Hydrological support for navigation on Yamalo-Nenets waterways of Arctic development
reference zone / G. Gladkov, V. Katolikov // River transport (XXI st century). 2020. – № 1
(93). – p. 35-38.
Describes the question about hydrological support for navigation on Yamalo-Nenets
waterways of Arctic development reference zone. Substantiates the necessity of expansion and
modernization of state observation net and reactivation of regular studies concerning
hydromorphological regime of Ob’s basin northern navigable rivers.
Keywords: Arctic zone, hydrological regime, channel processes, shipping, dredging.
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The results of using geoinformation technologies in research of shipping parameters on
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Shows the results of using geoinformation technologies in research of shipping
parameters on Eastern sector of Northern sea route.
Key words: Northern sea route, seas in Eastern sector, distribution of ships, quantitative
characteristics, geoinformation technologies.
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Describes the concept of combined goal-oriented system for automatic control of ship’s
power plant elements.
Key words: digital technology, system for automatic control, ship’s power plant.
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Analytical expressions of dependences of vessels’ freeboard size (except tankers and
platform vessels) according Russian River Register’ rules / Bimberekov P. // River
Analyses approximate analytical expressions of freeboard value self-propelled and non-
self-propelled vessels (except bulk and platform vessels) by using Russian River Register’
tabular data. Raises discussion question about reasonability of correction these dependences.
Key words: self-propelled and non-self-propelled vessels, freeboard, approximate
dependence.
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About development of lower Belaya’s riverbed and problem of improving its navigation
conditions / K. Berkovich, L. Zlotina, N. Mikhailova, L. Turykin // River transport (XXI st
Identifies both natural and man-induced reasons of decreasing navigational conditions on
river lower Belaya. Shows the results of field studies and detailed analysis of riverbed’s
morphology and dynamics. Substantiates possibility of increasing shipping depth and required
dredging volumes.
Key words: river lower Belaya, shipping, riverbed’s morphology, dredging.
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filigorod@list.ru

Makes analysis of river Amur’s problem area state. Gives recommendations for stabilizing riverbed and providing navigable conditions on it.

Key words: river Amur, channel processes, shipping, track works.

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Describes the features of hydrological regime of river Angara.

Key words: hydrological regime, river Angara.

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