

# Morphometric Analysis of Mangdechu River and Threat to Manas

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**Received:** 14-May-2022; Manuscript No: AASRFC-22-13451; **Editor assigned:** 16-May-2022; PreQC No: AASRFC-22-13451(PQ); **Reviewed:** 30-May-2022; QC No: AASRFC-22-13451; **Revised:** 10-October-2022; Manuscript No: AASRFC-22-13451 (R); **Published:** 17-October-2022; **DOI:** 10.36648/0976-8610.13.10.92

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**Citation:** Ghunawat M, Islamia JM, Dwivedi D (2022) Morphometric Analysis of Mangdechu River and Threat to Manas. Adv Appl Sci Res. 13:92.

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## Appendices

**Table 1:** Relief aspects of the river.

Relief aspects	Value
Basin relief	7081 m (7.081 km)
Relief ratio	0.06
Ruggedness number	6.03
Dissection index	0.97
Melton ruggedness index	0.82

**Table 2:** Areal aspects of the river.

Areal aspects	Value
Area	7401.09 sq kms

Drainage Density	0.85 km/sq km
Stream Frequency	.91 per sq km
Drainage Texture	Medium coarse
Length of Overland Flow	0.58 km
Constant of channel maintenance (Cc)	1.173
Basin configuration	Oval
Form Factor	0.45
Circulatory Ratio	0.4
Elongation Ratio	0.75
Shape Index	2.22

**Table 3:** Linear aspects of the river.

<b>Linear aspects</b>	<b>Value</b>
Stream order	7
Stream number	6753
Stream length	6310.84 Km
Mean stream length	.934 km
Stream length ratio	.89 km
Bifurcation ratio	15.07
Length of main channel	155.8 km
Basin length	128.8 km
Rho coefficient	0.059