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## **Study of benthic of Haraz river under the influence of rainbow trout farm**

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### **Abstract**

Recognition and review of sources of surface water is very important, specially about rivers and stream, in order to apply optimized management. About this research, sampling was performed seasonally by surber sampler with 3 replications in 4 stations farm before and after of fish breeding farm. In the laboratory, clustered bands were examined qualitatively and quantitatively in the genus or species. The results of the study showed the presence of 11 categories or macrobenthic orders belonging to 19 families. The most impact of was on the Ephemeroptera, Terichoptera and Plecoptera and has reduced population growth at the station 3 (outlet). On contrary, the population of the Chironomidae family, which is a kind of benthos invertebrates resistant to population, has increased in the output station. In the further research process and with the getting away from farm, resistant to population species was reduced.

**Keywords:** Pollution, Frequency, Benthose