

Meteorological and climatic conditions of dynamics of the Anmangynda icing size

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Abstract The Anmangynda icing is located in the central part of the Magadan region, in the headwaters of the Kolyma River. The maximum length of the icing reaches 7 km, its average thickness is about 2 m and the maximum thickness reaches 8 m. Observations of the icing regime were organized in 1962, and continued with short interruptions until 1992. A well-expressed statistically significant trend has been found in long-term dynamics of the maximum size of the icing. It has been shown that the maximum annual volume of the icing decreased by half during the 30-year period as a result of changes of climatic characteristics.

Key words icing; northeastern Russia; climate change