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In order to control serious erosion from the catchment areas, CSWCRTI, Dehradun evaluated mechanical and vegetative measures. It is seen that mechanical measures reduced soil loss by over 90%. Initial observations show that vegetative measures hold promise. The catchment based studies further indicate by treating one-fourth of the catchment area with soil and water conservation structures (critical areas from erosion point of view), a 50% reduction in sediment production rate can be achieved. Major areas needing research in soil and water conservation have been identified.