

RESEARCH ON MINOR RIVERBED MORPHOLOGY IN THE PRESENCE OF ANTHROPOGENIC RISK FACTORS

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Abstract

The change in the morphological parameters of the minor bed takes place under the influence of natural and anthropogenic modelling factors. The minor river beds located in the urban areas are intensively affected by the presence of anthropogenic risk factors. The research carried out on the Bahlui River in the area of the city of Iasi highlighted important changes in the minor river bed determined by the regularization works carried out asymmetrically in the river bed. The presence of rainwater drains is an important anthropogenic factor of erosion of the minor bed. In this case, in the minor river bed, there is an important differentiation in the cross section between hydraulic parameters (maximum velocities, roughness, erosion force), a situation that leads to the intense erosion of the right bank.

Key words: degradations, erosion, form, riparian zone