

An Assessment of the Parameters Used in Snyder's Method to Derive Unit Hydrographs for Small Ungauged Watersheds

W.M.D.Wijesinghe and N.T.S.Wijesekera

Abstract

Snyder's Method was applied to the catchment of Welipenna Ganga, in order to study the variation of the results with the changes of the parameters used. Three values of C_p were considered for the study while C_t was calculated with an equation given in literature. An average slope considering the highest and the lowest points and a slope obtained considering segments along the main watercourse were used. The effect of using sub catchments was also taken into account. A considerable variation of final results was noticed with the selection of deferent alternatives.