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Land use change and erosion potential change in the Lower Myanmar

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In this study, geomorphologic features are analyzed of the Bago river located in the lower Myanmar. Recent rapid land use change of the Bago river basin, the authors tried to identify to get relationship between river basin morphometry and hydrological properties. In the view of prevention of severe flooding, we tried to prepare the flood equation considering the mitigation of flooding. Recently land cover and land use t after 1990 to the present, have been rapidly changed in the upper reaches of the Bago river basin because of logging and agriculture development. After determination of the amount of soil erosion and sediment production between 1990 and 2000, the authors got the negative impact derived by land degradation in the study area.

Keywords: Bago River, Myanmar, land use change