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## Analysis of the influence of storms on massive marine litter wash-outs to the shore of the Sambian Peninsula

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The problem of contamination of the shore of the Sambian Peninsula with marine anthropogenic litter is pressing and requires detailed study since it has a detrimental effect on the touristic and recreational activity of the region. Observations show that the most volumetric marine litter wash-outs to the beach take place after certain storms and are associated with abundant spots of biota (primarily branched *Furcellaria lumbricalis*). Such spots contain litter of anthropogenic origin, such as glass, paper, etc., along with macro and micro plastics. In this paper, meteorological and hydrophysical data were collected and analyzed in order to determine the most significant factors causing the wash-outs of anthropogenic marine litter to the shore of Sambian Peninsula. Both in-situ observations and reanalysis datasets were used for the analysis. It was revealed that the wash-out to the shore occurs during the storm subsiding phase, and the determining factors are significant wave height, wind speed and current velocity during the preceding storm.

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