

FISHPONDS IN HRACHOLUSKY RESERVOIR DRAINAGE BASIN – RESULTS FROM SCREENING

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Series of 16 fishponds was monitored as a part of a drainage basin of Hracholusky reservoir, which is subject of a recovery project. All the fishponds were eutrophic – hypertrophic due to wastewaters from villages and little cities (including overflows from sewers) and/or due to too intensive production of “hunters ducks” – the phenomenon that is rarely mentioned. All the “duck ponds” were rich in phosphorus and cyanobacterial blooms. After rough calculations we estimated input of P by all the ducks raised in studied drainage area as 1,5–1,8 t per year. Despite during dry Summers nearly no water released the ponds supply of phosphorus in ponds water was considerable – in the end of the season over 1 ton. This P could be outflowed by rainwaters and reach the reservoir or is released during fish harvest. Generally, it was found that decrease of pollution input into the fishponds will be necessary and proper measures should be proposed and discussed. Then we will get very helpful component retaining nutrients in the watershed. Fundamental discussion concerning proper fishpond management is necessary to improve the situation.