

**ANNOTATIONS**  
**of science works published in international magazine**  
**River transport (XXI<sup>st</sup> century)» 1(93)'2020**

**Hydrological support for navigation on Yamalo-Nenets waterways of Arctic development reference zone / G. Gladkov, V. Katolikov // River transport (XXI s 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 Eastern sector of Northern sea route / Olkhovik E., Isaulova K., Tezikov A. // River transport (XXI st century). 2019. – № 1 (93). – p. 40-43.**

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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**About digital technologies on the fleet / Solovyev A. // River transport (XXI st century). 2019. – № 1 (93). – p. 43-44.**

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 transport (XXI st century). 2020. – № 1 (93). – p. 44-48.**

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.

**Keywords:** 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. Mikhaylova, L. Turykin // River transport (XXI st century). 2020. – № 1 (93). – p. 48-52.**

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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**The features of riverbed stabilization and provision of navigable conditions on the Amur river / T. Mikhaylova, T. Pilipenko // River transport (XXI st century). 2020. – №1 (93). – p. 52-53.**

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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**The features of hydrological regime of river Angara / T. Pilipenko, A. Samshorina // River transport (XXI st century). 2020. – № 1 (93). – p. 54-56.**

Describes the features of hydrological regime of river Angara.

**Key words:** hydrological regime, river Angara.

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