

- 623. Bhushan, L.S., Tiwari, A.K. and Mishra, P.R. 1986.** Contour trenching-an effective measure to control erosion on sloping lands. Proc. Nat. Symp. "Problems of Arid and Semi-arid Regions and their Remedial Measures", Jodhpur, Feb. 08-09, 1986: 83-85.

To study the effectiveness of contour trenches in preventing erosion and gully head extension, a study was taken up at Chhalesar (Agra). There was a significant improvement in conservation of incident rainfall and reduction of surface flow. After imposition of treatment of contour trenches, the runoff as percentage of rainfall which ranged between 18.6 to 33.30% came down to practically zero. Consequently there was significant reduction in sediment loss from the catchment. Staggered contour trenches proved very effective in preventing extension of gullyhead and interception of runoff and sediment. Removal of treatment also shows that the watershed goes back to its pretreatment period and the menace of erosion again comes to play.