Kazimierz BANASIK, Andrzej BYCZKOWSKI,
Leszek HEJDUK, Jacek GŁADECKI

ESTIMATION OF PROBABLE FLOOD FLOWS IN SMALL CATCHMENTS
WITH THE USE OF DIRECT (STATISTICAL) AND INDIRECT METHODS

Key words: hydrological characteristics, small watershed, T-year flood flows

Summary

Direct (statistical) and indirect methods have been applied for estimating T-year flood flows at the gauging station of a small lowland river Zagożdżonka located in Radom Plain ca. 100 km south of Warsaw. River flow data used for statistical analysis were collected by the Department of Water Engineering, Warsaw University of Life Sciences – SGGW since 1962. Comparison of the study results showed significant differences of T-year flood flows estimated with various methods. This confirms the need to continue the improvement of indirect methods for small catchments.