

Aplicação do modelo HAND no mapeamento de áreas de inundação em bacia montanhosa na região Sul de Santa Catarina

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ABSTRACT – Floods disasters affect thousands of people every year and cause serious financial loss. The mapping of areas susceptible to flood is important as a preventive measure. The present work applied the HAND model for mapping flood areas in a mountainous basin (19,99 km²) in the southern region of the state of Santa Catarina, and evaluated the result from points surveyed in the field related to the flood occurrences in 2007 and 2009. The model generated flood areas that covered 67% of the registered points, and can be considered satisfactory in general, especially in the less steep areas of the basin.

Palavras-Chave – Inundação brusca; bacia hidrográfica montanhosa; modelo HAND.

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