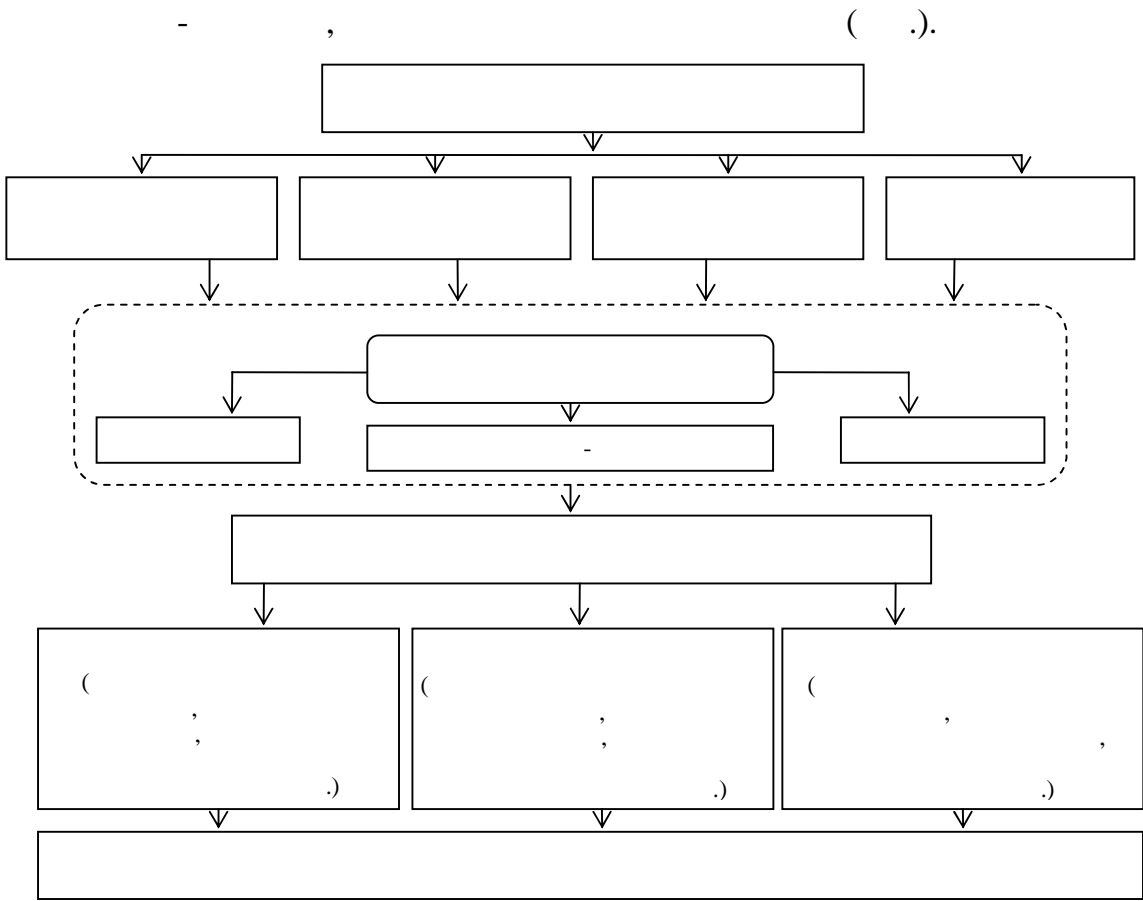


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The nature, origin, components and characteristic of level of water conservation in industrial production are determined. Promising ways of secure conservation of water resources industrial enterprises, tackling the negative impact of industrial activities on water objects and the rational use and protection of water resources are formed.

Key words: water conservation, industrial production, industrial water use, water capacity, industrial wastewater, water protection policy.





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The amount of phytomass and deposited carbon in forests of the Carpathian NNP and their contribution to the carbon budget of the region have been defined. Adapted and implemented methodology for calculating biproductivity of tree stands by components of phytomass and depositing carbon was to find out their multifactorial dependencies on mensurational characteristics of stands, which are specified in the State forest inventory data. As the depending variable in modeling the dynamics of phytomass components of stands conversion factor was used (ratio of the mass of phytomass fraction to volume of trunk over bark).

Key words: phytomass, deposited carbon, biproductivity, stock, tree stand.

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