

AQUATIC MACROINVERTABRATE FAUNA OF THE KIS-SÁRRÉT NATURE PROTECTION AREA WITH FIRST RECORDS OF FIVE SPECIES FROM HUNGARY

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A KIS-SÁRRÉT VÍZI MAKROGERINCTELEN FAUNÁJA ÖT FAJ ELSŐ MAGYARORSZÁGI ELŐFORDULÁSÁVAL

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ABSTRACT: The Kis-Sárrét is one of the most diversified and most precious protected areas of the Körös–Maros National Park, but so far, our knowledge about its aquatic macroinvertebrate fauna was far from exhaustive, and only 163 species have been known. In this study, our aim was to explore the aquatic macroinvertebrate fauna in detail and to compile the annotated checklist of aquatic macroinvertebrates of the area. Thorough faunistic samplings were made in three consecutive years (2012–2014) in three seasons (spring, summer and autumn) in each year at a total of 151 sampling points. Altogether 33 892 individuals belonging to 441 species (17 Hirudinoidea, 36 Mollusca, 5 Crustacea, 1 Araneae, 10 Ephemeroptera, 30 Odonata, 36 Heteroptera, 142 Coleoptera, 22 Trichoptera, 2 Megaloptera, 140 Diptera: Chironomidae and Culicidae) were identified. The relatively high numbers of species were impressive in themselves, but the composition was much more surprising. Nearly a quarter of the species (110 of 441, 24.9%) could be highlighted in various aspects. Five species were found in Hungary for the first time (*Enochrus* cf. *nigritus*, *Berosus hispanicus*, *Chironomus parathummi*, *Ch. piger*, *Tanytarsus lactescens*), nine species are protected or IUCN red listed (*Hirudo verbana*, *Niphargus hrabei*, *N. valachicus*, *Argyroneta aquatica*, *Aeschna isosceles*, *Libellula fulva*, *Leucorrhinia pectoralis*, *Notonecta lutea*, *Aquarius najas*), further 94 species are rare or extremely rare in Hungary (e.g. *Pisidium obtusale*, *Sphaerium nucleus*, *S. rivicola*, *Proasellus pribenicensis*, *Batracobdelloides moogi*, *Erythromma lindenii*, *Mesovelgia thermalis*, *Anisops sardeus*, *Haliplus fulvicollis*, *Hydroporus scalesianus*, *Laccornis kocae*, *Agabus melanarius*, *Ilybius subtilis*, *Graphoderus zonatus*, *Helophorus arvernicus*, *Enochrus ater*, *E. fuscipennis*, *Laccobius syriacus*, *Hydrochara dichroma*, *Ochthebius lividipennis*, *Tricholeiochiton fagesii*, *Orthocladus excavatus*, *Polypedilum arundineti*, etc.), or their occurrences in a lowland area are surprising (e.g. hilly or mountainous species, such as *Gyrinus colymbus*, *Laccobius striatulus*, *Anacaena lutescens*, *Glyptotaelius pellucidus*, *Micropterna nycterobia*). Regarding many groups of macroinvertebrates, the number of curiosities is immensely remarkable predicting the high natural value of the area. The faunal composition is an interesting mixture of typical marshland species, acidophil bog-dwelling elements and characteristic species of unique slow-flowing, densely vegetated lowland streams.

Key words: faunistics, new records, rare species, Natura 2000

KIVONAT: A Kis-Sárrét egyike a Körös–Maros Nemzeti Park legváltozatosabb és legértékesebb védett területeinek. Ennek ellenére vízi makrogerinctelen faunája kevésbé ismert, és eddig csak 163 faj itteni előfordulását jelezték. Vizsgálatunk célja a Kis-Sárrét makrogerinctelen faunájának feltárása és egy annotált fajjegyzék összeállítása volt. Három egymást követő évben (2012–2014), évente három alkalommal (tavasz, nyár, ősz) széleskörű faunisztikai gyűjtéseket végeztünk összesen 151 mintavételi helyen. Összesen 441 faj (17 Hirudinoidea, 36 Mollusca, 5 Crustacea, 1 Araneae, 10 Ephemeroptera, 30 Odonata, 36 Heteroptera, 142 Coleoptera, 22 Trichoptera, 2 Megaloptera, 140 Diptera: Chironomidae és Culicidae) 33 892 egyedét azonosítottuk. A magas fajszám önmagában is figyelemre méltó, de a fajösszetétel még meglepőbb. A fajok közel negyede (110 faj a 441-ből, 24,9%) kiemelhető faunisztikai és/vagy természetvédelmi szempontból. Öt faj (*Enochrus* cf. *nigritus*, *Berosus hispanicus*, *Chironomus parathummi*, *Ch. piger*, *Tanytarsus lactescens*) első alkalommal került elő hazánk területéről. Kilenc faj védett Magyarországon vagy szerepel az IUCN Vörös Listáján (*Hirudo verbana*, *Niphargus hrabei*, *N. valachicus*, *Argyroneta aquatica*, *Aeschna isosceles*, *Libellula fulva*, *Leucorrhinia pectoralis*, *Notonecta lutea*, *Aquarius najas*). További 94 faj ritka vagy nagyon ritka hazánkban (pl. *Pisidium obtusale*, *Sphaerium nucleus*, *S.*

rivicola, *Proasellus pribenicensis*, *Batracobdelloides moogi*, *Erythromma lindenii*, *Mesovelia thermalis*, *Anisops sardeus*, *Haliplus fulvicollis*, *Hydroporus scalesianus*, *Laccornis kocae*, *Agabus melanarius*, *Ilybius subtilis*, *Graphoderus zonatus*, *Helophorus arvernicus*, *Enochrus ater*, *E. fuscipennis*, *Laccobius syriacus*, *Hydrochara dichroma*, *Ochthebius lividipennis*, *Tricholeiochiton fagesii*, *Orthocladus excavatus*, *Polypedilum arundineti*, stb.), vagy alföldi előfordulásuk meglepőnek tekinthető (domb- és hegyvidéki fajok, mint pl. *Gyrinus colymbus*, *Laccobius striatulus*, *Anacaena lutescens*, *Glyptotendipes pellucidus*, *Micropterna nycterobia*). Több makrogerinctelen csoport esetében a kiemelhető fajok száma kifejezetten magas, ami jól jelzi a terület magas természeti értékét. Összességében a fajösszetételre a tipikus mocsári fajok, az acidofil lápi fajok és az unikális alföldi erek jellegzetes fajainak érdekes keveredése jellemző.

Kulcsszavak: faunisztika, új adatok, ritka fajok, Natura 2000

Introduction

The Kis-Sárrét is one of the most diversified and most precious protected areas of the Körös–Maros National Park, located near to the Hungarian-Romanian border. In the old times the Kis-Sárrét was regularly flooded by the water of the Körös River forming a huge marshland which was disappeared due to the canalization activities of 1860's. By now, only some wetland patches and small watercourses recall the earlier times: the Ugrai-rét and the Sző-rét are the last two remainders of the marshlands of Sárrét. Nearby natural watercourses, for example Korhány (and its dead arm), Toprongyos and Holt-Sebes-Körös, also show something of bygone times.

So far, occurrence data of 163 species were become known from the Kis-Sárrét Nature Protection Area (NPA), mainly from the Sző-rét and Ugrai-rét marshes, based on 20 publications (see list of species and new records). Our aim was to explore the aquatic macroinvertebrate fauna of Kis-Sárrét NPA in detail by thorough faunistical sampling all remarkable marshes and watercourses of the area, and to compile the annotated checklist of aquatic invertebrates of the Kis-Sárrét.

Material and methods

Aquatic macroinvertebrates were collected at 151 sampling points scattered throughout the area of the Kis-Sárrét NPA in three consecutive years (2012-2014), in three seasons (spring, summer and autumn) every year. In each year samplings were focused on different part of the NPA, including NATURA 2000 sites [Korhány watercourse system (HUKM20023), Köles-ér (HUKM20022), Holt-Sebes-Körös (HUKM20018)], Ramsar sites (Ugrai-rét and Sző-rét) and other valuable areas (Toprongyos, Vátyon-mocsár and Kivágási-legelő). Not all points were sampled in all seasons because of the highly fluctuating water level and drought of temporary waterbodies. Sampling sites, their main characteristics and dates of samplings are listed in Table 1; geographical positions of the sites are shown in Fig. 1.

The majority of the specimens were captured by sweeping with long handled pond-nets just above the substrate, on water surface, and among the submerged or emergent vegetation. Besides netting some macroinvertebrates were also captured by manual singling from surface of submerged items (stones, woodstocks, etc.).

Chironomid pupal exuviae were collected from the water surface and from the accumulated floating debris using a pond-net and a small tray. In the case of specimens, which could be identified on field (e.g. dragonfly adults, leeches, large body sized beetles) observational data also were taken into consideration. All samples were presorted in the field; selected individuals were preserved in 70% ethyl-alcohol.

The aquatic macroinvertebrates were identified on the basis of the following keys and descriptions: NEUBERT and NESEMAN (1999) for Hirudinea, RICHNOVSZKY and PINTÉR (1979), SOÓS (1957), GLÖER and MEIER-BROOK (1998) for Mollusca, BORZA (2012) and KONTSCHÁN (2001) for Crustacea, EISELER (2005) for Ephemeroptera; ASKEW (2004), DIJKSTRA (2006) and GERKEN and STERNBERG (1999) for Odonata, BENEDEK (1969), BROOKS (1951) JANSSON (1986), SAVAGE (1989), SOÓS (1963) for Heteroptera; ANGUS (1992), CSABAI (2000), CSABAI et al. (2002), HEBAUER (1989), JÄCH (1998), JÄCH and DELGADO (2008) KLAUSNITZER (2009), OLMÍ (1976) for Coleoptera; WARINGER and GRAF (2011) for Trichoptera; KAISER (1977) for Megaloptera; CRANSTON (1982), HIRVENOJA (1973), JANECEK (1998), KLINK and MOLLER PILLOT (2003), LANGTON and VISSER (2003), OYEWO and SÆTHER (2008), SÆTHER et al. (2000), VALLENDUUK (1999, 2002), VALLENDUUK and MOLLER PILLOT (2007), WIEDERHOLM (1983) for Chironomidae and TÓTH (2007) for Culicidae. The nomenclature follows ÁBRAHÁM and KOVÁCS (1999), BAUERNFEIND and SOLDÁN (2012), BODA and SOÓS (2010), BORZA (2012), CSABAI (2011), DIJKSTRA (2006), FALKNER et al., (2001), NÓGRÁDI and UHERKOVICH (2002), SÆTHER and SPIES (2013), TÓTH (2004), TÓTH and KENYERES (2012).

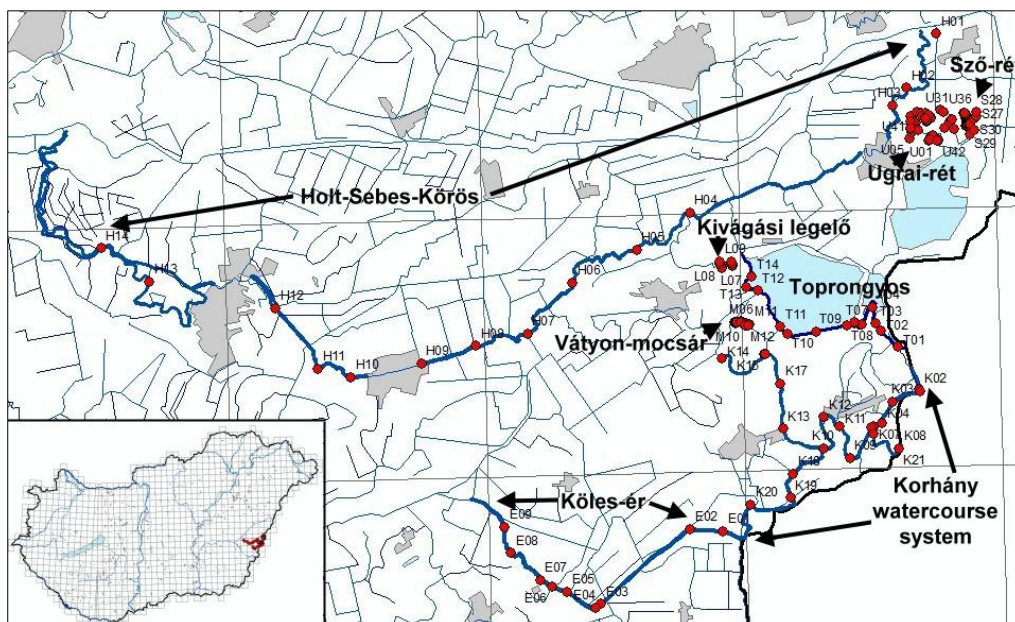


Table 1. List of sampling points in the Kis-Sárrét NPA with codes, names (administrative units), short descriptions, UTM codes, geo-coordinates and sampling dates. Names of the sites were left in the original Hungarian form, being more identifiable. UTM: 10×10 km Universal Transverse Mercator grid codes. EO V X and Y: geo-coordinates given using Hungarian Unified National Projection Grid system, Sp: spring, Su: summer, Au: autumn, -: no data (not sampled), D: dried up. The dates of collection are listed according to the Hungarian order (MM.DD). Superscript codes of collectors attached to dates: **1:** BE-BP-BR-CsZ-DT-FA-MA-MP; **2:** BE-BP-CsZ-DT-FA-MA; **3:** BE-CsZ-FA-MA; **4:** BP; **5:** BP-BR-CsZ-DT-FA-MA-MP; **6:** BP-BR-CsZ-FA-MA-MP; **7:** BP-BR-MP; **8:** BP-CsZ; **9:** BP-CsZ-DT-FA-MA; **10:** BP-CsZ-DT-MA; **11:** BP-CsZ-FA-MA; **12:** BP-CsZ-MA; **13:** BP-CsZ-DT-KZ-MA; **14:** BP-DT; **15:** BR-CsZ-FA-MA-MP; **16:** CsZ-DT-FA-MA; **17:** CsZ-FA-MA; **18:** DT-FA-MA; **19:** FA-MA; **20:** MA. – Abbreviations for names of collectors: BE – Endre Bajka; BP – Pál Boda; BR – Réka Boda; CsZ – Zoltán Csabai; DT – Tibor Danyik; FA – Anna Farkas; KZ – Zoltán Kálmán; MA – Arnold Móra; MP – Péter Mauchart.

Code	Name and short description	UTM	EO V X	EO V Y	Year	Sp (a)	Su (b)	Au (c)
E01	Köles-ér 01 (Mezőgyán): slow-flowing, modified lowland stream with dense emergent and submerged vegetation	ES 38	837906	169193	2014	04.16 ¹¹	06.23 ¹¹	09.09 ⁹
E02	Köles-ér 02 (Mezőgyán): as E01	ES 38	836641	169277	2014	04.16 ¹¹	06.23 ¹¹	09.09 ¹¹
E03	Köles-ér 03 (Sarkadkeresztúr): as E01	ES 38	833169	166365	2014	04.16 ¹¹	06.24 ¹¹	09.09 ¹¹
E04	Köles-ér 04 (Sarkadkeresztúr): as E01	ES 38	832966	166221	2014	04.16 ¹¹	-	-
E05	Köles-ér 05 (Sarkadkeresztúr): as E01	ES 38	831845	166823	2014	04.16 ¹¹	06.24 ¹¹	09.09 ¹¹
E06	Köles-ér 06 (Sarkadkeresztúr): as E01	ES 38	831283	167017	2014	04.16 ¹¹	06.24 ¹¹	09.09 ¹¹
E07	Köles-ér 07 (Sarkadkeresztúr): as E01	ES 38	830811	167298	2014	04.16 ¹¹	06.24 ¹¹	09.09 ¹¹
E08	Köles-ér 08 (Sarkadkeresztúr): slow-flowing, strongly modified channel section with scarce vegetation	ES 38	829679	168331	2014	-	06.24 ¹¹	09.09 ¹¹
E09	Köles-ér 09 (Sarkadkeresztúr): as E08	ES 38	829427	169336	2014	-	06.24 ¹¹	09.09 ¹¹
H01	Holt-Sebes-Körös 01 (Körösnagyharsány): artificial channel section with concrete bed	ET 40	846184	188480	2014	04.17 ¹⁶	06.23 ¹¹	09.10 ¹¹
H02	Holt-Sebes-Körös 02 (Biharugra): very shallow, artificial temporary channel section with deep sediment	ET 40	845037	186376	2014	-	06.23 ¹¹	09.10 ¹¹
H03	Holt-Sebes-Körös 03 (Biharugra): artificial temporary channel section with dense emergent vegetation	ET 40	844519	185707	2014	04.17 ¹⁶	06.23 ¹¹	D
H04	Holt-Sebes-Körös 04 (Zsadány): fast-flowing, modified lowland stream section	ET 30	836619	181536	2014	04.17 ¹⁶	06.23 ¹¹	09.10 ¹¹
H05	Holt-Sebes-Körös 05 (Zsadány): as H04	ES 39	834555	180090	2014	-	06.25 ¹⁷	09.10 ¹¹
H06	Holt-Sebes-Körös 06 (Zsadány): slow-flowing, modified lowland stream section with scarce emergent vegetation along the shore	ES 39	832077	178825	2014	04.17 ¹⁶	06.25 ¹⁷	09.10 ¹¹

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
H07	Holt-Sebes-Körös 07 (Okány): slow-flowing, modified lowland stream section with scarce emergent and submerged vegetation	ES 39	830308	176840	2014	04.17 ¹⁶	06.25 ¹⁷	09.09 ¹¹
H08	Holt-Sebes-Körös 08 (Okány): slow-flowing, modified lowland stream section, with emergent and submerged vegetation	ES 29	828302	176370	2014	04.17 ¹⁶	06.25 ¹⁷	09.09 ¹¹
H09	Holt-Sebes-Körös 09 (Okány): slow-flowing, strongly modified channel section, with scarce emergent and submerged vegetation	ES 29	826200	175687	2014	04.17 ¹⁶	06.24 ¹¹	09.09 ¹¹
H10	Holt-Sebes-Körös 10 (Okány): slow-flowing, strongly modified channel section, with emergent and submerged vegetation	ES 29	823450	175153	2014	04.17 ¹⁶	06.24 ¹¹	09.10 ¹¹
H11	Holt-Sebes-Körös 11 (Okány): strongly modified channel section at a lock, with emergent and submerged vegetation	ES 29	822163	175474	2014	04.17 ¹⁶	06.24 ¹¹	09.10 ¹¹
H12	Holt-Sebes-Körös 12 (Vésztő): slow-flowing, modified channel section with dense emergent and submerged vegetation	ES 29	820515	177835	2014	04.17 ¹⁶	06.25 ⁹	09.09 ¹¹
H13	Holt-Sebes-Körös 13 (Vésztő): strongly modified and widened, pond-like channel section with standing water and dense emergent vegetation	ES 19	815627	178864	2014	-	06.25 ⁹	09.09 ¹¹
H14	Holt-Sebes-Körös 14 (Vésztő): slow-flowing, strongly modified channel section with shallow flooded area and dense emergent vegetation along the shore	ES 19	813751	180165	2014	-	06.25 ⁹	09.09 ¹¹
K01	Ináncs-csatorna A (Geszt): slow-flowing modified channel section with dense emergent vegetation along the shore and dense floating vegetation (<i>Lemna</i>)	ES 49	845540	174711	2013	-	07.22 ¹	10.17 ⁵
K02	Ináncs-csatorna B (Geszt): slow-flowing modified channel section with dense emergent vegetation	ES 49	845556	174617	2013	04.05 ²	07.22 ¹	10.17 ⁵
K03	Ináncs-csatorna C (Geszt): as K02	ES 49	844507	174213	2013	04.05 ²	07.22 ¹	10.17 ⁵
K04	Ináncs-csatorna D (Geszt): slow-flowing modified channel section with dense emergent and submerged vegetation	ES 49	844082	173366	2013	-	07.22 ¹	10.17 ⁵
K05	Ináncs-csatorna, torkolat (Geszt): as K02	ES 49	843753	173237	2013	04.05 ²	07.22 ¹	10.17 ⁵
K06	Korhány, Ináncs-csatorna torkolata alatt (Geszt): fast-flowing lowland stream section with emergent vegetation along the shore	ES 49	843689	173208	2013	04.05 ²	07.22 ¹	10.17 ⁵
K07	Korhány A (Geszt): slow-flowing, widened lowland stream section with emergent and submerged vegetation	ES 49	843769	172957	2013	-	07.22 ¹	10.17 ⁵

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
K08	Korhány B (Geszt): fast-flowing lowland stream section with emergent vegetation along the shore	ES 49	844746	172394	2013	-	07.22 ¹	10.17 ⁵
K09	Korhány C (Geszt): as K08	ES 49	842834	172019	2013	-	07.22 ¹	10.17 ⁵
K10	Korhány, Holt-Korhány torkolata (Geszt): as K08	ES 49	841805	172407	2013	-	07.22 ¹	10.17 ⁵
K11	Korhány D (Geszt): slow-flowing lowland stream section with dense emergent vegetation	ES 49	842459	173250	2013	-	07.22 ¹	10.17 ⁵
K12	Korhány, belterület (Geszt): slow-flowing, modified lowland stream section with scarce vegetation	ES 49	841836	173616	2013	04.05 ²	07.22 ¹	10.17 ⁵
K13	Holt-Korhány (Mezőgyán): strongly modified channel section with dense emergent and floating vegetation	ES 49	840235	173158	2013	04.05 ²	07.22 ¹	10.17 ⁵
K14	Holt-Korhány, Szépapó (Geszt): strongly modified channel section without vegetation, under forest canopy	ES 39	837873	175908	2013	04.05 ²	07.22 ¹	-
K15	Holt-Korhány A (Geszt) slow-flowing lowland stream section with no vegetation, and with a flooded, well-vegetated area along the stream-bed, under forest canopy	ES 49	839534	176051	2013	04.05 ²	07.23 ¹	10.18 ⁵
K16	Holt-Korhány B (Geszt): slow-flowing, modified lowland stream section with emergent vegetation, under forest canopy	ES 49	839544	176061	2013	-	07.23 ¹	10.18 ⁵
K17	Holt-Korhány C (Geszt): slow-flowing, modified lowland stream section with dense emergent vegetation	ES 49	840145	174918	2013	-	07.23 ¹	-
K18	Korhány A (Mezőgyán): fast-flowing lowland stream section with emergent vegetation along the shore	ES 48	840642	171413	2013	-	07.23 ¹	10.18 ⁵
K19	Korhány B (Mezőgyán): as K18	ES 48	840535	170495	2013	-	07.23 ¹	10.18 ⁵
K20	Korhány C (Mezőgyán): slow-flowing lowland stream section with dense emergent and submerged vegetation	ES 48	838993	170211	2013	-	07.23 ¹	10.18 ⁵
K21	Tocsogó (Geszt): puddles along K08	ES 49	844735	172390	2013	-	07.22 ¹	D
L01	Kivágási-legelő 01 (Zsadány): temporarily flooded area with dense vegetation (sedge)	ES 39	838292	179457	2014	04.15 ⁹	D	D
L02	Kivágási-legelő 02 (Zsadány): as L01	ES 39	838286	179568	2014	04.15 ⁹	D	D
L03	Kivágási-legelő 03 (Zsadány): as L01	ES 39	838246	179622	2014	04.15 ⁹	D	D
L04	Kivágási-legelő 04 (Zsadány): as L01	ES 39	837918	179493	2014	04.16 ¹¹	D	D

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
L05	Kivágási-legelő 05 (Zsadány): marshy area with dense vegetation (sedge, saltmarsh bulrush)	ES 39	837904	179466	2014	04.16 ¹¹	06.23 ¹¹	D
L06	Kivágási-legelő 06 (Zsadány): as L05	ES 39	837882	179432	2014	04.16 ¹¹	06.23 ⁸	D
L07	Kivágási-legelő 07 (Zsadány): as L05	ES 39	837856	179373	2014	04.16 ¹¹	06.23 ⁸	D
L08	Kivágási-legelő 08 (Zsadány): ditch with scarce emergent vegetation	ES 39	837798	179538	2014	04.16 ¹¹	06.23 ¹⁹	09.09 ⁸
L09	Kivágási-legelő 09 (Zsadány): ditch with dense emergent and submerged vegetation	ES 39	837796	179652	2014	04.16 ¹¹	06.23 ¹⁹	09.09 ¹⁹
M01	Vátyon-mocsár 01 (Geszt): small temporary pond within a large sedge stand	ES 39	838371	177310	2014	04.14 ¹¹	D	D
M02	Vátyon-mocsár 02 (Geszt): as M01	ES 39	838386	177288	2014	04.14 ¹¹	D	D
M03	Vátyon-mocsár 03 (Geszt): as M01	ES 39	838419	177240	2014	04.14 ²⁰	D	D
M04	Vátyon-mocsár 04 (Geszt): shallow ditch	ES 39	838419	177296	2014	04.14 ¹¹	06.23 ¹¹	D
M05	Vátyon-mocsár 05 (Geszt): as M01	ES 39	838456	177282	2014	04.14 ¹¹	D	D
M06	Vátyon-mocsár 06 (Geszt): marshy area with dense vegetation (sedge, bulrush, saltmarsh bulrush)	ES 39	838610	177321	2014	04.14 ¹¹	D	D
M07	Vátyon-mocsár 07 (Geszt): as M06	ES 39	838617	177283	2014	04.14 ¹¹	06.23 ¹¹	D
M08	Vátyon-mocsár 08 (Geszt): as M06	ES 49	838815	177251	2014	04.14 ¹¹	06.23 ¹¹	D
M09	Vátyon-mocsár 09 (Geszt): open water area	ES 49	838832	177184	2014	04.14 ¹¹	D	D
M10	Vátyon-mocsár 10 (Geszt): as M09	ES 49	838783	177157	2014	-	06.23 ¹¹	D
M11	Vátyon-mocsár 11 (Geszt): edge of a bulrush stand	ES 49	838936	177215	2014	04.14 ¹¹	06.23 ¹¹	D
M12	Vátyon-mocsár 12 (Geszt): as M09	ES 49	838913	177183	2014	-	06.23 ¹¹	D
S01	Sző-rét 01 tömpöly (Biharugra): small temporary pond with dense emergent vegetation	ET 40	847334	184904	2013	04.04 ²	07.23 ⁶	D
S02	Sző-rét 02 (Biharugra): temporarily flooded meadow	ET 40	847367	184925	2013	04.04 ²	D	D
S03	Sző-rét 03 (Biharugra): as S02	ET 40	847420	184950	2013	-	07.23 ⁶	D
S04	Sző-rét 04 (Biharugra): temporarily flooded area at the edge of a sedge stands	ET 40	847376	184995	2013	04.04 ²	D	D
S05	Sző-rét 05 (Biharugra): shallow channel	ET 40	847455	184988	2013	04.04 ²	07.23 ⁶	10.16 ⁷

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
S06	Sző-rét 06 (Biharugra): marshy area with dense vegetation (bulrush, sedge)	ET 40	847461	184993	2013	04.04 ²	07.23 ⁶	D
S07	Sző-rét 07 (Biharugra): shallow channel	ET 40	847452	185042	2013	-	07.25 ¹⁵	10.16 ⁷
S08	Sző-rét 08 (Körösnyagharsány): marshy area with dense vegetation (sedge)	ET 40	847402	185073	2013	04.04 ²	D	D
S09	Sző-rét 09 (Körösnyagharsány): shallow channel	ET 40	847446	185096	2013	-	07.25 ¹⁵	D
S10	Sző-rét 10 (Körösnyagharsány): edge of marshy vegetation	ET 40	847443	185152	2013	04.04 ²	07.25 ¹⁵	10.16 ⁶
S11	Sző-rét 11 (Körösnyagharsány): open water area	ET 40	847483	185148	2013	04.04 ²	D	D
S12	Sző-rét 12 (Körösnyagharsány): edge of marshy vegetation	ET 40	847527	185140	2013	04.04 ²	D	D
S13	Sző-rét 13 (Körösnyagharsány): open water area	ET 40	847451	185176	2013	-	07.25 ¹⁵	10.16 ¹⁷
S14	Sző-rét 14 (Körösnyagharsány): shallow channel	ET 40	847406	185139	2013	-	07.25 ¹⁵	10.16 ¹⁷
S15	Sző-rét 15 (Körösnyagharsány): shallow channel	ET 40	847344	185209	2013	-	07.25 ¹⁵	10.16 ¹⁷
S16	Sző-rét 16 (Körösnyagharsány): edge of marshy vegetation	ET 40	847325	185245	2013	-	07.25 ¹⁵	10.16 ¹⁷
S17	Sző-rét 17 (Körösnyagharsány): open water area	ET 40	847333	185267	2013	-	07.25 ¹⁵	10.16 ¹⁷
S18	Sző-rét 18 (Körösnyagharsány): shallow channel	ET 40	847328	185321	2013	-	07.25 ¹⁵	10.16 ¹⁷
S19	Sző-rét 19 (Körösnyagharsány): edge of marshy vegetation	ET 40	847355	185356	2013	-	07.25 ¹⁵	10.16 ¹⁷
S20	Sző-rét 20 (Körösnyagharsány): open water area	ET 40	847288	185395	2013	-	07.25 ¹⁵	10.16 ¹⁷
S21	Sző-rét 21 (Körösnyagharsány): bulrush stand in the open water	ET 40	847273	185401	2013	-	07.25 ¹⁵	10.16 ¹⁷
S22	Sző-rét 22 (Körösnyagharsány): edge of marshy vegetation	ET 40	847317	185412	2013	-	07.25 ¹⁵	10.16 ¹⁷
S23	Sző-rét 23 (Biharugra): temporarily flooded meadow	ET 40	847589	184747	2013	04.04 ²	D	D
S24	Sző-rét 24 (Biharugra): marshy area with dense vegetation (sedge, bulrush, saltmarsh bulrush)	ET 40	847539	184881	2013	04.07 ³	D	D
S25	Sző-rét 25 (Biharugra): as S24	ET 40	847524	185000	2013	04.07 ³	D	D
S26	Sző-rét 26 (Körösnyagharsány): as S24	ET 40	847681	185213	2013	04.07 ³	D	D
S27	Sző-rét 27 (Körösnyagharsány): as S24	ET 40	847759	185268	2013	04.07 ³	D	D
S28	Sző-rét 28 (Körösnyagharsány): as S24	ET 40	847737	185433	2013	04.07 ³	D	D

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
S29	Sző-réti-csatorna 1 (Biharugra): slow-flowing channel with dense emergent vegetation	ET 40	847498	184597	2013	04.04 ²	07.25 ¹⁹	-
S30	Sző-réti-csatorna 2 (Biharugra): as S29	ET 40	847675	184732	2013	04.07 ³	-	-
T01	Toprongyos 01 (Geszt): slow-flowing modified lowland stream section with aquatic vegetation	ES 49	844712	176324	2014	04.15 ⁹	06.22 ⁹	09.08 ⁹
T02	Toprongyos 02 (Geszt): slow-flowing modified lowland stream section without vegetation, under forest canopy	ES 49	844045	176950	2014	04.15 ⁹	06.22 ¹¹	09.08 ⁹
T03	Toprongyos 03 (Geszt): as T02	ES 49	843832	177233	2014	04.15 ⁹	06.22 ¹¹	09.08 ⁹
T04	Toprongyos 04 (Geszt): as T02	ES 49	843721	177878	2014	04.15 ⁹	06.22 ¹¹	09.08 ⁹
T05	Toprongyos 05 (Geszt): slow-flowing modified lowland stream section with dense marshy vegetation	ES 49	843317	177226	2014	04.15 ¹⁴	06.22 ⁴	09.08 ⁴
T06	Toprongyos 06 (Geszt): slow-flowing, strongly modified channel section with dense vegetation	ES 49	843036	177265	2014	04.15 ⁹	06.22 ¹⁶	09.08 ⁹
T07	Toprongyos 07 (Geszt): as T06	ES 49	843007	177271	2014	04.15 ⁹	06.22 ⁹	09.08 ⁹
T08	Toprongyos 08 (Geszt): as T06	ES 49	842716	177169	2014	-	06.22 ⁹	-
T09	Toprongyos 09 (Geszt): as T06	ES 49	841524	176934	2014	04.15 ⁹	06.22 ⁹	09.08 ⁹
T10	Toprongyos 10 (Geszt): as T06	ES 49	840408	176832	2014	04.15 ⁹	06.22 ⁹	-
T11	Toprongyos 11 (Geszt): slow-flowing, strongly modified channel section, slightly dammed by a lock with dense aquatic and emergent vegetation	ES 49	840138	177117	2014	04.15 ⁹	06.22 ⁹	09.08 ⁹
T12	Toprongyos 12 (Zsadány): as T06	ES 49	839253	178531	2014	04.14 ¹¹	06.22 ⁹	09.08 ¹⁸
T13	Toprongyos 13 (Zsadány): as T06	ES 49	838833	178666	2014	04.14 ¹¹	06.22 ⁹	-
T14	Toprongyos 14 (Zsadány): as T06	ES 49	839039	179046	2014	-	06.22 ⁹	09.08 ⁹
U01	Ugrai rét 01 (Biharugra): shallow small ditch with marshy vegetation	ET 40	845912	184345	2012	03.24 ¹³	D	D
U02	Ugrai rét 02 (Biharugra): as U01	ET 40	845989	184361	2012	03.24 ¹³	D	D
U03	Ugrai rét 03 (Biharugra): marshy area with <i>Phragmites</i> stands	ET 40	845995	184500	2012	03.24 ¹³	07.31 ¹⁰	D
U04	Ugrai rét 04 (Biharugra): as U03	ET 40	846048	184535	2012	03.24 ¹³	D	D
U05	Pocsolya A (Biharugra): temporary puddles	ET 40	845159	184404	2012	03.25 ¹³	D	D

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
U06	Régi holtmeder A (Biharugra): silted small oxbow lake	ET 40	845167	184411	2012	03.25 ¹³	D	D
U07	Régi holtmeder B (Biharugra): as U06	ET 40	845232	184671	2012	03.25 ¹³	D	D
U08	Égeres A (Biharugra): alder swamp with small dystrophic pond	ET 40	845218	184785	2012	03.25 ¹³	D	D
U09	Ugrai-rét 05, leeresztő csatorna, külső (Biharugra): outlet channel with dense <i>Stratiotes</i> and other submerged and emergent vegetation	ET 40	845192	185087	2012	03.25 ¹³	07.30 ¹⁰	10.20 ¹²
U10	Ugrai-rét 06, Leeresztő csatorna, zsilip (Biharugra): as U09	ET 40	845211	185088	2012	03.25 ¹³	07.30 ¹⁰	D
U11	Ugrai-rét 07 (Biharugra): small ditch with emergent vegetation and temporary flooded area	ET 40	845204	185274	2012	03.25 ¹³	07.30 ¹⁰	D
U12	Égeres B (Biharugra): as U08	ET 40	845434	185457	2012	03.25 ¹³	D	D
U13	Kidőlt fa alatti üreg (Biharugra): small hole under a fallen tree temporarily filled with water	ET 40	845618	185419	2012	03.25 ¹³	D	D
U14	Ugrai-rét 08 (Biharugra): small ditch without vegetation	ET 40	845619	185428	2012	03.25 ¹³	07.30 ¹⁰	D
U15	Ugrai-rét 09 (Biharugra): as U14	ET 40	845783	185388	2012	03.25 ¹³	07.30 ¹⁰	D
U16	sebes csatorna (Biharugra): small outlet channel with concrete bed and fast-flowing water	ET 40	846256	184335	2012	03.25 ¹³	07.30 ¹⁰	10.20 ¹²
U17	holt csatorna (Biharugra): closed outlet channel with standing water and dense vegetation	ET 40	846278	184393	2012	03.25 ¹³	D	D
U18	Ugrai-rét 10 (Biharugra): open water area	ET 40	845652	185281	2012	03.26 ¹³	D	D
U19	Ugrai-rét 11 (Biharugra): open water area with submerged vegetation	ET 40	845757	185246	2012	03.26 ¹³	07.31 ¹⁰	D
U20	Ugrai-rét 12 (Biharugra): open water area with reed stands	ET 40	845809	185256	2012	03.26 ¹³	D	D
U21	Ugrai-rét 13 (Biharugra): open water area	ET 40	845864	185257	2012	03.26 ¹³	D	D
U22	Ugrai-rét 14 (Biharugra): willow carr	ET 40	845992	185230	2012	03.26 ¹³	D	D
U23	Ugrai-rét 15 (Biharugra): open water area with reed stands	ET 40	845962	185205	2012	03.26 ¹³	D	D
U24	keréknyom (Biharugra): wheel track temporarily filled with water	ET 40	845883	185320	2012	03.26 ¹³	D	D
U25	Ugrai-rét 16 (Biharugra): open water area	ET 40	845367	185028	2012	03.26 ¹³	-	-
U26	Ugrai-rét 17 (Biharugra): open water area with reed stands	ET 40	845388	185042	2012	03.27 ¹³	-	-

Code	Name and short description	UTM	EOV X	EOV Y	Year	Sp (a)	Su (b)	Au (c)
U27	Papzug 1 (Biharugra): small marshy spots with sedge vegetation in a meadow	ET 40	846738	185068	2012	03.26 ¹³	D	D
U28	Papzug 2 (Biharugra): as U27	ET 40	846682	184964	2012	03.26 ¹³	D	D
U29	Papzug 3 (Biharugra): small temporary ponds under canopy of willows	ET 40	846525	184833	2012	03.26 ¹³	D	D
U30	Ugrai-réti-csatorna (Biharugra): slow-flowing channel with concrete bed and scarce vegetation	ET 40	846813	185140	2012	03.26 ¹³	-	-
U31	Ugrai-réti-csatorna (Körösnagyharsány): as U30	ET 40	846364	185521	2012	03.26 ¹³	07.30 ¹⁰	10.20 ¹²
U32	Ugrai-rét 18 (Biharugra): open water area with reed stands	ET 40	845821	185060	2012	-	07.30 ¹⁰	
U33	Ugrai-rét 19 (Biharugra): marshy area with <i>Stratiotes</i>	ET 40	845801	185128	2012	-	07.31 ¹⁰	10.20 ¹²
U34	Ugrai-rét 20 (Biharugra): open water area with submerged vegetation	ET 40	845786	185211	2012	-	07.31 ¹⁰	D
U35	Ugrai-rét 21 (Biharugra): shallow small ditch with marshy vegetation	ET 40	845945	184361	2012	-	07.31 ¹⁰	-
U36	Tocsogók A (Körösnagyharsány): temporary puddles	ET 40	846482	185468	2012	-	07.30 ¹⁰	D
U37	Tocsogók B (Biharugra): temporary puddles	ET 40	846876	184781	2012	-	07.30 ¹⁰	D
U38	Ugrai-rét 22 (Biharugra): willow carr	ET 40	845501	184744	2012	-	08.01 ¹²	-
U39	Ugrai-rét 23 (Biharugra): as U09	ET 40	845313	185078	2012	03.27 ¹³	07.30 ¹⁰	D
U40	Ugrai-rét 24 (Biharugra): artificial concrete pool without vegetation, in connection with U09 and U10	ET 40	845199	185087	2012	-	07.30 ¹⁰	10.20 ¹²
U41	Tocsogók C (Biharugra): temporary puddles	ET 40	845182	184831	2012	-	07.30 ¹⁰	D
U42	Tocsogók C (Biharugra): temporary puddles	ET 40	846241	184327	2012	-	07.30 ¹⁰	D

Results and discussion

General remarks – Altogether 33 892 specimens were collected or observed and identified, which belong to 441 aquatic macroinvertebrate taxa (17 Hirudinoidea, 36 Mollusca, 5 Crustacea, 1 Araneae, 10 Ephemeroptera, 30 Odonata, 36 Heteroptera, 142 Coleoptera, 22 Trichoptera, 2 Megaloptera, 140 Diptera: Chironomidae and Culicidae). Only 12 out of the 163 species formerly known for the territory were not found during our survey, these species are also listed below, in the chapter List of species and new records. The relatively high numbers of species were impressive in themselves, but the composition was much more surprising. Nearly a quarter of the species (110 of 441, 24.9%) could be highlighted in various aspects. Five species were found in Hungary for the first time (*Enochrus* cf. *nigritus*, *Berosus hispanicus*, *Chironomus parathummi*, *Ch. piger*, *Tanytarsus lactescens*). *Erythromma lindenii* was also firstly recorded from Hungary, but during two different studies (present study; FARKAS and MÓRA 2015). The details of the Hungarian occurrence of the species are summarized in MÓRA and FARKAS (2015), however, for the reason of completeness, data from the Kis-Sárrét are also presented in this paper. One species is strictly protected (*Leucorrhinia pectoralis*), five species are protected in Hungary (*Argyroneta aquatica*, *Aeshna isosceles*, *Libellula fulva*, *Notonecta lutea*, *Aquarius najas*) (VM 2012), another species (*Hirudo verbana*) is listed as EU species of community interest (VM 2012) and in CITES (II), further two (*Niphargus valachicus*, *N. hrabei*) are listed as vulnerable in the IUCN Redlist (SKET 1996a, 1996b). Five non-native species were also found (*Haitia acuta*, *Ferrissia fragilis*, *Corbicula fluminea*, *Sinanodonta woodiana* and *Anisops sardeus*); however, none of them were represented in high numbers of individuals or were found at many sites. From faunistic point of view, because of their nationwide rarity and/or special ecological requirements, or because of their occurrences in a lowland area are surprising, further 90 species are worth to mention (see below in chapter Notes on selected taxa). In cases of species of which all locality data are known, summarized in databases and available, the Hungarian distribution were also shown on maps (Figs. 2-18). Regarding many groups of macroinvertebrates, the number of curiosities is immensely remarkable, predicts the high natural value of the area. The faunal composition is an interesting mixture of typical marshland species, acidophil bog-dwelling elements and characteristic species of unique slow-flowing, densely vegetated, more or less near pristine lowland streams. Moreover, occurrences of hilly or mountainous species in a lowland area are surprising (*Gyrinus colymbus*, *Laccobius striatulus*, *Anacaena lutescens*, *Glyptotaelius pellucidus*, *Micropterna nycterobia*), as a result of the unusual biogeographic connection of the NPA with some parts of the Carpathians.

