

METHODOLOGICAL APPROACH TO DETERMINATION OF BOUNDARIES FOR THE ZONES WITH SPECIAL WATER REGIME: SUBSTANTIATION AND TECHNOLOGICAL REALIZATION SCHEME

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The article analyses land management works in relation to the zones with the special conditions of land use on the example of the zones with special water regime, which include underflooding and flooding zones, water protection zones and sanitary protection zones of subsurface sources of drinking water from the moment of their determination in stated order to present time. The article considers the main documents, regulating the procedure of determining zones with special conditions of territorial use, and also related difficulties and problems, brought about by the imperfect modern legislation. The article analyses the norms of boundary determination accuracy of such zones and states the factors necessary for their accounting. For solving the listed questions and on the basis of performed research it is suggested to use complex geoinformational analysis of the territory.

Objective: the article is devoted to the development of methodological approach in determination of boundaries for the zones with special water regime, including key aspects, providing the sequences of carrying out technological operations.

Methods: theoretical analysis, generalization, synthesis, comparison, grouping and other analytical methods.

Results: substantiated the necessity of scientific approach to the determination of boundaries for special water regime zones with the use of single geoinformational database, containing graphical and semantical information about engineering-geological, hydrogeological and hydrological conditions of the territorial entity.

Key words: Unified State Real Estate Register, water protection zone, underflooding zone, flooding zone, sanitary protection zone, zones with special conditions of territorial use, boundary register, accuracy of boundary determination, technological scheme.

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