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## CIRCULATION CHARACTERISTICS OF THE

TEMELE  
*Middle  
Science*  
L. I. IVANOV  
*Marine  
Sevastopol  
SÜKRÜ  
*Middle  
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**Abstract:** Hydrographic data are used to infer sub-basin architecture and circulation in the Black Sea. A northward flowing boundary current system is observed along the coastal side of the shelf. The interior has an elongated low pressure cell which is spatially coherent and persistent. Data from the previous September show that in the shelf region, the fresh water inflow from the Dniestr Rivers gives rise to a seasonal thermocline. A strong onshore-offshore circulation is observed in the interior and northward flow. The inflow can be traced to the interior. The anoxic interface is observed at depths deeper than 1500 m.