Notes on selected taxa

Sphaerium nucleus (S. Studer, 1820) – *Sphaerium nucleus* has been considered previously as a morphological variation of *S. corneum*, therefore there are no exact data about its distribution and frequency in Hungary. This species inhabits mainly small periodical pools, littoral zones of ponds, shallow swamps and drains with stagnant water and dense vegetation. Its occurrence was expected in Hungary, the only known old data from 1984 was published by VARGA and KOVÁCS (2011), but its first reliable recent records are only captured during this project. *Sphaerium nucleus* is considered endangered in Czech Republic (BERAN et al. 2005, KORINKOVA et al. 2008). The most important threats of this species are destruction of suitable habitats, drain-age, eutrophication, and succession.

Batracobdelloides moogi Nesemann et Csányi, 1995 – Central European species, which is known from the Carpathian-basin, and also has some records from Germany and Poland. This marsh dwelling leech is a temporary ectoparasit of pulmonate freshwater snails (NESEMAN and CSÁNYI 1995). In Hungary, it usually occurs in the watercourses of the Kis-Balaton and from the standing and slow-flowig waters of the Szigetköz. It also occurs sporadically in different oxbows and marshes all over Hungary (Fig. 2), however, so far, it has not been known from the Kis-Sárret NPA. It was collected from different localities of the Ugrai-rét, and from one site of the Sző-rét.

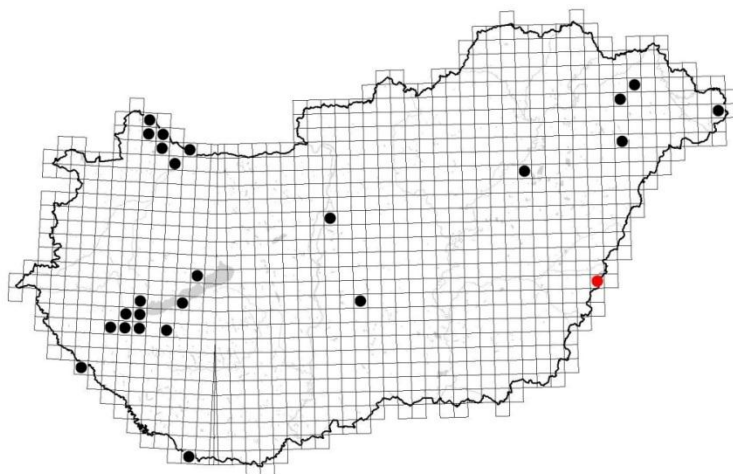


Figure 2. Known Hungarian localities (left) of *Batracobdelloides moogi*. Red dot: new records, black dot: recent data (after 1960).

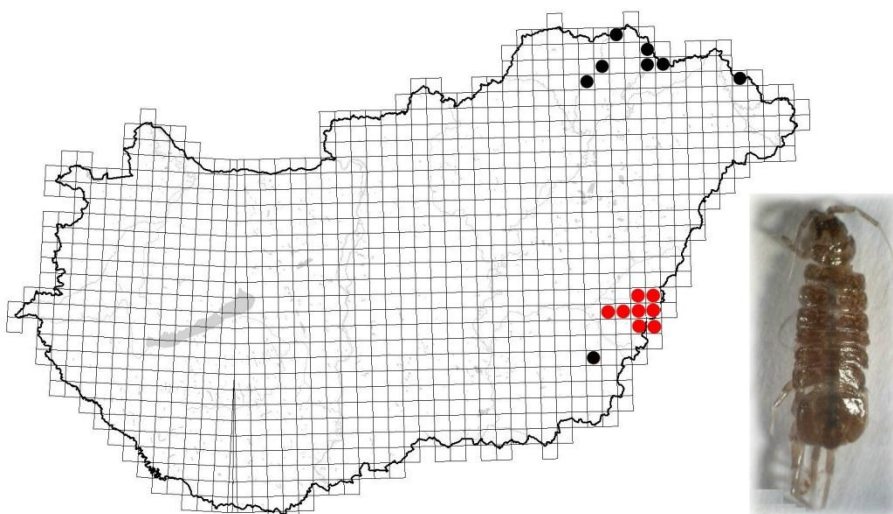


Figure 3. Habitus (right) and known Hungarian localities (left) of *Proasellus pribenicensis*. Red dot: new records, black dot: recent data (after 1960). picture Mauchart, P.

Proasellus pribenicensis Flasarova, 1977 – It has been described from Bodrogköz (Slovakia) near the Hungarian border (FLASAROVÁ 1977), then it has been collected in Romania from the basin of the rivers Szamos, Túr and Kraszna (NEGOESCU 1987). First Hungarian record was reported by KONTCHÁN (2001) from Halmaj (Cserehát), since that it has been found in other parts of the Northern Mountains and from Bereg (KONTSCHÁN et al. 2006, JUHÁSZ et al. 2006b, Fig. 3). The species usually inhabits slow flowing streams, channels and small ponds where it coexists with the common *Asellus aquaticus*. It can be considered that the Hungarian populations occupy central position in the narrow distribution area of the species, which highlights the importance of the conservation of this species (BORZA and PUKY 2012). As we collected the species in large numbers at all sites except Vátyon-mocsár, that may suppose that the species occupies a larger area and its appearance is expected at other locations. For example, the species was also collected in 2013 at the Nagy-gyöp, 40 km southeastwards from the Kis-Sárrét (CSABAI et al. 2015).

Niphargus valachicus Doboreanu et Manolache, 1933 and ***Niphargus hrabei*** S. Karaman, 1932 – Recent information (Borza P. unpublished data) showed that both species are characterized by a wide distribution area, but they are mostly separated each other. *N. hrabei* mostly occurs in the western parts of Hungary while *N. valachicus* proved to be more frequent at regions east to the Danube, while the co-existence of the species is quite rare. This is the reason why our data are especially valuable because we collected *N. hrabei* close to the eastern (Hungarian-Romanian) border of the country, out of its known range, in co-existence with *N. valachicus* at many sampling sites.

Leucorrhinia pectoralis (Charpentier, 1825) – This species occurs in Central and East Europe, from the southern regions of Scandinavia to the northern edge of the Mediterranean region. Rare species, small local populations exist all over its distributional area (ASKEW 2004; DIJKSTRA 2006). It is strictly protected in Hungary due to their small, vulnerable populations. The larvae develop in oligotrophic-mesotrophic standing waters (e.g. swamps, marshes, oxbows), with dense, mosaic vegetation. A single specimen was collected in the Ugrai-rét, where the population is threatened by drought.

Microvelia buenoi Drake, 1920 – Holarctic species distributed from Great Britain to Central Asia and the Russian Far East (AUKEMA et al. 2013). It is a rare species in Hungary (Fig. 4). Generally, it prefers exclusively shaded standing waters, living in the littoral zones of ponds and lakes.

Mesovelia thermalis Horváth, 1915 – It has been regarded as a thermophilous, endemic species for the Carpathians, but in the light of new findings this theory seems to be refuted. Formerly it was only known from Hungary, Romania, Ukraine and southwestern territory of Russia, but was recently found in Japan, too (VINOKUROV 2006). First Hungarian record was originated from an oxbow (KISS 1999), and later it followed by records from the Bakony Mountains, along the Danube, Bodrog and Drava rivers and from the Bihari Plain (CSABAI et al. 2005a, Soós et al. 2008, Kiss et al. 2008, Fig. 5). The species prefer small ditches, ponds and oxbows with dense vegetation.

Notonecta lutea Müller, 1776 – A North and East European species. It is protected in Hungary, where is extremely rare, has been only known from 11 UTM grids (Fig. 6). It generally prefers small eutrophic or mesotrophic freshwater ponds and wetlands. Sometimes occurs in the shoreline region of slow-flowing channels or ditches.

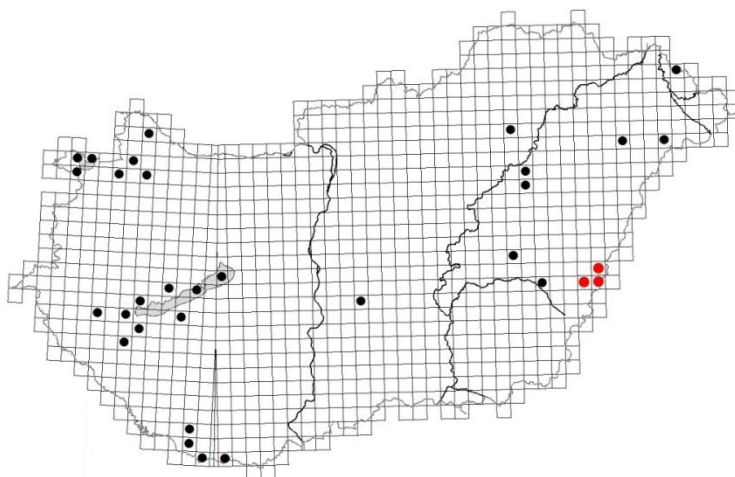


Figure 4. Known Hungarian localities of *Microvelia buenoi*. Red dot: new records, black dot: recent data (after 1960).

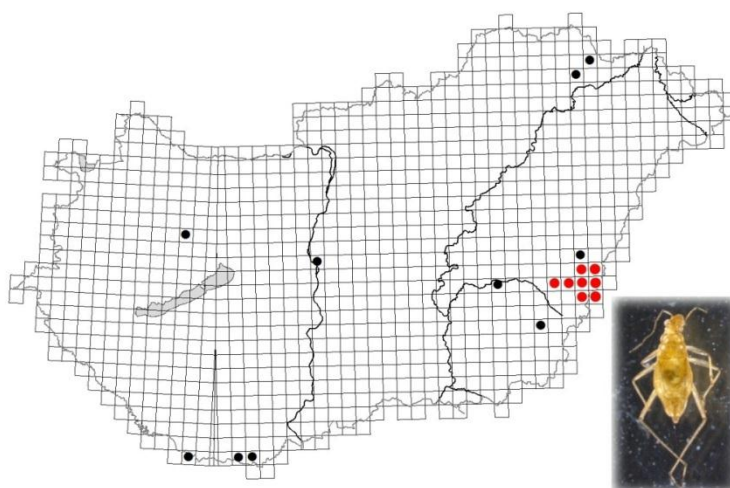


Figure 5. Habitus (right) and known Hungarian localities (left) of *Mesovelia thermalis*. Red dot: new records, black dot: recent data (after 1960). picture Boda, P.

Anisops sardeus Herrich-Schäffer, 1849 – This originally Mediterranean species show a recent range expansion northwards in Europe (REDUCIENDO KLEMENTOVÁ and SVITOK 2014). Several new records and regular findings of *Anisops sardeus* were published from all across Southern and Central Europe during the last five years (BERCHI 2011, KHATUKHOV et al. 2011, KMENT and BERAN 2011, CIANFERONI and PINNA 2012, CIANFERONI and TERZANI 2013, REDUCIENDO KLEMENTOVÁ and SVITOK 2014). First records from Hungary were published by SOÓS et al. (2010), since then the species conquered all the territory of the Great Hungarian Plain and became a moderately common species (Fig. 7). Based on the Hungarian records, the species generally lives in various kinds of shallow standing waters, such as oxbows, marshes, alkaline ponds and wetlands (e.g. SOÓS et al. 2010, PETRI et al. 2012, BODA et al. 2012, CSABAI et al. 2015).

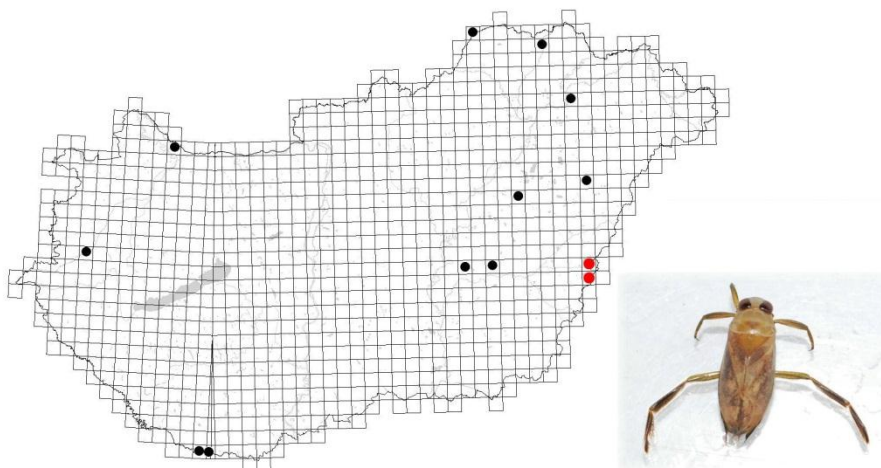


Figure 6. Habitus (right) and known Hungarian localities (left) of *Notonecta lutea*. Red dot: new records, black dot: recent data (after 1960). picture: Boda, P.

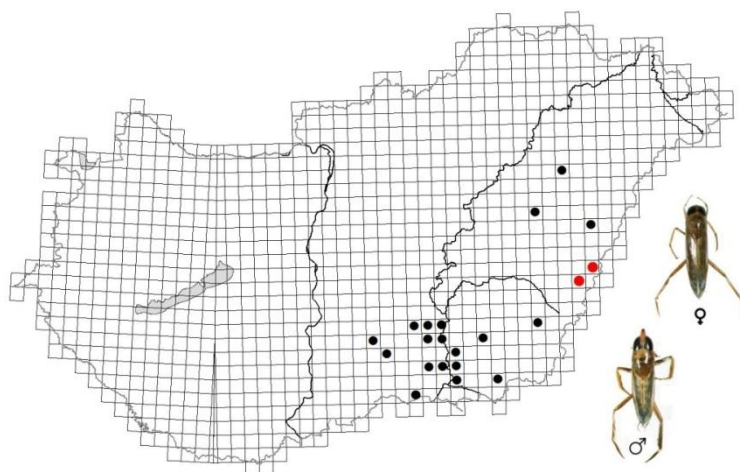


Figure 7. Habitus (right) and known Hungarian localities (left) of *Anisops sardus*. Red dot: new records, black dot: recent data (after 1960). picture Soós, N. (Soós et al. 2010).

Halipus fulvicollis Erichson, 1837 – Palearctic species, which is sporadically known from all over Europe. In Hungary, it is extremely rare, has been only known from a few localities: Barcs, Bátorliget, Csaroda, Izsák, Királyhegyes, Ócsa, Orgovány, Tihany (CSABAI 2000, Fig. 8). Typical inhabitants of lowland bogs and fens, almost all Hungarian data were originated from such kind of habitats. Presence of the species in a waterbody indicates boggy environment. A single specimen was captured in the Ugrai-rét.

Hydroporus scalesianus Stephens, 1828 – Northern and Central European species. From Hungary it has been only known from Arak, Balatonmagyaród, Barcs, Csaroda, Főnyed, Kővágóörs, Kunmadaras, Pálmonostora, Dinnyés, Egerbakta, Rakamaz, Vörs (CSABAI 2000, 2003, CSABAI and NOSEK 2006, LÖKKÖS 2014b, MÓRA

et al. 2011, Fig. 9). All over its range it is typical inhabitant of *Sphagnum* bogs, but in Hungary has been also known from lowland fens, temporary marshes and from oxbow lakes with rich submerged and marshy vegetation. Some specimens were captured in two sites within the Ugrai-rét.

Laccornis koca (Ganglbauer, 1904) – *L. koca* is the least specialized member of its genus with the most plesiomorphic characters (WOLFE and ROUGHLEY 1990). The species has a very narrow distribution range; it has been only known from Austria, Croatia and Hungary, recently detected in the Ukraine and Russia. Hungarian occurrences are widely spread over the lowlands and hilly areas (Fig. 10). Lifestyle of the species is poorly known, it seems to prefer shallow marshes and temporary waters, but is known from densely vegetated permanent waterbodies. It has been known from the area (Sző-rét, CSABAI and MÓRA 2003), new records came from the Ugrai-rét and from a slow-flowing lowland stream section with dense submerge and emergent vegetation (Köles-ér).

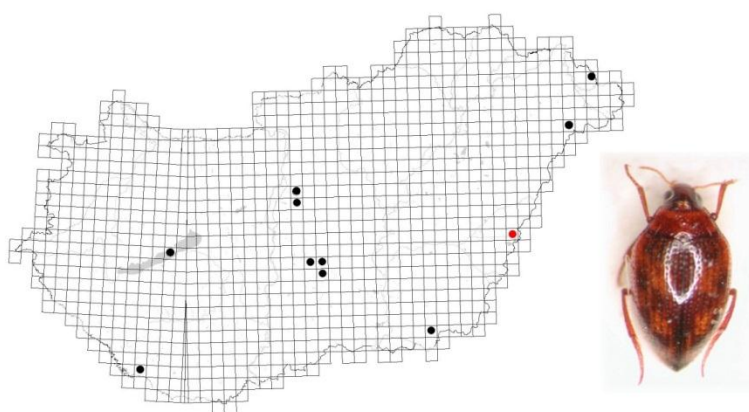


Figure 8. Habitus (right) and known Hungarian localities (left) of *Haliplus fulvicollis*. Red dot: new records, black dot: recent data (after 1960). picture: Z. Csabai.

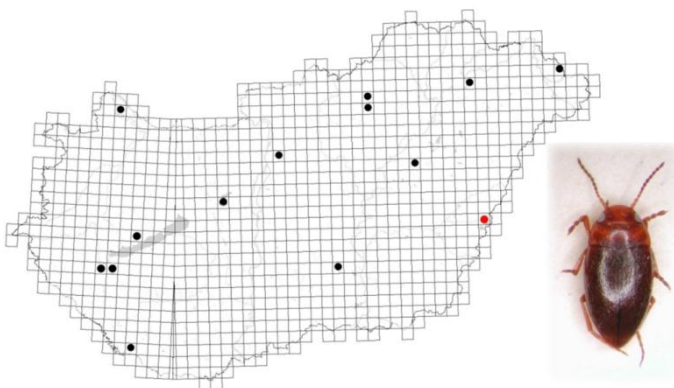


Figure 9. Habitus (right) and known Hungarian localities (left) of *Hydroporus scalesianus*. Red dot: new records, black dot: recent data (after 1960). picture: Z. Csabai.

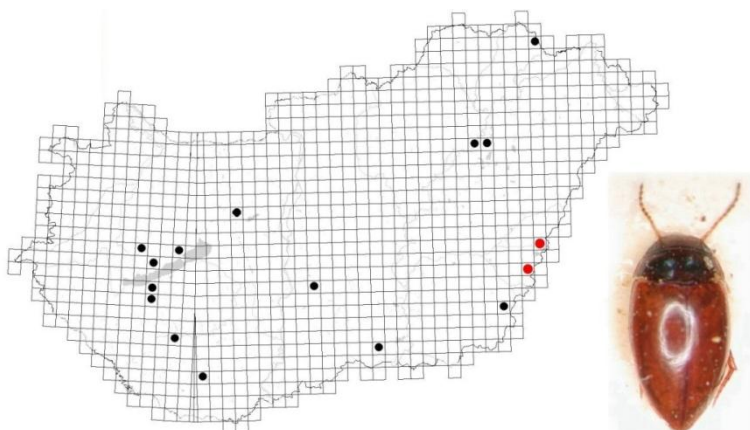


Figure 10. Habitus (right) and known Hungarian localities (left) of *Laccornis kocaе*. Red dot: new records, black dot: recent data (after 1960). picture: Z. Csabai.

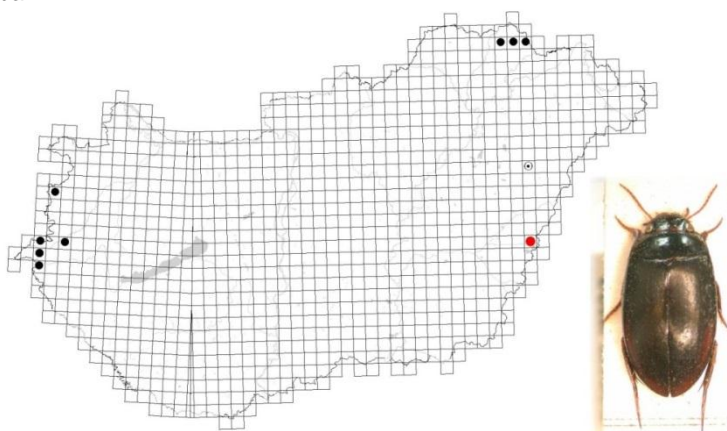


Figure 11. Habitus (right) and known Hungarian localities (left) of *Agabus melanarius*. Red dot: new records, black dot: recent data (after 1960), circle with small dot: old records (before 1960). picture: Z. Csabai.

Agabus melanarius Aubé, 1837 – Central and Northern European species, in the northern part of its range it prefers spring outlets, streams and ditches, marshes and fen in forested areas. In the south, it has been captured mainly from 'boggy areas'; Hungarian data (excluding its old questionable record from Debrecen) are only known from the Őrség region, Kőszeg and Zemplén Mountains (CSABAI 2000, ÁDÁM and HEGYESSY 2004, Móra et al. 2008, Fig. 11). New record is quite surprising from an adjacent willow carr in the Ugrai-rét, which is the first confirmed record from the Great Hungarian Plain.

Helophorus* cf. *arvernicius Mulsant 1846 – Except the Mediterranean, *H. arvernicius* occurs all over Europe, mainly lives in pools of mountainous and hilly streams. Its occurrence was expected from Hungary, especially in our mountains. However its first records were came from the lowland (Lónyai-channel, Tiszabercel, MÓRA et al. 2005). During this project, a single specimen was captured in the Ináncsi-channel (Korhány watercourse system), which is the second record from Hungary (Fig. 12). Unfortunately this specimen is a female, which can be hardly identified; this justifies the usage of a "cf." sign.

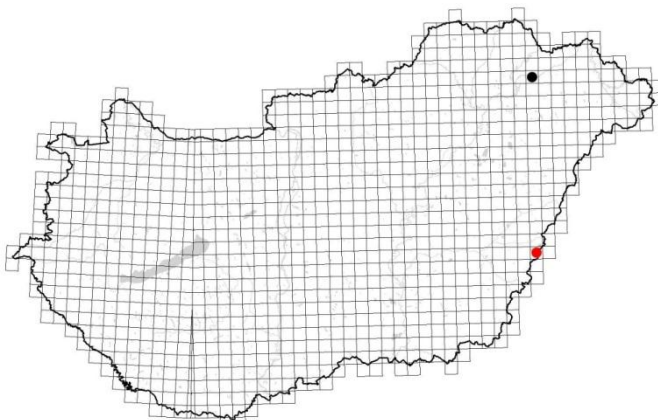


Figure 12. Known Hungarian localities of *Helophorus arvernensis*. Red dot: new records, black dot: recent data (after 1960).

Enochrus ater (Kuwert, 1888) – This Central European and Mediterranean species is a typical example for forgotten and overlooked species. Some identified specimens were housed in the Hungarian Natural History Museum from the 80's, but the first paper which mentions this species from Hungary was the hydrophilid checklist of CSABAI and SZÉL (1999). Further data can be found in CSABAI et al. 2010a, 2010b, LÖKKÖS 2010 (Fig. 13.). Most probably, it is more common in Hungary than its records indicate. The life history of the species is poorly known, but it seems to prefer densely vegetated marshy habitats with more or less alkaline characteristics.

Enochrus* cf. *nigritus (Sharp, 1872) – Atlanto-mediterranean species but also known from Romania, too. So far, it has not been known from Hungary, but its occurrence was expected mainly along the Croatian-Hungarian border. Although the species is highly variable in morphology, the specimens captured at the Korhány and Sző-rét sites have clearly different external morphology to *E. affinis* specimens, but not completely meets with the description and specific features of *E. nigritus*. So these records must be considered as somewhat questionable records (signed with "cf.") and this issue needs further attention.

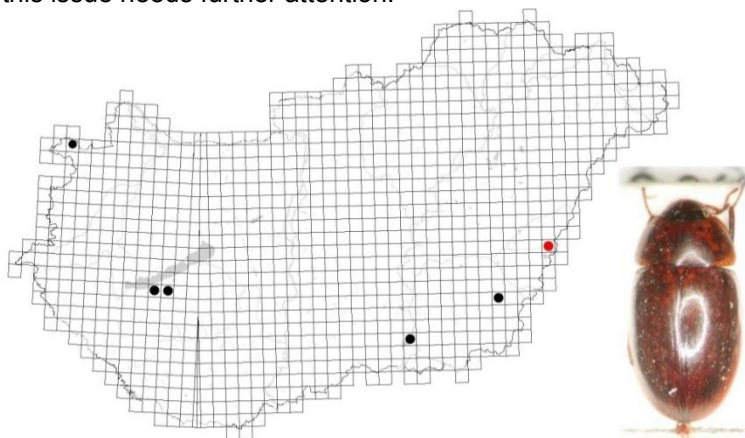


Figure 13. Habitus (right) and known Hungarian localities (left) of *Enochrus ater*. Red dot: new records, black dot: recent data (after 1960). picture: Z. Csabai.

Laccobius syriacus Guillebeau, 1896 – Palearctic species, known from West and Central Asia, India, but it has relatively narrow distributional area in Europe. It has been known from the Balkans, and its range extends northwards to the Czech Republic, westwards to Austria. From Hungary, occurrence data are known from Balatonöszöd, Barótapuszta, Csaroda, Fertőrákos, Hercegszántó, Királyháza, Legénd, Pölöske, Siófok, Szögliget és Zaláta (CSABAI et al 2002, CSABAI et al. 2005b, LÖKKÖS 2014a, MÓRA et al. 2008, Fig. 14). In our region the majority of its data were known from densely vegetated ponds and swamps, but new records are from slow-flowing lowland watercourses (Korhány and Toprongyos).

Laccobius striatulus (Fabricius, 1801) – It is a widespread species in Europe, and moderately common in Hungary, but so far it has been almost exclusively known from mountainous and hilly streams with moderately flowing water and some vegetation. The reason for highlighting this species is that it has only few records from the Great Hungarian Plain along the Danube, but from the Transisanian territory it is only known from the Kis-Sárrét area (Fig. 15). There were old records from a fast-flowing channel in the Ugrai-rét (CSABAI and MÓRA 2003, MÓRA et al. 2002.), during this project it was captured from Korhány watercourse system, Holt-Sebes-Körös and Toprongyos.

Hydrochara dichroma (Fairmaire, 1892) – Widespread palaearctic species, which occurs in Central Asia, Asia Minor, Caucasus, West China, but in Europe its range extends westwards and northwards to Hungary. This species is also a forgotten taxon, first mention from Hungary is published by SMETANA (1980) but until 2002 it remained hidden for Hungarian beetlers (CSABAI 2002). Besides of remarkable numbers of old museum records, recent papers provided several new records of the species (Fig. 16). Although not as common as the other two members of its genus, however, it occurs sporadically all over the Great Hungarian Plain. It clearly prefers shallow, easily warming waterbodies, mainly temporary or permanent marshes. From Hungary, many of its records came from alkaline waters, but most probably it is not because of its halophilic preference, but is in connection with the higher thermal capacity of shallow alkaline waters. Recent project provided new data from the Ugrai-rét, Vátyon-mocsár, as marshy habitats, but surprisingly a single specimen was captured in the Korhány watercourse system, too.



Figure 14. Habitus (right) and known Hungarian localities (left) of *Laccobius syriacus*. Red dot: new records, black dot: recent data (after 1960), circle with small dot: old records (before 1960). picture: Z. Csabai.

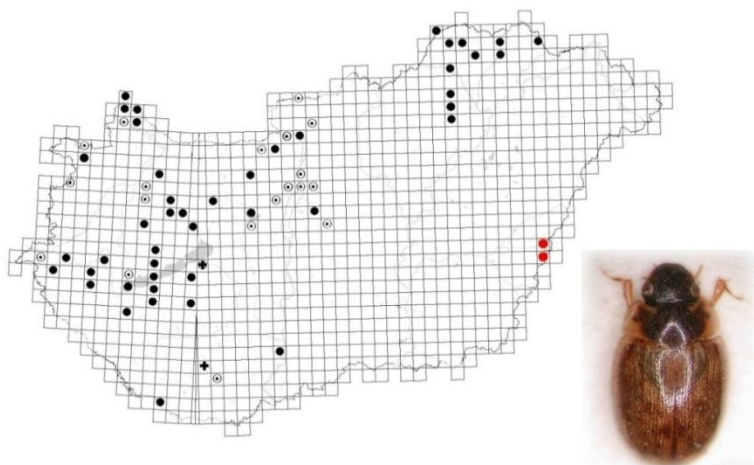


Figure 15. Habitus (right) and known Hungarian localities (left) of *Laccobius striatulus*. Red dot: new records, black dot: recent data (after 1960), circle with small dot: old records (before 1960), black cross: questionable records. picture: Z. Csabai.

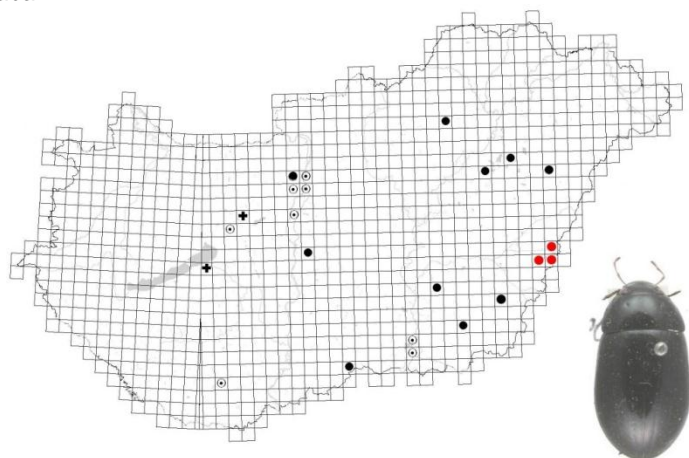


Figure 16. Habitus (right) and known Hungarian localities (left) of *Hydrochara dichroma*. Red dot: new records, black dot: recent data (after 1960), circle with small dot: old records (before 1960), black cross: questionable records. picture: Z. Csabai.

Berosus geminus Reiche et Saulcy, 1856 – For a long time it was regarded as a synonym of *B. signaticollis*, therefore accurate distribution is not known. It has confirmed records from Austria, Croatia, Italy, Germany, Hungary, Poland, Romania, Slovakia and Asian part of Turkey. From Hungary it has been known from Kaposvár and Sátorhely based on old records, and recently collected in Ecsegfalva, Jászfelsőszentgyörgy, Farnos, Sátoraljaújhely and Szentés (CSABAI and MÓRA 2003, MÓRA et al. 2004, MOLNÁR 2008, Fig. 17). Its life history and preferences are not clear, but usually occurs in standing waters along small and medium sized rivers and lowland marshes. During our collections it has been found in marshes (Vátyonmocsár and Kivágási-legelő), but also in watercourses (Holt-Sebes-Körös and Toprongyos).

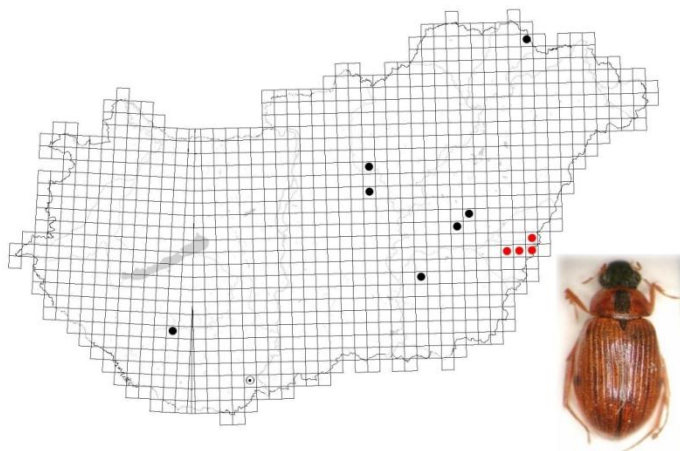


Figure 17. Habitus (right) and known Hungarian localities (left) of *Berosus geminus*. Red dot: new records, black dot: recent data (after 1960), circle with small dot: old records (before 1960), black cross: questionable records. picture: Z. Csabai.

