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## **MINERALOGY OF CLASTIC DEPOSITS OF SEASIDE AREA IN ZAPORIZHZHIA REGION**

The samples to investigate were taken during the field work in Zaporizhzhia region in the period from June 29, 2015 to July 26, 2015. Bottom and coastal quaternary river sediments have become the objects of our investigation in such vast areas. In Zaporizhzhia Region, the river of Obitchna and the Azov Sea provided the samples including the ones from the conservation area.

When traveling to the city of Prymorsk, three observation points have been selected and five samples have been obtained, of which five grey sands have been washed. The grey sands were used to make ten polished thin sections or slides held together with magnetic and electromagnetic fractions. Sampling was carried out by a point method.

The future research has required the literature analysis and preparation of samples selected. In the course of mineral-graphical and mineralogical studies, the grey sand samples of electromagnetic and magnetic fractions have examined. As a result, mineralogical composition has been determined. To define the mineralogical composition a binocular microscope MBS-9 and the microscope “Vertyal” have been used for microscopic research of grey sands samples with polished thin sections.

The main task of our research is to study the ore components of gray sands and monitor certain common patterns in the minerals under study. The research is important as it aims at determining the mineral composition and characteristics of mineral individuals. Of particular note is ilmenite, which is available in the deposits of industrial conditioning. Ilmenite is a basic raw material for titanium production this fact making our research even more important and promising.