

MONITORIZAREA UNOR PARAMETRI FIZICO-CHIMICI PENTRU APELE DE SUPRAFAȚĂ ALE UNOR EMISARI DIN BAZINUL DORNELOR

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Abstract

The objective of this study was to establish the quality of surface water from streams that cross the Dorna's Basin, following some defining physico-chemical indicators. In order to conduct this study, 10 sampling stations were established over four streams, the study taking place for two years, 2017 and 2018, between the months of May and October. The samples were analyzed in the laboratory using specific methods for each indicator monitored - temperature, pH, oxidizable substances, conductivity, dissolved oxygen, alkalinity, hardness, anions and cations. The results obtained varied depending on the sampling site, weather phenomena, as well as the geological structure of the mountain ranges from which the streams -that were under study- spring. The conclusions of this study demonstrate that the targeted streams have physico-chemical properties that are close to the standards imposed for natural mineral waters, the main geological resource for the Dorna's Basin, discovered and used for over 300 years. Thus, the anthropic activity represented mainly by animal husbandry, mostly in an extensive-ecological system, does not have a negative effect on the quality of watercourses in the area.

Key words: calitate ape de suprafață, parametri fizico-chimici, bazinul Dornelor
