

exactly the same as the old one and spruce forests, adjacent to breeding for domesticity. If the number of bark beetle outbreak is in development, sanitary cuttings in the places of mass reproduction of bark beetle must be continuous and seize adjacent to homes drying strips of old spruce forest width of up to several tens of meters [16].

World of animals preserved only in some areas. You can meet a Hare, Wolf, Fox, deer, noble common elk, chamois, wild boar Europe. The forests still living deer, borsuk, beaver. Ornithofauna now has 170 species. From them there are woodpeckers, Ruffed grouse, bullfinch, thrush, nightingales, crak, grey herons, white Storks, ducks (Mallard), gulls, and inhabited ogari. Many can be attributed to crows, sparrows, Magpies, pigeons. There are fish in water: Ruff, carp, bream, Roach, Chinese sleeper, perch, burbot, perch, pike. Inhabits 6 reptile species, 11 amphibian species, numerous species of insects.

To preserve the diversity of flora and fauna formed PA system "Zavidovo State complex" with the status of a National Park, monument of Federal significance "Lake of Kyiv", regional nature reserves and nature monuments. Such plots, which have the status of protection, must be combined with natural territories, with fields, meadows with restrictions on economic activity [16].

References

1. Belaya N.I., Dubinin E.P., Ushakov S.A. Geological structure of the Moscow region. Geological practices. M.: MGU Publishing House, 2001.
2. Belyaev N.G. Analysis of the forest cover structure of the southwestern part of the Klin-Dmitrov ridge based on the landscape approach. News of the Samara Scientific Center of the Russian Academy of Sciences, 2012, №1-6. Pp. 1434-1437.
3. Vagner, B. B., Manucharyants, B.O. Geology, relief and minerals of the Moscow region. The manual for the course "Geography and Ecology of the Moscow Region. M. MGPU, 2003, 92s.
4. Vagner B.B.Reki and lakes near Moscow. M.: Veche. 2006
5. Vagner B.B., Dmitriev V.T. Lakes and reservoirs of the Moscow region. "Geography and Ecology of the Moscow Region. Moscow: MGPU, 2006, 76s.
6. Vasilyeva I.V. The boundary of the Moscow glaciation and its landscape value // Herald Mosk.un-ta. Geography Series, 1961, No. 3, pp. 62-66.

7. Volkov S.N., Samodurov A.I. Features of the recreational potential of forest biogeocoenoses of the Klin-Dmitrov ridge // Bulletin of RUDN. Series: Agriculture and Livestock 2012, №5, pp.62-65.
8. Ivanenko B.I. Forest vegetation zoning of the Moscow region. Sat forestry work. Issue 45 M. VNIILM, 1962, P.48-53.
9. Kurmaev S.F. Fractional vegetative zoning of the nonchernozem center / S.F.Kurmaev. M.: Science, 1982, -118s.
10. Melekhov I.S. Essay on the development of forest science in Russia: a monograph. 2nd edition repr. / I.S.Melikhov, M.: MGUL, 2004, 209p.
11. Mironov V.V. Ecology of coniferous species with artificial reforestation / V.V. M.: Forestry, 1977, 232s.
12. Myachkova NA, Sorokina VN. Climate of the Moscow Region. M.: Publishing House of Moscow State University, 1991.
13. Nikitin F.A., Nikitin V.F. The history of development, current state and ways to increase the productivity of forests of the Klin-Dmitrov ridge. Forest Herald. 2005.№65, p.107-113.
14. Ogureeva G.N., Buldakova E.V. A variety of forests of the Klin-Dmitrov ridge due to the landscape structure of the territory. Forest Studies. 2006. No. 1, pp. 58-69.
15. Forest care regulations. Approved by order of the Ministry of Natural Resources of Russia dated July 16, 2007, for №185, 67s.
16. The nature of the Moscow region: the loss of the last two decades / M.L. Karpachevsky, A.Yu. Yaroshenko, Yu.E. Zenkevich, D.U.Aksenov, A.V. Egnov, I.V. Zhuravleva, N.V. Rogova, O.M. Tikhomirova, T.A. Antonov, I.N. Kurakina, A.F. Komarov. M.: Publishing House of the Center for the Conservation of Wildlife. 2009.- 92s.
17. Smirnova E.D. Rivers and lakes of the Moscow region. M.: Moscow Worker, 1958, 96s.
18. Sukachev V.N. other. Fundamentals of forest biogeocenology. M.: Science, 1964, 204s.
19. Spiridonov A.I. The main features of the morphostructure of the Russian Plain. Geography, 1974, 1974, vol.10, S.95-115.

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