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Research of dependence of a saury fishery from interannual variability of oceanologic conditions in Southern Kuril region on satellite data

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The analysis of hydrological conditions in Southern Kuril Region for August-November, 2002-2012 within an exclusive economic zone Russia is carried out on the satellite and facsimile data. The primary goal of the presented work is revealing of features of hydrological conditions in Southern Kuril Region in a saury fishery in years with high and low catch values and efficiency of a fishery. As investigated hydrological characteristics of a season were taken distance of the center of a South Kuril anticyclone from Shikotan Island and type of oceanologic conditions of the area, defined by position of Northern subarctic front. By results of the analysis, three basic groups of years are allocated: In years with distant position of a South Kuril eddy and cold type of oceanologic conditions, the saury fishery was on a low level (August-November 2002, 2003 and 2009). In years with close position of eddy and warm type of conditions, the saury fishery was on high level (August-November 2004, 2005, 2007 and 2008). In years with close position of eddy, normal and cold type of oceanologic conditions, the saury fishery was on an average level (August-November 2006, 2011 and 2012). The basic features of hydrological conditions for each group of years were defined.

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