

Land form and 2011 flodd of the Shonai River Basin

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The Shonai River is typical urban river and the middle reach and lower reache of this river basin have been suffered by severe flood recently. The geomorphologic land classification map provided that the natural levee and delta in this area and land forms are showing the specific features of flooding direction and inundation period. the author tried to make clarify the land use change wit geomorphologic feature in this area related with 2011 flood. Comparing with land use and land form, flood vulnerability assessment was done in this river basin and asesment method using mesh map was proposed.

Keywords: the Shonai River, flood, geomorphology, land use