

Changes in hydrological regime and morphology of river deltas in the Russian Arctic

DMITRY MAGRITSKY, VADIM MIKHAILOV, VLADISLAV KOROTAEV & DMITRY BABICH

Moscow State University, Faculty of Geography, PO Box 119991, Leninskie gory, GSP-1, Moscow, Russian Federation
magdima@yandex.ru

Abstract This paper provides information on the current regime and morphological processes in the river deltas of the Northern Dvina, Pechora, Ob, Pur, Taz, Yenisey, Olenek, Lena, Yana, Indigirka and Kolyma, and their possible changes in the 21st century. This article contains data on morphological type, structure and size of the major deltas, about the current state and changes of the main river (water and sediment river runoff) and marine factors of delta formation processes.

Key words river delta; water and sediment runoff; hydrological regime; morphological processes