Berosus hispanicus Küster, 1847 – West Palearctic, mainly Mediterranean species. Recent records have been known from The Netherlands, Spain, Portugal, Italy, France, Greece and Croatia. There are old records from South Germany, Austria (from the vicinity of Vienna) and from the Czech Republic (Central Moravia), but in these countries the species is regarded as regionally extinct (BOUKAL et al. 2007, SCHÖDL 1993). For Hungary, it has been expected to occur in southwestern region, near to Croatia. Nevertheless, two specimens were collected in the opposite side of the country, in the Toprongyos lowland stream, only one km far from the Hungarian-Romanian border.

Dryops anglicanus Edwards, 1909 – This European species has been known from Great Britain to Russia, rare and localized in Central Europe (KODADA and JÄCH 2006). In Southern Europe it is regarded as a postglacial relict (CORNACCA et al. 2004). It seems to be very rare in Hungary, too. However, its distribution cannot be given precisely because of the poor knowledge on Dryopidae species of Hungary. It is a tyrophilous species and it prefers mainly peatbogs (BOUKAL et al. 2006, BUCZYŃSKI and PRZEWOŹNY 2008, HENDRICH and BALKE 1994).

Tricholeiochiton fagesii (Guinard, 1879) – Widespread species in Europe, however it is often overlooked due to its small body size. In Hungary it is very rare: larger populations are known from the Fertő (VARGA et al. 1998) and Hagymás-lapos (MÓRA et al. 2005), and an unpublished record is known from the Kis-Balaton (Fig. 18). The larvae develop in shallow standing waters with dense marshy vegetation (reed, sedge). On the basis of our knowledge on the biology of the species, most likely it is more common in Hungary than it is shown by the distributional data.

Arctopelopia griseipennis (van der Wulp, 1859) – Widespread species in Europe, however it has not been found in many countries yet (see SÆTHER and SPIES 2013). It is a typical inhabitant of oligotrophic and oligosaprobic lakes in boreal and Alpine regions, but probably more tolerant in the European lowland waters (VALLENDUUK and MOLLER PILLOT 2007). In Hungary only old records based on adults (Budapest 1916, Gyón 1911) are known for the species (ZILÁHI-SEBESS 1944). Thus *A. griseipennis* was re-found after nearly 100 years in Hungary, and these are the first records based on larvae and exuviae for this species from the country.

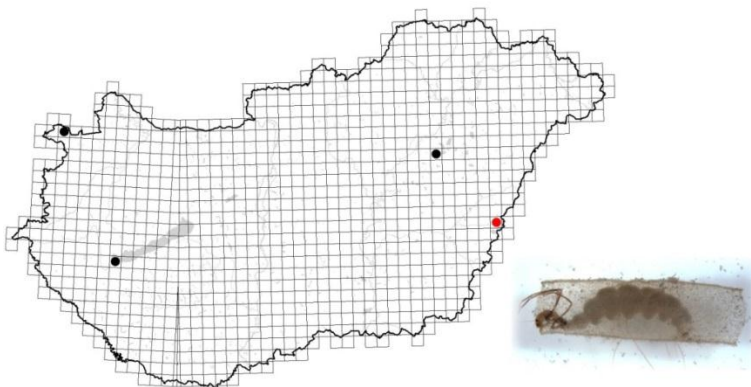


Figure 18. Habitus (right) and known Hungarian localities (left) of *Tricholeiochiton fagesii*. Red dot: new record, black dot: recent data (after 1960). picture: A. Móra.

Chironomus parathummi Keyl, 1961 – Palearctic species which has a sporadic distribution in Europe. The larvae of the species of the genus are generally hardly distinguishable from each other by morphological characters, but that of *Ch. parathummi* relatively easily can be identified. Although it was not mentioned among the species that could be expected to occur in Hungary (MÓRA and DÉVAI 2004), based on the new European records (see SÆTHER and SPIES 2013) its occurrence in our country is not surprising.

Chironomus piger Strenzke, 1956 – It is an inhabitant of lakes and temporary standing waters all over Europe, and was listed among the species that could be expected to occur in Hungary (MÓRA and DÉVAI 2004). Its larvae are hardly distinguishable from those of *Ch. riparius*, which probably caused that *Ch. piger* has not been recorded from Hungary yet. The exuviae of the two species are similar, but can clearly be identified, thus the exuviae collected in the Kis-Sárrét verify the presence of *Ch. piger* in Hungary.

Tanytarsus lactescens Edwards, 1929 – This species occurs in West, North and Central Europe (see SÆTHER and SPIES 2013). Our knowledge on the habitat of *T. lactescens* is limited; it was mainly recorded from lakes. It was listed among the species that could be expected to occur in Hungary (MÓRA and DÉVAI 2004).

From faunistic point of view, some other species also worth to be listed due to their rarity, without extensive details.

Hirudinea: *Placobdella costata*, *Dina apathyi*, *Dina lineata*, *Theromyzon tessulatum*.

Mollusca: *Sphaerium rivicola*, *Pisidium obtusale*, *Physa fontinalis*.

Coleoptera: *Haliphus fulvus*, *Graptodytes granularis*, *Hydroporus tristis*, *Hyphydrus anaticus*, *Agabus striolatus*, *Ilybius subtilis*, *Graphoderus zonatus*, *Gyrinus colymbus*, *Hydrochus angustatus*, *Hydrochus brevis*, *Hydrochus megaphallus*, *Helophorus micans*, *Anacaena lutescens*, *Limnebius aluta*, *Hydraena paganettii*, *Ochthebius lividipennis*, *Ochthebius meridionalis*.

Diptera, Chironomidae: *Anatopynia plumipes*, *Guttipelopia guttipennis*, *Chaetocladius piger*, *Corynoneura coronata*, *C. lobata*, *Cricotopus festivellus*, *C. ornatus*, *Eukiefferiella brevicar*, *Hydrobaenus lugubris*, *H. pilipes*, *Limnophyes pentaplastus*, *Metriocnemus cavicola*, *M. eurynotus*, *Orthocladius excavatus*, *O. glabripennis*, *O. oblidens*, *O. rivulorum*, *O. wetterensis*, *Paralimnophyes longiseta*, *Trissocladius brevipalpis*, *Chironomus commutatus*, *Ch. pallidivittatus*, *Ch.*

uliginosus, *Cladopelma goetghebueri*, *Cryptotendipes pseudotener*, *Glyptotendipes signatus*, *Microtendipes britteni*, *Parachironomus cinctellus*, *P. parilis*, *Paratanytarsus breviculcar*, *P. grimmii*, *P. inopertus*, *P. tenellulus*, *Polypedilum arundineti*, *P. uncinatum*, *Tanytarsus eminulus*, *T. medius*, *T. mendax*, *T. usmaensis*, *Zavreliella marmorata*.

List of species and new records

In the list below new records (n = 10 709) contain the following information: codes of the locality (e.g. U01) and date of collection (a: spring, b: summer, c: autumn) according to Table 1, and number of captured/observed individuals. In the cases of Odonata and Chironomidae groups, data based on larvae (L), exuviae (e) and adults (i) are also indicated after the numbers of individuals. In case of Ephemeroptera and Trichoptera all data refer to larvae, Heteroptera and Coleoptera data refer to adults exclusively. Abbreviations in the list as follows: PD: published data from the literature, NR: new records, superscripts for earlier data papers: I: CSABAI and MÓRA 2003, II: CSABAI et al. 1999, III: DOMOKOS 1997, IV: JUHÁSZ et al. 1998, V: JUHÁSZ et al. 2000a, VI: JUHÁSZ et al. 2000b, VII: JUHÁSZ et al. 2006a, VIII: JUHÁSZ et al. 2006b, IX: JUHÁSZ et al. 2006c, X: KISS et al. 1999, XI: KISS et al. 2006, XII: KOVÁCS 2006, XIII: KOVÁCS et al. 1998-99, XIV: KÖDÖBÖCZ et al. 2006, XV: MÓRA and CSABAI 2002, XVI: MÓRA et al. 2002, XVII: MÓRA et al. 2006, XVIII: MÜLLER et al. 2006, XIX: OLAJOS et al. 1998, XX: AMBRUS et al. 1998.

ANNELIDA

HIRUDINOIDEA (Identified by Kristóf Málnás)

ERPOBDELLIDAE

Dina apathyi Gedroyc, 1916 – NR: U08a, 1.

Dina lineata (O.F.Müller, 1774) – NR: L04a, 1; M02a, 1; M11a, 1; S04a, 1; S06a, 2; S08a, 1; S10a, 1; S26a, 1; S27a, 1; U18a, 1.

Erpobdella nigracollis (Brandes, 1900) – PD: U'97^{IV}, U'99^V – NR: E01b, 9, c, 3; E02a, 1, b, 2, c, 1; E03a, 2, b, 16, c, 14; E05b, 3; E06b, 1, c, 4; E07b, 9, c, 2; H08b, 2; H11c, 4; K03b, 8, c, 3; K04b, 12; K05b, 3, c, 1; K06a, 1, b, 6, c, 1; K07b, 1, c, 4; K08b, 3; K09b, 2; K11c, 5; K19b, 1; K20b, 3, c, 1; T01a, 3, b, 10, c, 4; T02b, 1, c, 1; T03a, 1, b, 5, c, 1; T04c, 1; T05b, 1, c, 2; T06a, 1, b, 10, c, 6; T07b, 3, c, 2; T14b, 5; U33b, 1.

Erpobdella octoculata (Linnaeus, 1758) – PD: H'99^V, Sár-réti-csatorna (Biharugra)'96^{IV}, S'05^{IX}, U'96^{IV}/97^{IV}/99^V – NR: H02c, 3; H04c, 2; H05b, 1, c, 2; H06a, 2, b, 1, c, 8; H07c, 1; H08a, 1, b, 2, c, 2; H11a, 1, b, 1, c, 3; H12a, 1, b, 1, c, 1; T01a, 10, b, 6, c, 4; T02a, 1; T03b, 3, c, 2; T04c, 1; T05a, 6, b, 2; T06a, 3, c, 2; T07c, 2; T10b, 1; T11b, 1, c, 1; T12a, 10, b, 4, c, 8; T13b, 4; T14b, 5, c, 3; K03a, 4, b, 18, c, 4; K04b, 11; K05b, 1; K06a, 1, b, 5; K07b, 2; K09b, 1; K10b, 1; K15a, 3, b, 4, c, 2; K16c, 1; U02a, 2; U09b, 2; U19a, 1; U26a, 1.

Erpobdella testacea (Savigny, 1820) – PD: U'96^{IV}.

HAEMOPIIDAE

Haemopsis sanguisuga (Linnaeus, 1758) – PD: S'97^{IV} – NR: K02a, 1; K10b, 1; K11b, 1; K15b, 1; S06a, 1; U01a, 1; U12a, 1; U19b, 1; U32b, 15; U33b, 2; U34b, 4.

HIRUDINIDAE

[*Hirudo medicinalis* Linnaeus, 1758] – PD: Sár-réti-csatorna (Biharugra)'96^{IV}, S'96^{IV}/97^{IV}, U'96^{IV}/97^{IV} – Most probably as a result of misidentification and data refers to *H. verbana*.

Hirudo verbana Carena, 1820 – PD: H'99^V, U'99^V – NR: L09b, 1; M12b, 1; S01b, 1; S05b, 1; S06b, 1; S09b, 1; S10b, 3, c, 1; S14b, 4, c, 1; S15b, 1, c, 1; S16b, 1, c, 1; S18b, 20; S19b, 8; S21b, 2, c, 1; U07a, 1; U09a, 1; U19a, 1, b, 1; U26a, 1; U32b, 1; U33b, 2; U34b, 1. – In the summer period dozens of big leeches were observed all over the S and U territories at almost all sampling point, most probably all belong to *H. verbana*. The list contains only the data of accurately identified specimens.

GLOSSIPHONIIDAE

Batrachobdelloides moogi Nesemann et Csányi, 1995 – NR: S07c, 1; U02a, 2; U03a, 5; U04a, 2; U09a, 1; U12a, 1; U18a, 2; U25a, 2; U29a, 1.

Alboglossiphonia heteroclita (Linnaeus, 1758) – PD: H'99^V, U'97^{IV}/99^V – NR: H06c, 1; H09a, 1; M08a, 4; M10b, 1; T05a, 1.

Alboglossiphonia hyalina (O.F.Müller, 1774) – NR: E03a, 1.

Glossiphonia complanata (Linnaeus, 1758) – PD: H'99^V, Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{IV}, U'96^{IV}/99^V – NR: E01a, 1; E03b, 1; E05b, 1; E06c, 1; E07c, 2; H04c, 1; H05c, 1; H06b, 1; H08b, 1, c, 1; H11c, 4; H12c, 1; H14b, 1, c, 1; K02b, 1, c, 2; K03c, 2; K04c, 1; K06c, 1; K13a, 3, c, 1; K15b, 1; T01a, 2; T02a, 1; T08b, 1; T11a, 1; T12c, 1; U02a, 3; U03a, 4; U04a, 2; U08a, 1; U09a, 3; U10a, 1; U22a, 1; U25a, 1; U38b, 1; U40b, 1, c, 2.

Glossiphonia concolor (Apáthy, 1888) – PD: H'05^{IX}/99^V, S'97^{IV}, U'99^V – NR: E05b, 1; E07b, 2; S16c, 1; U08a, 1; U11a, 1; U12a, 1; U28a, 1; U39a, 1.

Glossiphonia nebulosa Kalbe, 1964 – NR: E03c, 1; E05b, 1; H06c, 2; H08b, 1; K03b, 1, c, 1; K04b, 1, c, 1; K15c, 2; T01c, 1.

Helobdella stagnalis (Linnaeus, 1758) – PD: S'05^{IX}, U'97^{IV} – NR: H02b, 1; H11b, 1; T01b, 1.

Hemiclepsis marginata (O.F. Müller, 1774) – PD: Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{IV}, U'96^{IV}/97^{IV}/99^V – NR: E09b, 1; H04c, 2; H06b, 1; H07b, 1, c, 2; H10a, 1, b, 3; H11c, 3; H14b, 2; K03b, 1; K06a, 1; S29b, 2; T01b, 1; T02a, 1; T06a, 1, b, 9; T07a, 3, b, 1, c, 3; T09c, 1; T11b, 3, c, 3.

Placobdella costata (Fr.Müller, 1844) – PD: H'99^V, S'97^{IV}, U'96^{IV}, VI/97^{IV}/99^V – NR: E01c, 1; E02a, 1, b, 1; H02b, 2; H03b, 1; H11c, 2; H14b, 2; K01b, 2; K03a, 1, b, 2, c, 1; K04b, 1; K06a, 1; K08b, 1; K11c, 1; K19b, 1; K20b, 1; L07b, 1; M05a, 1; M07b, 1; M12b, 5; S15b, 1; S29b, 1; S30a, 2; T01b, 1, c, 1; T03b, 1; T04c, 2; T05a, 1; T07c, 1; T12c, 2; T14b, 1; U03a, 2; U04a, 1; U10b, 1.

Theromyzon tessulatum (O.F.Müller, 1774) – PD: S'97^{IV}, U'97^{IV}/99^V – NR: S10b, 1; S18c, 1; S19b, 1; U02a, 1; U03a, 2; U04a, 4; U19a, 2; U20a, 1; U28a, 1; U29a, 1; U33b, 1, c, 1.

PISCICOLIDAE

Piscicola geometra (Linnaeus, 1758) – NR: E03b, 2; E07b, 3; E08c, 2; E09b, 2; T03b, 1; T04c, 1; T06b, 1.

MOLLUSCA (Identified by Erika Bódis)

GASTROPODA

VIVIPARIDAE

Viviparus acerosus (Bourguignat, 1862) – PD: Határ-csatorna (Mezőgyán)'97^{IV}, H'99^V/05^{VII} – NR: E01a, 2, b, 1, c, 1; E02b, 1; E03a, 1; E05a, 1; E06a, 1; E07a, 9, b, 15, c, 2; E09b, 1; H01a, 2, c, 2; H02b, 19; H03b, 1; H04a, 2, b, 8, c, 4; H05b, 7, c, 18; H06a, 1, b, 3, c, 4; H07b, 50, c, 100; H08a, 1, b, 20, c, 1; H09a, 6, b, 12, c, 1; H10b, 1, c, 1; H11a, 13, c, 2; H12a, 2, c, 1; H14b, 1, c, 1; K06a, 1, c, 1; K07c, 1; K10c, 1; K12c, 2; K14a, 1; K20c, 3; S10a, 1; S30a, 1; T01a, 10, b, 2; T02a, 8, b, 7, c, 3; T03b, 3, c, 1; T04a, 3, c, 3; T05a, 3, b, 1; T06a, 2, b, 1, c, 1; T07a, 3; T08b, 1; T09a, 2, b, 2; T10a, 4, b, 1; T11a, 2, b, 2; T12a, 5, b, 1; T13a, 1; T14b, 2; U30a, 1; U31a, 1.

Viviparus contectus (Millet, 1813) – PD: H'99^V, K'97^{IV} – NR: H08b, 1; H09a, 1; K04b, 1; K06a, 1; K09c, 1; K12a, 2, c, 2; K15b, 1, c, 2; K16b, 1; K18b, 3; K19b, 1; U31b, 3.

BITHYNIIDAE

Bithynia tentaculata (Linnaeus, 1758) – PD: H'99^V – NR: E01a, 1, c, 2; E02c, 2; E05a, 3, b, 1; E06a, 1, c, 2; E07a, 7, c, 5; E09c, 2; H02c, 1; H07a, 2, b, 1; H08a, 2, b, 3, c, 3; H09a, 3, b, 7, c, 1; H10a, 1, b, 3, c, 1; H11a, 2, b, 2, c, 5; H12b, 3, c, 3; H14b, 3, c, 2; K02a, 4, b, 1, c, 9; K03b, 2, c, 1; K04c, 2; K06c, 3; K09b, 1; K12a, 1, b, 1; K15a, 1, b, 2, c, 3; S29a, 11, b, 6; S30a, 4; T01a, 11, b, 1, c, 4; T02a, 2, c, 3; T04a, 3, b, 3, c, 1; T05a, 1, c, 2; T06a, 1, b, 2, c, 3; T07a, 1, c, 1; T09a, 3; T10a, 1; T11b, 3, c, 1; T12a, 1, c, 3; T14b, 2.

VALVATIDAE

Valvata cristata O.F. Müller 1774 – PD: E'97^{IV}.

Valvata piscinalis (O.F. Müller, 1774) – PD: H'99^V – NR: E07c, 1; E08b, 1, c, 1; E09b, 3; S29a, 3.

ACROLOXIDAE

Acroloxus lacustris (Linnaeus, 1758) – PD: H'99^V, Sár-réti-csatorna (Biharugra)'96^{IV}, S'96^{IV}/97^{IV,III}/05^{VII}, U'89-97^{III}/97^{IV}/99^V – NR: E01a, 1; E03a, 5; E04a, 1; E05a, 1, b, 1, E07b, 3; H02c, 1; H06c, 1; H08a, 1, b, 1, c, 1; H09a, 1, b, 2; H10a, 4, b, 2; H12a, 2; K11a, 3; K12a, 1; K14a, 1; L02a, 1; L03a, 1; L08b, 2; M04a, 2; M05a, 4; M06a, 3; M07a, 3; M08a, 3; M10b, 1; M11a, 2; S06a, 1; S11a, 1; S14c, 1; S15b, 4, c, 1; S16b, 3; S19b, 1; S29a, 1; T02b, 1; T03c, 1; T06a, 1.

LYMNAEIDAE

Galba truncatula (O.F. Müller, 1774) – PD: U1989-97^{III} – NR: H02b, 1; H05b, 1; T04a, 1.

Lymnaea stagnalis (Linnaeus, 1758) – PD: H'99^V/05^{VII}, Sár-réti-csatorna (Biharugra)'96^{IV}, S'96^{IV}/97^{IV,III}, U'89-97^{III}/96^{IV}/97^{IV}/99^V – NR: E01c, 1; E02b, 1, c, 1; E04a, 1; E05c, 1; H03a, 4; H06a, 2, b, 3, c, 3; H07b, 1, c, 1; H08a, 1, b, 2, c, 1; H09b, 1; H10a, 1; H11a, 1; K01b, 1, c, 1; K03c, 2; K06a, 1, b, 3; K11b, 1; K16b, 2; S05b, 1; S07b, 1; S09b, 2; S14b, 1; S16b, 1; S28a, 1; T01a, 1; T02a, 1; T03a, 2, b, 1; T06c, 1; U01a, 1; U03a, 1; U04a, 1; U09a, 1, b, 1; U10a, 1, b, 1; U11a, 1; U19a, 1, b, 1; U21a, 1; U25a, 1; U26a, 1; U32b, 1; U33b, 1; U35b, 1; U40b, 1.

Radix auricularia (Linnaeus, 1758) – PD: H'99^V, U'99^V. – NR: E02b, 1, c, 4; E03a, 2, c, 1; E05a, 3, b, 2; E06a, 1, b, 1, c, 1; E07b, 9, c, 2; E08b, 4, c, 6; E09c, 1; H03b, 6; H04a, 1, b, 7, c, 4; H05b, 8, c, 2; H06a, 1; H07a, 3, b, 3; H10a, 2, c, 2; H11a, 3, b, 1, c, 2; H12a, 5, b, 6, c, 1; K06a, 1, b, 1; K19b, 1; L09c, 1; T01a, 2, b, 1, c, 2; T02a, 1, b, 1; T03b, 1, c, 2; T04c, 1; T10a, 1; T12a, 2, b, 2, c, 1; T13b, 1.

Radix balthica (Linnaeus, 1758) – PD: Határ-csatorna (Mezőgyán)'97^{IV}, H'99^V, Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{IV}, U'96^{IV}/97^{IV}/99^V – NR: E05c, 1; E09b, 3; H01b, 1; H02c, 1; T02c, 1; U03a, 1, b, 3; U04a, 1; U18a, 3; U19b, 1; U31a, 2, b, 1; U33b, 1, c, 3; U35b, 1.

Radix labiata (Rossmassler, 1835) – PD: S'97^{IV,III}, U'89-97^{III} – NR: K04c, 2; K07c, 2; K09c, 1; K19c, 1; U04a, 4; U16a, 1; U25a, 1; U27a, 1.

Stagnicola palustris (O.F. Müller, 1774) – PD: Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{IV}, U'89-97^{III}, U'97^{IV}, U'99^V. – NR: E01b, 1, c, 4; E02a, 3, c, 4; E03a, 3; E05a, 1, b, 2, c, 3; E06c, 1; E07a, 1, c, 1; H02c, 1; H03a, 2, b, 4; H05b, 1; H06a, 8, b, 8, c, 3; H07b, 2, c, 2; H08a, 3, b, 3, c, 5; H09b, 7; H10a, 3, b, 6, c, 2; H11a, 4, b, 2; H12b, 1; H14b, 1; K02a, 5, b, 3, c, 5; K03a, 1, b, 1, c, 3; K04b, 7, c, 5; K05b, 2, c, 1; K06a, 2, b, 2, c, 1; K07b, 1; K09b, 3; K10b, 2, c, 1; K12a, 1; K15b, 1; K18b, 2; K19b, 2; K20b, 1, c, 2; L02a, 5; L03a, 4; L08a, 2; L09a, 1, b, 1; M08a, 3; S01a, 1, b, 2; S07b, 2, c, 2; S09b, 1; S11a, 1; S19b, 1; S21b, 1; S28a, 2; S29a, 1, b, 2; T01a, 3, b, 1, c, 1; T03a, 1, b, 1, c, 2; T04c, 3; T05c, 1; T06a, 1, b, 2, c, 5; T07b, 6, c, 4; T08b, 6; T09a, 1, b, 4, c, 3; T10a, 2; T11b, 1; T12a, 1, b, 3; T13a, 1, b, 1; U04a, 3; U09a, 2; U10a, 1, b, 2; U11a, 1; U12a, 1; U18a, 1; U21a, 2; U23a, 1; U29a, 1; U32b, 1; U33b, 2.

PHYSIDAE

Haitia acuta (Draparnaud, 1805) – PD: S'97^{III,IV}, U'96^{IV} – NR: H01b, 2, c, 5; H04a, 5, b, 1, c, 4; H05b, 3; H06a, 4, b, 2, c, 3; H10a, 11, b, 6, c, 1; H11a, 17, b, 2, c, 5; H12a, 2, b, 1, c, 3; K18b, 1; K19c, 1; U09b, 1; U10a, 1; U20a, 1; U31a, 1, b, 3, c, 1.

Physa fontinalis (Linnaeus, 1758) – PD: Sár-réti-csatorna (Biharugra)'96^{IV}, U'89-97^{III}/96^{IV}/97^{IV}/99^V – NR: E03b, 1; H08b, 2; H13c, 1; K02c, 1; K03a, 3, b, 2, c, 10; K04b, 1, c, 2; K05c, 1; T14b, 1; U02a, 3; U03a, 12; U04a, 2; U10b, 2; U18a, 2; U34b, 1; U35b, 4; U39b, 2; U40b, 1.

PLANORBIDAE

Anisus spirorbis (Linnaeus, 1758) – PD: S'97^{III,IV}/05^{VII}, U'89-97^{III} – NR: E06a, 1; K02a, 2; K09c, 1; K11b, 1, c, 1; K13a, 1; L04a, 1; L06a, 2; L08a, 2; L09a, 2; M05a, 1; M06a, 1; S01a, 4; S02a, 2; S04a, 9; S05c, 1; S08a, 4; S09b, 4; S12a, 4; S16b, 2; S21b, 1; S23a, 15; S24a, 9; S25a, 2; S26a, 4; S27a, 1; S28a, 2; T05a, 1; U11a, 1; U12a, 1; U14a, 1; U15a, 2; U16a, 1; U27a, 1; U28a, 7; U36b, 8; U37b, 5.

Anisus vortex (Linnaeus, 1758) – PD: H'99^V/05^{VII}, K'97^{IV}, Sár-réti-csatorna (Biharugra)'96^{IV}, U'96^{IV} – NR: E01b, 4, c, 5; E02a, 1, b, 3, c, 7; E03a, 2, b, 5, c, 2; E04a, 1; E05a, 1, b, 4, c, 10; E06b, 4, c, 7; E07a, 3, b, 14, c, 3; E08c, 4; E09b, 1; H12a, 1; H13b, 3, c, 4; H14b, 1; K02a, 1, b, 5, c, 13; K03a, 3, b, 16, c, 14; K04b, 5, c, 9; K05c, 2; K06a, 1; K09b, 2; K13a, 6, b, 3, c, 4; K15a, 4, c, 9; K20b, 2; S07b, 5; S16b, 4; S18b, 1; T01a, 3, b, 1, c, 5; T04c, 1; U03b, 2; U19b, 5.

Anisus vorticulus (Troschel, 1834) – PD: E'97^{IV}, H'05^{VII}, H'99^V, S'97^{III,IV}, U'89-97^{III}/97^{IV}/99^V.

Ferrissia fragilis (Tyron, 1863) – NR: H04c, 1; H06a, 1, c, 1.

Gyraulus albus (O.F. Müller, 1774) – PD: E'97^{IV}, U'89-97^{III}/99^V.

Gyraulus crista (Linnaeus, 1758) – PD: H'99^V, U'89-97^{III} – NR: H09b, 1; T03a, 1.

Hippeutis complanatus (Linnaeus, 1758) – PD: S'97^{III}, U'89-97^{III}/99^V.

Planorbarius corneus (Linnaeus, 1758) – PD: Határ-csatorna (Mezőgyán)'97^{IV}, H'99^V/05^{VII}, S'97^{III,IV}, U'89-97^{III}/96^{IV}/97^{IV} – NR: E01a, 1, b, 1, c, 2; E02a, 2, b, 1, c, 2; E03a, 4, b, 15, c, 2; E04a, 1; E05a, 1, b, 5, c, 2; E06a, 1, b, 1, c, 1; E07a, 2, b, 8, c, 1; E08b, 1, c, 1; E09b, 2, c, 1; H01c, 1; H02b, 1; H03a, 1; H05b, 1; H06b, 1, c, 1; H07b, 3; H08a, 1, b, 5, c, 8; H09a, 1, b, 1, c, 1; H10a, 1, b, 1; H11a, 1, b, 1, c, 1; H12a, 1, b, 1, c, 1; H14b, 1; K01b, 1, c, 1; K02b, 1, c, 1; K03a, 1, c, 4; K04b, 2, c, 1; K05c, 1; K06a, 3, b, 2, c, 2; K07b, 1, c, 1; K08b, 1; K09b, 2; K11b, 2; K12c, 1; K13a, 1, c, 3; K14a, 1, b, 1; K15a, 1, b, 4, c, 1; K16b, 1, c, 2; K18b, 1; L03a, 1; L06a, 2; M07a, 1; M08a, 1; M11a, 1; S01a, 2, b, 1; S03b, 1; S07b, 4; S09b, 2; S14b, 1, c, 1; S15b, 3, c, 2; S16c, 1; S18b, 2, c, 3; S21b, 1; S22b, 1, c, 4; S23a, 1; S26a, 1; S28a, 1; T01a, 7, c, 1; T03a, 1, c, 1; T04c, 1; T05b, 1, c, 1; T06a, 7, b, 3, c, 1; T07a, 2, b, 1; T08b, 1; T09a, 1, c, 1; T10a, 1; T11a, 1, b, 6; T12c, 2; T13b, 1; T14b, 1; U01a, 1; U02a, 2; U03a, 2; U04a, 1; U05a, 1; U08a, 2; U09a, 1, b, 1; U10a, 2, b, 1; U11a, 1; U12a, 1; U15a, 1; U19b, 2; U21a, 1; U25a, 1; U26a, 1; U32b, 1; U33b, 2; U34b, 1; U35b, 2; U39a, 1; U40b, 2.

Planorbis carinatus O.F. Müller, 1774 – PD: U'96^{IV} – NR: K02b, 1, c, 5; K05c, 1; K13b, 1, c, 5; K15c, 1; K16c, 2.

Planorbis planorbis (Linnaeus, 1758) – PD: H'99^V/05^{VII}, K'97^{IV}, Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{III,IV}/05^{VII}, U'89-97^{III}/96^{IV}/97^{IV}/99^V – NR: E01a, 1, c, 1; H02c, 5; H03a, 7, b, 11; H10a, 4, b, 4; H11a, 4; H12a, 5; H13b, 4, c, 5; H14b, 2; K01b, 4; K02a, 1, b, 2; K03a, 2; K04b, 1; K06a, 1, b, 2; K09b, 1; K12b, 2; K13a, 14, c, 2; K15a, 7, b, 8, c, 4; K17b, 1; K18b, 2, c, 1; K19b, 3; L02a, 1; M01a, 1; M02a, 1; M03a, 2; M04a, 4; M05a, 3; M06a, 1; M08a, 1; M11a, 1; S01a, 4, b, 10; S03b, 8; S05b, 3; S06a, 5, b, 2; S07b, 16; S08a, 7; S09b, 10; S10a, 1; S12a, 7; S14b, 2, c, 7; S15b, 6, c, 6; S16b, 3; S18c, 9; S19b, 11; S21b, 2, c, 2; S22c, 3; S26a, 1; S28a, 3; T01a, 1; T03a, 1, b, 1, c, 2; T06b, 1, c, 1; T09b, 1; U02a, 3; U03a, 4; U04a, 9; U05a, 5; U07a, 12; U08a, 5; U09a, 2, b, 1; U10a, 1, b, 1; U11a, 8; U12a, 1; U17a, 2; U18a, 3; U21a, 1; U29a, 4; U35b, 7.

Segmentina nitida (O.F. Müller, 1774) – PD: K'97^{IV}, Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{III,IV}/05^{VII}, U'89-97^{III}/96^{IV}/97^{IV}/99^V – NR: E06a, 3, b, 1; H11a, 2; H13b, 1, c, 3; K01b, 17; K02a, 5, b, 3, c, 17; K03a, 2, b, 9; K04b, 1, c, 3; K10b, 1; K13a, 7, b, 1, c, 1; K15a, 3, b, 1; M01a, 12; M02a, 7; M04a, 2; M05a, 1; M06a, 11; M07a, 1; M08a, 6; S01a, 12, b, 3; S03b, 4; S04a, 1; S06a, 29, b, 3; S07b, 2; S08a, 10; S09b, 10; S10a, 1; S11a, 1; S14b, 2; S15b, 1, c, 4; S18c, 6; S22c, 3; S23a, 3; S25a, 1; S26a, 3; S28a, 3; S29a, 1, b, 1; U02a, 1; U03a, 4, b, 2; U08a, 5; U09b, 2; U10a, 5; U11a, 2; U12a, 2; U18a, 11; U19b, 3; U21a, 3; U23a, 1; U27a, 1; U28a, 1; U29a, 1; U33b, 1, c, 3; U34b, 5; U35b, 6.

SUCCINEIDAE

Oxyloma elegans (Risso 1826) – NR: U33b, 4; U39b, 1.

Succinea putris (Linnaeus, 1758) – NR: E01a, 3, b, 2, c, 1; E02c, 1; E05a, 1, b, 1; E06a, 1, b, 1; E07a, 2, c, 2; H02b, 1; H03a, 2, b, 1; H04b, 1; H05b, 2; H06a, 1, b, 1, c, 2; H07b, 2; H08b, 2, c, 2; H09a, 3, b, 1; H10a, 1, b, 4; H11a, 1, b, 4; H12b, 5, c, 1; H13b, 1; K02a, 1, b, 1, c, 3; K03a, 2, c, 1; K04b, 5, c, 5; K05a, 2, b, 2, c, 3; K06c, 1; K07b, 2; K09b, 9, c, 2; K10b, 2; K12a, 2, b, 3; K13a, 2; K15c, 3; K16b, 5, c, 1; K18b, 5; K19b, 2; K20b, 2, c, 3; L04a, 1; L06a, 2; S06a, 1; S08a, 2; S21b, 1; S26a, 1; S27a, 1; S28a, 2; T03a, 2; T06a, 1, c, 2; T07b, 1; T12b, 1; U09b, 2; U11a, 1; U12a, 1; U23a, 1; U27a, 1; U29a, 1; U39b, 1.

BIVALVIA
CORBICULIDAE

Corbicula fluminea (O.F. Müller, 1774) – NR: H01a, 1.

SPHAERIIDAE

Musculium lacustre (O. F. Müller, 1774) – NR: E06b, 1; E07a, 1, b, 1; H08b, 1; K08b, 1; K12b, 1; M01a, 1; M02a, 1; M03a, 1; M04a, 1; M05a, 5; M06a, 6; M08a, 1; M11a, 5; M12b, 2; S01a, 8; S06a, 61, b, 2; S08a, 18; S27a, 1; S28a, 3.

Pisidium obtusale (Lamarck, 1818) – NR: S01a, 1; U27a, 1.

Pisidium casertanum (Poli, 1791) – NR: E03a, 2.

Pisidium nitidum Jenyns, 1832 – NR: E04a, 2.

Pisidium subtruncatum Malm, 1855 – NR: E07a, 1, b, 1.

[*Sphaerium corneum* (Linnaeus 1758)] – PD: Határ-csatorna (Mezőgyán)'97^{IV}, E'97^{IV}, H'99^V, S'97^{III,IV}, U'89-97^{III}. – questionable records, see short notes on *S. nucleus*.

Sphaerium nucleus (S. Studer, 1820) – NR: H02c, 3; H04a, 6, b, 5; c, 6; H05b, 6, c, 3; H08c, 2; H14c, 1; K01b, 1; K04b, 1; K06a, 2, b, 6, c, 1; K09c, 1; K12a, 2; K15a, 21, b, 13, c, 50; S06a, 2; S28a, 7; S29a, 3, b, 7; T01a, 6, b, 3, c, 1; T05a, 1, b, 1; T06a, 7, b, 2, c, 1; T07a, 4, b, 6, c, 3; T08b, 3; U03a, 10; U04a, 1; U09a, 1; U10a, 2, b, 1; U11a, 7; U12a, 3; U18a, 3; U19b, 3; U21a, 5; U29a, 5; U35b, 2.

Sphaerium rivicola (Lamarck, 1818) – NR: K10b, 3.

