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The selection of methods for streamflow forecasting is considered, taking into account factors that limit the lead time and accuracy of forecasts, consumer requirements, and the results of applying these methods for specific water bodies. Methods that allow their mass implementation in an automated mode are recommended as the most effective. Examples of successful implementation of these recommendations in streamflow forecasting in Russia based on the methods developed at the Hydrometcentre of Russia are shown. The proposed recommendations are aimed to increase the scientific validity and efficiency of implementing operational decisions on the use of water resources and protection from dangerous hydrological events.

Keywords: Streamflow, forecasts, methods, lead time, accuracy, comparison, factors, economic efficiency, mass implementation, automated mode, selection, recommendations

Tab. 8. Ref. 60.