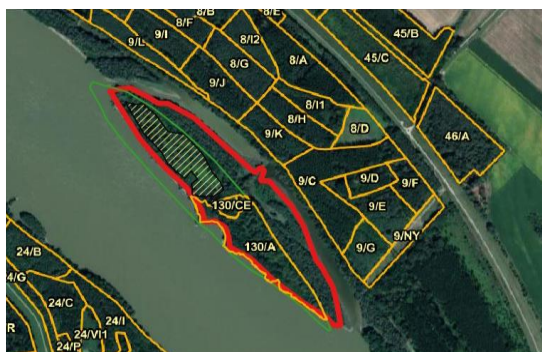


Factsheet A.4.7: Debrina-sziget (Hungary, HU014)

Location: on the left side of river Danube, at the river kilometer 1435

Responsible Partner: Duna-Dráva National Park Directorate (DDNPD)

Background: The size of Debrina island is actually 21.7 hectares, from which – regarding to the official land registry - 18 hectares are managed by DDNPD. Because the natural erosion permanently forms the island, the terrestrial habitat now is a bit smaller, app. 15 hectares. The aim of the action is controlling invasive alien species on the whole extent of the island, covering 15 hectares. Furthermore we intend to improve natural forested habitats by imitating natural rejuvenation processes on 4.5 hectares (from which only 0.49 hectares is registered as a forest unit Kölked 130/CE). First, to launch these activities the actual forestry plan has to be modified.



Objectives:

- The invasive alien herbaceous species will be controlled on the whole island, focusing on mechanical methods but in case of most infected places utilisation of herbicides could be necessary. The utilisation of herbicides will be done extremely carefully to avoid contamination of water or soil. During the project the controlling activities will be realised at least two times.
- On 4.5 hectares the habitat types 91E0 and 91F0 will be developed by imitation of natural rejuvenation processes. Within this activity we will create open, mineral soil surface than large amount of seeds will be scattered and seedlings will be planted using different methods. The used species will be *Quercus robur*, *Fraxinus angustifolia pannonica*, *Ulmus laevis*, *Populus alba*, *P. nigra*.
- To protect the young trees against deers and wild boars a protective fence will be erected around the rejuvenation area.
- To reach the project area safely, the stone dyke-leading to the island will be partially renovated by creating a smooth surface which is proper for light machinery, also.