

Abstract

Developing the urban and housing regions in the rivers and subarns and plains is suppose to risk regardless paying attention to the hydraulid condition. Thus study the spate to making plans and using managment of this natural event is one of the most important problem in managing water resources. This study is aimed to survey the changes of grounds and their effect on hydraulics of waters in RIGAN (Kerman province) 7091 K.M. and using the hydrualic models such as HEC-HMS and also GIS. This study is aimed to using satalite pictures in 1370,1380,1390. To do this role at the first step we analysed this pictures and we calculated CN according to HEC-HMS. According to the results we increased inscrutable levels and destroying grounds of agricultures in this zones from 1370 to 1390 and from 65/28 to 70/25 increased and from 1370 to 29.3 and in 1390 to $\frac{3}{4}$ increased to 6 .m.m.

Key words: Change of land use, Peak, HEC-HMS Model, Rigan Catchment.



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**The Impact of land Use Change on the Hydrological of
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