

HEAVY METALS AND PHOSPHORUS FORMS MOBILIZATION DURING THE RE-SUSPENSION OF BOTTOM SEDIMENTS OF THE PRUT RIVER

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Abstract: Bottom sediments of the river are repositories for various elements, acting both as sinks and sources of supplying of elements to overlying water horizon. Re-suspension of the bottom sediments of the Prut River was performed in field conditions by „aquarium” method. The results suggest that during the re-suspension, bottom sediments can become a relevant source of heavy metals and phosphorus forms which are mobilized in the water horizon overlying the bottom sediments.

Keywords: bottom sediments, re-suspension, the Prut River.