

IMPACT OF HYDRAULIC INSTALLATIONS ON THE STREAMING : CASE OF THE MICRO EXPERIMENTAL BASINS OF BENI SLIMANE, Wilaya OF MEDEA

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Abstract:

Erosion is a whole of variable processes in time and space. The variation is done according to the ecological conditions and of the bad conditions of management of the ground by the man. This is why the antiérosive fight interests various actors whose interests are not inevitably compatible. Its effects are consequent, indeed, on the water resources by the reduction in the capacity of storage of the dams and the bad quality of water, on the one hand, and on the ground by the loss of its fertility, on the other hand.

In septentrional Algeria, this phenomenon is crucial, which pushed many researchers to deal with this problem: that it is in the aspect of quantification that in that of the anti-erosive fight. We tried to approach the phenomenon in these two aspects, while taking as zone of study micro experimental basins of Beni Slimane, in the catchment area of the Isser Wadi.

The intensity of hydrous erosion on this catchment area is explained by the prevalence of the marly grounds, the concentrated streamings and a quasi non-existent vegetable cover.

The impact of hydraulic installations on the streaming was shown on the micro experimental basins. It is accordingly that the objective of this work is registered, considering the importance that revêt the area compared to its drinking water supply of the capital, on the one hand, and with a flourishing agriculture, on the other hand.

Key words : Erosion ;streaming ; impact.