UNIONIDAE

Anodonta anatina (Linnaeus, 1758) – PD: H'99^V/05^{VII} – NR: E06b, 1; H07a, 1, b, 11; H08b, 2; H11a, 3; K06a, 1, b, 1; K10b, 1; K12a, 2, b, 1; K18b, 2; K19b, 2; T01b, 3; T02a, 1, b, 1; T03a, 1; T06a, 1, c, 1; T12b, 2.

Anodonta cygnea (Linnaeus, 1758) – NR: E03c, 1; H07b, 6, c, 5; H08c, 1; K03c, 1; K06a, 1; K10c, 1; T09b, 1.

Sinanodonta woodiana (Lea, 1834) – PD: H'99^V/05^{VII} – S13b, 1; T12a, 1.

Unio pictorum (Linnaeus, 1758) – PD: H'99^V – NR: E09b, 1; H04a, 1, c, 1; H05c, 1; H06b, 1; H07a, 1, b, 1, c, 2; H08b, 2.

Unio tumidus Philipson, 1788 – PD: H'99^V – NR: E09b, 1; H05b, 1; H06a, 1; H07a, 1, c, 1; H10b, 1.

ARTHROPODA

CRUSTACEA (Identified by Péter Mauchart)

ASELLIDAE

Asellus aquaticus (Linnaeus, 1758) – PD: H'05^{VIII}, S'05^{VIII} – NR: E01a, 6, b, 12, c, 14; E02a, 11, b, 11, c, 15; E03a, 12, b, 17; c, 13; E04a, 1; E05a, 7, b, 11, c, 7; E06a, 5, b, 10, c, 9; E07a, 9, b, 15, c, 9; E08c, 1; H01a, 1, c, 11; H03a, 9; H04a, 3, b, 29, c, 12; H05b, 6, c, 8; H06a, 28, b, 16, c, 12; H07a, 3, b, 1; H08a, 29, c, 15; H09a, 22, b, 13, c, 12; H10a, 19, b, 5, c, 3; H11a, 24, b, 8, c, 3; H12a, 27, b, 9, c, 2; H13b, 27, c, 12; H14b, 23, c, 8; K01b, 6, c, 22; K02a, 14, b, 1, c, 23; K03a, 11, b, 12, c, 23; K04b, 18, c, 21; K05b, 19, c, 6; K06a, 24, b, 4, c, 11; K07b, 11, c, 9; K08b, 5, c, 12; K09b, 7, c, 4; K10b, 6, c, 3; K11b, 7, c, 41; K12a, 17, b, 7, c, 13; K13a, 24, b, 5, c, 29; K14a, 14, b, 4; K15a, 20, b, 32, c, 20; K16b, 8, c, 5; K18b, 3, c, 6; K19b, 5, c, 2; K20b, 8, c, 12; K21b, 5; L02a, 2; L03a, 10; L04a, 5; L06a, 15, b, 5; L07b, 2; L08a, 6, b, 14; L09a, 8, b, 6; M01a, 10; M02a, 15; M03a, 5; M04a, 8; M05a, 4; M06a, 7; M08a, 8; M10b, 3; M11a, 11, b, 2; M12b, 3; S01a, 14; S04a, 1; S05c, 1; S06a, 42, b, 3; S07b, 6, c, 1; S08a, 20; S09b, 12; S10a, 8; S11a, 12; S12a, 7; S14c, 13; S15b, 1, c, 14; S16b, 1, c, 3; S18c, 10; S19b, 2, c, 2; S21b, 3, c, 1; S22c, 12; S24a, 2; S25a, 4; S26a, 18; S27a, 16; S28a, 11; S29a, 6, b, 5; S30a, 7; T01a, 48, b, 12, c, 11; T02a, 17, b, 8, c, 5; T03a, 27, b, 6, c, 8; T04a, 13, b, 4, c, 1; T05a, 16, b, 3, c, 1; T06a, 11, b, 19, c, 4; T07c, 10; T08b, 6; T09a, 7, b, 5, c, 4; T10a, 6, b, 6; T11a, 3, b, 10, c, 5; T12a, 12, b, 14, c, 3; T13a, 5, b, 7; T14b, 10, c, 1; U02a, 19; U03a, 16; U04a, 11; U05a, 8; U07a, 5; U08a, 7; U09a, 13, b, 3; U10a, 4, b, 2; U11a, 35; U12a, 7; U13a, 2; U14a, 1; U15a, 7; U16a, 14, b, 2, c, 2; U18a, 4; U19a, 4; U20a, 3; U21a, 3; U22a, 1; U23a, 2; U24a, 1; U25a, 6; U26a, 1; U27a, 13;

U28a, 8; U29a, 4; U33b, 1, c, 2; U34b, 1; U35b, 3; U37b, 2; U38b, 2; U39a, 2, b, 1; U40b, 1, c, 1.

Proasellus pribenicensis Flasarova, 1977 – NR: E01b, 1; E03b, 2, c, 2; E05b, 1; E07c, 1; H04b, 1; H10c, 1; H11c, 2; H14b, 2; K01c, 2; K02c, 6; K03c, 2; K04c, 2; K05b, 1, c, 2; K06a, 3, b, 12; K07b, 2; K08b, 9, c, 3; K09b, 4, c, 8; K11c, 6; K12b, 7, c, 6; K13c, 7; K14b, 3; K15b, 2; K18b, 1; K19c, 4; K20b, 1; L01a, 6; L06b, 1; L08a, 1, b, 1; S05c, 1; S06a, 4; S08a, 1; S15b, 5, c, 2; S18c, 3; S19c, 3; S21b, 1; S22b, 1, c, 1; S23a, 6; S24a, 3; S25a, 3; S26a, 2; S27a, 1; S28a, 1; S29a, 2; T01c, 1; T02c, 2; T03c, 2; T04b, 1; T06c, 2; T09b, 1; T12b, 1, c, 1; U02a, 1; U09b, 1; U10b, 3; U16a, 1, b, 1; U18a, 2; U27a, 1.

NIPHARGIDAE

Niphargus hrabei S. Karaman, 1932 – NR: H04b, 1; H05c, 3; H08a, 1; H10a, 1; H11a, 1; H14b, 1; K01c, 1; K02c, 8; K03a, 1, b, 1; K04c, 2; K05a, 1, c, 1; K06b, 2; K08b, 1; K09b, 1; K11c, 1; K13b, 1; K16b, 1; K17b, 4; K18b, 1; K19b, 1; K20b, 2; L09a, 1; S02a, 1; S04a, 3; S06a, 1; S08a, 12; S09b, 3; S10a, 2, b, 1; S11a, 4; S14b, 2; S16b, 1; S22b, 1; S23a, 3; S27a, 3; S29b, 4; S30a, 2; T12a, 1; U11a, 2; U8a, 2.

[*Niphargus mediodanubialis* Dudich, 1941] – PD: H'05^{VIII}, S'05^{VIII} – Recently, the species is regarded as taxon with uncertain taxonomic status, a possible synonym of *N. valachicus* (BALÁZS and ANGYAL 2013). Data may refer to either *N. valachicus* or *N. hrabei*.

Niphargus valachicus Doboreanu et Manolache, 1933 – NR: E01a, 49, b, 17, c, 13; E02a, 1, b, 6, c, 7; E03a, 26, b, 12, c, 15; E04a, 1; E05a, 1, b, 7, c, 3; E06a, 1, b, 3, c, 5; E07a, 6, b, 7, c, 4; H02c, 9; H03a, 4, b, 13; H05b, 2; H06a, 2, b, 11, c, 13; H07c, 1; H08a, 10, c, 14; H09a, 6, b, 7; H10a, 1, b, 1; H11a, 2, b, 4; H12a, 4, b, 4, c, 1; H13b, 5; H14b, 16, c, 4; K01b, 10, c, 5; K02a, 4, b, 4, c, 22; K03a, 3, b, 34, c, 4; K04b, 19, c, 7; K05b, 10, c, 2; K06b, 3; K07b, 10, c, 1; K09b, 17, c, 3; K10c, 5; K11c, 6; K12a, 2, b, 1, c, 2; K13a, 2, b, 3, c, 18; K15a, 7, b, 11, c, 11; K16b, 9, c, 1; K17b, 5; K18b, 2; K19b, 2; K20b, 4, c, 5; M01a, 4; M03a, 2; M04a, 1; M05a, 6; M06a, 12; M08a, 5; M11a, 8; S01a, 3; S04a, 1; S06a, 4, b, 4; S07b, 3; S08a, 3; S09b, 6; S10a, 5; S11a, 10; S12a, 9; S15b, 2; S18b, 1, c, 3; S22c, 1; S26a, 6; S27a, 3; S28a, 3; S29b, 10; S30a, 1; T01a, 13, b, 12, c, 6; T02a, 1, b, 1, c, 4; T03a, 1, b, 4, c, 1; T04a, 2, b, 2, c, 7; T05b, 3; T06a, 5, b, 7, c, 8; T08b, 5; T09b, 3, c, 4; T10b, 1; T11a, 2, b, 3, c, 4; T12a, 3, b, 5, c, 4; T13b, 2; T14b, 6, c, 3; U02a, 1; U03a, 12; U04a, 3; U07a, 4; U08a, 4; U09a, 1, b, 6; U10a, 1, b, 2; U11a, 12, a, 7; U12a, 6; U14a, 1; U15a, 1; U16b, 4, c, 2; U18a, 4; U19a, 2, b, 3; U20a, 2; U22a, 1; U23a, 1; U25a, 1; U26a, 2; U28a, 1; U29a, 6; U33b, 1; U35b, 1; U38b, 1; U39a, 1, b, 2.

CRANGONYCTIDAE

Synurella ambulans (F.Müller, 1846) – PD: H'05^{VIII}, S'05^{VIII} – NR: E01a, 4, c, 1; E02a, 14, c, 2; E03a, 1; E04a, 9; E05a, 1; E06a, 1, c, 1; E07a, 1; H03a, 4; H09a, 2; H12a, 9; H13b, 4; K01c, 2; K02a, 15, c, 10; K03a, 3, c, 8; K04c, 6; K05c, 1; K08c, 1; K13a, 23, c, 10; K14a, 1; K15a, 11; K20c, 2; L03a, 1; L04a, 4; L06a, 3; L08a, 1; M01a, 21; M02a, 9; M03a, 7; M04a, 9; M05a, 9; M06a, 1; M08a, 7; M11a, 7; S01a, 18; S02a, 1; S04a, 2; S06a, 12; S08a, 13; S10a, 3; S11a, 2; S12a, 5; S26a, 15; S27a, 6; S28a, 6; S29a, 1; S30a, 2; T01a, 4; T02a, 1; T04a, 2; T05a, 3; T06a, 2; T10a, 2; T11a, 1; T13a, 1; U02a, 3; U03a, 7; U04a, 7; U07a, 12; U08a, 6; U09a, 7; U10a, 2; U11a, 35; U12a, 10; U13a, 3; U14a, 3; U15a, 9; U16a, 9; U18a, 7; U20a, 12; U21a, 6; U22a, 1; U23a, 1; U24a, 2; U25a, 7; U26a, 2; U27a, 14; U28a, 5; U29a, 7; U39a, 2.

ARANEAE (Identified by collectors)

CYBAEIDAE

Argyroneta aquatica (Clerck, 1757) – NR: E01b, 1, c, 1; E03c, 2; E04a, 1; E05b, 1, c, 1; E06a, 1, b, 1; E07a, 1; H12a, 1; H14b, 2; K02c, 1; K03b, 2; K05c, 1; K06b, 1; K07c, 1; K09b, 1; K15b, 2; L01a, 1; L04a, 1; M08a, 1; M11a, 1; S09b, 1; S15b, 1, c, 1; S16c, 2; S24a, 1; S27a, 1; T06a, 1, c, 2; T08b, 1; T09b, 1; T10b, 2; T11b, 1; T12c, 3; T14c, 1; U01a, 1; U02a, 1; U03a, 1; U04a, 1; U09a, 1; U10a, 1; U22a, 1; U35b, 1; U39a, 1.

INSECTA
EPHEMEROPTERA (Identified by Csaba Deák)
BAETIDAE

Baetis buceratus Eaton, 1870 – NR: H04c, 2.

Baetis nexus Navás, 1918 – NR: K06a, 3; K10b, 2; K12a, 15; K18b, 2; K19b, 1; S29a, 21, b, 5; U16b, 1.

Baetis tracheatus Keffermuller et Machel, 1967 – NR: E01b, 2.

Baetis vernus Curtis, 1834 – NR: T10a, 1.

Cloeon dipterum (Linnaeus, 1761) – PD: H'05^{XII}, S'05^{XII}, U'97^{XIII} – NR: E01a, 8, b, 12, c, 1; E02a, 6, b, 8, c, 4; E03a, 7, b, 5, c, 2; E04a, 11; E05a, 11, c, 1; E06a, 6, b, 6, c, 1; E07a, 18, b, 12, c, 5; E08b, 7; E09b, 5; H01a, 3, b, 4, c, 1; H03a, 4, b, 11; H04a, 2, b, 21, c, 2; H05b, 23, c, 3; H06a, 8, b, 18, c, 7; H07a, 1, b, 11, c, 5; H08a, 2, b, 2, c, 11; H09a, 16, b, 7, c, 7; H10a, 16, b, 8, c, 5; H11a, 11, b, 18; H12a, 11, b, 23, c, 2; H13b, 2; H14b, 13; K01b, 2, c, 15; K02a, 14; K03a, 22, c, 3; K04b, 4, c, 4; K05a, 3, b, 7; K06a, 5, b, 43, c, 3; K07b, 41, c, 8; K08b, 23, c, 3; K09b, 15, c, 4; K10b, 27, c, 1; K11b, 35, c, 2; K12a, 8, b, 5; K15a, 4, b, 6, c, 1; K16b, 4; K18b, 22, c, 3; K19b, 47, c, 4; K20b, 9; K21b, 1; L04a, 4; L06a, 11, b, 10; L07b, 1; L08a, 7, b, 5; L09a, 5, b, 4; M01a, 5; M02a, 1; M03a, 3; M04a, 4; M05a, 2; M06a, 7; M07a, 10; M08a, 9; M10b, 2; M11a, 5, b, 2; M12b, 7; S01b, 15, b, 19; S05b, 27, c, 5; S06b, 7; S07b, 34, c, 9; S09b, 29; S10b, 21, c, 7; S14b, 26, c, 11; S15b, 23, c, 4; S16b, 17, c, 5; S18b, 13, c, 8; S19b, 28, c, 7; S21b, 19, c, 8; S22b, 37, c, 8; S30a, 11; T01a, 19, b, 12, c, 4; T02c, 5; T03a, 17, b, 2, c, 3; T04a, 3, c, 3; T05a, 4, b, 2; T06a, 7, b, 9, c, 5; T07b, 9, c, 5; T08b, 19; T09b, 3, c, 1; T10b, 8; T11a, 6, b, 13, c, 7; T12a, 7, b, 8, c, 1; T13b, 5; T14a, 16, b, 14; U02a, 25; U03a, 11; U09a, 13, b, 1; U10a, 6; U19a, 11, b, 5; U26a, 4; U31b, 16; U33b, 2; U34b, 7; U35b, 7; U36b, 1; U38b, 8; U40b, 1; U41b, 10.

CAENIDAE

Caenis horaria (Linnaeus, 1758) – NR: E09b, 2; K19b, 1; T01a, 2; T05a, 2; T06a, 1; T09a, 1; T11a, 2; T12a, 1; U02a, 2.

Caenis luctuosa (Burmeister, 1839) – NR: E08c, 1.

Caenis robusta Eaton, 1884 – PD: H'05^{XII}, S'05^{XII}, U'97^{XIII} – NR: E01b, 2; E02b, 1, c, 1; E03b, 2; E07b, 2, c, 1; H03b, 2; H09b, 7; H10b, 1; H12b, 8, c, 1; H14b, 1; K06b, 1; K07b, 2; K08b, 1; L07b, 1; L08b, 3; M12b, 1; T01b, 2; T04b, 1; T05b, 1; T06a, 1, b, 3; T07b, 3; T08b, 3; T11b, 7, c, 1; T12b, 3; U10b, 1; U34b, 1; U38b, 1; U40b, 1.

EPHEMERIDAE

Ephemera vulgata Linnaeus, 1758 – NR: E01a, 1; E02a, 3, c, 3; E03a, 2; E05a, 2; E06a, 2; E07a, 2, c, 1; E08b, 3, c, 10; E09b, 1, c, 2; K10b, 3; K12a, 1; K18b, 1; T01c, 2.

LEPTOPHLEBIIDAE

Paraleptophlebia wernerii Ulmer, 1920 – NR: H03a, 4.

ODONATA (Identified by Anna Farkas and Arnold Móra)

CALOPTERYGIDAE

Calopteryx splendens (Harris, 1782) – PD: Határ-csatorna (Mezőgyán) '97^{XIX}, H'99^V/01^{XVI}, tótápláló csatorna, Lesitánya (Biharugra) '96^{XX}, U'01^{XVI} – NR: E02c, 1L; E06b, 1i; E07a, 2L, b, 1i, c, 2L; E08b, 1i; E09b, 4i; H01b, 2i; H04a, 3L, b, 8i, c, 1L; H05b, 1L+1i, c, 4L+4i; H06a, 1L; H07a, 1L; H12b, 1i; K06a, 7L, b, 2i; K07b, 2i; K09b, 2i, c, 1L; K10b, 14L+20i, c, 6L; K12a, 2L; K18b, 3L+7i, c, 1L; K19b, 2i, c, 3L; K20c, 1L; L09b, 2i; S29a, 3L, b, 2L; T01a, 7L, b, 12i, c, 2L; T02a, 6L; T03a, 2L, b, 1i, c, 3L; T04c, 1L; T12a, 1L; U16b, 1L, c, 1L; U31b, 1i.

LESTIDAE

Lestes barbarus (Fabricius 1798) – PD: S'96^{IV,XIX,XX}/97^{IV,XIX}.

Lestes sponsa (Hansemann, 1823) – PD: Sár-réti-csatorna (Biharugra) '96^{IV,XIX}, S'96^{IV,XIX,XX}, U'96^{IV,XIX,XX} – NR: U41b, 1i.

Lestes virens (Charpentier, 1825) – PD: S'96^{IV,XIX,XX}.

Lestes viridis (Vander Linden, 1825) – NR: U09c, 2i.

Lestes viridis/parvidens – NR: E03b, 1L; K15b, 22e.

Sympecma fusca (Van der Linden, 1820) – PD: Határ-csatorna (Mezőgyán) '97^{IV}, Sár-réti-csatorna (Biharugra) '96^{IV,XIX}, S'96^{IV,XIX}, U'96^{IV,XIX,XX} – NR: E03b, 3L; E06b, 3L, c, 1i; E07b, 11L; E08b, 2L; E09b, 4L; H02b, 1L; H03b, 4L; H08b, 1L; H14c, 1i; L08b, 1L; M01a, 1i, M02a, 1i; T01b, 1L; T13b, 6L; U39a, 1i.

COENAGRIONIDAE

Coenagrion puella (Linnaeus, 1758) – PD: H'99^V/01^{XVI}, S'96^{IV,XIX}/97^{XIX}, U'97^{XIX} – NR: E02a, 2L, c, 2L; E03a, 6L, b, 6i; E04a, 4L; E05a, 7L, c, 1L; E06a, 8L; E07a, 3L, b, 1L+1i; H02c, 2L; H04c, 1L; H07a, 1L; H08a, 9L, b, 3i; H09a, 3L, b, 2i, c, 1L; H10b, 2i; H11a, 1L; H12a, 4L; K03a, 4L; K04b, 1i, c, 1L; K06a, 2L, c, 2L; K11c, 1L; K12a, 3L; K15a, 14L, b, 3i, c, 6L; K16a, 9L, b, 3i, c, 4L; K20c, 2L; L09b, 2i; S05c, 1L; S14c, 1L; S15c, 4L; S16c, 3L; S18c, 6L; S19c, 2L; S22c, 2L; S30a, 2L; T01a, 7L, b, 2i; T02a, 3L; T03a, 5L, c, 2L; T04c, 1L; T05a, 6L, c, 1L; T06a, 1L, b, 1i, c, 2L; T09a, 1L; T10a, 1L; T11a, 1L; T12a, 1L; U02a, 2L; U10a, 5L; U31a, 1L.

Coenagrion pulchellum (Vander Linden, 1825) – PD: H'99^V/05^{XVIII}, K'97^{IV}, S'96^{IV}/97^{IV,XIX}/05^{XVIII}, U'96^{XX}/97^{IV,XIX} – NR: E01a, 3L, b, 1L+2i, c, 7L; E02a, 1L, c, 9L; E03a, 2L, b, 4i, c, 2L; E04a, 1L; E05a, 3L; E06a, 1L, c, 2L; E07a, 6L; H01b, 1i; H08a, 4L; H09a, 2L; H10a, 1L; H11c, 1L; H12c, 1L; K04b, 2i; K15a, 2L, c, 1L; S30a, 3L; T01a, 9L, b, 4i, c, 2L; T03a, 2L; T07a, 2L, c, 1L; T09a, 2L, c, 1L; T11a, 1L, b, 2L; U19a, 1L.

Coenagrion puella/pulchellum – NR: E07a, 1L; H11c, 3L; H14c, 3L; K15a, 1L, b, 2e, c, 2L; S30a, 1L; T01a, 1L, c, 3L; T02c, 1L; T03c, 3L; T06c, 1L; T07b, 1L; T11c, 2L; U09a, 1L; U39a, 1L; U40b, 1L.

Erythromma lindenii (Selys, 1840) – NR: E07b, 1i; H01a, 3L, b, 40i; H04a, 1L.

Erythromma najas (Hansemann, 1823) – NR: S16c, 1L; U31b, 1i.

Erythromma viridulum (Charpentier, 1840) – PD: Határ-csatorna (Mezőgyán) '97^{IV,XIX}, U'96^{IV,XIX,XX} – NR: E01b, 1L; E03b, 1L; E06b, 3L; E07b, 14L, c, 3L; E08b, 5L; E09b, 4L; H01b, 2i; H04b, 3L+3i; H06b, 4L; H07b, 16L; H08b, 2L; H09b, 4L+3i; H10b, 15L; H11b, 13L; H12b, 12L+1i; H14b, 3L; K01b, 2i; K04b, 1i; K05b, 7i; K06b, 2i; K07b, 2i; K08b, 2i; K09b, 7i; K20b, 6i; L09b, 3i; S18b, 2i; S19b, 3i; S20b, 1i; S22b, 1i; T01b, 5L; T03b, 1L; T05b, 4L; T06b, 5L+1i; T07b, 9L; T08b, 6L; T11b, 10L+1; T12b, 2L; T13b, 5L; T14b, 3L; U19b, 1i; U31b, 1i; U34b, 1i; U38b, 1i.

Ischnura elegans (Vander Linden, 1820) – PD: Határ-csatorna (Mezőgyán) '97^{IV,XIX}, E'97^{IV,XIX}, H'99^V/01^{XVI}, Sár-réti-csatorna (Biharugra) '96^{IV,XIX}, S'96^{IV,XIX,XX}/97^{IV}, tóáplálós csatorna, Lesitánya (Biharugra) '96^{XX}, U'96^{IV,XIX,XX}/97^{IV,XIX}/99^V – NR: E01a, 2L, b, 4L+1i, c, 1L; E02a, 5L, b, 3L, c, 3L; E03b, 4L+2i; E05a, 1L, b, 2L+2i, c, 1L; E06a, 2L, b, 10L+3i, c, 3L; E07a, 3L, b, 10L+3i, c, 20L+1i; E08b, 21L+1i, c, 13L+1i; E09b, 7L, c, 4L+1i; H01a, 2L, b, 3i, c, 2L; H03b, 5L+1i; H04a, 9L, b, 5L+1i, c, 13L; H05b, 5L+4i, c, 6L; H06a, 8L, b, 1i, c, 9L; H07b, 1L, c, 9L+1i; H08a, 3L, b, 9L+1i; H09a, 10L, b, 5L+2i, c, 8L; H10a, 24L, b, 4L+2i, c, 7L; H11a, 21L, b, 7L+6i, c, 11L+2i; H12a, 7L, b, 12L+2i, c, 15L+5i; H14b, 1L, c, 1i; K01b, 2i; K05a, 1L, c, 3L; K06a, 42L, b, 25L+3i, c, 14L; K07b, 34L+3i, c, 8L; K08b, 1L+3i, c, 1L; K09b, 4i+12L, c, 4L; K10b, 4L+5i, c, 9L; K11b, 12L+6i, c, 1L; K12a, 2L, b, 6L+2i; K16a, 12L; K18b, 1L+3i, c, 3L; K19b, 22L+2i, c, 5L; K20b, 11L+2i, c, 2L; L06b, 9L; L07b, 2L; L08b, 13L, c, 4L; L09b, 16L+3i, c, 7L+1i; S01b, 3i; S05b, 4i, c, 3L; S06b, 1L; S07c, 1L; S10b, 1i, c, 8L; S14b, 1i, c, 8L; S15c, 1L; S16c, 13L; S18b, 1i, c, 11L; S19b, 2i, c, 13L; S21b, 3i, c, 6L; S22b, 2i, c, 11L; T01a, 3L, b, 1L, c, 1L+2i; T02a, 6L, b, 2L, c, 1L; T03a, 5L, b, 5L, c, 2L; T04a, 2L, b, 6L; T05a, 7L; T06a, 15L, b, 8L+3i, c, 5L+3i; T07a, 4L, b, 5L, c, 8L+1i; T08b, 4L; T09a, 1L, b, 2L, c, 10L+2i; T10a, 3L, b, 1L; T11a, 11L, b, 6L, c, 7L+2i; T12a, 5L, b, 9L, c, 14L; T13a, 4L; T14b, 1L, c, 4L; U30a, 1L; U31a, 6L, b, 1L+1i, c, 2L.

Ischnura pumilio (Charpentier, 1825) – PD: S'96^{IV,XIX,XX}/97^{IV,XIX} – NR: U31b, 13L.

PLATYCNEPIDIDAE

Platycnemis pennipes (Pallas, 1771) – PD: Határ-csatorna (Mezőgyán) '97^{IV,XIX}, H'01^{XVI}, S'97^{IV,XIX}, tóáplálós csatorna, Lesitánya (Biharugra) '96^{XX}, – NR: E01a, 1L, b, 3L+2i; E02a, 1L, b, 2L, c, 1L; E03b, 7L+4i; E04a, 1L; E05b, 2i; E06b, 2L+2i; E07a, 1L, b, 4L+2i, c, 1L+8i; E08b, 3L+2i, c, 8L; E09b, 2i, c, 2L; H01b, 8i; H02b, 2i; H03b, 1i; H04a, 2L, b, 2L, c, 2L; H05b, 2L+1i, c, 3L; H06a, 7L, b, 2L, c, 1L; H07b, 3i, c, 1L; H09b, 2i, c, 1L; H10a, 1L, b, 2i, c,

1L; H11a, 2L, b, 3L, c, 2L+4i; H12b, 1L+1i, c, 1L; H14b, 1L; K04b, 2i; K06b, 20i; K07b, 8i; K09b, 3i; K10b, 5L+6i, c, 6L; K11b, 9i; K12a, 5L; K18b, 5L+11i; K19b, 4L+7i; K20b, 4i, c, 1L; L09c, 1L; M10b, 1i; T01a, 2L, b, 2L+12i; T02a, 20L, b, 10L+3i, c, 6L; T03a, 11L, b, 5L+5i, c, 4L; T04a, 12L, b, 5L+3i, c, 5L; T05a, 1i; T06b, 3L+6i; T07a, 1L, c, 1L; T14b, 1e; U31b 1L+1i.

AESHNIDAE

Aeshna affinis Vander Linden, 1820 – PD: S'96^{IV,XIX} – NR: H10b, 1i; K02b, 10i; K03b, 5i; K06b, 1L; K07b, 1L; K09b, 1L; K16b, 1L; K17b, 2i; M04b, 2i; S14b, 1i; S15b, 1i; S18b, 1L+1i; U09b, 2i; U19b, 1L.

Aeshna isosceles (Müller, 1767) – PD: H'99^{V/05^{XVIII}}, Sár-réti-csatorna (Biharugra)'96^{IV,XIX}, S'97^{IV,XIX/05^{XVIII}}, U'96^{IV,XIX,XX/97^{IV,XIX/99^V}} – NR: E01a, 2L, c, 2L; E02a, 3L, c, 5L; E03b, 2i; E05a, 3L, c, 3L; E07a, 1L, c, 3L; H01b, 2i; H06a, 1L; H11c, 2L; H13c, 1L; H14c, 1L; K05c, 1L; K06c, 1L; K08b, 1i; K11c, 3L; K18c, 1L; K20c, 3L; M08a, 2L; M10b, 1i; M11a, 1L; S05c, 1L; S07b, 3L; S10c, 3L; S15c, 1L; S16b, 1i, c, 1L; S18b, 1i, c, 1L; S19c, 2L; S20b, 1i; S21c, 1L; S22b, 1i, c, 1L; T01a, 1L, b, 1i; T03c, 1L; T05c, 1L; T06a, 1L, b, 1i, c, 3L; T07a, 3L; T09c, 5L; T11a, 3L; T12a, 2L, c, 2L; U09a, 7L, b, 3L, c, 2L; U10b, 6L; U19b, 8L; U33b, 17L; U34b, 2L; U35b, 1L; U39a, 1L, b, 6L; U40b, 3L.

Aeshna mixta Latreille, 1805 – PD: U'96^{IV,XIX} – NR: E01c, 2i; E02b, 2L; E03b, 1L, c, 1i; E05b, 3L, c, 2i; E07b, 2L, c, 1i; E09b, 1L, c, 1i; H03b, 1L; H12c, 2i; H13c, 2i; H14b, 1L, c, 2i; K08c, 1i; K09c, 1i; K20c, 1i; L09c, 1i; S10c, 1i; T01c, 2i; T02c, 2i; T09c, 1i.

Anax imperator Leach, 1815 – PD: H'05^{XVIII}, S'96^{IV,XX/97^{IV,XIX}}, U'96^{IV,XIX,XX/97^{XIX}} – NR: E01a, 1L, c, 2L; E02a, 3L, c, 1L; E07a, 1L, c, 1L; E08c, 5L; E09c, 3L; H01a, 1L, b, 1i, c, 2L; H03b, 1i; H04a, 2L, c, 3L; H05c, 2L; H06c, 1L; H07c, 2L; H08a, 1L; H09a, 3L, b, 1e, c, 2L; H10a, 3L, c, 1L; H11a, 7L, c, 7L; H12a, 3L, c, 6L; K05c, 1L; K06b, 8L, c, 1L; K07b, 7L, c, 4L; K08b, 1L; K09b, 6L, c, 3L; K11b, 1L, c, 2L; K16a, 1L; K19b, 1i, c, 2L; K20b, 1L, c, 5L; L08b, 1i; L09b, 1i, c, 1L; S03b, 1L; S05b, 1L; S07b, 2L; S14b, 1i; S16b, 1i; S18b, 1i; S19b, 1L+2i; S20b, 1i; S22b, 1L+1i; T01a, 2L, b, 1L; T03c, 2L; T04c, 1L; T05a, 1L, c, 2L; T06a, 3L, b, 1i, c, 3L; T07a, 1L, b, 1i, c, 2L; T09c, 1L; T11a, 1L, c, 6L; T12a, 1e, b, 1L, c, 1L; T14c, 2L; U31b, 1L, c, 1L.

Anax parthenope (Selys, 1839) – PD: H'05^{XVIII}, U'96^{XX} – NR: H01b, 1i; S16c, 1L.

Brachytron pratense (Müller, 1764) – PD: S'97^{IV,XIX}, U'96^{XX/97^{IV,XIX/99^{V/01^{XVI}}}} – NR: E03c, 3L; E07c, 1L; H02c, 1L; H14b, 1L; K15c, 1L; S01a, 1L, b, 1L; S05b, 1L; S07b, 2L; T01c, 1L; T03c, 1L; T04c, 1L; T06a, 1L; U01a, 2L; U11a, 4L; U12a, 3L; U15a, 1L; U22a, 1L.

CORDULIIDAE

Cordulia aenea (Linnaeus, 1758) – NR: E05a, 2L.

LIBELLULIDAE

Crocothemis erythraea (Brullé, 1832) – PD: S'97^{IV,XIX}, U'96^{IV,XIX,XX} – NR: E03b, 1i; E08c, 1L; H11c, 2i; K18b, 1i; S07c, 1L; S18b, 2i; S19b, 2i; S22b, 1i; T06b, 2i; U19b, 1i, b, 1L+2i.

Leucorrhinia pectoralis (Charpentier, 1825) – PD: U'97^{IV,XIX/99^V} – NR: U19b, 1L.

Libellula depressa Linnaeus, 1758 – PD: U'99^V – NR: H03b, 1L.

Libellula fulva Müller, 1764 – PD: U'97^{IV,XIX/99^V} – NR: E01a, 3L, b, 1L; E02a, 7L; E03a, 2L; E05a, 8L, b, 11L, c, 1L; E06a, 4L, b, 3L; E07a, 1L; H01b, 1i; H08c, 1L; K06c, 4L; K09c, 3L; K10b, 2L, c, 1L; K12a, 1L; K15c, 1L; K18b, 1L; K19b, 1L; K20c, 1L; T01b, 1L+1i, c, 2L; T02a, 3L, b, 4L, c, 5L; T03b, 3L, c, 3L; T04a, 2L, b, 2L+1i, c, 3L; T06a, 2L, b, 2i; T09a, 1L; T10a, 1L; T12a, 1L, c, 1L; U16b, 2L.

Libellula quadrimaculata Linnaeus, 1758 – PD: U'99^V – NR: S10c, 1L; U20a, 1L.

Orthetrum albistylum (Selys, 1848) – PD: Határ-csatorna (Mezőgyán)'97^{IV}, H'01^{XVI}, S'96^{IV,XIX,XX/97^{IV}}, U'96^{XX} – NR: E03a, 2L; E07b, 1L; E08b, 1L, c, 3L; E09b, 1L, c, 1L; H01a, 3L, b, 3i; H03b, 2i; H04a, 6L, b, 2L+2i, c, 3L; H05b, 1L, c, 13L; H06a, 1L, b, 4L, c, 5L; H07a, 1L, c, 8L; H08a, 2L; H09a, 2L, b, 1L+1i; H10c, 1L; H11c, 2L; K05b, 1i; K06a, 1L, b, 1i; K08b, 1i; K12a, 1L; K19b, 2i; L08b, 1i, c, 1L; L09b, 6i, c, 5L; T01b, 1L; T02b, 1i; T05b, 1L; T06b, 4L+2i; T07a, 1L, b, 1L; T09c, 4L; T12c, 1L; U17a, 1L.

Orthetrum coerulescens (Fabricius, 1798) – NR: K10b, 3i; K18b, 3i.

Sympetrum depressiusculum (Selys 1841) – PD: S'97^{IV,XIX}.

Sympetrum meridionale (Selys, 1841) – PD: Sár-réti-csatorna (Biharugra)'96^{IV,XIX}, S'96^{IV,XIX}, U'96^{XX} – NR: E05b, 1L; K11b, 1i; L08b, 5L.

Sympetrum sanguineum (Müller, 1764) – PD: Sár-réti-csatorna (Biharugra)'96^{IV,XIX}, S'96^{IV,XIX,XX}/97^{IV,XIX}, tótlapló csatorna, Lesitanya (Biharugra)'96^{XX}, U'96^{IV,XIX,XX} – NR: E03b, 1L; E05b, 2L; E06c, 2i; E07b, 1L, c, 1i; H08b, 1L; H11c, 1i; H13c, 1i; K02b, 1i; K03b, 8i; K04b, 1i; K07b, 1i; K08b, 1i; K15b, 2e+4i; K16b, 2i; K17b, 5i; K19b, 2i; L06b, 1L; L07b, 1L; L08b, 7L; L09b, 2L; S15b, 2i; T02c, 1i; U09b, 1i; U11b, 1i; U15b, 1i, c, 1i; U38b, 1i.

Sympetrum striolatum (Charpentier, 1840) – PD: S'97^{IV,XIX}, U'96^{XX} – NR: E01b, 6L; E02b, 3L; E03b, 11L; E05b, 2L; E07b, 5L; H03b, 1L; K08c, 7i; K18c, 1i; K20c, 2i; L08b, 4L; T01b, 1L.

Sympetrum vulgatum (Linnaeus, 1758) – PD: H'01^{XVI}, S'96^{XX}/97^{IV,XIX}, U'96^{XX} – NR: E01b, 7L; E09c, 1i; H03b, 2L; H14b, 1L; K16b, 1L; K17b, 1i; K20b, 1L.

