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Morphometric Parameters of GV-103 Watershed, Godavari Basin, Nanded District, Maharashtra

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Abstract

The results of morphometric analysis for 8 mini-watersheds of GV-103 watershed are presented in this paper. The DEM data from BHUVAN and GIS technique proved to be accurate and efficient tool in drainage delineation and updating of GV-103 watershed as well as all the 8 mini-watersheds. The maximum 1st order streams are observed in dissected zones. The rock type of the study area is homogeneous and lower part of all mini-watersheds is flat region. The higher bifurcation ratio shows less structural control at some places. The amalgamation and synthesis of DEM in addition to the morphometric parameters clearly indicate appreciable groundwater prospects on eastern part of GV-103 watershed.

Keywords : Morphometric analysis, GV-103 Watershed, Godavari Basin, Nanded district, Maharashtra.