

971. **Tyagi, N.K., Raghunath, B. and Lakshmanan, V. 1970.** Study of watershed characteristics affecting the hydrologic performance. *J. Soil and Water Conserv. India*, 18(1&2).

The paper describes the physiographic characteristics of two watersheds in Nilgiris region. Hydrologic performance of these watersheds has been compared. The watersheds show significant difference in runoff yield. The rainfall received by Kallarpallam is only 22% more than Kukkalhariahalla but the runoff exceeds by 83%. Due to the insignificant difference in climate variables, the marked variation in hydrologic performance can be attributed only to physiographic factors such as total watershed relief, stream slope and density of drainage.