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**Thermohaline structure and water circulation in the Faeroe-Shetland Channel in summer 1988**

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**Abstract**

An analysis of thermohaline structure of water masses in the region of the Faeroe Islands and the Shetland Islands has been carried out using the results of vertical STD soundings conducted in July 1988. The flows and magnitude of geostrophic heat and water transport in the channel between these islands have been evaluated by the classic dynamic method (Zubov and Mamayev, 1956). The system of Atlantic water circulation in the region of studies is discussed, as well as its relations with water exchange between the Atlantic Ocean and the Norwegian Sea.