

DEGRADATION OF WATER QUALTY IN CUIBUL VULTURILOR RESERVOIR AS EFFECT OF SOIL EROSION

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ABSTRACT

Potential surface water resources for Romania are appreciated by ANM Bucharest as follows: the rivers and inland lakes-39.6 milliard m³/year, the Danube river 53.3 milliard m³/year. From these resources, only, 11 milliard m³/year are from reservoirs.

For a period of 14 years, 1992-2006, the Research and Development Center for Soil Erosion Control, Perieni monitored the Cuibul Vulturilor reservoir in order to ensure a part of the water necessary for the population of Bârlad city.

Soil erosion has a great impact on this reservoir through the processes of sedimentation and degradation of the water quality. The degradation of the water quality is caused by the decrease of water depth and by the natural or artificial addition of fertilisers.