

## ABSTRACT

This work deals with water quality in five Prague's biggest streams, which are Rokytká, Botič, Litovicko-Šárecký stream, Dalejský stream and Kunratický stream. Water quality can be evaluated on the basis of physico-chemical indicators or biological indicators. In my work I use only physico-chemical indicators to evaluate water quality.

In this work I focused mainly on water quality in Kunratický stream which is based on the results of regular monitoring of Lesy hl. m. Praha and also on the basis of my short-term analysis of water from the stream.

The main sources of pollution of Kunratický stream and other streams in Prague are agriculture in the upstream area (source of nitrogen and phosphorus compounds), wastewater (source of organic matter, nitrogen and phosphorus compounds) and rainwater (source of heavy metals and chlorides). It is evident from the results that these resources have an impact on water quality in streams of Prague. Among the worst indicators of water quality in the Kunratický stream there is mainly aggregate phosphorus, COD and BOD<sub>5</sub> and it is similar in other Prague's streams. Prague streams are significantly burdened with heavy metals.