HETEROPTERA (Identified by Pál Boda)

NEPIDAE

Ranatra linearis (Linnaeus, 1758) – PD: H'99^{V,X}, S'97^{IV,X}, U'96^{IV,X} – NR: E01a, 1, b, 1; E02a, 1, b, 1, c, 1; E03a, 1, b, 1; E07a, 1, b, 1, c, 1; E08b, 3, c, 1; E09b, 1; H01c, 1; H03b, 2; H04a, 1, b, 1; H05b, 1, c, 1; H06b, 1, c, 1; H07b, 2, c, 1; H08a, 1, b, 2; H09b, 1; H10a, 1, b, 2; H11a, 1, b, 2, c, 1; H12a, 2, b, 1, c, 1; H13b, 1; H14b, 1, c, 1; K05c, 1; K06a, 1, b, 5; K07b, 6, c, 1; K08b, 1; K09b, 3, c, 1; K10b, 2, c, 1; K11b, 1, c, 2; K12a, 1, b, 2, c, 1; K13c, 1; K15a, 1, c, 3; K18b, 3, c, 2; K19c, 2; K20b, 1, c, 1; L06a, 1, b, 1; L07b, 1; L08a, 1, b, 6, c, 1; L09b, 8, c, 1; S03b, 1; S05b, 1; S07b, 3; S09b, 3; S10b, 1, c, 1; S14b, 2; S15b, 1, c, 2; S19b, 2, c, 1; S22b, 1, c, 4; T01a, 9, b, 1; T02a, 1; T03a, 1, b, 1, c, 2; T04a, 2; T05a, 1; T06a, 1, c, 1; T07a, 1, b, 1; T08b, 8; T09b, 1, c, 1; T11a, 1, b, 1, c, 1; T12a, 1, c, 2; T13b, 2; T14b, 1; U17a, 1; U31a, 1, b, 2; U33b, 1; U38b, 1.

Nepa cinerea Linnaeus, 1758 – PD: H'99^{V,X}, E'97^{IV,X}, S'97^{IV,X} – NR: E01a, 1, b, 1, c, 2; E02a, 1, b, 2, c, 1; E03b, 2; E05b, 2, c, 1; E06a, 1, c, 1; E07a, 1, b, 2, c, 1; E08b, 1, c, 1; E09b, 1, c, 1; H01c, 1; H02b, 2; H03b, 2; H04a, 1, b, 2; H05b, 1, c, 1; H06a, 2, b, 4, c, 1; H07b, 2; H08a, 1, b, 1; H09a, 1, b, 8, c, 1; H10a, 1, b, 1; H11a, 1, b, 1; H12a, 2, b, 5, c, 1; H14b, 3; K01b, 1, c, 2; K02c, 1; K03a, 1, b, 3, c, 8; K04b, 2, c, 6; K05a, 1, b, 6, c, 2; K06b, 1, c, 1; K07b, 8, c, 2; K08b, 1; K09b, 2, c, 4; K10b, 4, c, 3; K11b, 2, c, 1; K12a, 1, b, 2, c, 3; K13b, 1, c, 3; K14a, 1, b, 1; K15a, 1, b, 3, c, 6; K16b, 1; K17b, 2; K18c, 1; K19b, 4, c, 1; K20b, 2, c, 1; L01a, 1; L08b, 6, c, 1; L09b, 8; M08a, 1; S01b, 1; S29b, 9; S30a, 2; T01a, 2, b, 1, c, 1; T02a, 1, c, 1; T03a, 1, b, 2, c, 1; T04a, 1; T05a, 3, b, 1; T06a, 2, b, 2, c, 1; T07b, 1; T08b, 3; T09a, 1, b, 1, c, 1; T10b, 1; T11a, 1, b, 1, c, 2; T12a, 1, c, 1; T13b, 1; T14b, 2, c, 1; U02a, 1; U08a, 1; U09a, 2; U15a, 1; U16a, 1, b, 1; U17a, 1; U35b, 1; U38b, 1.

CORIXIDAE

Micronecta scholtzi (Fieber, 1860) – PD: E'97^{IV,X} – NR: E08b, 26; E09b, 14; H01c, 11; H03b, 1; H04b, 2; H05b, 1; H06c, 1; H07b, 1, c, 2; H11b, 2; H12b, 1, c, 6; H13b, 14; K06b, 15; K07b, 1; K11b, 1; U31b, 6.

Callicorixa praeusta (Fieber, 1848) – NR: H13b, 1.

Corixa affinis Leach, 1817 – NR: T01b, 1.

Corixa punctata (Illiger, 1807) – PD: S'97^{IV,X} – NR: E07b, 1, c, 1; H13b, 1, c, 1; K01c, 5; K05c, 1; K06c, 1; K07c, 1; K19b, 1; L06b, 1; M07b, 1; S07b, 1.

Cymatia coleoptrata (Fabricius, 1777) – PD: S'97^{IV,X}, U'96^{IV,X}/97^{IV,X}/99^{V,X} – NR: H12b, 4; U03b, 1; U09a, 2; U10a, 2; U19a, 1, b, 2.

Cymatia rogenhoferi (Fieber, 1864) – NR: U19b, 1.

Hesperocorixa linnaei (Fieber, 1848) – PD: S'97^{IV,X}/05^{XI}, U'99^{V,X} – NR: E01a, 2; E02b, 1; E03a, 1, b, 2; E06b, 4, c, 8; E07a, 4, b, 2; H01a, 2; H02b, 1, c, 1; H06b, 1; H07b, 3; H08b, 1; H09b, 2; H11b, 1; H12b, 1, c, 1; H13b, 1; H14b, 2; K01b, 34, c, 24; K02a, 1, c, 16; K03c, 1; K05b, 12, c, 1; K06b, 12, c, 1; K07b, 18, c, 2; K08b, 3; K09b, 8, c, 8; K10b, 3, c, 10; K11b, 3, c, 1; K12b, 1; K13c, 11; K18b, 6, c, 12; K19b, 1, c, 10; K20b, 1, c, 17; K21b, 14; L02a, 1; L03a, 1; L04a, 2; L06a, 2, b, 7; L07b, 1; L08a, 3; L09b, 1, c, 1; M05a, 1; M06a, 1; M08a, 2; M10b, 1; S01b, 8; S03b, 5; S04a, 3; S05b, 14, c, 7; S06a, 2; S07b, 12, c, 6; S09b, 14; S12a, 4; S14b, 6, c, 10; S15b, 11, c, 8; S16b, 1, c, 3; S18b, 2, c, 11; S19b, 3, c, 4; S21b, 2; S22b, 4, c, 5; S23a, 1; S24a, 3; S27a, 2; S28a, 4; T01a, 2, b, 6, c, 1; T05b, 5, c, 3;

T06b, 1; T07c, 1; T08b, 2; T09b, 14, c, 8; T10b, 3; T11b, 15, c, 1; T12b, 44; T13b, 5; T14b, 6; U02a, 19; U03a, 2; U04a, 2; U07a, 1; U09a, 1; U19a, 1, b, 1; U20a, 6; U31c, 3; U34b, 1; U36b, 21; U38b, 1; U39a, 1.

Paracorixa concinna (Fieber, 1848) – NR: H12c, 1; M11b, 2.

Sigara falleni (Fieber, 1848) – PD: S'96^{IV,X}/97^{IV,X}, U'96^{IV,X} – NR: E02b, 1, c, 2; E03a, 2, b, 1; E07b, 1, c, 3; E08b, 2; E09b, 4; H01b, 1, c, 6; H04b, 2, c, 1; H05b, 1; H07b, 1, c, 1; H12b, 1, c, 2; K05c, 6; K06b, 1, c, 4; K07b, 15, c, 2; K10c, 1; K11c, 1; K18c, 3; K19b, 6, c, 18; K20c, 13; L05b, 4; L06b, 6; L08b, 1, c, 1; L09b, 2, c, 2; M07b, 1; M10b, 2; S03b, 4; S05b, 3, c, 10; S06b, 2; S07c, 1; S10a, 1, b, 1, c, 8; S11a, 1; S14b, 2; S15c, 4; S16c, 1; S17c, 1; S19b, 1; S20c, 4; S21b, 5; S22b, 3; S28a, 1; T01c, 1; T06b, 5; T07c, 1; T08b, 2; T09c, 1; T10b, 3; T12b, 2; T13b, 1; T14b, 9, c, 1; U31b, 1; U36b, 2.

Sigara lateralis (Leach, 1818) – PD: S'96^{IV,X}/97^{IV,X} – NR: E03c, 1; E07b, 2; H01c, 2; H03b, 1; H04c, 4; H05c, 1; H06c, 3; H07b, 1, c, 13; H12c, 3; K06b, 6; K15c, 1; K19c, 2; K20c, 1; K21b, 3; L05b, 41; L06a, 1, b, 3; L08c, 1; L09b, 3; M01a, 5; M03a, 1; M07b, 12; M08b, 5; M10b, 9; M11a, 7, b, 37; M12b, 12; S05b, 1; S06b, 15; T06b, 1; U07a, 3; U28a, 1; U36b, 3; U42b, 9.

Sigara limitata (Fieber, 1848) – NR: K04c, 1; S30a, 1; U36b, 1.

Sigara nigrolineata (Fieber, 1848) – NR: U41b, 3.

Sigara striata (Linnaeus, 1758) – PD: S'97^{IV,X}, U'96^{IV,X}/97^{IV,X} – NR: E02c, 1; E03b, 2; E07b, 1, c, 8; E08b, 4; E09b, 4; H01c, 5; H02b, 7; H03b, 5; H04c, 1; H07c, 1; H08b, 1; H09b, 1; H10b, 1; H11b, 3, c, 3; H12b, 2; H13b, 1; K05b, 1, c, 2; K06b, 1; K07b, 5; K10c, 1; K11b, 1; K12b, 1; K13c, 1; K15b, 1; K20c, 5; L03a, 2; L04a, 2; L05b, 14; L06a, 3, b, 4; L08a, 1, b, 1; L09b, 3, c, 1; M07b, 13; M08b, 2; M10b, 9; M11b, 6; M12b, 23; S03b, 6; S05b, 6, c, 1; S07c, 2; S08a, 1; S10b, 1, c, 7; S11a, 1; S14c, 1; S15c, 1; S16b, 5, c, 5; S19b, 3, c, 4; S21c, 3; S22b, 1, c, 2; T01b, 1; T05b, 5; T06b, 4, c, 1; T07b, 1; T09c, 3; T10b, 6; T12b, 1; T13b, 11; T14b, 8, c, 1; U19b, 1; U31b, 1; U36b, 8; U38b, 4.

NAUCORIDAE

Ilyocoris cimicoides (Linnaeus, 1758) – PD: E'97^{IV,X}, H'99^{V,X}/05^{XI}, K'97^{IV,X}, Sár-réti-csatorna (Biharugra)'96^{IV}, S'96^{IV,X}/97^{IV,X}/05^{XI}, U'96^{IV,X}/97^{IV,X} – NR: E01a, 2, b, 2, c, 1; E02a, 1, b, 4, c, 1; E03a, 1, b, 2, c, 2; E05a, 1, b, 1, c, 1; E06a, 1, c, 1; E07a, 1, b, 3, c, 2; E08b, 1, c, 1; E09b, 4, c, 2; H01a, 1; H02b, 3, c, 2; H03a, 1, b, 1; H04a, 1, b, 4, c, 1; H05b, 1; H06b, 2, c, 1; H07a, 1, b, 2; H08a, 1, b, 1, c, 2; H09a, 1, b, 3; H10a, 1, b, 4; H11a, 3, b, 4, c, 2; H12a, 2, b, 2, c, 2; H13b, 4, c, 2; H14b, 2, c, 2; K01b, 9, c, 5; K02a, 2, b, 12, c, 4; K03a, 1, b, 7, c, 3; K04b, 8, c, 6; K05a, 1, b, 5, c, 4; K06a, 1, b, 3, c, 3; K07b, 6, c, 5; K08b, 10, c, 1; K09b, 4, c, 4; K10b, 11, c, 1; K11b, 1, c, 4; K12b, 1, c, 3; K13a, 3, b, 8, c, 3; K15a, 1, b, 7, c, 2; K16b, 9, c, 1; K17b, 3; K18b, 4, c, 3; K19b, 7, c, 1; K20b, 5, c, 6; L03a, 2; L04a, 1; L05b, 1; L06a, 1, b, 1; L07b, 2; L08a, 1, b, 1, c, 1; L09b, 1, c, 1; M04a, 1; M05a, 1; M07a, 2, b, 1; M08a, 2; M10b, 1; M11a, 2; M12b, 1; S01b, 8; S03b, 8; S05b, 1; S06b, 4; S09b, 2; S11a, 1; S14b, 1, c, 1; S15b, 1, c, 1; S16b, 1, c, 1; S17b, 1; S18b, 1, c, 1; S19b, 2, c, 1; S21b, 1; S22c, 1; S30a, 1; T01a, 3, b, 4, c, 4; T02a, 1, b, 2, c, 1; T03a, 2, b, 5, c, 3; T04a, 1, b, 1; T05a, 2, b, 3, c, 1; T06a, 1, b, 2, c, 1; T07a, 3, b, 4, c, 2; T08b, 2; T09a, 1, c, 1; T10a, 1, b, 3; T11a, 2, b, 7, c, 2; T12a, 1, b, 1; T13a, 1, b, 7; T14b, 6, c, 2; U01a, 1; U02a, 2; U03a, 1, b, 1; U04a, 5; U05a, 1; U07a, 5; U08a, 1; U09a, 4, b, 1; U10a, 2, b, 1; U11a, 3; U12a, 3; U14a, 1; U15a, 4; U17a, 2; U18a, 1; U19a, 1, b, 3; U20a, 1; U25a, 1; U26a, 1; U27a, 1; U28a, 1; U31a, 1, b, 1; U33b, 2; U34b, 3; U35b, 2; U38b, 1; U39a, 1, b, 1; U40b, 2.

NOTONECTIDAE

Anisops sardeus Herrich-Schäffer, 1849 – NR: H07c, 1; L08c, 2; S06b, 4; S10c, 2; S14b, 2, c, 1; S16c, 6; S19b, 1, c, 1; S21b, 2; S22b, 2.

Notonecta glauca Linnaeus, 1758 – PD: H'99^{V,X}, Sár-réti-csatorna (Biharugra)'96^{IV}, S'97^{IV,X}/05^{XI}, U'97^{IV,X} – NR: E01a, 1, c, 3; E02a, 1, b, 2, c, 5; E03a, 4, b, 5, c, 6; E05c, 6; E06a, 1, b, 1; E07a, 2, b, 3, c, 9; E08c, 5; E09b, 1, c, 2; H02b, 1, c, 1; H03a, 1, b, 7; H04b, 1; H05b, 1; H07b, 2, c, 1; H08a, 3, b, 2, c, 9; H10a, 2; H11b, 3; H12a, 4, b, 2, c, 1; H13b, 1; H14b, 3, c, 1; K01b, 4, c, 6; K02a, 1, c, 2; K03a, 2, b, 4, c, 6; K04b, 3, c, 5; K05b, 6, c, 5; K06b, 10, c, 5; K07b, 11, c, 12; K08b, 4, c, 3; K09b, 7, c, 7; K10b, 3, c, 15; K11b, 11, c, 13; K12b, 8, c, 12; K13c, 3; K15a, 8, b, 13, c, 15; K16b, 5, c, 3; K17b, 2; K18b, 8, c, 18; K19b,

10, c, 9; K20b, 4, c, 8; K21b, 2; L02a, 1; L03a, 1; L06a, 2, b, 6; L07b, 1; L08b, 3; L09b, 1; M02a, 1; M05a, 1; M06a, 2; S01b, 1; S05c, 5; S07b, 2, c, 9; S09b, 2; S14c, 4; S15c, 5; S16c, 1; S22c, 2; S23a, 1; S29b, 1; S30a, 2; T01b, 1, c, 3; T02a, 3, b, 2; T03a, 9, c, 7; T04b, 1; T06a, 2, c, 2; T07b, 1, c, 1; T08b, 1; T09a, 1, b, 1; T12a, 1, c, 1; T13a, 1; T14b, 2; U02a, 1; U04a, 2; U05a, 3; U07a, 7; U09a, 2, c, 2; U14a, 1; U19a, 1; U20a, 1; U31b, 3; U35b, 7; U36b, 3; U38b, 4; U41b, 3.

Notonecta lutea Müller, 1776 – NR: K15b, 6; U33b, 1; U34b, 2.

Notonecta viridis Delcourt, 1909 – NR: E02b, 1; E05c, 1; E06c, 1; K01c, 1; K04b, 1, c, 1; K05b, 1; K06b, 1; K07c, 1; K10b, 1; K11b, 1; K12b, 2, c, 1; K13c, 1; K16c, 1; K18c, 1; K20b, 1; L09b, 1; T03c, 1.

PLEIDAE

Plea minutissima Leach, 1817 – PD: Határ-csatorna (Mezőgyán)'97^{IV,X}, H'99^{V,X}/05^{XI}, K'97^{IV,X}, S'96^{IV,X}/97^{IV,X}/05^{XI}, U'97^{IV,X}/99^{V,X} – NR: E01a, 3, b, 1, c, 2; E02a, 1; E03b, 1, c, 3; E05a, 4; E06a, 2, b, 1, c, 3; E07a, 7, b, 5, c, 2; E08b, 4, c, 1; E09b, 3, c, 3; H01b, 1; H02b, 1; H03b, 5; H04a, 1, b, 4; H05b, 2, c, 1; H06a, 1; H07b, 8, c, 1; H08b, 3; H09a, 4, b, 7, c, 5; H10a, 5, b, 6, c, 1; H11a, 4, b, 4, c, 6; H12a, 10, b, 11, c, 6; H13b, 7, c, 9; H14b, 2, c, 2; K01b, 1; K02c, 1; K05c, 1; K06b, 3, c, 1; K07b, 4, c, 1; K08c, 1; K09c, 2; K10b, 1, c, 1; K11b, 4, c, 1; K13b, 9, c, 15; K18b, 1; K19b, 1, c, 1; K20b, 3; L02a, 1; L03a, 7; L04a, 2; L05b, 2; L06b, 2; L07b, 1; L08b, 2; L09b, 2, c, 1; M04a, 4; M05a, 6; M06a, 2; M07a, 2; M08a, 3; M11a, 4, b, 1; S01a, 2, b, 1; S03b, 26; S05b, 13; S06a, 1, b, 1; S07b, 3, c, 1; S09b, 2; S10b, 1; S14b, 2; S15b, 1; S16b, 3; S18b, 1, c, 1; S19b, 3; S21b, 1; S22b, 5; T01b, 3; T05a, 6, b, 5; T06a, 2, b, 4, c, 5; T07a, 1, b, 14, c, 3; T08b, 6; T09c, 1; T11a, 1, b, 4, c, 4; T12b, 3; T13b, 3; T14b, 6, c, 4; U02a, 4; U03a, 1, b, 2; U04a, 1; U09a, 3; U10a, 2; U19b, 3; U26a, 1; U30a, 1; U31b, 1, c, 2; U33b, 4; U34b, 3; U35b, 5; U38b, 1; U40b, 1.

MESOVELIIDAE

Mesovelgia furcata Mulsant et Rey, 1852 – PD: H'99^{V,X}, S'97^{IV,X}, U'97^{IV,X} – NR: E03c, 4; E07c, 2; H07c, 1; H09b, 1; K15b, 2; K19b, 2; S22b, 2; T01c, 3; T06c, 1; T07b, 3, c, 1; T08b, 2; T12b, 1; U03b, 1; U09b, 1; U19b, 1.

Mesovelgia thermalis Horváth, 1915 – NR: E01c, 1; E03c, 4; E06c, 2; E08c, 1; E09c, 1; H03b, 2; H04b, 2, c, 2; H05c, 1; H09c, 1; H10c, 2; H11c, 4; H12c, 2; H13c, 7; H14b, 1, c, 1; K01b, 1; K03b, 4; K04b, 5; K12b, 2; K16b, 5; K19b, 1; K20b, 1; S05b, 1; S16b, 1; T05b, 2; T06b, 1, c, 1; T07b, 1; T11c, 2.

HYDROMETRIDAE

Hydrometra gracilenta Horváth, 1899 – PD: H'99^{V,X}, U'97^{IV,X}/99^{V,X} – NR: E01a, 1, c, 5; E02c, 1; E08c, 1; E09b, 2; H02b, 2, c, 1; H03a, 2; H04a, 1; H05b, 1; H06a, 3, b, 1; H07a, 1, b, 1; H08a, 10, b, 3, c, 1; H09a, 3, b, 5; H10a, 5; H11a, 1, b, 2; H12a, 1, c, 3; H14b, 5; K02a, 3; K04b, 3; K05a, 1, c, 4; K06b, 3; K07b, 2, c, 2; K09b, 2, c, 5; K10b, 2, c, 1; K12b, 2, c, 2; K15a, 1; K18b, 1; K19b, 1; K20b, 2, c, 1; S12a, 1; T01b, 1; T03c, 1; T04a, 1, c, 1; T12b, 2; U09a, 3; U10a, 6, b, 4; U11a, 2; U33b, 3; U39a, 1; U40b, 1.

Hydrometra stagnorum (Linnaeus, 1758) – NR: T02b, 1, c, 1; T03b, 4; T04b, 1, c, 2.

HEBRIDAE

Hebrus pusillus (Fallen, 1807) – PD: H'99^{V,X}, S'97^{IV,X} – NR: E02a, 1; H03a, 1; H06a, 1; H12a, 3; H13b, 1, c, 1; L02a, 1; M05a, 1; M06a, 1; T01a, 1; T07b, 1; T11c, 1; U33b, 8.

VELIIDAE

Microvelia buenoi Drake, 1920 – PD: U'99^{V,X}, S'97^{IV,X}, U'97^{IV,X} – NR: L09b, 1; M11a, 1; U10b, 1; U35b, 1.

Microvelia pygmaea (Dufour, 1833) – NR: E05c, 4; E06b, 1; E08c, 1; H08c, 1; H10b, 3; H12c, 2; K10c, 2; T01c, 3; T02c, 3; T03b, 6, c, 6; T07b, 1; T09b, 1.

Microvelia reticulata (Burmeister, 1835) – PD: H'99^{V,X}, U'99^{V,X}, S'97^{IV,X}, U'97^{IV,X} – NR: E02a, 1; E03a, 2, b, 1; E06a, 1, c, 1; E07b, 1, c, 6; E08b, 10, c, 12; E09b, 1, c, 2; H03b, 2; H05c, 1; H06a, 1, c, 4; H08a, 1, b, 1, c, 1; H09a, 2, b, 2; H10b, 1; H11b, 4; H12b, 4, c, 9; K02c, 1; K06a, 3; K07b, 2; K09c, 1; K10c, 1; K11b, 1; K12c, 1; L03a, 3; L04a, 1; L05b, 1; L06a, 1, b, 1; L08c, 1; L09b, 2, c, 7; M01a, 3; M03a, 2; M05a, 5; M06a, 7; M11a, 3; M12b, 1; S01b, 4;

S03b, 2; S05b, 3; S07b, 7; S09b, 1; S18b, 1, c, 6; S19b, 1, c, 1; S21b, 8; S22b, 1; T01a, 2, b, 1; T03b, 1; T06c, 1; T07b, 1; T08b, 2; T10b, 1; T11b, 1; T12b, 1; T13b, 3; T14b, 1; U03a, 6, b, 7; U04a, 7; U07a, 1; U09a, 2; U10a, 2, b, 1; U19b, 4; U20a, 2; U30a, 1; U31a, 1; U33b, 3; U34b, 2; U35b, 3; U37b, 1; U38b, 1; U40b, 2.

GERRIDAE

Gerris argentatus Schummel, 1832 – PD: H'99^{V,X}/05^{XI}, S'97^{IV,X}, U'97^{IV,X} – NR: E01a, 2; E02a, 4, b, 1; E03a, 8, b, 1; E05a, 2, c, 2; E06a, 5, b, 1; E07a, 9, b, 3, c, 4; E08b, 1, c, 11; E09b, 4, c, 1; H01a, 2, b, 1, c, 1; H02b, 4, c, 2; H03a, 6, b, 1; H04a, 11, b, 3; H05b, 1, c, 3; H06a, 4, b, 3, c, 2; H07b, 3, c, 4; H09a, 1; H10a, 19, b, 4, c, 3; H11a, 6, b, 2, c, 5; H12a, 4, b, 2, c, 6; H13b, 1; H14b, 4; K03a, 4; K05a, 2, b, 1; K06a, 1, b, 5, c, 1; K07b, 11, c, 5; K08b, 1, c, 1; K18b, 1, c, 4; K19b, 7, c, 2; K20b, 1, c, 7; L03a, 2; L08a, 2, b, 1; L09a, 2, b, 1, c, 2; S01b, 2; S05b, 2; S07b, 3; S09b, 1; S19b, 3; S21b, 1; T01a, 12, b, 5, c, 4; T02a, 4, b, 6; T03a, 2, b, 9, c, 2; T04c, 1; T05a, 2, b, 2; T06a, 1, b, 4, c, 4; T07b, 5, c, 1; T08b, 5; T09a, 12, b, 7; T11a, 1, c, 1; T12a, 2, b, 2, c, 10; T13a, 2, b, 2; U01a, 5; U03a, 4, b, 2; U04a, 2; U05a, 3; U06a, 5; U07a, 8; U08a, 1; U09a, 1; U10a, 3, b, 1; U11a, 2; U12a, 3; U15a, 4; U17a, 1; U18a, 1; U19b, 4; U26a, 3; U28a, 5; U29a, 2; U35b, 1; U38b, 5.

Gerris asper (Fieber, 1860) – NR: E07a, 1; H03a, 1; K04b, 6; K05a, 1, b, 3, c, 2; K13a, 1; K14a, 1; K16b, 1; M02a, 1; S01a, 1; T01a, 1; T02a, 2; T10a, 1; U02a, 2; U03a, 1; U05a, 7; U06a, 3; U07a, 1; U08a, 1; U09a, 3; U10a, 3; U11a, 10; U12a, 2; U15a, 3; U25a, 2; U29a, 1; U39a, 1.

Gerris lacustris (Linnaeus, 1758) – PD: H'99^{V,X}, U'99^{V,X} – NR: E02a, 2, b, 2, c, 2; E03b, 5; E08b, 2; E09b, 1; H02c, 3; H03a, 1; H04b, 1; H09b, 1; H12a, 2; H14b, 1; K03a, 1; K05a, 7, b, 1, c, 1; K06b, 6; K09b, 1; K12b, 1; K14a, 3; K15a, 8, b, 10, c, 1; K16b, 8; K17b, 1; K19b, 1; L08a, 2; S14c, 1; T01a, 2, b, 5; T02a, 2, b, 5, c, 5; T03a, 3, b, 4, c, 2; T04a, 1, b, 4, c, 2; T13b, 1.

Gerris odontogaster (Zetterstedt, 1828) – PD: H'05^{XI}, S'96^{IV,X}/97^{IV,X}, U'96^{IV,X}/97^{IV,X}/99^{V,X} – NR: E01a, 1; E03a, 5; E06a, 2; E07a, 4, b, 2, c, 1; E08c, 1; H03a, 9; H06a, 1, b, 1; H07a, 2, b, 1; H10a, 2; H12b, 1; H14b, 2; K07b, 2; K13a, 1; L02a, 1; L03a, 1; L04a, 1; L06a, 8, b, 2; L08a, 4; M01a, 5; M02a, 4; M03a, 1; M04a, 3; M05a, 3; M08a, 6; M11a, 1; S03b, 1; S05b, 1; S06b, 1; S09b, 1; S12a, 1; S15b, 2; S18c, 1; S22b, 1, c, 2; S25a, 1; T05a, 1; T06c, 1; T07b, 1; T13b, 1; T14b, 41; U01a, 1; U02a, 3; U03a, 2, b, 2; U04a, 4; U05a, 5; U06a, 2; U07a, 5; U11a, 2; U19a, 6, b, 3; U20a, 7; U22a, 1; U26a, 2; U35b, 2.

Gerris thoracicus Schummel, 1832 – NR: H03a, 1; L02a, 1; L03a, 4; M01a, 1; U28a, 3.

Aquarius najas (De Geer 1773) – NR: T03b, 1.

Aquarius paludum Fabricius, 1794 – PD: H'99^{V,X} – NR: E02a, 2, b, 1, c, 3; E07b, 4, c, 3; E08b, 3, c, 8; E09b, 2; H03a, 2; H04a, 3, b, 7; H05b, 4, c, 1; H06c, 2; H07a, 2, b, 3, c, 3; H08b, 3, c, 4; H09b, 1; H10a, 2, c, 5; H11b, 3, c, 2; H12b, 6, c, 3; K05b, 2; K06c, 3; K10b, 6, c, 1; K11b, 2; K12b, 6; K18c, 1; K19c, 1; L08b, 1, c, 5; L09b, 1, c, 1; T01a, 2, b, 6, c, 1; T02a, 1, b, 4, c, 11; T03b, 3, c, 4; T04c, 1; T05b, 5; T12c, 4; T14b, 1; U31b, 1.

COLEOPTERA

HALIPLIDAE (Identified by András Kálmán and Zoltán Csabai)

Haliphus fluviatilis Aubé, 1836 – PD: H'01^I, U'01^I – NR: E02a, 1, b, 1, c, 4; E03a, 8, b, 1, c, 12; E05a, 3; E06a, 1; E07a, 1, b, 4, c, 7; E08b, 5, c, 1; E09b, 2; H01b, 1, c, 12; H02c, 6; H04a, 2, b, 6, c, 4; H05b, 2, c, 3; H07b, 5; H09b, 2, c, 2; H11b, 7, c, 2; H12b, 7, c, 2; H13c, 1; K05c, 2; K06b, 4, c, 2; K07c, 2; K08c, 1; K09c, 3; K11c, 2; K12b, 2; K19b, 3; L09c, 1; S18b, 1; T01b, 6, c, 11; T02c, 1; T03b, 1; T05a, 10, c, 1; T06a, 3, c, 3, c, 1; T08b, 2; T11b, 1; T14b, 6, c, 2; U31b, 1, c, 1; U38b, 1.

Haliphus fulvicollis Erichson, 1837 – NR: U09b, 2.

Haliphus furcatus Seidlitz, 1887 – PD: S'01^I, U'01^I – NR: E08b, 2; H02b, 1; H05b, 1; L02a, 3; M01a, 1; M03a, 4; M04a, 2; S23a, 3; S24a, 1; S25a, 3; S28a, 1.

Haliphus heydeni Wehncke, 1875 – NR: E03a, 1, c, 3; E05a, 1; E06c, 2; E07b, 3; H03a, 1; H05c, 2; H06b, 1; H07b, 5; H10b, 3; H11c, 1; H12b, 2, c, 1; H13b, 3; K06b, 1; K08c, 1; K10b, 1, c, 1; K11c, 2; K15b, 2; S15c, 1; S19b, 1; T01b, 1, c, 5; T06a, 2; T07b, 2; T10b, 2; T12c, 1; U11a, 1; U31b, 2, c, 2; U35b, 1; U36b, 2.

Haliphus immaculatus Gerhardt 1877 – PD: U'01^I – NR: E02b, 1; E07c, 1; K18c, 1.

Haliphus ruficollis (De Geer, 1774) – PD: H'05^{XIV} – NR: E01b, 1; E03a, 1, c, 1; E06c, 2; E07a, 1, b, 1, c, 2; E08c, 2; H01c, 2; H02b, 4; H03a, 1; H04c, 1; H09c, 1; H11c, 2; H12b, 2, c, 2; H13b, 3, c, 2; K01b, 1, c, 15; K02a, 2, c, 2; K04c, 1; K05c, 3; K06a, 2, b, 2, c, 1; K07b, 2, c, 2; K09b, 1; K11c, 2; K12c, 3; K13a, 9, c, 2; L08b, 1, c, 1; M04a, 1; T01b, 1, c, 5; T06b, 2; T07b, 5, c, 5; T08b, 3; T09c, 4; T11c, 2; T12b, 2; U02a, 2; U03a, 1; U05a, 1; U09b, 8; U11a, 1; U20a, 1; U35b, 4; U36b, 5; U38b, 2; U40b, 3.

Haliphus flavicollis Sturm, 1834 – NR: E03c, 5; E06a, 1; E08b, 1; H01c, 1; H07c, 1; K15b, 24.

Haliphus fulvus (Fabricius, 1801) – NR: H10a, 1; L08a, 2; T01a, 1.

Peltodytes caesus (Duftschmid, 1805) – PD: S'01^I, U'01^I – NR: H01a, 6, b, 3, c, 7; H02b, 1, c, 5; H03a, 6, b, 14; H04a, 3; H06a, 3, b, 1, c, 2; H07a, 1, b, 4; H08b, 1; H09a, 1, b, 1; H10a, 2, b, 1; H11a, 4, b, 7; H12a, 7, b, 7, c, 2; H13b, 4, c, 2; H14b, 2; L02a, 2; L03a, 1; L07b, 2; L08a, 3, b, 2; L09a, 3, b, 1; E01a, 5, b, 3, c, 1; E02a, 6, b, 2, c, 1; E03a, 5, b, 7, c, 3; E05c, 3; E06a, 3, b, 1, c, 1; E07a, 2, b, 6, c, 4; E08b, 3, c, 3; E09b, 1, c, 1; T01a, 3, b, 2, c, 1; T02a, 3; T03a, 3, b, 1; T04a, 3, c, 1; T05a, 3, b, 1, c, 3; T06a, 15, b, 4, c, 4; T07a, 1, b, 3, c, 4; T08b, 5; T09a, 1, c, 3; T10a, 1, b, 3; T11a, 1, b, 1, c, 2; T12a, 3, b, 1, c, 1; T13a, 1, b, 4; T14b, 3; M03a, 1; M05a, 5; M11a, 3; K01b, 5, c, 4; K02c, 1; K03c, 1; K04b, 1, c, 2; K05c, 4; K06b, 7, c, 18; K07b, 2, c, 3; K08c, 4; K09c, 1; K10b, 1, c, 1; K11b, 5, c, 11; K12c, 5; K13a, 1, b, 1, c, 2; K17b, 1; K18c, 1; K19b, 7, c, 1; K20c, 6; S01b, 5; S06a, 1, b, 1; S07b, 3; S09b, 2; S14c, 1; S22c, 1; S23a, 1; S27a, 1; S30a, 1; U02a, 1; U05a, 1; U07a, 2; U09a, 2, b, 6; U10a, 2; U11a, 2; U15a, 2; U25a, 1; U31a, 3, b, 1; U33b, 1; U38b, 2; U40b, 4.

DYTSICIDAE (Identified by Zoltán Csabai)

Liopterus haemorrhoidalis (Fabricius, 1787) – NR: E01a, 1, b, 3, c, 1; E02b, 1; E03b, 2; E05b, 1, c, 2; E06b, 1; E07b, 3; E08b, 1, c, 1; H02c, 1; H11c, 1; H13b, 3, c, 2; K01b, 4, c, 4; K02a, 1, b, 1; c, 8; K05b, 1; K06b, 1; K07b, 1; K09b, 3, c, 1; K13a, 10, b, 5, c, 3; K16b, 2; K18b, 1, c, 1; K20b, 2; L04a, 2; M06a, 1; S01a, 1; S04a, 2; S06b, 1; S12a, 1; S23a, 1; S26a, 3; T01b, 1; T02a, 1; T11b, 2; T12b, 1; U01a, 2; U03a, 1; U04a, 1; U07a, 2; U09b, 1; U11a, 2; U12a, 3; U17a, 1; U22a, 1.

Bidessus nasutus Sharp, 1887 – PD: S'01^I – NR: E05a, 1; E06a, 1; E07b, 1; H04a, 1; H10b, 1; H12a, 1; H13b, 4; K01b, 3, c, 2; K07b, 1; K12b, 1; L08a, 1; M07b, 1; M08a, 1; S03b, 2; S06b, 1; T08b, 1; U31b, 1; U36b, 3; U41b, 4.

Bidessus unistriatus (Goeze, 1777) – NR: H13b, 2; S01a, 1; S06b, 6; U07a, 1.

Hydroglyphus geminus (Fabricius, 1792) – PD: S'01^I, U'01^I – NR: E01a, 1, b, 3, c, 5; E03a, 4, c, 11; E05a, 1, c, 3; E06a, 6, c, 7; E07b, 9, c, 9; E08b, 2, c, 1; E09b, 1, c, 1; H01b, 1, c, 18; H02b, 1, c, 2; H03b, 1; H04a, 1, c, 3; H05c, 2; H06c, 4; H08b, 1, c, 5; H09a, 1, c, 2; H10a, 1, b, 1; H11b, 1, c, 6; H12a, 1, c, 10; H13b, 12, c, 10; H14c, 4; K01b, 5, c, 13; K02b, 1, c, 3; K03c, 1; K04c, 2; K05b, 1, c, 6; K06b, 1, c, 2; K07b, 10, c, 1; K08b, 2, c, 2; K09b, 2; K10b, 2, c, 6; K11b, 3, c, 4; K13b, 2, c, 26; K18b, 1, c, 1; K19b, 5; K20b, 12; K21b, 3; L01a, 1; L08b, 1, c, 5; L09c, 5; M01a, 2; M02a, 1; M03a, 2; M07b, 1; M10b, 8; M12b, 5; S03b, 3; S06b, 2; S22c, 1; T01a, 7, b, 2; T02a, 1, c, 1; T05a, 2, c, 3; T06a, 1, b, 1, c, 11; T07b, 4, c, 3; T08b, 4; T09a, 1, c, 6; T10b, 5; T11a, 1, b, 1, c, 4; T14c, 1; U04a, 4; U09a, 1, b, 2; U10a, 1; U17a, 5; U36b, 6; U38b, 1; U41b, 10; U42b, 1.

