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Birds of yakutia: Fauna diversity, ecology, role in ecosystems and human life

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Abstract

The modern fauna of birds in Yakutia consists of 318 species (19 orders): 270 (16) breeding species, including 43 (6) sedentary - nomadic, and 48 (10) vagrants. Over the past 60 years avifauna of the region increased by 68 new species: breeding - 38 (including 27 - first discovered, 3 - not previously recorded marine species, and 4 - first considered as sub-species, 4 - previously considered vagrants), and vagrants - 37. Changes in the bird fauna of the region and in the distribution and abundance of birds, are defined by the absence of significant zoogeographical obstacles and availability for representatives of various fauna, conservation of natural habitats and the presence of man-made, and possibly, global warming, led to the spread of expansive and tolerate to anthropogenic landscapes species. In recent years, the trends to range expansion and number increasing are particularly noticeable for some gulls, and for the swans in Kolyma River basin.

However, there is evidence of the human activities negative impact on the environment and on the birds themselves, particularly related to spring hunt and poaching. Nevertheless, most of Yakutia is preserved in its original condition and most of the changes in the fauna and bird population are determined by the natural course of events. Since the beginning of ornithological research in Yakutia (middle XIX-es) fauna of birds has not lost a species, in despite of the recent overall decline in waterfowl number.

Biography

Maria Vladimirtseva has completed her PhD in 2011 from North-East Federal University and postdoctoral studies from Institute for Biological Problem of Cryolithozone under Siberian Department of Russian Academy for Sciences. She is ornithologist-researcher in Laboratory of Mount and Subarctic System of this Institute. She has published 50 papers.