O24.2. ANALYSIS OF LONG-TERM DYNAMICS OF THE ANAPA BAY-BAR WATER EDGE

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To determine the long-term dynamics of the Anapa bay-bar we analyzed aerial photographs 1941-1944, satellite images of 1960-80s and from 2003 to the present. In the analysis of the long-term variations in the water edge one has to take into account the configuration of the shoreline at the moment of survey and local short-term dynamics. The average value of the water edge displacement over 47 years was 23 m in the direction to the coast. There are areas of severe erosion on the northern and southern parts. The central part of the bay-bar can be called relatively stable. Regions of comparable erosion and accumulation alternate here. The obtained data clarified and gave a more detailed estimate of the evolution of the coastline dynamics of the Anapa bay-bar.