P20. DEFLATION PROCESSES ON THE SEA SHORE OF THE CURONIAN SPIT

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Coastal foredune relief of the Curonian Spit is characterized by several blowouts. Basically, blowouts is on sea slop and top of the foredune. Sand moves under the influence of the wind from sea slope and top of the foredune to the area behind foredune. More than 200 blowouts are on the foredune of the Curonian Spit. Such an amount of the blowouts arises by reason of intensive deflation processes. The anthropogenic impact (trampling of the grass on foredune surface) promotes to the development of the deflation processes. Intensity of the deflations processes (for example of the development of blowouts) has determined by satellite images (for period from 2002 to 2014 years), results of laser scanning realized in the year 2007 y. and field observations using GIS methods. Evaluation of variability of volume and area blowouts, the volume of transported sandy material depending on the action of natural and anthropogenic factors is the result of this work.