

Research report, 2016

Effects of conservation measures on beetle species in the „Conservation of dry grasslands in Central Hungary” Life+ Nature project (LIFE NAT/HU/001028)

Compiled by Ottó Merkl

Locality data of beetles were collected in nine target areas managed by the the Danube–Ipoly National Park Directorate. The vegetation types of the areas are Pannonian grassland on loess, sand or limestone, awaiting for habitat restoration. Emphasis was made on priority species, i.e. protected species, species of community interest and species strictly associated with the grassland types of the target areas. A total of 492 records were collected. The following protected species were found.

Target area	Natura 2000 site	Protected species
Tétényi-fennsík	Érd-tétényi plató (HUDI20017)	<i>Blaps abbreviata</i> , <i>Carinatodorcadion fulvum</i> , <i>Chlorophorus hungaricus</i> , <i>Cicindela campestris</i> , <i>Cortodera villosa</i> , <i>Hymenalia morio</i> , <i>Musaria argus</i> , <i>Protaetia ungarica</i> , <i>Theophilea subcylindricollis</i> , <i>Tituboea macropus</i>
Budaörsi kopárok	Budaörsi kopárok (HUDI20010)	<i>Chlorophorus hungaricus</i> , <i>Cortodera villosa</i> , <i>Musaria argus</i> , <i>Theophilea subcylindricollis</i> , <i>Tituboea macropus</i>
Debegió-hegy	Debegió-hegy (HUDI20014)	<i>Cicindela campestris</i> , <i>Cicindela soluta</i> , <i>Purpuricenus budensis</i> , <i>Tituboea macropus</i>
Fóti Somlyó	Gödöllői-dombság peremhegyei (HUDI20040)	<i>Aegosoma scabricorne</i> , <i>Carabus coriaceus</i> , <i>Cicindela campestris</i> , <i>Cucujus cinnaberinus</i> , <i>Meloe cicatricosus</i> , <i>Meloe rugosus</i> , <i>Meloe scabriusculus</i> , <i>Meloe variegatus</i> , <i>Musaria argus</i> ,
Tápiósági Földvár	Alsó-Tápió és patak völgyek (HUDI20050)	<i>Cicindela campestris</i> , <i>Meloe cicatricosus</i> , <i>Theophilea subcylindricollis</i>
Szentmártonkáta	Felső-Tápió (HUDI20019)	<i>Cicindela hybrida</i> , <i>Cicindela soluta</i> , <i>Pedestredorcadion decipiens</i>
Domonyvölgy–Báranyjárás	Gödöllői-dombság (HUDI20023)	<i>Meloe cicatricosus</i> , <i>Theophilea subcylindricollis</i>
Küdői-hegy	Gödöllői-dombság (HUDI20023)	<i>Copris lunaris</i> , <i>Theophilea subcylindricollis</i> , <i>Tituboea macropus</i>
Gyermely-Máriaalom	Epöli szarmata vonulat (HUDI20016)	<i>Calamobius filum</i> , <i>Carinatodorcadion fulvum</i> , <i>Chlorophorus hungaricus</i> , <i>Cicindela campestris</i> , <i>Lethrus apterus</i> , <i>Meloe rugosus</i> , <i>Meloe scabriusculus</i> , <i>Pilemia hirsutula</i> , <i>Theophilea subcylindricollis</i>

Investigations monitoring the ground-dwelling beetle fauna of eight target areas were also accomplished, with the use of non-baited pitfall traps (filled with ethylene glycol), in two two-week periods. All beetle species were identified. A total of **537** records were collected. The following priority species were found.

Target area	Natura 2000 site	No. of records	Priority species
Tétényi-fennsík	Érd-tétényi plató (HUDI20017)	53	<i>Blaps abbreviata</i> , <i>Carinatodorcadion fulvum</i>

Target area	Natura 2000 site	No. of records	Priority species
Budaörsi kopárok	Budaörsi kopárok (HUDI20010)	71	<i>Gnaptor spinimanus</i>
Debegió-hegy	Debegió-hegy (HUDI20014)	42	(no priority species was found)
Tápiósági Földvár	Alsó-Tápió és patak völgyek (HUDI20050)	153	<i>Carabus coriaceus</i>
Szentmártonkáta	Felső-Tápió (HUDI20019)	5	<i>Chrysomela collaris</i> , <i>Pedestredorcadion decipiens</i>
Domonyvölgy–Bárányjárás	Gödöllői-dombság (HUDI20023)	64	<i>Sisyphus schaefferi</i>
Küdői-hegy	Gödöllői-dombság (HUDI20023)	43	(no priority species was found)
Gyermely-Máriaalom	Epöli szarmata vonulat (HUDI20016)	86	<i>Blaps abbreviata</i> , <i>Carinatodorcadion fulvum</i> , <i>Gnaptor spinimanus</i> , <i>Lethrus apterus</i> , <i>Onthophagus semicornis</i> , <i>Sisyphus schaefferi</i>