

A STUDY OF THE ORIGIN OF WATER OF ST. NAUM'S
SPRINGS, LAKE OHRID

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Abstract

In order to determine the origin of water of St. Naum's springs, Lake Ohrid, measurement of concentration of isotopes ^3H , ^2H and ^{18}O in precipitation, several spring waters and surface accumulations from the Ohrid-Prespa region was made.

Taking into account our results and the hydrogeological characteristics of the investigated region, a model for water supply of the St. Naum's springs was made. The model for water supply is based on the assumption that a water reservoir exists under Galičica mountain (mostly karstified) which is recharged from Lake Prespa (this lake is located about 100 m above the St. Naum's springs). The precipitations over Galičica and Suva Gora mountains, and the discharge of St. Naum's springs complete the developed model.

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