

INCREASING OF AWARENESS AND PROPAGATION OF THE FUNCTIONS OF FORESTS IN LANDSCAPE AND NATURE-CLOSE WATER COURSES IN URBAN AREAS AS A PART OF ECOSYSTEM SERVICES OF RIVER BASIN

“METHODICAL PROCEDURE OF EVALUATION OF RECREATION EFFECT OF RIVER COURSE LANDSCAPING IN URBAN AND ADJACENT SUBURBAN AREAS”

Landscaping of river courses in urban and adjacent suburban areas are closely related to the flood protection, preservation and increase of biodiversity, architecture activity and also support of recreation.

Within the project “Increasing of awareness and propagation of the functions of forests in landscape and nature-close water courses in urban areas as a part of ecosystem services of river basin” a newly created methodical procedure “Evaluation of recreation effect of landscaping of water courses in urban and adjacent suburban areas” (Lampartová, 2015) was used, which was applied in 30 towns within all 14 regions of the Czech Republic.

The methodical procedure itself is based on the evaluation of six indicators, their criteria and elements from three areas (water course landscaping - revitalization, recreation, landscape). These three areas are evaluated in relation to the suitability of landscape for recreation and recreation activities.

The results of the evaluation of methodical procedure may serve for the concept of prevention, supporting measures or measures leading to preservation of recreation potential in the given area.

Suitability of landscapes for recreation and recreation activities

Tourism – walking, cycling/in-line skating, skiing, horse riding



Water recreation – bathing, wading, sunbathing/relax



Water tourism – canoe/raft, motor boats



Sport fishing – trout/non-trout waters



Observation/photography – water birds, animals, near-bank and bank vegetation



Landscaping of water courses (technical, biotechnological and biological parameters)

River basin and river course

- Geomorphology of river course
- Constructions in river basin
- River basin width
- Height of water column



Flow, hydrological regime and visual evaluation of water quality

- Character of flow
- Artificial interference of hydrological regime
- Visual evaluation of water quality



River bed

- River bed structure
- Prevailing river bed substrate
- River bed orderliness



Bank and flooding area

- Orderliness of bank and flooding area
- Presence of vegetation
- Significant presence of water birds and animals
- Prevailing use of alluvial plain



Recreation

Presence of social facilities and area accessibility

- Presence of service facilities
- Presence of furniture
- Area accessibility



Landscape

Presence of landscape elements

- Presence of a natural element
- Presence of a historical, architectonic, cultural element
- Presence of an aesthetic element