Graptodytes bilineatus (Sturm, 1835) – PD: S'01^I – NR: E01c, 1; E03a, 2, c, 1; E06a, 5, b, 1; E07a, 1, b, 8, c, 1; E08b, 1; E09b, 1; H03a, 10, b, 1; H06b, 1; H07b, 1; H08b, 3, c, 2; H09b, 2; H10b, 2; H11b, 1; H12a, 1, b, 1; H13b, 10, c, 5; H14b, 3; K01b, 1, c, 19; K02b, 2, c, 3; K03a, 1; K05b, 1; K06b, 2; K07b, 5, c, 3; K08b, 1; K09b, 2; K10b, 1; K11c, 3; K18b, 1; K19b, 2; L08a, 4, b, 1; M03a, 2; M04a, 5; M05a, 5; M06a, 4; S01a, 7; S04a, 4; S06b, 4; S23a, 6; S24a, 1; T01a, 2, b, 1; T05a, 2, b, 1; T06b, 2; T07b, 4, c, 1; T08b, 5; T09a, 1, b, 2, c, 1; T11b, 1, c, 7; T14b, 1, c, 1; U01a, 1; U03a, 1; U04a, 5; U05a, 2; U07a, 10; U09a, 3, b, 4; U11a, 7; U12a, 1; U14a, 1; U15a, 3; U17a, 2; U18a, 8; U21a, 5; U22a, 7; U24a, 1; U25a, 3; U35b, 2; U36b, 2.

Graptodytes granularis (Linnaeus, 1767) – NR: E07b, 2; S23a, 3; U06a, 1; U09b, 1; U27a, 1; U28a, 1.

Graptodytes pictus (Fabricius, 1787) – NR: E01b, 1; E05a, 1, b, 1, c, 4; E06a, 4, c, 3; E07b, 1; E08b, 1, c, 3; H03b, 1; H08b, 1; H12b, 2; K07b, 1; K12b, 1.

- Hydroporus angustatus*** Sturm, 1835 – PD: S'01¹, U'01¹ – NR: E01b, 3, c, 2; E02b, 1; E03c, 1; E05c, 1; E06c, 1; E07b, 6; H01c, 1; H03b, 1; H04c, 1; H05b, 2; H06c, 1; H07c, 1; H08b, 4, c, 1; H09b, 2, c, 1; H11a, 1; H12a, 4, c, 1; H13b, 14, c, 10; K01c, 3; K02b, 1, c, 1; K03a, 1, c, 1; K04b, 1, c, 1; K05b, 1; K06b, 2; K07b, 5, c, 1; K08b, 1; K11b, 2, c, 2; K13b, 1, c, 2; K15b, 3; K18b, 1; K19b, 2; L02a, 1; L06b, 1; L08b, 2, c, 1; M04a, 1; M06a, 6; M11a, 2; S01a, 16; S23a, 1; T01b, 5; T03c, 2; T05b, 1; T06b, 4, c, 1; T07b, 7, c, 2; T09b, 3, c, 3; T10b, 4; T12c, 1; T14b, 2, c, 4; U01a, 2; U03a, 9; U04a, 1; U05a, 2; U07a, 2; U08a, 1; U09a, 3; U11a, 10; U14a, 1; U18a, 3; U21a, 1; U24a, 1; U25a, 2; U27a, 1; U28a, 2; U29a, 8; U35b, 3.
- Hydroporus fuscipennis*** Schaum, 1868 – PD: S'01¹, U'01¹ – NR: M06a, 1; M08a, 1; S01a, 1; S23a, 3; S29a, 1; U02a, 1; U05a, 9; U07a, 8; U08a, 3; U09a, 1; U11a, 9; U12a, 2; U13a, 1; U15a, 1; U18a, 8; U21a, 9; U23a, 1; U24a, 4; U27a, 6; U29a, 4; U37b, 2.
- Hydroporus palustris*** (Linnaeus, 1761) – NR: E02b, 1; E03b, 1; E05b, 1; E06a, 1, b, 2, c, 1; E07b, 1; H02c, 1; H06b, 1; H08b, 5; H13b, 15; K03a, 1; K06b, 1; K15a, 1, b, 3, c, 3; K16b, 2; K18b, 1; K19b, 1; L08b, 1; T01a, 1, b, 1; T04b, 2; T08b, 3; T09b, 2; T11b, 2; T14c, 1; U09a, 2, b, 6; U15a, 3; U41b, 2.
- Hydroporus planus*** (Fabricius, 1781) – PD: S'01¹, U'01¹ – NR: E02b, 1; K02c, 1; K03c, 1; K04c, 7; K05a, 1, c, 1; K07c, 1; K10c, 1; K13c, 1; L01a, 1; M03a, 1; M06a, 1; T03b, 1; U01a, 1; U03a, 1; U04a, 1; U05a, 1; U07a, 9; U08a, 1; U11a, 9; U12a, 1; U14a, 4; U15a, 4; U17a, 1; U18a, 5; U21a, 2; U22a, 2; U23a, 2; U24a, 11; U25a, 1; U27a, 7; U28a, 6.
- Hydroporus scalesianus*** Stephens, 1828 – NR: U03a, 1; U09a, 1.
- Hydroporus striola*** (Gyllenhal, 1826) – PD: U'01¹ – NR: H10a, 1; K02b, 2; M02a, 1; M04a, 1; S02a, 3; S04a, 1; S23a, 3; U01a, 1; U05a, 1; U07a, 1; U08a, 2; U09a, 1, b, 6; U11a, 6; U12a, 1; U18a, 2; U21a, 4; U25a, 1; U27a, 2; U29a, 1; U40b, 1.
- Hydroporus tristis*** (Paykull, 1798) – NR: M04a, 1; M05a, 1; M06a, 1; S01a, 1; S02a, 2; U05a, 2; U08a, 2; U09b, 1; U12a, 5; U18a, 1; U22a, 2; U25a, 1.
- Porhydrus lineatus*** (Fabricius, 1775) – NR: H11c, 1; K02c, 2; K06b, 1, c, 1; K08b, 1; K20c, 1; S15c, 1; S18c, 1; S23a, 2; U03a, 1; U04a, 1; U05a, 1; U09b, 2; U17a, 1; U18a, 1; U31a, 1.
- Porhydrus obliquesignatus*** (Bielz, 1852) – NR: E01b, 5, c, 2; E02c, 1; E03a, 3, b, 4, c, 3; E05b, 2; E06a, 4, b, 1, c, 1; E07a, 1, b, 11, c, 6; H03b, 1; H08b, 3; H11a, 4, c, 1; H12a, 2; H13b, 19, c, 5; H14c, 1; K01c, 1; K02c, 2; K05c, 1; K06b, 2, c, 1; K07b, 1; K09b, 1; K10b, 1, c, 1; K11b, 2, c, 1; K13c, 1; K15b, 1; K18b, 1; K20c, 1; K21b, 1; L08a, 2; M05a, 1; M06a, 1; M08a, 1; S03b, 1; S07c, 2; T01b, 1; T05a, 8, b, 2, c, 1; T06c, 2; T07b, 2, c, 3; T08b, 2; T10b, 1; T11b, 2, c, 1; T14b, 1, c, 2; U07a, 3; U09a, 1; U11a, 5; U21a, 1; U33b, 1; U36b, 1; U40c, 1.
- Hygrotes decoratus*** (Gyllenhal, 1808) – PD: S'01¹, U'01¹ – NR: E03b, 1; H01c, 2; H13b, 1; K02c, 1; K04b, 1; K05b, 5; K07b, 3; K08c, 1; K09b, 2; K18b, 1; K20b, 1; L08c, 1; M02a, 1; M11a, 1; T10b, 5; T14c, 2; U01a, 2; U08a, 1; U09b, 1; U11a, 6; U12a, 1; U15a, 1; U27a, 1; U28a, 1; U35b, 1; U37b, 9.
- Hygrotes inaequalis*** (Fabricius, 1776) – NR: E01b, 1; E03b, 2; E05a, 1, c, 2; E06a, 1, b, 1; E07b, 3, c, 1; E08b, 2, c, 1; H01c, 1; H07c, 1; H08b, 1; H10a, 3; H11a, 1, b, 1, c, 1; H13b, 18, c, 6; H14b, 2, c, 1; K01c, 2; K02a, 1; K04c, 1; K05b, 1; K07b, 2, c, 2; K09b, 1; K11b, 2; K12b, 1, c, 1; K13c, 1; K15a, 1; K19b, 4; L09c, 1; M08a, 2; M10b, 1; M12b, 2; S03b, 1; S07c, 1; S15c, 2; S16c, 1; S18c, 4; S22c, 1; S30a, 1; T01b, 1; T02a, 1; T05a, 1, b, 1; T06b, 4; T07b, 14, c, 3; T08b, 5; T09b, 4; T11b, 5, c, 4; T14b, 1, c, 1; U02a, 1; U04a, 1; U09a, 1, b, 7; U19b, 3; U33b, 2, c, 1; U34b, 2; U35b, 2; U36b, 3; U40b, 10, c, 1.
- Hygrotes impressopunctatus*** (Schaller, 1783) – PD: H'01¹, S'01¹, U'01¹ – NR: E03b, 1, c, 1; E05c, 1; E07a, 1, c, 1; E08b, 2, c, 2; E09c, 1; H01c, 2; H03a, 1, b, 1; H04c, 1; H05c, 1; H06b, 1; H07c, 1; H11c, 1; H12c, 2; H13b, 9; K01c, 2; K02a, 2, c, 2; K07b, 1; K10b, 1; K13a, 1, c, 1; K14a, 1; L08a, 2, c, 1; M01a, 1; M02a, 2; M05a, 2; M06a, 2; M08a, 3; M10b, 1; M11a, 1; S01a, 2; S02a, 1; S03b, 1; S04a, 6; S05c, 1; S06b, 1; S12a, 1; S19b, 1; S23a, 1; S26a, 2; T01b, 1; T06c, 1; T07b, 1, c, 3; T08b, 1; T10b, 1; T11b, 3, c, 1; T12b, 1; T13b, 1; T14b, 1; U01a, 1; U02a, 3; U03a, 2; U04a, 4; U05a, 1; U07a, 4; U08a, 1; U11a, 11; U18a, 4; U21a, 10; U22a, 2; U25a, 2; U27a, 1; U35b, 1; U36b, 1.
- Hygrotes parallellogrammus*** (Ahrens, 1812) – NR: H10b, 1; T10b, 1; U07a, 1; U11a, 1.

Hyphydrus anaticus Guignot, 1957 – NR: U11a, 1.

Hyphydrus ovatus (Linnaeus, 1761) – PD: U'01^I – NR: E01b, 1, c, 1; E02c, 3; E03a, 1; E05a, 5, c, 9; E06b, 1, c, 4; E07b, 1, c, 2; H02b, 1; H03b, 1; H06b, 1; H12b, 2; H13b, 2; H14b, 8, c, 1; K01b, 9, c, 8; K02a, 2, c, 10; K03a, 5, b, 15, c, 19; K05a, 1, b, 4, c, 1; K06b, 4, c, 1; K07b, 2, c, 6; K08b, 3; K12c, 1; K13c, 1; K15a, 4, c, 8; K16b, 2; K19b, 1; K20b, 1; S30a, 1; T01b, 1, c, 3; T05a, 1, b, 1, c, 1; T06c, 1; U01a, 4; U02a, 7; U09a, 2, b, 1; U10b, 1; U11a, 1; U15a, 2; U35b, 6; U40b, 2, c, 1.

Hydrovatus cuspidatus Kunze, 1818 – PD: H'05^{XIV} – NR: H13b, 3; T08b, 2.

Laccornis kocae (Ganglbauer, 1906) – PD: S'01^I – NR: E06c, 1; U11a, 1.

Laccophilus hyalinus (De Geer, 1774) – PD: H'01^I/05^{XIV}, U'01^I – NR: E01a, 1; E02a, 1, b, 3; E03a, 1, c, 3; E05a, 4, c, 1; E06a, 3; E07a, 2, b, 2, c, 2; E08b, 3, c, 3; E09c, 3; H01c, 3; H02b, 1; H04a, 3, b, 4; H05c, 1; H06a, 2, b, 1, c, 3; H07a, 1, b, 9, c, 2; H08a, 2, b, 1; H09a, 1, b, 2; H10a, 1, b, 1; H11a, 5, b, 3; H12a, 10, b, 3, c, 1; H13b, 1; K06b, 3, c, 1; K11c, 2; K12b, 2, c, 6; K18b, 2; K19b, 2, c, 1; K20b, 1; T01b, 3; T05b, 1; T09c, 1; T11c, 1; T12a, 1; T14b, 1; U31b, 2.

Laccophilus minutus (Linnaeus, 1758) – PD: H'01^I, S'96^{II}, U'01^I – NR: E01a, 3, b, 1, c, 1; E02b, 1; E03b, 2, c, 2; E05a, 2; E06a, 5, c, 4; E07a, 5, b, 6, c, 3; E08b, 1, c, 5; E09c, 1; H01c, 1; H02b, 6; H03a, 4, b, 6; H05b, 1; H06a, 1, b, 3, c, 3; H07b, 2, c, 2; H08a, 3, b, 3, c, 3; H09a, 1, b, 1, c, 2; H10a, 6, b, 1; H11a, 3, b, 3; H12a, 1, b, 4, c, 3; H13b, 5, c, 3; H14b, 2, c, 1; K01c, 1; K02c, 1, c, 1; K05a, 1, c, 2; K06b, 2, c, 1; K07b, 3; K08b, 1, c, 2; K09b, 1, c, 5; K10b, 1, c, 2; K11c, 10; K12c, 7; K13c, 9; K18b, 4, c, 3; K19b, 3, c, 4; K20b, 2, c, 6; L04a, 1; L05b, 1; L06a, 1; L07b, 1; L08a, 1, b, 2, c, 1; S04a, 1; S30a, 1; T01a, 5, b, 1; T02a, 1; T05a, 2, b, 2; T06a, 1, c, 3; T07a, 1, b, 4, c, 5; T09c, 2; T11a, 2, b, 4, c, 2; T12b, 1; T14c, 2; U04a, 2; U05a, 2; U06a, 1; U07a, 2; U09a, 5, b, 3; U17a, 4; U30a, 1; U31b, 1; U36b, 2; U38b, 1; U39b, 1.

Laccophilus poecilus Klug, 1834 – NR: E01b, 3; E02b, 1, c, 1; E03b, 1, c, 2; E05a, 1, c, 1; E06a, 4, b, 1; E07a, 3; E08b, 2, c, 3; H01a, 1, c, 3; H02b, 1; H03a, 1, b, 1; H04a, 1, b, 1, c, 1; H05c, 1; H06c, 1; H08b, 3; H09b, 1, c, 3; H10a, 2, b, 4; H11a, 1, b, 5, c, 1; H12a, 3, b, 3, c, 6; H13b, 1, c, 4; H14b, 2, c, 1; K05a, 1; K06b, 1; K07b, 3; K08c, 1; K11b, 1, c, 1; K13a, 1; K18b, 1; L04a, 3; L06b, 1; L08b, 1; L09c, 1; M08a, 1; M11a, 2; S03b, 4; S16b, 1; S18b, 1; S26a, 3; T01b, 2, c, 1; T05a, 1, b, 2, c, 2; T06b, 5, c, 3; T07b, 3, c, 2; T08b, 3; T09c, 2; T11a, 1; T12b, 1; T13b, 1; T14b, 4, c, 2; U02a, 2; U03a, 1; U04a, 2; U09a, 2, b, 2; U11a, 1; U17a, 1; U18a, 1; U25a, 1; U31b, 1; U35b, 4; U36b, 1.

Agabus bipustulatus (Linnaeus, 1767) – NR: E06a, 1; K10c, 1; K20c, 1; L08b, 1; T04b, 2; T12b, 1; U07a, 1; U22a, 3; U41b, 1.

Agabus labiatus (Brahm, 1791) – PD: S'01^I – NR: K13a, 1.

Agabus melanarius Aubé, 1837 – NR: U29a, 1.

Agabus striolatus (Gyllenhal, 1808) – NR: E05b, 1; M01a, 1.

Agabus undulatus (Schränk, 1776) – PD: S'01^I, U'01^I – NR: H03a, 1; H08b, 1; H13b, 1; M03a, 5; M04a, 4; M11a, 3; S01a, 1; U05a, 9; U07a, 7; U09a, 1; U15a, 2.

Agabus uliginosus (Linnaeus, 1761) – PD: S'01^I, U'01^I – NR: K08c, 1; S04a, 2; U05a, 1; U11a, 1; U27a, 1.

Ilybius ater (De Geer, 1774) – NR: E05c, 1; H08c, 1; K15a, 1, b, 1; K20b, 1; U09b, 1; U33b, 1.

Ilybius fenestratus (Fabricius, 1781) – NR: E01b, 1, c, 1; E02b, 1; E03b, 4; E05b, 1; E06b, 2; E07b, 1, c, 2; H05b, 2, c, 3; H06a, 2, b, 9, c, 5; H07b, 5, c, 7; H08a, 5, b, 14, c, 8; H09b, 10, c, 1; H10b, 5, c, 3; H11b, 4, c, 4; H12a, 3, b, 9, c, 16; K03b, 1; K05b, 1, c, 1; K06b, 1; K07c, 1; K09b, 6, c, 5; K11c, 1; K12c, 1; T01a, 3, b, 6, c, 2; T02b, 1, c, 1; T03b, 2, c, 3; T05c, 1; T06c, 1; T07c, 1; T12b, 1; T14b, 3, c, 4.

Ilybius fuliginosus (Fabricius, 1792) – NR: E06b, 1; H02c, 1; H06b, 2; H08b, 1, c, 2; T12b, 1.

Ilybius quadriguttatus (Lacordaire, 1835) – NR: E03c, 1; H07c, 1; H08a, 1; T11b, 1; U03a, 1; U09a, 1; U12a, 1; U35b, 1.

Ilybius subaeneus Erichson, 1837 – NR: H04c, 1.

Ilybius subtilis (Erichson, 1837) – NR: U05a, 1.

- Platambus maculatus*** (Linnaeus, 1758) – NR: E02c, 1; E05c, 1; E07b, 1, c, 3; E08b, 1, c, 1; H05b, 5, c, 1; H06c, 1; H12b, 1; K06b, 1, c, 1; T01b, 3, c, 4; T02a, 1, b, 5, c, 6; T03b, 3, c, 4; T04b, 2, c, 6; T05b, 1; T06b, 2; T14b, 2.
- Colymbetes fuscus*** (Linnaeus, 1758) – NR: E01c, 1; E06c, 3; E07c, 1; H06c, 1; H07c, 1; H09b, 2; H11b, 1; K06b, 1, c, 1; K07b, 4, c, 4; K09b, 1; K10c, 2; K11b, 1, c, 1; K13a, 1; K18b, 2, c, 4; K19b, 1, c, 2; K20b, 1, c, 1; L03a, 1; L06a, 1, b, 1; L08b, 3; M02a, 1; M04a, 1; M08a, 2; S05c, 1; S07c, 6; S09b, 1; S11a, 1; S14c, 3; S16c, 2; S18c, 4; S19c, 1; S21c, 1; S22c, 2; S23a, 1; S24a, 1; S25a, 1; S27a, 1; T01a, 1, b, 1; T02c, 1; T03a, 1; T07b, 1; T09c, 1; T11a, 1, b, 2, c, 2; T12b, 1, c, 2; U10b, 1; U11a, 1; U28a, 1; U33b, 2; U35b, 3; U40c, 1.
- Rhantus bistriatus*** (Bergsträsser, 1778) – PD: S'01¹ – NR: E07b, 1; H03a, 1; H08c, 1; L04a, 2; L08a, 1; M11a, 1.
- Rhantus frontalis*** (Marshall, 1802) – PD: S'01¹, U'01¹ – NR: M06a, 1; T07c, 1; U02a, 1; U11a, 1.
- Rhantus suturalis*** (MacLeay, 1825) – PD: S'01¹, U'01¹ – NR: E07c, 1; E08c, 1; H07c, 1; H09c, 1; H14c, 1; K18c, 1; M08a, 1; T07c, 1; T08b, 1; T09c, 1; U35b, 1; U41b, 7.
- Rhantus graepii*** (Gyllenhal, 1808) – NR: S01b, 1; U12a, 1; U27a, 1.
- Acilius canaliculatus*** (Nicolai, 1822) – NR: E07c, 1; H03b, 1; K07c, 1; K09c, 1; K11c, 1; K12c, 1; K15b, 1; S07b, 1, c, 1; T01b, 1, c, 1; T07c, 1; U02a, 1; U08a, 2; U12a, 1; U35b, 3.
- Acilius sulcatus*** (Linnaeus, 1758) – PD: U'01¹ – NR: E08b, 1; H09b, 1; K06c, 1; K07c, 1; K10c, 1; K11c, 2; K13a, 1; K15b, 1, c, 4; K20b, 1; S01b, 1; S22c, 1; T01b, 1; T02c, 1; T03c, 1; U02a, 3; U05a, 1; U07a, 2; U08a, 1; U12a, 1.
- Graphoderus austriacus*** (Sturm, 1834) – NR: E05c, 1; E07b, 1; E08c, 1; H01c, 1; H05c, 3; H06c, 1; H07c, 3; H09b, 2; H11c, 1; H12b, 1, c, 1; H13c, 1; K01b, 1; K02a, 1; K04b, 1; K05b, 1; K08b, 1; K19b, 1; L08b, 1; M06a, 1; S03b, 2; S15b, 1; S16b, 3; S21b, 4; S22b, 1; T01a, 1; T09c, 1; T11c, 1; U09b, 1; U10b, 2; U32b, 2; U33b, 21; U35b, 7; U40b, 1.
- Graphoderus cinereus*** (Linnaeus, 1758) – PD: U'01¹ – NR: E05c, 1; E07c, 1; H01b, 1; H06b, 1; H11b, 1; H13b, 1; K07b, 1; K08c, 1; K13a, 3, b, 1, c, 1; L03a, 1; S03b, 2; S07b, 2; S10b, 1; S14b, 2; S22b, 2, c, 1; T08b, 1; T11b, 1; T12b, 1; U01a, 1; U02a, 1; U09a, 1, b, 2; U10b, 1; U32b, 9; U33b, 24; U35b, 7; U40b, 4.
- Graphoderus zonatus*** (Hoppe, 1795) – PD: U'01¹ – NR: S01b, 1; U33b, 2.
- Cyberis lateralimarginalis*** (De Geer, 1774) – PD: H'01¹ – NR: E01b, 3, c, 1; E02b, 1; E03b, 1; E05c, 1; E07a, 1; E09b, 1; H02b, 1; H03a, 1, b, 2; H04b, 1; H05c, 1; H06b, 4; H07b, 1; H08b, 2; H09a, 2, b, 1; H10b, 1; H11a, 1, b, 6; H12a, 2, b, 1; H14b, 1; K02c, 1; K03b, 1; K04b, 3; K06b, 6; K07c, 1; K09b, 1; K11c, 1; K15b, 3; L02a, 1; L04a, 1; L06b, 2; L08a, 1, b, 3; L09b, 1; M06a, 1; M07a, 1; S01b, 1; S07b, 1; S09b, 1; S14b, 1; S15b, 1; S16b, 2; S18b, 3, c, 1; S19c, 2; S22c, 2; T01a, 2, b, 4; T03a, 2, b, 2; T04b, 1; T05a, 1, b, 1; T06b, 1, c, 1; T07b, 1, c, 1; T08b, 8; T09c, 1; T11b, 7; U09a, 1, b, 2; U10b, 3; U19a, 1, b, 1; U33b, 18; U34b, 22; U35b, 1; U38b, 1; U40c, 1.
- Dytiscus circumflexus*** Fabricius, 1801 – NR: H10b, 1; L09a, 1; M08a, 2; S06a, 1.
- Dytiscus dimidiatus*** Bergsträsser, 1778 – NR: H08a, 1, b, 1; H12a, 1; K16b, 1; L02a, 1; S15c, 1; T09b, 1; T11c, 1; U09a, 1, b, 8; U10b, 1; U33b, 1.
- Dytiscus marginalis*** Linnaeus, 1758 – NR: E05b, 1; H09b, 1; H12b, 1; K05b, 1; K07c, 2; K09c, 1; K11c, 1; K18b, 1; S07b, 1; T02a, 2; T06b, 1; T12c, 1.
- Hydaticus grammicus*** (Germar, 1830) – NR: E06c, 1; E07c, 1; E08c, 1; E09c, 1; H01c, 3; H07c, 1; H12c, 1; K20b, 1; L08c, 2; T07c, 1; T09c, 4; T11c, 1; U42b, 1.
- Hydaticus seminiger*** (De Geer, 1774) – NR: E05c, 2; E06c, 1; E08c, 1; H01c, 1; H13b, 1, c, 1; K01b, 1; K02c, 1; K11c, 1; K13a, 1, b, 1; K16b, 1; K20b, 3; T03c, 2; T05c, 1; T07c, 2; T10b, 1; U02a, 1; U04a, 1; U09b, 3; U12a, 1; U15a, 1.
- Hydaticus transversalis*** (Pontoppidan, 1763) – NR: E01a, 1, b, 2, c, 3; E02c, 1; E03c, 2; E05a, 1, c, 5; E06c, 2; E07c, 1; E08c, 1; H02b, 1; H08a, 1, c, 2; H09b, 1; H13b, 1, c, 2; K07b, 2; K09b, 1; K12b, 1; K15b, 1; K19b, 1; K20b, 1; L04a, 1; L06a, 2; L09a, 1; S01b, 1; S03b, 1; S26a, 1; T01a, 2; T06b, 1; T07b, 1, c, 1; T08b, 1; T09c, 1; T11b, 1; U09b, 6; U12a, 2; U19b, 1; U29a, 1; U32b, 4; U33b, 27; U34b, 4; U35b, 4; U36b, 1; U39b, 2.

NOTERIDAE (Identified by Zoltán Csabai)

- Noterus clavicornis*** (De Geer, 1774) – NR: E01a, 3, b, 1, c, 6; E02a, 2, c, 4; E03a, 1; E05a, 3, c, 7; E06a, 2, c, 4; E07a, 3, c, 6; E08b, 1; E09c, 1; H01c, 1; H02c, 2; H03a, 1, b, 3; H05c,

3; H06b, 1, c, 2; H07c, 1; H08a, 1, c, 3; H09a, 2; H10a, 9, b, 4; H11a, 4, b, 2, c, 2; H12a, 2, b, 4, c, 2; H13c, 4; H14c, 2; K02a, 1; K03a, 4, b, 1; K04b, 12, c, 3; K05b, 1, c, 4; K06a, 1, b, 3, c, 4; K07b, 7, c, 2; K08b, 3; K11b, 1; K12b, 1; K19b, 1; K20b, 1, c, 3; L01a, 1; L02a, 4; L03a, 9; L04a, 4; L06a, 3; L08a, 3, b, 7; L09a, 2, b, 2; M04a, 2; S12a, 1; S19b, 1; S26a, 1; T01a, 2, b, 1, c, 2; T05c, 1; T06a, 1, c, 1; T07b, 6; T08b, 2; T11a, 1, b, 1, c, 3; T12c, 1; T14b, 2, c, 2; U04a, 1; U09b, 2; U10a, 1; U17a, 1; U18a, 1; U26a, 1; U36b, 1; U38b, 1.

Noterus crassicornis (O.F.Müller, 1776) – PD: H'05^{XIV}, S'96^{II/01/05}^{XIV}, U'01^I – NR: E01b, 7, c, 7; E02c, 4; E03a, 6, b, 1, c, 1; E05a, 1, c, 2; E07b, 1, c, 4; E09b, 4, c, 4; H02b, 1; H03a, 4, b, 1; H06c, 1; H08a, 2, c, 4; H09a, 3; H10a, 5, b, 12; H11a, 8, b, 2, c, 1; H12a, 5, b, 14, c, 1; H13b, 8, c, 4; H14b, 8, c, 2; K01b, 7, c, 3; K02a, 5, b, 6, c, 9; K03a, 9, b, 27, c, 1; K04b, 7, c, 10; K05a, 2, b, 1, c, 2; K06b, 3, c, 2; K07b, 5; K08b, 8; K09b, 3, c, 1; K10c, 2; K11c, 1; K12b, 1; K13a, 4, c, 8; K15b, 21, c, 3; K17b, 2; K20b, 1, c, 2; L02a, 4; L03a, 4; L04a, 10; L05b, 2; L06a, 9, b, 5; L08a, 2; L09b, 6; M01a, 1; M04a, 6; M05a, 3; M06a, 2; M08a, 4; S03b, 2; S04a, 3; S05b, 2; S06b, 9; S07b, 5, c, 1; S08a, 3; S09b, 4; S10b, 1; S12a, 2; S15c, 1; S16b, 2, c, 2; S18c, 1; S19b, 5, c, 2; S21b, 4; S22b, 1, c, 1; S23a, 1; S24a, 3; S25a, 3; S26a, 1; T01a, 2, b, 3; T05c, 1; T06c, 3; T07b, 2, c, 2; T08b, 3; T09c, 2; T11a, 1, b, 4, c, 6; T12c, 1; T13b, 1; T14b, 1, c, 3; U01a, 5; U02a, 7; U03a, 13, b, 2; U04a, 7; U07a, 1; U09a, 7, b, 2; U10a, 1; U11a, 20; U18a, 11; U19b, 2; U21a, 9; U22a, 2; U25a, 12; U27a, 1; U28a, 2; U29a, 1; U34b, 2; U35b, 6; U37b, 6; U39b, 1; U40b, 1.

GYRINIDAE (Identified by Zoltán Csabai)

Gyrinus colymbus Erichson, 1837 – NR: H11a, 1.

Gyrinus distinctus Aube, 1836 – NR: E08c, 2; H05b, 2; H06b, 1; H09b, 1; H12b, 1; L09a, 2, b, 1.

Gyrinus paykulli Ochs, 1927 – NR: U11a, 1.

Gyrinus substriatus Stephens, 1829 – PD: U'01^I – NR: E03a, 1, b, 3; E07c, 1; E08c, 3; S30a, 1; T02b, 2; T03a, 6; T04b, 1; T07c, 1.

SPERCHEIDAE (Identified by Zoltán Csabai)

Spercheus emarginatus (Schaller, 1783) – NR: H13b, 2; H14b, 5; K02a, 1; K04b, 1, c, 1; K09b, 8; L03a, 2; L04a, 1; L06a, 1; M08a, 1; M11a, 1; S06a, 1; S12a, 1; S15b, 1; S16b, 2; S19b, 1; S22b, 1; S24a, 1; S28a, 1; T09b, 1; U01a, 2; U10a, 1, b, 1; U36b, 2; U37b, 2.

HYDROCHIDAE (Identified by Zoltán Kálmán)

Hydrochus angustatus Germar, 1824 – NR: E01b, 4, c, 1; E02a, 2, c, 1; E03b, 7, c, 1; E05c, 1; E06a, 1, b, 1; E07a, 8, b, 3, c, 3; E08b, 1; H02b, 1; H03a, 3; H05b, 3; H06a, 2; H08b, 8; H09a, 3; H11a, 1; H12a, 3; H13b, 6, c, 1; H14b, 1, c, 1; L06a, 5; L08b, 2, c, 2; L09b, 1; M04a, 2; M06a, 2; T01a, 2, c, 1; T02a, 2; T03c, 1; T04c, 1; T06a, 1, b, 1; T08b, 1; T11c, 1; T12b, 1; U05a, 4; U07a, 1; U27a, 1.

Hydrochus brevis (Herbst, 1793) – NR: E01b, 1; E02a, 1; H01c, 1; H03b, 1; K02c, 1; K18b, 1; K20c, 1; L08c, 4; T02c, 1; T12c, 1; U08a, 1; U11a, 2; U12a, 1; U15a, 1; U31c, 1.

Hydrochus crenatus (Fabricius, 1792) – NR: K01b, 1, c, 2; K02c, 4; K06b, 5; K07b, 7, c, 1; K08b, 1; K09b, 1; K10b, 1; K11b, 9; K13c, 2; K18b, 2; K19b, 7; K20b, 1, c, 3; S01a, 1, b, 1; S28a, 2; S30a, 1; U02a, 1; U07a, 6; U09a, 19; U10a, 9; U11a, 3; U12a, 5; U35a, 9; U36a, 3; U38a, 1; U40a, 1; U41a, 8.

Hydrochus elongatus (Schaller, 1783) – PD: S'01^I – NR: E01a, 2, c, 6; E03a, 2; E05a, 1; E06a, 1; H03a, 3; H04b, 1; H08b, 1; H10b, 2; H12b, 2; H14b, 4; K04c, 1; K05c, 2; K12b, 1; L04a, 2; L07b, 1; U10a, 1; U11a, 1; U15a, 1; U37a, 1.

Hydrochus flavipennis Küster, 1852 – NR: E09b, 1; H12b, 1; T03a, 1.

Hydrochus megaphallus Berge-Henegouwen, 1988 – PD: S'01^I – NR: T09b, 1.

HELOPHORIDAE (Identified by Zoltán Kálmán)

Helophorus aquaticus/aqualis – NR: E01a, 2; H03a, 1; H13b, 3; H14b, 2; K04c, 2; K05c, 2; K06b, 1; K11c, 1; K13c, 1; K20c, 2; L01a, 1; L02a, 1; L08a, 1; M01a, 2; M02a, 1; M03a, 1; M06a, 1; T01a, 1; T09a, 1; T12a, 1; U01a, 20; U02a, 1; U03a, 3; U04a, 3; U05a, 13; U06a, 2; U07a, 14; U08a, 2; U10a, 1; U11a, 7; U12a, 12; U14a, 8; U15a, 7; U17a, 2; U18a, 6; U21a, 4; U22a, 9; U24a, 2; U27a, 38; U28a, 26; U29a, 2; U31c, 1.

Helophorus liguricus Angus, 1970 – NR: H04a, 1; H14b, 1; T09a, 1; U01a, 1; U06a, 1; U24a, 1; U27a, 11; U28a, 6.

Helophorus micans Faldermann, 1835 – NR: H13b, 2, c, 1; H14b, 2.

Helophorus brevipalpis Bedel, 1881 – NR: E01b, 1; E02b, 4; E03b, 8; E07b, 3; H01b, 1; H03b, 1; H04b, 4; H06b, 1; H07b, 2; H08b, 2; H09b, 1; H10b, 2; H14b, 2; K05c, 1; L06b, 1; L08c, 1; L09b, 1; T01c, 2; T03a, 2; T09b, 1; T12b, 2; T13b, 1; T14b, 3; U05a, 1; U06a, 4; U07a, 5; U08a, 1; U09a, 1; U11a, 4; U12a, 4; U14a, 1; U15a, 2; U18a, 1; U21a, 1; U22a, 2; U27a, 4; U28a, 3; U31a, 1; U36a, 2;

Helophorus montenegrinus Kuwert, 1885 – NR: E01a, 1; E02a, 2, b, 8; E03a, 1, b, 6; E04a, 1; E05a, 1; E06a, 2; E07a, 5, b, 1; E08b, 1; H02b, 3; H03a, 2; H06a, 3; H07a, 1, b, 5; H08a, 2, b, 1; H09a, 3; H10a, 4, b, 2; H11a, 1, b, 1; H12a, 1, b, 5; H13b, 6; H14b, 5; K01c, 2; K04c, 3; K05c, 2; K07c, 1; K09b, 1; K18b, 1; K20c, 15; L01a, 3; L02a, 1; L03a, 1; L08a, 2, b, 2; M01a, 3; M02a, 2; M04a, 3; M05a, 1; M06a, 1; M11a, 1; S01a, 1; S04a, 1; T01a, 2, b, 2, c, 3; T02a, 3, c, 1; T03a, 2; T04a, 2, b, 1, c, 1; T06c, 1; T08b, 1; T09a, 5; T10b, 1; T11a, 1, b, 4, c, 1; T12b, 2; T14b, 8; U01a, 10; U05a, 20; U06a, 17; U07a, 13; U08a, 6; U10a, 2; U11a, 23; U12a, 7; U13a, 1; U14a, 2; U15a, 16; U16a, 1; U17a, 5; U21a, 3; U22a, 2; U25a, 2; U28a, 7; U29a, 8.

