P81. OIL POLLUTION OF THE SOUTHEASTERN BALTIC SEA SURFACE AND POSSIBLE DIRECTIONS OF ITS PROPAGATION

Alexander Krek$^{1,2,3}$, Elena Bulycheva$^{2,3}$, Andrey Kostianoy$^{1,2,3}$

$^1$Immanuel Kant Baltic Federal University, $^2$Atlantic Branch of P.P. Shirshov Institute of Oceanology, $^3$Russian Academy of Sciences.

alexander.krek@gmail.com

Ships, seeps from the seabed, municipal and industrial waste waters, and the atmosphere are the main sources of sea water contamination with oil and oil products. During the satellite monitoring of the Kravtsovskoe oilfield (D-6) (2004-2015) the area west of Sambia Peninsula and anchorage in front of entrance to Kaliningrad Sea Canal were localized as the most polluted area of the Southeastern Baltic Sea. Oil spill drift forecast from these areas with a help of Seatrack Web model (SMHI, HELCOM) has shown that the average annual direction of oil pollution drift is directed to the North-East. In some cases, leakage of oil or oil products from ships west of Sambia Peninsula could be a reason of oil contamination of beaches of the “Curonian Spit” National Park.