

981. **Yadav, R.C., Bhushan, L.S. and Raghuvir. 1987.** Hydrology of deep ravine watershed. Abst. No. 49, National Symp. on "Land and Water Management in Ravines", CSWCRTI, Research Centre, Agra, March 19-22, 1987: 44.

Long-term rainfall runoff gauging (1963-71) of a 6.8 ha watershed (W1/A) in the deep ravines of river Yamuna at the south-east corner of Research Farm, Chhalesar, was carried out. The watershed was treated with earthen check dams and was under forest and grassland. Seasonal rainfall-runoff relationships with the year and with the antecedent moisture conditions are presented. Yearly variations in runoff are high. The runoff from the catchment are 4% of rainfall with dry moisture condition, 3% with medium wet bounditions and 16% with wet condition. Runoff prediction with USDA soil cover couples method did not reveal an acceptable result for this watershed.