

732. Prakash, C., Rao, D.H. and Prajapati, M.C. 1987. Performance of gully control

structures in ravines at Kota. Abstract No. 44, National Symp. on "Land and Water Management in Ravines", CSWCRTI, Research Centre, Agra, March 1987, 22, 1987: 40.

The paper assesses the performance of semi-permanent and permanent gully control structures constructed in degraded lands at Kota and village Borthandi, after a period of twenty years. Marginal bunds (2.5 sq m C.S.) provided with the masonry drops at suitable locations performed well. The loose boulder check dams constructed at Kota of effective height 0.92 m at vertical interval 0.92 m, were found better for establishing gullies having small to medium size catchments (maximum upto 8 ha) as compared to the brush wood check dams. Drop spillways constructed at Kota were found to be over-designed to cope up with additional runoff expected from adjacent area. Three drop structures at Borkhand even though were found to be properly designed, two have failed, one due to change in direction of flow and the other due to lowering of side embankment by cattle trampling. The third structure was functioning satisfactorily.