

- 930. Ram Babu and Dhruva Narayana, V.V. 1985.** Flood frequency analysis for small watersheds in Doon Valley. Proc. National Seminar on Estimation of Runoff for Surface and Sub-surface Drainage, New Delhi, Dec. 09-10, 1985: III RBD-1 to RBD-7.

Based on the 24 years maximum peak discharge data from 5 small watersheds of varying sizes (4.4 to 83.4 ha) under agriculture, forest and mixed land use in Doon Valley, peak discharge-frequency relationships for individual watershed and the generalised peak

discharge-area-frequency relationship was developed. Estimated peak discharge with various return periods obtained from generalised equations were compared with the results obtained from individual watershed equation and the log pearson's type III distribution. Comparative values showed that the generalized equation could be considered very satisfactory. A nomograph of the generalised equation was also developed for easiness in calculation.