

Instrumental seismic observations in the zones of large reservoirs in Uzbekistan

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Abstract The article presents the results of the assessments of the current state of instrumental seismic observations in reservoirs used in seismically active regions of Uzbekistan. The assessment of the current state of continuous instrumental seismological observations was made at the Charvak, Andijan, Gissarak and Tupolang reservoirs used in seismically active regions of Uzbekistan. The estimates of the state of instrumental observations at large reservoirs in Eastern and Southern Uzbekistan are summarized. The results of expeditionary research are presented, as well as the possibilities for improving existing systems. The results obtained are of a practical nature, in which the directions for improving the existing stationary seismometric system in large reservoirs are determined. The results can also be used to provide and create permanent seismic monitoring systems in reservoirs.

Keywords Improvement, reservoirs, seismometry, dam, seismic stations, frequencies, fluctuation spectrum, speed.

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