MONITORING AQUATIC ENVIRONMENT OF A MOUNTAIN CATCHMENT IN THE SUDETEN WITH THE USE OF AUTOMATIC HYDROLOGICAL-METEOROLOGICAL STATION

Key words: environmental monitoring, hydrological-meteorological studies, mountain catchment in the Sudeten

Summary

Operation of devices and apparatuses constituting an automatic hydrological-meteorological station in partial catchment of the Nysa Kłodzka and preliminary results of monitoring water cycles and catchment use are presented in the paper. The station installed in the catchment of the Boguszyński Brook is equipped with measuring devices, electronic sensors and recorder for fast and precise collection of data. Obtained results allowed to present a possibility of environmental monitoring of hydrological, meteorological, hydrochemical parameters and of land use in the catchment. Preliminary results confirmed important role of automatic stations in hydrological-meteorological studies and in environmental monitoring which might supplement the activity of state services.

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