Helophorus cf. arvernensis Mulsant 1846 – NR: K04c, 1.

Helophorus griseus Herbst, 1793 – NR: K02c, 1; K05c, 2; K06b, 1; K11b, 1; K19b, 3; K21b, 3; L08c, 2; M01a, 1; S01b, 1; S16b, 1; U01a, 3; U02a, 1; U04a, 2; U05a, 10; U06a, 2; U07a, 18; U11a, 1; U15a, 4; U18a, 2; U21a, 2; U27a, 6; U28a, 9; U29a, 2; U31a, 1; U36b, 1.

Helophorus minutus/paraminutus – NR: E01a, 4, b, 1, c, 2; E02a, 5, b, 4; E03b, 8, c, 2; E04a, 2; E05a, 7, c, 3; E06a, 1; E07a, 1; E08c, 1; H03a, 5, b, 2; H04b, 1, c, 1; H05b, 1, c, 3; H06a, 6, b, 2, c, 1; H07b, 2; H08a, 5, b, 2, c, 1; H09a, 4; H10a, 6, b, 3, c, 1; H11a, 2, b, 1, c, 3; H12a, 1, b, 1, c, 3; H13b, 37, c, 1; H14b, 8; K02c, 4; K04b, 3, c, 3; K05c, 1; K06b, 11; K07b, 17; K08b, 1, c, 1; K09b, 2, c, 1; K10b, 4; K11b, 1; K12c, 1; K18b, 1; K20b, 3, c, 6; K21b, 2; L01a, 11; L02a, 7; L03a, 3; L04a, 4; L05b, 1; L06a, 1, b, 13; L07b, 3; L08a, 2, b, 5, c, 10; L09a, 7, b, 1, c, 1; M01a, 25; M02a, 18; M03a, 2; M04a, 1; M05a, 7; M06a, 5; M08a, 9; M11a, 4; S01b, 4; S02a, 1; S03b, 1; S04a, 2; S24a, 1; S25a, 1; S30a, 1; T01a, 7, b, 3, c, 1; T02a, 6; T04c, 1; T05a, 2, c, 1; T06a, 3, b, 1, c, 1; T07b, 2; T08b, 1; T09c, 3; T10b, 1; T11b, 4, c, 5; T12a, 1, b, 4; T13b, 1; T14b, 3, c, 1; U01a, 18; U02a, 6; U03a, 3; U04a, 18; U05a, 20; U06a, 3; U07a, 32; U08a, 4; U09a, 1; U10a, 1; U11a, 14; U12a, 5; U14a, 2; U15a, 6; U16a, 1; U17a, 2; U18a, 7; U21a, 9; U22a, 6; U24a, 5; U25a, 1; U27a, 37; U28a, 28; U29a, 3; U36a, 4; U37a, 2.

Helophorus redtenbacheri Kuwert, 1885 – NR: E01a, 4; E02a, 2; E03b, 1; E05a, 2; E06a, 1; E07a, 5; H04a, 2; H08a, 8; H10a, 2; H11b, 1; H12a, 1, b, 1; H13b, 7; K09b, 1; K13a, 1; K19c, 1; L08a, 1, c, 1; M01a, 4; M02a, 2; M04a, 1; S01a, 1; S23a, 1; S26a, 1; T01a, 8; T04a, 1; U01a, 2; U05a, 10; U06a, 5; U07a, 30; U10a, 2; U11a, 9; U12a, 6; U15a, 9; U18a, 9; U21a, 11; U22a, 3; U24a, 7; U25a, 1; U27a, 10; U28a, 7; U36a, 1; U37a, 2.

HYDROPHILIDAE (Identified by Zoltán Csabai (majority) and Andor Lőkkös (Cercyon in part))

Coelostoma orbiculare (Fabricius, 1775) – PD: S'05^{XIV}, U'01^I – NR: E01b, 2; E02a, 1; E03b, 1; E07a, 2, b, 4; E09b, 1; H01c, 1; H03a, 1, b, 1; H06b, 3; H08a, 2, b, 3; H09a, 3, b, 1; H10b, 1; H12a, 4, b, 1; H13b, 4; K01b, 2; K02a, 3; K03b, 1; K04b, 1; K06b, 2; K07b, 2; K10b, 2; K13a, 6, c, 1; K16b, 1; K20b, 5; L02a, 2; M11a, 2; S01a, 3; S02a, 1; S04a, 1; S06a, 1; S09b, 1; S12a, 2; S19b, 1; S23a, 1; S26a, 1; S27a, 2; S28a, 2; S29b, 2; T01a, 4; T09b, 1; T12b, 1; U33b, 5; U35b, 1; U39b, 1.

Cercyon marinus Thomson, 1853 – NR: H09a, 1; H13b, 1; K04b, 1.

Cercyon pygmaeus (Illiger, 1801) – NR: K13c, 1.

Cercyon sternalis Sharp, 1918 – NR: E02a, 2; E03c, 1; E06b, 1; H06a, 5; H08a, 1; H09a, 1; H10a, 1; H11b, 1; H12a, 5; H13b, 8, c, 1; H14b, 1; L04a, 1; T07a, 1, b, 1; T08b, 2; T11c, 1; U05a, 1.

Cercyon haemorrhoidalis (Fabricius, 1775) – NR: S02a, 1.

Cercyon ustulatus (Preyssler, 1790) – NR: E01a, 1; U36b, 1.

Cercyon quisquilius (Linnaeus, 1761) – NR: K15b, 1.

Cercyon tristis (Illiger, 1801) – NR: K01b, 1; S06a, 1.

- Anacaena limbata** (Fabricius, 1792) – PD: H'01¹, S'01¹, U'01¹ – NR: E01b, 1, c, 4; E02b, 8; E03a, 1, b, 1; E05a, 1, b, 1, c, 2; E06b, 3; E07b, 1, c, 6; E08b, 2; H01c, 1; H02c, 1; H03a, 1; H04a, 1; H05b, 1; H06a, 3, c, 1; H08a, 3, H08b, 5; H09a, 1, c, 1; H10a, 4; H12a, 6; H13b, 5; H14b, 5; K01b, 3; K02a, 1, b, 3; K03a, 1, b, 6; K04b, 3, c, 8; K05a, 1, b, 9, c, 5; K06b, 8, c, 2; K07b, 11, c, 1; K08b, 1, c, 5; K09b, 13, c, 3; K10b, 9; K11b, 6, c, 1; K12b, 1; K13a, 2, b, 8, c, 5; K14a, 1, b, 1; K15b, 9, c, 2; K16b, 10, c, 1; K17b, 1; K18b, 14; K19b, 4, c, 1; K20b, 1, c, 5; L01a, 1; L03a, 1; L08a, 1, b, 6; L09a, 1, b, 1; M01a, 1; M02a, 1; M05a, 1; M06a, 1; M11a, 1; S01a, 4, b, 2; S02a, 3; S04a, 8; S06a, 1; S08a, 1; S12a, 9; S23a, 2; S26a, 2; S29a, 2, b, 2; T01a, 2, b, 3; T02a, 6, c, 1; T03a, 1, b, 3, c, 2; T04a, 2, b, 6, c, 3; T05a, 1, b, 1; T07a, 1, c, 1; T09b, 1; T13b, 1; T14b, 1; U01a, 23; U02a, 3; U03a, 2; U05a, 9; U06a, 1; U07a, 9; U08a, 7; U09a, 4, b, 3; U10a, 8, b, 8; U11a, 21; U12a, 8; U13a, 2; U14a, 6; U15a, 18; U16a, 1; U17a, 3; U18a, 10; U21a, 6; U22a, 2; U24a, 7; U25a, 4; U27a, 6; U28a, 3; U29a, 13; U31a, 1, b, 2; U33b, 1; U35b, 4; U36b, 7; U37b, 15; U39b, 1; U40b, 2; U41b, 11.
- Anacaena lutescens** (Stephens, 1829) – PD: S'01¹, U'01¹ – NR: E01c, 1; E02c, 2; E05b, 2; E06c, 3; E07b, 1; E08b, 1; H03a, 1; H08a, 1, b, 2; H13c, 1; K03a, 1, b, 5; K04b, 6; K05b, 5; K06b, 6, c, 2; K07b, 2; K08b, 1; K09b, 3; K10b, 3; K13b, 6, c, 2; K14b, 1; K15b, 4; K16b, 4, c, 1; K18b, 1; K19b, 3, c, 1; K20b, 1, c, 2; L01a, 1; M06a, 1; S26a, 1; S30a, 1; T01a, 1; T02a, 2; T04a, 1; T09b, 1.
- Laccobius bipunctatus** (Fabricius, 1775) – NR: E01c, 1; E08b, 1; H02c, 5; H03a, 1; H06a, 1; H08c, 1; K06b, 1; K09c, 1; T01b, 1; T02a, 1, b, 1; T03a, 1, c, 1; T10b, 1; T12c, 2.
- Laccobius striatulus** (Fabricius, 1801) – PD: U'01¹ – NR: H01c, 1; K10b, 1; T14b, 1.
- Laccobius syriacus** Guillebeau, 1896 – NR: K11b, 1; T10b, 1.
- Laccobius minutus** (Linnaeus, 1758) – PD: U'01¹ – NR: H01c, 3; H05c, 1; K13a, 1.
- Cymbiodyta marginella** (Fabricius, 1792) – PD: H'01¹, S'01¹, U'01¹ – NR: E01a, 11, b, 6; E02a, 3, b, 3; E03a, 8, b, 7, c, 1; E04a, 3; E05a, 9, b, 1; E06a, 1, b, 1, c, 1; E07a, 12, b, 4, c, 3; E09b, 2, 9c, 1; H01c, 5; H02c, 1; H03a, 1, b, 1; H04a, 4, c, 5; H05b, 2, c, 6; H06a, 13, b, 2, c, 3; H08a, 13, b, 5, c, 1; H09a, 16, c, 4; H10a, 10, b, 2, c, 1; H11a, 10, b, 2, c, 2; H12a, 12, b, 2, c, 7; H13b, 9, c, 4; H14b, 10; K01b, 7, c, 1; K02b, 12, c, 1; K03a, 1, b, 4; K04b, 6, c, 1; K05b, 1; K06b, 6, c, 1; K07b, 13; K08c, 3; K09b, 2, c, 2; K10b, 5; K11b, 3; K13b, 2; K15b, 4; K16b, 21; K17b, 1; K18b, 4; K19b, 6; K20b, 3; K21b, 6; L02a, 3; L03a, 1; L04a, 5; L06a, 7, b, 1; L07b, 1; L08a, 1, b, 3, c, 1; L09a, 4, b, 1, c, 1; M01a, 2; M02a, 4; M04a, 1; M06a, 3; M08a, 2; S01a, 3; S03b, 4; S04a, 3; S06a, 4, b, 2; S08a, 3; S12a, 2; S16c, 1; S18c, 1; S19c, 1; S23a, 2; S24a, 1; S25a, 3; S26a, 7; S27a, 10; S28a, 4; T01a, 8, b, 2, c, 4; T02a, 3; T03a, 1; T06b, 1, c, 1; T07b, 6, c, 11; T09c, 1; T10b, 1; T11b, 1, c, 2; T12b, 1, c, 1; T13b, 1; U01a, 9; U02a, 5; U03a, 2, b, 1; U04a, 3; U05a, 1; U07a, 3; U10a, 1; U11a, 4; U12a, 1; U15a, 2; U18a, 1; U21a, 2; U22a, 2; U24a, 8; U27a, 6; U28a, 1; U29a, 2; U31a, 1, c, 1; U33b, 3; U36b, 5.
- Enochrus melanocephalus** (Olivier, 1792) – NR: E08c, 1; H06a, 1; H08a, 1; H12a, 1; T12b, 1; U12a, 1; U19b, 1; U21a, 1.
- Enochrus ater** (Kuwert, 1888) – NR: S11a, 1; S24a, 1; U09b, 1; U20a, 1.
- Enochrus bicolor** (Fabricius, 1792) – PD: S'01¹ – NR: E01a, 1; E02b, 1; H01b, 2; H09a, 1; H10b, 3; H11a, 1; K01b, 2; K07b, 1; K21b, 2; L06b, 2; M01a, 5; M02a, 2; M04a, 1; M06a, 1; M08a, 4; M10b, 1; M11a, 2; S02a, 1; S03b, 3; S06a, 1, b, 2; S28a, 1; T10b, 1; T11b, 2; U01a, 2; U03a, 1; U04a, 3; U11a, 1; U12a, 1; U18a, 2; U19b, 1; U22a, 2; U28a, 4; U33b, 1; U34b, 2.
- Enochrus fuscipennis** (Thomson, 1884) – PD: H'05^{XIV}, U'01¹ – NR: H13b, 2; L01a, 1; T01a, 1; U21a, 1.
- Enochrus ochropterus** (Marsham, 1802) – NR: H13b, 1; K02a, 1, b, 2; K03b, 3; K04b, 1, c, 1; K13a, 5, b, 2, c, 1; K15a, 2, b, 2; K16b, 2; M02a, 1; S06a, 2; S24a, 1; S25a, 2; T05a, 1; U12a, 1.
- Enochrus quadripunctatus** (Herbst, 1797) – PD: H'01¹, S'01¹, U'01¹ – NR: E01b, 2; E02a, 2; E03a, 1, b, 5, c, 2; E06c, 1; E07b, 2, c, 2; E08b, 1, c, 4; E09b, 1; H01b, 1, c, 7; H04b, 1, c, 2; H05c, 11; H06b, 1, c, 2; H07c, 3; H08a, 6, b, 2, c, 1; H09a, 6, c, 6; H10a, 2, b, 3, c, 1; H11a, 1, b, 1, c, 4; H12b, 1, c, 14; H13b, 2, c, 1; H14b, 1; K01b, 2; K02b, 6; K09b, 1; K11b, 2; K18b, 1; K21b, 5; L02a, 1; L03a, 1; L04a, 1; L06b, 3; L08a, 2, b, 2, c, 6; L09c, 6; M01a, 6; M02a, 5; M06a, 3; M11a, 3; S03b, 2; S04a, 1; S05b, 1; S06a, 2; S12a, 2; S23a, 1; T01a, 3;

b, 2, c, 7; T02a, 2; T06a, 1, c, 3; T07c, 5; T09c, 2; T10b, 1; T11b, 2, c, 5; T12c, 2; U03a, 1; U04a, 16; U07a, 1; U12a, 1; U18a, 1; U22a, 3; U24a, 3; U27a, 4; U28a, 6; U29a, 1; U33b, 1; U36b, 8; U41b, 1.

Enochrus testaceus (Fabricius, 1801) – PD: S'01^I, U'01^I – NR: E01a, 1, c, 1; E03a, 3, c, 1; E07b, 2; E08b, 1; H03a, 1; H06a, 1; H09b, 1; H10a, 2, c, 1; H11a, 2, b, 1; H13b, 1; K01b, 1; K02a, 1; K04b, 1, c, 1; K08b, 1; K09c, 1; K10b, 1; K13c, 2; K15c, 1; K16b, 1; L02a, 1; L04a, 4; L09a, 1; M07a, 1; M08a, 2; S03b, 1; S07b, 2; S09b, 1; S14b, 1, c, 1; S21b, 3, c, 1; S22b, 2; S23a, 1; T01b, 1, c, 1; T03a, 1; T05a, 1, c, 1; T06a, 2, b, 1, c, 2; T07a, 1, b, 1; T08b, 1; T09a, 1, b, 1; T11b, 2, c, 1; T14b, 1; U01a, 3; U02a, 2; U03b, 2; U07a, 2; U21a, 1; U28a, 1; U33b, 2; U36b, 1.

Enochrus affinis (Thunberg, 1794) – PD: H'01^I, S'01^I – NR: E01b, 1; E02a, 5, b, 7; E03a, 1, b, 7, c, 2; E05a, 1; E06a, 2, b, 1, c, 1; E07a, 2, b, 1, c, 2; E08c, 4; E09b, 1, c, 1; H01c, 4; H03a, 5; H04a, 1, b, 1; H05b, 1, c, 3; H06a, 4, c, 2; H08a, 2, b, 3, c, 1; H09a, 3, c, 1; H10a, 1, b, 2; H11a, 1, b, 4, c, 1; H12a, 2, c, 10; H13b, 6; H14b, 2, c, 1; K02b, 4; K06b, 1; K07b, 9; K09b, 2; K10b, 3; K11b, 7, c, 1; K18b, 2; K19b, 7; K21b, 3; L02a, 1; L06a, 2, b, 1; L08a, 1, b, 1, c, 5; L09a, 1, c, 4; M01a, 7; M02a, 5; M04a, 4; M05a, 3; M06a, 7; M07a, 1; M08a, 4; M11a, 1; S01b, 6; S03b, 5; S06b, 1; T01a, 5, b, 4; T03c, 1; T05c, 1; T06b, 2, c, 7; T07b, 6, c, 7; T09b, 1, c, 4; T11b, 2, c, 1; T14c, 1; U04a, 2; U05a, 1; U07a, 6; U11a, 1; U21a, 2; U22a, 2; U27a, 2; U28a, 1.

Enochrus coarctatus (Gredler, 1863) – PD: U'01^I – NR: E02b, 1; E03a, 3, b, 1; E05a, 1, c, 1; E07a, 1, b, 1; E08b, 1, c, 1; E09b, 1, c, 1; H01c, 1; H03a, 1; H05c, 2; H06a, 4; H08b, 2; H09a, 1; H10a, 1, b, 3; H12a, 2, c, 1; H13b, 4, c, 2; K02a, 2; K03b, 1; K04b, 1; K06b, 2, c, 1; K09b, 1; K11b, 1; K13b, 2; K14a, 1; K15b, 1; K16b, 1; K19b, 1; L02a, 1; L06a, 1, b, 1; L08c, 7; L09a, 2; M05a, 6; M06a, 5; M11a, 2; S01a, 2; S02a, 1; S06a, 4, b, 2; S07b, 1; S08a, 6; S12a, 5; S16c, 1; S18c, 1; S21c, 2; S23a, 1; S26a, 1; S27a, 2; S28a, 9; S29a, 1; T01a, 5, c, 1; T03a, 3; T04a, 1; T05b, 1; T06b, 1, c, 3; T07b, 1, c, 2; T08b, 4; T10b, 2; T12b, 1; U02a, 1; U03a, 1; U05a, 1; U07a, 1; U08a, 1; U09b, 2; U11a, 5; U12a, 10; U15a, 1; U17a, 1; U21a, 2; U24a, 1; U27a, 4; U28a, 4; U31c, 1; U33b, 1, c, 1; U36b, 1.

Enochrus cf. nigratus (Sharp, 1872) – NR: K01b, 2; K02b, 2; K06b, 1; K07b, 2; K12b, 1; S01b, 1; S04a, 1; S08a, 1; S10a, 1; S27a, 2; S28a, 2.

Helochares lividus (Forster, 1855) – NR: H02c, 1; H04a, 1; H05b, 1; H06a, 1; H08a, 2; L09c, 1; T03c, 1.

Helochares obscurus (O.F.Müller, 1776) – PD: H'01^I, S'01^I/05^{XIV}, U'01^I – NR: E01a, 1, b, 9, c, 1; E02a, 3, b, 5; E03b, 10, c, 4; E05b, 2, c, 2; E06a, 2, b, 5; E07a, 3, b, 14, c, 2; E08b, 5, c, 1; E09c, 1; H01b, 1, c, 1; H03a, 3, b, 4; H04a, 1, b, 3, c, 2; H05b, 2, c, 3; H06a, 2, b, 2, c, 4; H07b, 1; H08a, 2, b, 5; H09b, 4; H10a, 3, b, 1; H11a, 1, b, 1, c, 3; H12a, 1, b, 6, c, 2; H13b, 9, c, 6; H14b, 4; K01b, 3; K02b, 6; K04b, 2; K05c, 1; K06b, 7, c, 2; K07b, 5; K08b, 2, c, 1; K09b, 2; K10b, 8, c, 1; K11b, 8, c, 1; K13a, 1, b, 1, c, 1; K15b, 1; K16b, 3; K18b, 2; K19b, 5; K20b, 9; L02a, 1; L03a, 3; L04a, 1; L06a, 1, b, 5; L08a, 1, b, 2, c, 5; L09a, 3, b, 1, c, 5; M01a, 2; M04a, 1; M05a, 3; M06a, 1; M08a, 10; M11a, 1; S01b, 14; S03b, 11; S04a, 1; S05b, 2; S06a, 1, b, 6; S19b, 1, c, 2; S22c, 1; S28a, 1; S29a, 1; T01a, 3, b, 3, c, 2; T02a, 1; T03a, 5; T05b, 1; T06b, 9, c, 1; T07b, 9, c, 2; T08b, 7; T09a, 1, b, 1, c, 5; T10b, 1; T11b, 5, c, 1; T12a, 2, b, 1; T13b, 1; T14b, 5, c, 4; U01a, 3; U02a, 2; U03a, 2; U04a, 6; U05a, 2; U07a, 6; U09b, 9; U10a, 1; U11a, 1; U12a, 2; U14a, 1; U15a, 2; U17a, 3; U18a, 1; U21a, 1; U22a, 2; U24a, 1; U27a, 1; U28a, 1; U33b, 5; U36b, 3; U38b, 5.

Hydrobius fuscipes (Linnaeus, 1758) – PD: H'01^I, S'01^I, U'01^I – NR: E01a, 1; E02b, 1; E03a, 1, b, 3; E05b, 1; E06a, 1, b, 1, c, 1; E07a, 4, c, 1; H04b, 4, c, 1; H06a, 3; H08a, 3; H10a, 2, c, 1; H11a, 1, b, 1; H12b, 1, c, 1; H13b, 2; H14b, 2; K01b, 2; K02a, 1, b, 2; K03a, 2, b, 2; K05c, 2; K06b, 4; K07b, 9; K09c, 3; K10b, 2; K11b, 2; K13b, 3; K14a, 1; K16b, 1; K19b, 1; K20b, 1; K21b, 2; L01a, 1; L02a, 2; L04a, 1; L06b, 1; L08b, 5; M04a, 1; M05a, 2; M06a, 4; M11a, 3; S01a, 3; S04a, 1; S06a, 1; S08a, 1; S12a, 1; S23a, 1; S24a, 1; S25a, 1; S26a, 3; S27a, 1; T01a, 2, b, 4; T02a, 2; T03a, 7; T09a, 1, b, 1, c, 1; T10b, 3; T11b, 5, c, 1; T12a, 1; T14b, 2, c, 1; U01a, 4; U03a, 9; U04a, 2; U05a, 12; U06a, 2; U07a, 8; U08a, 3; U09a, 1, b, 1; U10a, 7; U12a, 10; U14a, 5; U15a, 11; U18a, 5; U21a, 7; U22a, 3; U24a, 4; U25a, 6; U27a, 17; U28a, 9; U29a, 7; U33b, 3; U37b, 5; U39a, 1, b, 1.

Limnoxenus niger Zschach, 1788 – PD: H'01¹ – NR: E01a, 3, c, 2; E03b, 1; E05a, 3, b, 1; E06a, 2, b, 1; E07a, 4, b, 1; E08b, 1; H03a, 4; H04a, 1; H05b, 1; H06a, 2; H08a, 1; H09b, 1; H10a, 3, b, 1; H11a, 3; H12a, 1, c, 1; H13b, 8, c, 3; H14b, 2, c, 1; K01b, 6; K05c, 1; K06b, 1; K08b, 2; K09c, 2; K10b, 1; K11b, 2; K14a, 1; K18b, 1; K19b, 1; L01a, 1; L02a, 2; L03a, 5; L04a, 5; L06a, 4; L08a, 3; L09a, 1; M01a, 1; M05a, 1; M06a, 1; M07a, 2; M08a, 5; M11a, 3; S01a, 2, b, 2; S03b, 2; S25a, 3; T01a, 3; T03a, 1; T07c, 1; T09c, 1; T10a, 1; T11b, 2, c, 5; T12b, 1; U04a, 1; U07a, 1; U09b, 3; U12a, 1; U17a, 1; U28a, 1; U31b, 2; U33b, 1; U36b, 6.

Hydrochara caraboides (Linnaeus, 1758) – PD: S'01¹, U'01¹ – NR: H01c, 1; H04b, 1; H07c, 2; H08a, 1; H09c, 1; K01b, 2, c, 1; K05b, 2, c, 2; K06b, 1; K07b, 5, c, 4; K08b, 2; K09b, 2; K10b, 2; K11b, 3; K12b, 2, c, 1; K14a, 1; K15b, 2; K16b, 2; K18b, 2; K19b, 3; K20b, 8; S03b, 1; S26a, 3; U11a, 2; U12a, 1; U14a, 2; U15a, 1; U27a, 1; U28a, 1; U29a, 1.

Hydrochara dichroma (Fairmaire, 1892) – NR: K04c, 1; M01a, 1; U28a, 1.

Hydrochara flavipes (Steven, 1808) – PD: H'01¹, S'01¹ – NR: E01a, 1, c, 1; E03b, 2, c, 2; E07b, 2, c, 2; E08c, 4; H01c, 3; H04a, 1, c, 1; H05c, 1; H06c, 2; H07c, 2; H08c, 1; H11a, 1; K01b, 1; K06b, 2; K18b, 1; L04a, 1; L06b, 1; L07b, 1; L08a, 1, b, 2, c, 1; M06a, 1; S01b, 1; S03b, 4; S25a, 1; T01a, 1; T07c, 1; T09c, 4; T11c, 1, b, 1; U11a, 12; U36b, 1.

Hydrophilus aterrimus Eschscholtz, 1822 – NR: K02a, 1; L08b, 1; M08a, 1; S01b, 1; S03b, 1; S06b, 1; U04a, 1; U19b, 1; U33b, 1; U34b, 2.

Hydrophilus piceus (Linnaeus, 1758) – NR: E07c, 1; H05b, 1; H09a, 1; H10b, 1; H11a, 1; K02b, 1; K06c, 1; K07c, 1; K15b, 2; L02a, 1; L03a, 2; M08a, 3; M11a, 1; T01b, 1; T08b, 1; T11b, 1; T12a, 1.

Berosus luridus (Linnaeus, 1761) – PD: S'05^{XIV}, U'01¹ – NR: E03a, 1; H03a, 1; H04a, 1; H06a, 1; L02a, 1; L04a, 1; M01a, 1; M04a, 4; M05a, 2; T02a, 1; T03a, 1; U29a, 1.

Berosus hispanicus Küster, 1847 – NR: T04a, 2.

Berosus geminus Reiche et Saulcy, 1856 – NR: H03a, 2; H09a, 1; L08a, 1; M01a, 2; M02a, 3; M05a, 1; M08a, 1; M11a, 1; T04a, 1.

Berosus signaticollis (Charpentier, 1825) – PD: S'01¹, U'01¹ – NR: E05a, 1; E06a, 1; H01c, 4; H03a, 3; H06a, 3; H08a, 1; H09a, 3; H10b, 1; H11a, 1; H12a, 1; H13b, 1; K09c, 1; K12a, 1; L02a, 1; L03a, 1; L04a, 1; L06a, 3; L08a, 4; L09a, 1; M01a, 5; M02a, 6; M03a, 1; M04a, 2; M06a, 2; M08a, 3; M11a, 3; S08a, 1; S23a, 1; S24a, 1; S25a, 1; S26a, 1; T01a, 1; T02a, 2; T03a, 2; T07a, 1; T11b, 1; U02a, 2; U04a, 3; U05a, 1; U07a, 5; U11a, 3; U17a, 1; U18a, 2; U21a, 1; U22a, 1; U24a, 1; U27a, 5; U28a, 13; U36b, 1.

Berosus frontifoveatus Kuwert, 1888 – PD: H'01¹ – NR: E08b, 1; E09b, 3; H01c, 1; H03b, 2; H04b, 1, c, 1; H05b, 2, c, 2; H07b, 1; H09b, 1; H10b, 1; H11b, 2; H12c, 1; K06b, 1; K21b, 1; L05b, 3; L06a, 2, b, 11; L07b, 2; L08b, 1; L09b, 1; M01a, 2; M03a, 2; M04a, 2; M10b, 2; M11a, 3, b, 2; M12b, 4; S01b, 1; S03b, 13; S06b, 6; S26a, 1; T07c, 1; T10b, 1; T11b, 1; T12b, 1; T14c, 1; U01a, 1; U03a, 1; U04a, 7; U07a, 2; U28a, 2; U34b, 1; U36b, 8.

DRYOPIDAE (Identified by Zoltán Kálmán)

Dryops anglicanus Edwards, 1909 – NR: U18a, 2.

Dryops ernesti Des Gozis, 1886 – NR: U22a, 1; U27a, 5; U28a, 10.

Dryops rufipes (Krynicky, 1832) – NR: U03a, 1; U27a, 8.

Dryops similaris Bolow, 1936 – NR: S23a, 5; S24a, 4; S26a, 1; S29a, 2; U07a, 1; U11a, 1; U15a, 1; U21a, 1; U31a, 1.

SCIRTIDAE (Identified by Andor Lőkkös)

Scirtes hemisphaericus (Linnaeus, 1758) – NR: H10b, 1.

HYDRAENIDAE (Identified by Andor Lőkkös)

Hydraena paganettii Ganglbauer, 1901 – NR: H05b, 1; H06a, 1; H09c, 4; K03a, 1; K19c, 1; U09b, 2; U10b, 3.

Hydraena palustris Erichson, 1837 – NR: E02a, 1; E03a, 1, c, 1; E07b, 1, c, 1; H13b, 1; K03a, 1; K13c, 1; K18b, 1; K19b, 4; L08c, 3; S01a, 1; U09b, 1.

Limnebius aluta Bedel, 1881 – NR: U09a, 1; U10a, 1; U35b, 1.

Limnebius atomus (Duftschmid, 1805) – NR: E08b, 1; H05a, 1, b, 1; H06c, 1; H09c, 1; H11c, 2; H12a, 1, c, 1; H13b, 1, c, 1; K05c, 1; K06b, 1; L08c, 2; M06a, 1; S01b, 1; S05c, 1; S22c, 1; T09c, 1; T14b, 1; U03a, 1; U05a, 1.

Limnebius papposus (Mulsant, 1844) – NR: E01b, 2; E06b, 1, c, 2; H12b, 1, c, 1; K04c, 1; K09b, 1; K12b, 2, c, 1; K18b, 1; K19c, 1; K20c, 2; M01a, 2; M08a, 1; T04b, 1; U04a, 1; U09b, 1; U11a, 3; U17a, 1; U21a, 1; U24a, 2; U36b, 2; U38b, 1; U41b, 1.

Ochthebius bernhardi Jäch et Delgado, 2008 – NR: K07b, 1; K21b, 3; L06b, 1; T11c, 1; U07a, 1; U36b, 1.

Ochthebius lividipennis Peyron, 1857 – NR: K21b, 3; L05b, 1; L06b, 1; S03b, 1; T05b, 1; U06a, 1; U07a, 3; U36b, 1.

Ochthebius meridionalis Rey, 1885 – NR: U14b, 1.

Ochthebius minimus (Fabricius, 1792) – NR: E06b, 2; H01c, 1; H06a, 3; H09a, 2, c, 1; H10c, 1; H12a, 1; H13c, 1; H14b, 1; K06b, 1, c, 1; K07b, 1; K08b, 2; K09b, 1; K10b, 4; K18b, 1; L08b, 1, c, 1; M02a, 2; S01b, 2; T01c, 2; T09b, 1; T10b, 1; U03a, 1; U05a, 5; U06a, 1; U07a, 8; U11a, 1; U12a, 1; U14b, 1; U24a, 1; U35b, 1; U36b, 3; U41b, 5.

Ochthebius pusillus Stephens, 1835 – NR: K05c, 1; K11c, 1; K13c, 1; L08c, 22; L09c, 1; U07a, 1; U12a, 1; U41b, 4.

TRICHOPTERA ((Identified by Arnold Móra)

ECNOMIDAE

Ecnomus tenellus (Rambur, 1842) – PD: H'01^{xv} – NR: E09b, 1; H04c, 4; H05b, 4, c, 4; H12b, 2; T02c, 1; T04b, 1.

HYDROPTILIDAE

Tricholeiochiton fagesii (Guinard, 1879) – NR: U33b, 1.

HYDROPSYCHIDAE

Hydropsyche angustipennis (Curtis, 1834) – PD: H'01^{xv}, U'01^{xv} – NR: H04a, 18, b, 11, c, 11; H05b, 30, c, 16; K10b, 4; K12a, 1; K13b, 1; K20b, 1, c, 4; S29a, 2, b, 4; T01b, 1; U16a, 4, b, 1.

Hydropsyche bulbifera McLachlan, 1878 – PD: U'01^{xv}.

Hydropsyche bulgaromanorum Malicky, 1977 – PD: U'01^{xv}.

Hydropsyche modesta Navás, 1925 – PD: H'01^{xv}, U'01^{xv} – NR: H04a, 4, b, 3, c, 1; H05b, 1.

POLYCENTROPODIDAE

Neureclipsis bimaculata (Linnaeus, 1758) – PD: H'01^{xv} – NR: H04a, 1; H06a, 3; K06b, 3; T03b, 1; T04a, 1.

PSYCHOMYIIDAE

Lype reducta (Hagen, 1868) – NR: T04b, 2.

LEPTOCERIDAE

Athripsodes aterrimus (Stephens, 1836) – NR: T02a, 2.

Leptocerus tineiformis Curtis, 1834 – NR: E07b, 1.

Oecetis furva (Rambur, 1842) – PD: U'01^{xv} – NR: E01b, 4; U03a, 1.

Trienodes bicolor (Curtis, 1834) – PD: S'05^{xvii} – NR: E01b, 1; E07b, 6; T06b, 1.

PHRYGANEIDAE

Agrypnia pagetana Curtis, 1835 – NR: E05b, 1.

LIMNEPHILIDAE

Anabolia furcata Brauer, 1857 – NR: S30a, 2; T02a, 3, c, 1.

Glyptotaelius pellucidus (Retzius, 1783) – NR: U09a, 1; U10a, 1.

Grammotaulius nigropunctatus (Retzius, 1783) – PD: U'01^{xv} – NR: S08a, 1; S26a, 1; U01a, 2; U11a, 7; U15a, 1; U27a, 2; U28a, 5.

Ironoquia dubia (Stephens, 1837) – NR: S29a, 2.

Limnephilus affinis/incisus – PD: S'01^{xv}, U'01^{xv} – NR: L02a, 1; L03a, 1; S06a, 5; S23a, 5.

Limnephilus auricula Curtis, 1834 – NR: S08a, 2.

Limnephilus bipunctatus Curtis, 1834 – PD: S'01^{xv}.

Limnephilus decipiens (Kolenati, 1848) – NR: S29b, 1.

Limnephilus flavicornis (Fabricius, 1787) – PD: S'01^{xv}, U'01^{xv} – NR: E05a, 3; E06a, 1; H06a, 1; H11a, 1; K02a, 1, c, 1; K03a, 2; K04c, 1; K06a, 1, c, 2; K12a, 2, b, 1; K13a, 1;

K15a, 2; K16a, 3; M11a, 1; S01b, 1; S06a, 8; S27a, 1; S28a, 3; S29a, 1; S30a, 4; T01a, 2; T03a, 1; T04b, 1; U01a, 2; U10b, 1; U11a, 10; U12a, 2; U15a, 2; U28a, 5.

Limnephilus griseus (Linnaeus, 1758) – PD: S'01^{XV} – NR: U28a, 5.

Limnephilus lunatus Curtis, 1834 – PD: S'01^{XV} – NR: K16a, 2; S30a, 9; T01a, 1; T02a, 1; T03a, 3; T04a, 1; U16a, 1.

Limnephilus vittatus (Fabricius, 1798) – PD: S'01^{XV}, S'05^{XVII}.

Micropterna nycterobia McLachlan, 1875 – NR: U27a, 1.

MEGALOPTERA (Identified by Réka Boda)

SIALIDAE

Sialis lutaria (Linnaeus, 1758) – NR: E01b, 1, c, 1; E02b, 1, c, 1; E05a, 3; E06c, 1; E07b, 4; E09c, 1; H03b, 1; H04b, 4, c, 4; H05b, 7, c, 6; H06b, 5; H07b, 2; H09b, 3, c, 2; H12b, 1; K12b, 2; K14b, 3; K15b, 1; K20b, 1; L08b, 4; L09b, 1; S30a, 1; T01b, 3, c, 6; T02a, 2, b, 2, c, 5; T03a, 1, c, 7; T04c, 5; T06a, 1, b, 7, c, 3; T07c, 1; T08b, 1; T09b, 2; T10b, 3; T11b, 1; T12a, 5; T13b, 7; T14b, 6, c, 3.

