

STATE OF THE CHEMICAL MUNITIONS DUMPSITE IN THE LITHUANIAN ECONOMIC ZONE

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Abstract

Part of the chemical munitions dumpsite in the Gotland Basin lies within the Lithuanian economic zone. Using data obtained from the cruises to the chemical munitions dumpsite in the frame of CHEMSEA (Chemical Munitions Search & Assessment) project, the assessment of the potential hazard of chemical munitions at the dumpsite of the Lithuanian economic zone was made. Sampling stations at the dumpsite were chosen near I class objects according to sonar data obtained from scanning the seafloor. Sampling stations were also planned according to the results of previous research of the dumpsite in 2003. Sediment and water samples were taken during the cruise of *R/V Vėjųnas* in 2013. Hydrological, hydrochemical and biological parameters were investigated. Arsenic concentrations in sediments as an indicator of contamination by chemical warfare agents were assessed.