Investigation of contourites in the south-western maritime area of the Faroe Islands

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Contourites are essential for understanding the modern bottom current processes and , palaeoceanography. Using the software, Petrel, all public availabe offshore 2D reflection seismic data has been used to find and map contourites in the southwestern maritime area of the Faroe Islands. Six types of recent contourite drifts have been found in the study area, of which elongated mounded drifts are the most common. Maps are shown that illustrate the location of the contourites. The bottom current pattern has been found passing, among others, the Faroe Bank Channel, the Faroe Bank, the Faroe Bank Channel Knoll, the Wyville Thomson Ridge, the Ymir Ridge, the Sigmundur Seamount, the Bill Bailey Bank, the Lousy Bank and the Johannes Rasmussen Trough. Additionally, future studies would benefit from an improvement in the categorization of contourites.

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