

QUANTITATIVE APPRISAL OF AREAL PARAMETERS IN MORPHOMETRIC STUDY OF MALATTAR RIVER BASIN

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ABSTRACT

The morphology of river channel is the function of number of geomorphic processes and its associated environmental conditions. The morphometric evaluation of drainage data provides a quantitative explanation of basin geometry and is used to reveal the geomorphic and geological history of each drainage basin. The present article makes an attempt to study the areal aspect of Malattar River Basin to derive the morphometric and hydrologic properties of the basin. The measurement of various areal morphometric parameters namely .stream frequency, drainage density, form factor, circulatory ratio, elongation ratio and constant of channel maintenance has been taken out and analyzed and are then compared with drainage basin geology and inferences have been derived.

KEYWORDS: Morphology, Geology, Drainage, Areal aspect, Parameters