

Avifauna of lake systems in Syr Darya river delta (Cartma lake)

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Abstract

© 2016, International Journal of Pharmacy and Technology. All rights reserved. The results of avifauna study in Cartma lake, as the part of the restored ornithocomplex of Aral Sea region. Cartma lake makes the part of the left bank lake system of Syrdarya river delta, which was the bay of the Aral Sea until 1967. Due to the catastrophic fall of the water level in Syr Darya River and the subsequent separation of Aral Sea into small pieces, Cartma lake ceased to perform the function of direct communication between the Aral Sea and the river Syrdarya. The positive process which takes place during the past decade and associated with the water-bearing role of Syrdarya for the maintaining of coastal ecosystems contributes to the restoration of the Aral Sea region unique objects. In 2012 the lake systems of Syrdarya delta are included in the list of wetlands of global significance lands protected by the international Ramsar Convention. The studies were conducted to examine the avifauna of Cartma lake. The task was to determine the status of bird species existence in the area of coastal strip recovery. The classification of aquatic and semi-aquatic habitats of the lake Cartma is proposed. The lake is characterized by a relatively small set of birds and low population density of waterbirds. Wetland birds are the dominants according to habitat density. Three species listed in the Red Book of the Republic of Kazakhstan were noted. The delta of Syr Darya and Northern Aral Sea is used as a stopping point for migrating birds, taking into account the geographical location of a region combining the wintering periods in South Asia and Africa with Siberia. The details are new ones for an object under study.

Keywords

Avifauna, Delta lakes, Lake Cartma lake, The Aral Sea, The Syr Darya River, Wetlands