

Water projects impact on runoff: case of Béni Slimane experimental microbasins (Wilaya of Médéa)

This study provides the summary of water projects effects on Beni Slimane (Wilaya of Médéa) experimental microbasins. The work consists firstly, in quantifying the specific erosion in the experimental microbasins, secondly, in comparing the microbasins built for the purpose of determining the water projects impact, and finally, in giving recommendations to develop a catch basin.

The specific erosion calculated for each micro basin is far in excess of the admissible thresholds, confirming the hypothesis initially ventured that Higher Isser is vulnerable to water erosion because of the hydrological composition thereof.

The use of statistical techniques and the comparison between characteristics of the undeveloped micro basins and those developed, have enabled assessing the water projects impact on runoff.