Sialis morio Klingstedt, 1932 – NR: E01b, 1; E02a, 1, b, 5; E03a, 1; E05b, 3, c, 1; E06a, 1; E07a, 4, b, 1; E09b, 1; H02c, 1; H06b, 7, c, 1; H08a, 1; H11c, 1; H14b, 1; K05b, 1; K06b, 3; K10b, 5, c, 5; K12a, 1, b, 1, c, 1; K14b, 3; K15b, 2, c, 11; K18b, 4; K19b, 3; S30a, 2; T01a, 1, b, 4; T02a, 3, b, 6, c, 2; T03b, 7, c, 2; T04a, 3, b, 2; T05b, 2, c, 1; T06a, 1; T08b, 1; T09a, 1; T10a, 1, b, 1; T11a, 1; T12a, 3, b, 5; T14c, 1.

DIPTERA

CHIRONOMIDAE (Identified by Arnold Móra)

Prodiamesa olivacea (Meigen, 1818) – NR: K03a, 1e; K05a, 1e; T03a, 3e; T04a, 1e.

Ablabesmyia longistyla Fittkau, 1962 – NR: E01a, 1L+ 8e, b, 2e; E02a, 10e, c, 1L+1e; E03a, 1L+10e; E05a, 3L+11e; E06a, 1e; E07a, 12e, b, 1L, c, 1e; E08b, 3e, c, 5L; E09b, 5e, c, 1L; H01a, 2L; H04b, 1e; H06a, 1e; H07c, 3L; H09a, 1e; H11b, 1e, c, 1L; H12a, 9e; K06b, 2L; K10b, 1e; K12b, 1e; K18b, 6e; K19b, 2e, b, 2L; K20b, 8e; L09b, 1e; T01a, 2e, b, 1e; T02b, 1L; T03b, 3L+1e; T04a, 1L, b, 8L+1e, c, 2L; T05a, 1L; T06a, 1L+7e, b, 6e, c, 1L; T09a, 3e; T10b, 2L; T12a, 3e.

Ablabesmyia phatta (Egger, 1864) – NR: E07c, 2L;

Anatopynia plumipes (Fries, 1823) – NR: M11b, 1L; U10a, 1i; U26a, 3e; U30a, 1e; U31a, 1e.

Arctopelopia griseipennis (van der Wulp, 1859) – NR: S30a, 1L+1e.

Clinotanytus cf. ***pinguis*** (Loew, 1861) – NR: E01a, 5L, b, 1L; E02a, 3L; E03a, 15L; E05a, 2L+1e; E06a, 1L; E07a, 3L; E09b, 1e; H02b, 5L+2e, c, 1L; H03b, 2L; H04a, 4L; H06b, 1L; H09c, 1L; H10a, 2L, c, 1L; H11a, 3L; H12a, 2L, b, 1L; K06b, 4L; K10b, 1L; K12b, 1L; K15c, 1L; K18b, 1L; L08b, 1L; L09a, 1L; S29b, 2L; S30a, 5L; T01a, 25L, b, 1L; T02a, 8L, c, 1L; T03a, 1L, c, 4L; T05a, 5L; T06a, 9L; T09a, 12L, b, 2L; T11a, 6L; T12a, 2L; T13b, 1L.

Conchapelopia melanops (Meigen, 1818) – NR: E01a, 1L+1e; E02a, 2e; E05a, 1e; H08b, 1L; T06a, 2e; T09a, 1e.

Guttipelopia guttipennis (van der Wulp, 1861) – NR: T01b, 1e.

Macropelopia nebulosa (Meigen, 1804) – NR: E02a, 1e; E05a, 1L; E07a, 1e.

Monopelopia tenuicalcar (Kieffer, 1918) – NR: H09a, 2e; M06a, 1L+2e; M08a, 6e; M11a, 2e; S05b, 1e; S15b, 1L; S19b, 2e; U19b, 8e; U30a, 1L; U33b, 2e; U34b, 11e.

Procladius choreus (Meigen, 1804) – NR: E02a, 10e; E03a, 3e; E05a, 1e; E07a, 6e; E08b, 4e; E09b, 1e; H02b, 5e+1i; H09a, 1e; H11a, 2e; H12a, 5e; K10b, 1L+1e; K12b, 1e; S30a, 7L+5e; T01a, 1e; T02b, 2e, c, 1e; T03a, 3e, b, 1e, c, 2e; T04a, 1e, b, 4e; T06a, 7e, b, 2e; U30a, 2e.

Psectrotanytus varius (Fabricius, 1787) – NR: H02b, 1L+6e; K14b, 1e; M01a, 6L; M02a, 1L.

Tanytus kraatzi (Kieffer, 1912) – NR: E07b, 5L, H02b, 5L+2e; H03b, 2L; H04b, 1e; H06c, 1L; H12a, 1L+1e; K07b, 4e; L05b, 6L; L06b, 2L; M06a, 9e; M07b, 1L; M08a, 3e; M09a, 1L; M11a, 1L; S03b, 1L; T06a, 1L; T08b, 2L; T09b, 1L; T11b, 1L; T14b, 3L, U38b, 2L+ 5e.

Tanytus punctipennis Meigen, 1818 – NR: E09b, 1e; H04a, 1L+2e, b, 1e, c, 2e; H11b, 3e; M08a, 1e; T06b, 9e.

- Xenopelopia falcigera*** (Kieffer, 1911) – NR: E07a, 1e; E09c, 1L; H14b, 1L; K02a, 2L+2e; K10b, 1L; K13a, 3L; U09a1L; U22a1L; U26a2L+6e.
- Acricotopus lucens*** (Zetterstedt, 1850) – NR: M01a, 2L+13e; M02a, 6L+38e; M03a, 18e; M04a, 1L+16e; M05a, 4L+4e; M06a, 5e; M08a, 6L+1e; M11a, 1L+25; U10a, 1L+5e+1i; U26a, 1L+5e; U31a, 5e.
- Chaetocladius piger*** (Goetghebuer, 1913) – NR: E02a, 1L; U16a, 3e.
- Corynoneura coronata*** Edwards, 1924 – NR: E02a, 1e; E07a, 1e; K03a, 6L+2e; K07b, 2e; K10b, 2e; K12b, 10e; K18b, 1e; K19c, 1e; S29a, 1e; S30a, 1e; U16b, 1e, c, 1L+1e.
- Corynoneura lobata*** Edwards, 1924 – NR: E01a, 9e; E03a, 1e; E06a, 1e; K09c, 1L; K10b, 10e; K12b, 8e; K18b, 2e; K19b, 5e; K20b, 1e; S29b, 1e.
- Corynoneura scutellata*** Winnertz, 1846 – NR: E03a, 1e; E07a, 1e; L09a, 1e; M02a, 1e; M06a, 7L; T04c, 1L; U10a, 2L.
- Cricotopus albiforceps*** (Kieffer, 1916) – NR: E02a, 1e.
- Cricotopus annulator*** Goetghebuer, 1927 – NR: H04c, 1e.
- Cricotopus bicinctus*** (Meigen, 1818) – NR: E01a, 14e; E02a, 3e; E03a, 10e; E05a, 1L+1e; H04b, 1e, c, 3L+6e; H05b, 1e, c, 4e; H11a, 1L; K03a, 1e; K05a, 2e; K19b, 4e, c, 4e; S29a, 1e; T01a, 4L+11e, b, 1L+9e; T02a, 1L+1e, b, 1L; T03a, 2L+1e; T04a, 1L+1e; T05a, 1L; T06a, 10e.
- Cricotopus festivellus*** (Kieffer, 1906) – NR: H10a, 1e.
- Cricotopus triannulatus*** (Macquart, 1826) – NR: E08c, 1L; H04a, 7e, c, 7e; H05b, 3e, c, 5e.
- Cricotopus intersectus*** (Staeger, 1839) – NR: H05b, 1e; H07b, 1e; H09b, 1e.
- Cricotopus ornatus*** (Meigen, 1818) – NR: H10b, 1e; L03a, 2L; L08a, 1L; M08a, 1L; M11a, 2L; S05b, 4e; S06b, 1L; S10b, 1e, c, 1L; S18b, 2L+9e; S19b, 2L+10e; S21b, 1e, c, 1e; S22b, 5e.
- Cricotopus sylvestris*** (Fabricius, 1794) – NR: E01a, 1, a, 3; E02a, 1; H04b, 4L+6e, c, 10L+15e; H05b, 2e, c, 2L+2e; H07b, 3L+12e; H09b, 1L; H10a, 3L, b, 1L+9e; H11a, 1L, b, 1L+3e; H12a, 1e, b, 1L; L02a, 1L; L03a, 1L+5e; L09a, 2L, c, 1L; M01a, 1e; M08a, 2L; S05b, 2L+2e; S10b, 2e; S15b, 2L; S18b, 2L+1e; S19b, 1e; S22b, 1L; T01b, 1L+4e; T06b, 1L; T10a, 1L; T11c, 1L; U30a, 3e.
- Cricotopus trifasciatus*** (Meigen, 1810) – NR: E02a, 1e; H03a, 1L; U26a, 9L; U30a, 1L.
- Diplocladius cultriger*** Kieffer, 1908 – NR: U16a, 89e+4i.
- Epoicocladius ephemeræ*** (Kieffer, 1924) – NR: E05a, 1e; E06a, 1e.
- Eukiefferiella brevicar*** (Kieffer, 1911) – NR: H04a, 3e.
- Eukiefferiella claripennis*** (Lundbeck, 1898) – NR: H04a, 3e.
- Hydrobaenus lugubris*** Fries, 1830 – NR: K02a, 1L; K03a, 23L+14e; K05a, 19e; S30a, 1e; U10a, 1L+1e; U16a, 10e+3i; U30a, 1e.
- Hydrobaenus pilipes*** (Malloch, 1915) – NR: T06a, 1L; U16a, 4L+9e.
- Limnophyes pentaplastus*** (Kieffer, 1921) – NR: H08a, 1e.
- Metriocnemus eurynotus*** (Holmgren, 1883) – NR: E03a, 1L; E07a, 1L; H08a, 8L+6e; T01a, 1e.
- Nanocladius dichromus*** (Kieffer, 1906) – NR: E01a, 2e; E07a, 1e; H05c, 1e; K12b, 10e; T01a, 2e; T06a, 1e.
- Nanocladius rectinervis*** (Kieffer, 1911) – NR: U16a, 8e, b, 1e.
- Orthocladius rivulorum*** Kieffer, 1909 – NR: S29a, 2L.
- Orthocladius thienemanni*** Kieffer, 1906 – NR: H04a, 2e; U16a, 1L; U30a, 1e.
- Orthocladius excavatus*** Brundin, 1947 – NR: U30a, 2e; U31a, 17e.
- Orthocladius glabripennis*** (Goetghebuer, 1921) – NR: E01a, 6e; E02a, 11e; E03a, 26e; E05a, 2e; E06a, 1e; E07a, 1e; H11a, 4e; H12a, 1e; K03a, 2e; K05a, 3e; S29a, 1e; T02a, 1e; T09a, 1e, U16a, 3e, c, 4e; U31a, 3e.
- Orthocladius oblidens*** (Walker, 1856) – NR: E01a, 3e; E02a, 2e; E03a, 13e; E06a, 1e; H01a, 5e; H04a, 1e; T01a, 16e; T06a, 2e.
- Orthocladius pedestris*** Kieffer, 1909 – NR: S29a, 2e.
- Orthocladius rhyacobi*** Kieffer, 1911 – NR: E01a, 1e; E03a, 1e; H01a, 6e; H04a, 1e.
- Orthocladius rubicundus*** (Meigen, 1818) – NR: H01a, 1e.
- Orthocladius wetterensis*** Brundin, 1956 – NR: U30a, 2e; U31a, 8e.
- Paralimnophyes longiset*** (Thienemann, 1919) – NR: S04a, 1L+1e; S26a, 1L; U15a, 1L.

- Parametriochnemus stylatus*** (Spärck, 1923) – NR: H04b, 1e; S29a, 1e, b, 10e; S30a, 3L.
- Paratrichocladius rufiventris*** (Meigen, 1830) – NR: E01a, 3e; E03a, 1e; H04a, 28e, b, 1e; H05b, 2e, c, 1e; H06a, 1e; H11a, 1e; T01a, 1e.
- Psectrocladius obvius*** (Walker, 1856) – NR: M01a, 1e; M02a, 1e; M04a, 2e; M11a, 1e.
- Psectrocladius limbatellus*** (Holmgren, 1869) – NR: H03a, 1L; M01a, 1L; M02a, 8L+2e; M03a, 2L+2e; M04a, 1L; M05a, 3L; M06a, 1L; M11a, 4L; U26a, 1e; U30a, 4e; U31a, 3e.
- Psectrocladius octomaculatus*** Wülker, 1956 – NR: E07a, 1L; M02a, 1L; T03a, 1L.
- Psectrocladius sordidellus*** (Zetterstedt, 1838) – NR: M11a, 1e; U10a, 1i; U26a, 1e.
- Rheocricotopus chalybeatus*** (Edwards, 1929) – NR: H04b, 1e, c, 4e; H05b, 11e, c, 5e; K10b, 1e; K19b, 1e; S29b, 1e.
- Rheocricotopus fuscipes*** (Kieffer, 1909) – NR: T02a, 1e.
- Synorthocladius semivirens*** (Kieffer, 1909) – NR: E01a, 9e; E02a, 3e; E03a, 4e; E06a, 1e; E07a, 2e; H01a, 4e; T12a, 1e.
- Trissocladius brevipalpis*** Kieffer, 1908 – NR: U15a, 4L+9e; U27a, 2L; U28a, 2L.
- Chironomus annularius*** Meigen, 1818 – NR: E08b, 2e; E09b, 1e; H03b, 5L; H05b, 1L; H06b, 1L; H07a, 1L; H08a, 1L; H12a, 2e; H14b, 2L; K19b, 1L; L05b, 2L; L06b, 1L; L08a, 10e; L09a, 3L+6e; M01a, 8L; M02a, 4L; M03a, 5L; M04a, 6L; M08a, 1L; M11a, 14L; S06b, 2L; S13c, 1L; S20c, 2L; S22c, 3e; T01a, 1e; T03a, 1e; T06b, 3e; T11a, 2e; T12a, 9e, b, 2e; T13a, 4e; U31a, 1e.
- Chironomus balatonicus*** Dévai, Wülker et Scholl, 1983 – NR: H04a, 1e; L09a, 1e, b, 5e, c, 1e; S05a, 2e; S10c, 2L; S13c, 10L; S17c, 12L; S20c, 2L; S22c, 2L; T13a, 1e.
- Chironomus commutatus*** Keyl, 1960 – NR: E07b, 1L; K19b, 2L; T03c, 2L; T06b, 2L.
- Chironomus lugubris*** Zetterstedt, 1850 – NR: S21c, 1e; S29b, 1e; U31a, 1e.
- Chironomus luridus*** Strenzke, 1959 – NR: H03b, 1L; H11a, 1e; K15b, 2e.
- Chironomus nudatarsis*** Keyl, 1961 – NR: E03c, 1L; E07b, 2L; H02b, 1L; H03b, 2L; H04a, 1L; H06c, 1L; H08b, 1L; H09a, 1e; H11a, 1L+2e; H12a, 10e, b, 1L, c, 1L; K14b, 2e; L03a, 1L; L04a, 5L; L05b, 10L; L06a, 1L, b, 1L; L07b, 1L; L08a, 1L+5e, b, 2L; M01a, 3L; M02a, 1L; M03a, 1L; M04a, 1L; M06a, 2e; M08a, 3e; M11a, 2L+2e; S06b, 5L; S10c, 5L; S13c, 1L; S14b, 1L, c, 5L; S16c, 3L; S20c, 2L; S21c, 3L; S22c, 2e; T01b, 1L; T06b, 1L; T07b, 1L; T11a, 1e, b, 6L; T13a, 1e; U10a, 1i; U30a, 6e; U31a, 3e.
- Chironomus obtusidens*** Goetghebuer, 1921 – NR: H09a, 3e.
- Chironomus pallidivittatus*** Edwards, 1929 – NR: H03b, 5L; K15a, 3L; L03a, 1e; L05b, 1L+1e; L06b, 1L; L08b, 1L; M03a, 2e; M04a, 1e; M05a, 2e; M06a, 15e; M08a, 1e; M11a, 5e; S03b, 9L+4e; S05a, 1e, b, 1L; S06b, 1L+1e; S07b, 2L; S09b, 1L; S14b, 1L, c, 3L; S15b, 1e; S16c, 1L; S17c, 1L; S18b, 1L, c, 9L; S19b, 2L, c, 1L; S21c, 7L; S22b, 1L, c, 1L.
- Chironomus parathummi*** Keyl, 1961 – NR: E05c, 2L; E06b, 1L, c, 1L; E07c, 1L; H06b, 1L; H08a, 1L, b, 10L; c, 15L; H10b, 1L; H13c, 1L; H14b, 9L; L08a, 2L, b, 1L; M01a, 2L; M02a, 4L; M03a, 1L; M04a, 3L; M05a, 1L; T09b, 1L; T10b, 1L.
- Chironomus piger*** Strenzke, 1956 – NR: H02b, 2e; K02a, 13e; K05a, 1e; K14a, 1e; K19b, 1e; L02a, 3L; L03a, 7L+8e; L08a, 5e; L09a, 1e; M01a, 7L; M02a, 2L; M03a, 5L+4e; M04a, 1L; M05a, 2e; M08a, 1e; M11a, 5L+2e; S10a, 2L; S22c, 2e; S30a, 1L; U10a, 1e; U26a, 15e; U30a, 10e; U31a, 12e; U39a, 2e.
- Chironomus piger/riparius*** – NR: H06b, 1L; H07a, 1L; H12b, 1L; K09b, 27L; K15c, 1L; K19b, 16L; S10a, 2L; S30a, 1L.
- Chironomus plumosus*** (Linnaeus, 1758) – NR: E09b, 1e; H02b, 1L; H04a, 3e; H05b, 6, c, 2L+2e; H06a, 2L+5e, b, 20L; H07a, 2L+1e, b, 7L+2e, c, 5L; H08a, 3L, b, 4L; H09a, 2L+1e, b, 1L; H10a, 1e, b, 1L; H11a, 7e; H12a, 1L+16e, b, 7L, c, 1L; K05a, 1e; L03a, 2e; L04a, 2e; L05b, 4L+1e; L06b, 2L; L07b, 1L; L08a, 5L+9e, b, 3L; L09a, 8e, b, 7L+3e, c, 2e; M06a, 4e; M07b, 2L; M08a, 21e, b, 1L; M09a, 1L; M10b, 4L+5e; M11b, 4L; S05a, 8e; S17c, 2e; S21c, 3e; S22c, 3e; T06b, 2L+e3; T08b, 2L; T12a, 4e, b, 2e; T13a, 6e; U31a, 3e.
- Chironomus pseudothummi*** Strenzke, 1859 – NR: E01c, 7L; E05c, 7L; E07a, 1e; H02b, 4e; H06b, 3L; H08a, 1L; H09a, 2L+1e; K06b, 2L; K08b, 5L+1e; K09b, 10L; K10b, 1L; K14a, 17L, b, 4e; K15a, 19L, b, 4L, c, 1L; L02a, 1L; L06a, 1L; L08a, 1e; M02a, 1L; M06a, 1e; M11a, 1e; S22b, 1e; S29b, 18L; U38b, 1e.
- Chironomus riparius*** Meigen, 1804 – NR: E03a, 4e; E07a, 1e; K02a, 1e; K14a, 2e.

- Chironomus uliginosus*** Keyl, 1960 – NR: M01a, 6L; M02a, 6L; M03a, 1L; M04a, 3L; M11a, 1L; S05b, 1L, c, 2L; S07b, 1L; S14b, 1L, c, 4L; S15b, 1L, c, 2L; S16c, 2L; S18b, 1L; S19c, 1L; S21c, 1L; S22c, 7L; U02a, 1L; U09a, 19L; U10a, 6L; U11a, 1L; U19b, 1e; U26a, 1L; U30a, 1L; U39a, 2L; U40b, 5L.
- Chironomus dorsalis*** Meigen, 1818 – NR: H09b, 1L; K15b, 2e.
- Cladopelma goetghebueri*** Spies et Saether, 2004 – NR: E02c, 4e; K07b, 2e; T04c, 1e.
- Cladopelma virescens*** (Meigen, 1818) – NR: T01b, 1L; T02c, 2e; T06a, 1e, b, 4e; T13b, 1L.
- Cryptochironomus defectus*** (Kieffer, 1913) – NR: H02b, 1L; T02a, 1L; T03a, 1L.
- Cryptochironomus obreptans*** (Walker, 1856) – NR: L09b, 1e; M08a, 1e; U16b, 1e.
- Cryptochironomus supplicans*** (Meigen, 1830) – NR: E09b, 4e; H10a, 1e; H11a, 1e; H12a, 1e; L08b, 1L; L09b, 2e; M08b, 1L; T06b, 2e.
- Cryptotendipes pseudotener*** (Goetghebuer, 1922) – NR: E09b, 1e; H12a, 1e.
- Dicrotendipes lobiger*** (Kieffer, 1921) – NR: E06a, 1e; M06a, 2e; M08a, 1e.
- Dicrotendipes nervosus*** (Staeger, 1839) – NR: E02a, 2e, c, 1L; E03a, 1e; E07a, 2e; H01a, 1e; H04a, 2e; H05c, 1e; H06a, 3e; H08a, 2e; H09a, 4e; H10a, 12e; H11a, 6e, b, 2e; H12a, 3e, b, 2L; K09b, 1L; K10b, 4e; K12a, 1L; K18b, 2e; K19b, 4e; K20b, 1e; T01a, 1e, b, 5e; T02a, 2e, c, 2e; T03a, 8e; T04a, 4e, b, 2L, c, 1L; T06a, 9e, b, 2e; T13a, 1e.
- Dicrotendipes notatus*** (Meigen, 1818) – NR: H14b, 2L; K14b, 5e; K15b, 24e; M11a, 1e; T01c, 1e; T02a, 1e, c, 1L+3e; T03c, 1L+1e; T04b, 9L, c, 2L; T06a, 3e, b, 1e; T12a, 1e; U19a, 1L.
- Einfeldia pagana*** (Meigen, 1838) – NR: H04c, 1e; H05c, 1e; S01a, 1L; T09a, 1e.
- Endochironomus tendens*** (Fabricius, 1775) – NR: E08b, 4e; E09b, 1L; H06a, 2e; H09a, 1L+2e; H10a, 4L+3e; H11a, 3e, b, 8L, c, 1L; H12a, 4e, b, 1L, c, 9L; H14b, 2L; L07b, 1L; L09a, 1L, c, 2L; S01b, 1L; S05b, 1L; S10b, 1e; S13b, 1L; S14b, 3L; S16b, 3L; S19b, 1L+1e; S21b, 1L; S22c, 1L; T02a, 1e; T03a, 1e.
- Glyptotendipes caulicola*** (Kieffer, 1913) – NR: H11c, 7L; H12c, 1L; M08a, 1e; S05b, 1e; U09a, 2L, b, 1L+1e, c, 2L; U33b, 5e, c, 2L; U39a, 2L.
- Glyptotendipes viridis*** (Macquart, 1834) – NR: U33b, 1L.
- Glyptotendipes barbipes*** (Staeger, 1839) – NR: L03a, 1e; M06a, 4e; M08a, 1e; S03b, 1L+3e; S05b, 1L+1e; S06b, 1L; S10b, 4L, c, 1L; S14b, 8L; S16b, 5L; S18b, 1L; S19b, 8L; S21b, 9L; S22b, 4L.
- Glyptotendipes cauliginellus*** (Kieffer, 1913) – NR: H10a, 2L+1e; H11b, 1L; M07a, 1L; S15b, 1L; S18b, 1L; S19b, 1L; S21b, 1L, c, 2L; T06c, 1e; U09a, 5L, b, 4L, c, 1L; U19b, 3L+2e; U26a, 1L; U32b, 1e; U33b, 9L+4e; U34b, 2L; U39a, 3L; U40b, 1L.
- Glyptotendipes pallens*** (Meigen, 1804) – NR: H04a, 1L+10e, c, 2L+9e; H05b, 4L, c, 1L+1e; H06a, 5e, b, 1L; H09a, 1e, b, 2L; H10a, 4e; H11a, 1L+8e, b, 3L+6e; H12a, 8e, b, 6L, c, 1L; H14b, 14L; L08b, 8L+1e; L09a, 3L, b, 1L+5e, c, 9L+7e; M07a, 1e; M08a, 1L+1e; S03b, 1e; S06a, 1L; S10b, 2L+2e, c, 3L; S14b, 4L, c, 5L; S16b, 2L, c, 9L; S18b, 6L; S19c, 1L; S20c, 3L; S21b, 6L, c, 2L; S22b, 7L, c, 5L; T01b, 1L; T06a, 1L+3e, c, 2e; T09c, 1L; T11b, 1L+1e, c, 1L; T12c, 3L; T14b, 1L; U26a, 13L; U33c, 1L.
- Glyptotendipes paripes*** (Edwards, 1929) – NR: L09c, 2e.
- Glyptotendipes signatus*** (Kieffer, 1909) – NR: E09b, 1e.
- Harnischia curtilamellata*** (Malloch, 1915) – NR: H01a, 1e; T06b, 2e.
- Harnischia fuscimanus*** Kieffer, 1921 – NR: H08a, 1e; H10a, 1e; S29b, 1e; T12a, 1e.
- Kiefferulus tendipediformis*** (Goetghebuer, 1921) – NR: E02a, 1L; E05a, 1e; E06a, 4e; E07a, 1e, c, 1e; E08b, 12e; E09b, 5e; H02b, 1e; H04a, 1e; H06a, 1e, b, 1L; H08a, 1L+3e; H09a, 2L+23e, b, 1L+1e; H10a, 7L+16e, b, 2L+1e; H11a, 19e, b, 3e, c, 1L; H12a, 15e, c, 1L; H13b, 2L; H14b, 19L; K02c, 1L; K04c, 1L; K06b, 1L; K10b, 1e; K14b, 3e; K15b, 3e, c, 1L; K18b, 1e; L08a, 1L; L09a, 2e, b, 3e; S05b, 1L; S14b, 2L; S15b, 3L+1e, c, 1L; S19b, 2L; S21b, 6L+2e; T01a, 6e; T02a, 2L+3e, c, 1L+2e; T03a, 1L+3e, b, 1L; T04a, 1L+2e, b, 1L; T06b, 7e, 6c, 2e; T07a, 1L; T09a, 2e.
- Micropsectra junci*** (Meigen, 1818) – NR: U16a, 46e.
- Microtendipes britteni*** (Edwards, 1929) – NR: H01a, 5.
- Microtendipes chloris*** (Meigen, 1818) – NR: E02c, 1L; E05b, 1L; K03a, 5e; K05a, 1e; S29a, 1e; S30a, 3e.

- Microtendipes pedellus*** (De Geer, 1776) – NR: E01a, 7e; E02a, 1L+9e, c, 9e; E03a, 5e; E05a, 2e; E07c, 1e; E08b, 8e; E09b, 2e; H01a, 3e; H02b, 1e; H04a, 2e; H05b, 2e; H06a, 1e; H11b, 1e; K10b, 3L+2e; K12a, 1L, b, 1e; K18b, 7e; K19b, 4e; L09a, 1e; S30a, 13e; T01b, 2e; T02a, 1L+1e, b, 4e, c, 6e; T03a, 9e, b, 7e, c, 7L+1e; T04a, 5e, b, 2L+11e; T06a, 1e, b, 2e, c, 1e; T12a, 1e; U16b, 2L+2e, c, 2e.
- Parachironomus cinctellus*** (Goetghebuer, 1921) – NR: E07a, 1e.
- Parachironomus gracilior*** (Kieffer, 1918) – NR: H04a, 1e, c, 2L; H06a, 1e; H07a, 1e; K08b, 1e; L08a, 1e; S10b, 1e.
- Parachironomus monochromus*** (van der Wulp, 1874) – NR: H09a, 1e; S05b, 1e; S10b, 2e; S19b, 1L+3e; S21b, 1L; U38b, 3e.
- Parachironomus parilis*** (Walker, 1856) – NR: H09a, 1e; H10b, 1e; S22b, 1e.
- Paralauterborniella nigrohalteralis*** (Malloch, 1915) – NR: T02c, 1e; T03a, 1e, b, 1e; T04b, 1e.
- Paratanytarsus brevicar*** (Kieffer, 1909) – NR: U19b, 13e; U34b, 7e.
- Paratanytarsus dissimilis*** (Johannsen, 1905) – NR: E01a, 25e; E02a, 4e, c, 1e; E03a, 10e; E05a, 3e; E06a, 4e; E07a, 13e; E08b, 1e; E09b, 1e; H05c, 1e; H09a, 3e; H11b, 1e; K10b, 15e; K12b, 24e; K18b, 16e; K19b, 2e; K20b, 10e; L09a, 1e; S30a, 1e; T01a, 20e, b, 8e, c, 1e; T02a, 3e; T03a, 8e; T06a, 1e, b, 1e; T11a, 1e; T12a, 2e.
- Paratanytarsus grimmii*** (Schneider, 1885) – NR: H04c, 1e; K07b, 3e; M01a, 1e; S05b, 18e; S10b, 1e; S15b, 3e; S18b, 13e; S19b, 19e; S21b, 1e, c, 3e; S22b, 4e, c, 1e; U30a, 1e; U31a, 2e; U33b, 1e.
- Paratanytarsus inopertus*** (Walker, 1856) – NR: L09a, 1e; S05a, 3e; S30a, 1e; T06b, 2e.
- Paratanytarsus lauterborni*** (Kieffer, 1909) – NR: S30a, 2e.
- Paratanytarsus tenellulus*** (Goetghebuer, 1921) – NR: H09a, 4e; K07b, 3e; K15b, 2e; M06a, 1e; S05b, 5e; S15b, 2e; S19b, 3e; S22b, 1e; U38b, 4e.
- Paratendipes albimanus*** (Meigen, 1818) – NR: H01a, 1e; H02b, 2e; H12a, 1L; S30a, 3L; T01b, 1e; T02c, 5e; T03a, 1L+3e, b, 6e; T04a, 4L+4e, b, 10e; T06a, 1e, b, 3e; T09a, 1e; T11a, 1e; T12a, 4e; U16b, 10e.
- Phaenopsectra flavipes*** (Meigen, 1818) – NR: E01a, 5L+10e, c, 6L; E02a, 5L+21e, c, 2L; E03a, 4L+33e; E04a, 4L; E05a, 7L+11e, c, 1L; E06a, 2L+4e; E07a, 1L+19e, c, 1L; E08c, 1L; H02c, 3L; H04c, 1e; H06a, 7L+8e, b, 2L; H07a, 1e; H08a, 4L+5e, b, 5L; H09a, 1L+17e; H10a, 7L+7e, b, 1L; H11a, 1L+6e; H12a, 3L+4e; H14b, 4L; K02a, 1L; K03a, 4L; K05b, 2L; K06a, 1L; K07b, 1L; K10b, 10L, c, 1L; K12a, 3L, b, 1e; K18b, 4L+2e; K19b, 3L; K20b, 2e; L08a, 2L+1e; L09a, 6e, b, 1L; M01a, 1e; M06a, 1L; M11a, 1L; S29b, 2L; T01a, 6e, b, 1e; T02a, 4L+4e, b, 1L+3e, c, 3e; T03a, 5L+18e, b, 2e, c, 1L; T04a, 3L+1e, b, 2L+3e; c, 2L; T05b, 1L; T06a, 1L, b, 4e; T07c, 1L; T08b, 3L; T09a, 1L+8e; T11a, 4e; T12a, 13e, c, 4L; T13a, 1e; U16a, 1L, b, 1e.
- Polypedilum sordens*** (van der Wulp, 1875) – NR: E08b, 1e; H10a, 1L+1e; H11b, 1L+1e, c, 11L; H12b, 1L, c, 1L; S10b, 1L; T06c, 5e.
- Polypedilum uncinatum*** (Goetghebuer, 1921) – NR: K02a, 6L; K15b, 1e; K19b, 1L; L04a, 2L; M06a, 1e.
- Polypedilum arundineti*** (Goetghebuer, 1921) – NR: U19a, 1L.
- Polypedilum nubeculosum*** (Meigen, 1804) – NR: E07a, 1e, b, 1L; E08c, 2L; E09b, 2L+2e; H02b, 2e; H04a, 1e, c, 2L; H05c, 1e; H07a, 2L, b, 1e; H10a, 1L+6e, b, 1L; H11a, 7e, b, 2L+1e; H12a, 4e; H14b, 1L; K06b, 1L; K12a, 1L; K18b, 1L; K19b, 2e; L08b, 9L; L09a, 1L+2e; T02c, 3e; T03b, 1L, c, 3L; T04b, 1e; T06b, 15e; T12a, 9e; T13a, 5e.
- Polypedilum pedestre*** (Meigen, 1830) – NR: T04b, 1L.
- Polypedilum bicrenatum*** Kieffer, 1921 – NR: E07a, 1L; T02a, 1L, b, 2L; T03a, 1L, b, 3L; U16b, 4e.
- Polypedilum scalaenum*** (Schrank, 1803) – NR: K12a, 1L; K18b, 1e; K20b, 3e; T01b, 2e; T02c, 3e; T04b, 5e.
- Polypedilum cultellatum*** Goetghebuer, 1931 – NR: E02c, 1L; E09b, 1L+1e; H01b, 1L; H10a, 1L; H11a, 1L; H12b, 2L; K10b, 5L+4e; K18b, 1L+2e; K19b, 1e; T04b, 1e.
- Rheotanytarsus curtistylus*** (Goetghebuer, 1921) – NR: H01a, 1e; K03a, 2e; S29b, 6e; U16c, 5e.

- Rheotanytarsus photophilus*** (Goetghebuer, 1921) – NR: E01a, 1e; E03a, 1e; H11a, 1e; K18b, 3e; K19b, 1e; T01a, 26e, b, 14e; T03a, 2e; T04a, 1e; U16b, 8e.
- Synendotendipes dispar*** (Meigen, 1830) – NR: U03a, 1L; U19a, 2L; U35b, 1L; U39a, 1L; U40b, 1L.
- Synendotendipes impar*** (Walker, 1856) – NR: E03c, 1L; H08b, 1L; H12c, 1L; H14b, 5L; K06b, 1L; K15a, 1L; S01b, 3L; S05b, 1L; S06b, 1L; S07b, 1L, c, 1L; S09b, 1L; S10b, 1L; S14b, 1L, c, 2L; S15b, 2L, c, 3L; S21b, 1L; S22c, 3L; T08b, 2L; T09c, 1L; U02a, 2L; U10a, 1L.
- Synendotendipes lepidus*** (Meigen, 1830) – NR: H06b, 1L.
- Tanytarsus curticornis*** Kieffer, 1911 – NR: E01a, 1e.
- Tanytarsus ejuncidus*** (Walker, 1856) – NR: E03a, 1e; E05a, 1e; K15b, 1e; K18b, 2e; K19b, 3e; L08a, 1e; T04b, 3e; T06b, 1e; T12a, 1e.
- Tanytarsus eminulus*** (Walker, 1856) – NR: E02a, 1e; E03a, 1e; E07c, 1e; H04a, 1e; K12b, 1e; K18b, 1e; T02a, 1e; T04b, 1e; T06b, 5e.
- Tanytarsus heusdensis*** Goetghebuer, 1923 – NR: E02a, 1e.
- Tanytarsus lactescens*** Edwards, 1929 – NR: K03a, 1e; S29b, 2e; S30a, 4e; T01b, 1e, c, 1e.
- Tanytarsus medius*** Reiss et Fittkau, 1971 – NR: E01a, 10e; E02a, 3e, c, 1e; E03a, 16e; E05a, 1e; E06a, 4e; H11a, 2e; T01a, 3e, b, 2e; T02a, 3e, b, 1e, c, 1e; T03a, 7e, b, 4e; T04a, 2e, b, 3e; T06a, 7e, b, 3e.
- Tanytarsus mendax*** Kieffer, 1925 – NR: S22b, 1e.
- Tanytarsus usmaensis*** Pagast, 1931 – NR: K03a, 20e, c, 2e; K05a, 1e; K10b, 1e; K12b, 1e; K15b, 3e; K19b, 1e; S05a, 1e; S30a, 8e; T01b, 2e; T02b, 1e; T04b, 2e; T06b, 3e; U31a, 1e;
- Zavreliella marmorata*** (van der Wulp, 1859) – NR: U19b, 1e.

CULICIDAE (Identified by Csaba Deák)

- Aedes rossicus/cinereus*** – NR: U07a, 4.
- Anopheles maculipennis*** agg. – NR: U38b, 1; U41b, 1.
- Culex modestus*** Ficalbi, 1890 – NR: U03b, 3.
- Culex pipiens*** Linnaeus, 1758 – NR: U36b, 8; U37b, 2.
- Ochlerotatus flavescens*** (Müller, 1764) – NR: U21a, 2.
- Ochlerotatus cantans/annulipes*** – NR: U14a, 6; U28a, 27.

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