

WATER GEOCHEMISTRY AND FORMATION CONDITIONS OF THE VERKHNE-YURYEVA THERMAL SPRINGS, PARAMUSHIR ISLAND

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The article presents new data on macro and micro component composition of thermal waters, which discharge in the basin of the Yuryeva River, Paramushir Island, the Northern Kuriles. The authors revealed chemical variations and physical characteristics of waters from the Verkhne-Yuryeva springs, which were registered over the period 1957-2010. The authors suggested preliminary estimations for the geochemical activity of the springs according to their condition in 2010 and studied thermal water formation conditions.

Keywords: Yuryeva River, Paramushir Island, hydrogeochemistry, thermal water, Kurile Islands.