

Original article

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On the Question of the Influence of Forest Fires on the Ecosystem of Lake Baikal: Analytical Review

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Abstract. The article presents data on the forest-pyrological situation in the Baikal natural territory, reflects the patterns of the influence of forest fires on the dynamics and condition of forests. Based on the generalization of the results of published scientific research and our own expert calculations, an assessment of atmospheric air pollution over the Baikal water area by products of burning forest and related negative effects, changes in the hydrological and hydrochemical regime of the lake ecosystem, and the state of hydrobionts was carried out. Gorenje The results of the analyzed scientific sources do not provide sufficient grounds to consider the forest-pyrogenic factor as the main cause of the observed negative changes in the state of the lake's aquatic ecosystem. In order to strengthen the evidence base for assessing the impact of forest fires on it, further special experimental studies in this direction are required.

Key words: Lake Baikal, Baikal natural territory, protective forests, forest fires, air pollution, hydrological regime of the lake, hydrochemical indicators, hydrological communities.

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