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CIRCULATION CHARACTERISTICS OF THE

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L. I. IVANOV
*Marine
Sevastopol
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Abstract: Hydrographic data are used to infer sub-basin architecture and circulation in the Black Sea. A northward boundary current system is observed along the coastal side of the shelf region. The interior has an elongated low potential energy core, which is spatially coherent and persistent over time. In the previous September, a strong onshore-offshore circulation was observed in the shelf region, the fresh water inflow from the Dniestr Rivers gave rise to a seasonal thermocline. The strong onshore-offshore circulation in the interior and northward inflow can be traced back to the Black Sea. The anoxic interface was found deeper than 1500 m.