

STRUCTURAL ORGANIZATION OF ECOSYSTEMS
AND PATTERNS OF THEIR DISTRIBUTION

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DISTRIBUTION OF SOME INVASIVE PLANT SPECIES
IN THE TERRITORY OF THE TALDOMSKIY URBAN DISTRICT, MOSCOW REGION

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Invasive plants can cause serious damage to agriculture and human health, transform natural communities and replace native species. Therefore, studying their distribution is very important. In 2022, we investigated the distribution of 6 invasive plant species, such as Sosnovsky's hogweed (*Heracleum sosnowskyi* Manden.), giant goldenrod (*Solidago gigantea* Ait.), Canadian goldenrod (*S. canadensis* L.), box elder (*Acer negundo* L.), Himalayan balsam (*Impatiens glandulifera* Royle) and wild cucumber (*Echinocystis lobata* (Michx.) Torr. et Gray), in the Taldomskiy Urban District, Moscow Region, Russia. Currently, Sosnovsky's hogweed, goldenrods and wild cucumber have widely spread throughout the district and penetrated into its natural communities, therefore making it extremely difficult and sometimes even impossible to control their populations. Box elder is in its mid-invasion stage and has not yet penetrated communities as significantly as other plants, which means it can still be stopped. Himalayan balsam is in its early stages of invasion and can still be stopped relatively easily.

Keywords: botanical mapping, invasive plant species, Taldomskiy Urban District.

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