

**Results of a faunistic survey of beetles (Coleoptera) in Hejtmanka Nature Reserve
(Czech Republic, northern Moravia, Litovelské Pomoraví
Protected Landscape Area) in 2009**

**Výsledky faunistického průzkumu brouků (Coleoptera) Přírodní rezervace
Hejtmanka (Česká republika, severní Morava, CHKO Litovelské Pomoraví)
z roku 2009**

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Keywords: faunistics, Coleoptera, *Anthaxia senicula senicula*, *Hylis olexai*, *Agnathus decoratus*, protected species, threatened species, Hejtmanka Nature Reserve, Litovelské Pomoraví Protected Landscape Area, Czech Republic

Abstract. Faunistic survey of beetles (Coleoptera) in Hejtmanka Nature Reserve was performed in 2009. Various survey and trapping methods were used in order to record as many species of beetles. The survey recorded 680 species from 60 families on basis of 2430 specimens and presence of their galleries (in latter case only 10 species from all). Fifty-four species are included in the Red list of the Czech Republic, including the critically endangered *Anthaxia senicula senicula* (Schrank, 1789) (Buprestidae), *Hylis olexai* (Palm, 1955) (Eucnemidae) and *Agnathus decoratus* (Germar, 1818) (Pyrochroidae). Other 17 species belong to the near threatened species, 17 to the endangered species and 19 to the vulnerable species.

INTRODUCTION

Numerous studies have focused on the flora and fauna of the Litovelské Pomoraví Protected Landscape Area (LP PLA), nevertheless beetles still remain insufficiently documented, because a number of studies were deposited only as manuscripts at the administration of LP PLA but never formally published.

Among the relatively well-studied groups of beetles belong Carabidae (DIVOKÝ 1989; MALOHLAVA 1995; BLAHOUSKÝ 1997; TVARDÍK 2000; NAKLÁDAL 2003; DEDEK 2004, 2006; HOLEC 2007; HORA 2008; VESELÝ et al. 2009), Silphidae, Cholevininae of the family Leiodidae (KOČÁREK 1997; RŮŽIČKA & VÁVRA 1993), Cerambycidae (ČERNÝ 1999), and several families of aquatic beetles (BOUKAL 1995, 1997 a, b; BOUKAL & TRÁVNÍČEK 1995, 1998; TRÁVNÍČEK et al. 1997). Additional data on various beetles can be found in other faunistic inventories and ecological studies (e.g., BEZDĚČKA 2000; BLAHUT 1986; HORČIČKO 1978 a, b, 1982, 2002 a, b; HORNIŠER 2000; JELÍNEK & KUBÁŇ 2009; NAKLÁDAL 2006, 2008; ŘEHOUNEK 1997; SKALICKÝ 1987; TUF 2001). First records of some species for the Czech Republic (or only for Moravia) from territory of LP PLA have been published by NAKLÁDAL & SÖRENSSON (2008) and NAKLÁDAL & PRŮDEK (2008).

This paper is based on an earlier unpublished survey of beetles in Hejtmanka Nature Reserve (NAKLÁDAL 2009).

MATERIAL AND METHODS

The aim of this survey was to record as many species of beetles, therefore various collecting methods were utilized, including individual sampling (especially in the riparian zone of the Morava river and other aquatic habitats), beating of trees and bushes, sweeping, pitfall trapping, examination of excrements and carrion, sifting of organic substrates (especially from anthills and tree hollows and bases), night sampling from trees, and examination of flood debris in the spring. Beetles were also lured on maturing cheese, fallow deer excrements, carrion, rotting fungi, fermenting apples and to light. Ten pitfall traps (ethylenglycole was used to fix the specimens) were set on 7.VI.-5.VII. and 5.VII.-8.VIII.2009. Altogether 34 visits were realized on 4.III., 5.III., 14.III., 11.IV., 26.IV., 3.V., 7.V., 9.V., 10.V., 13.V., 14.V., 17.V., 3.VI., 7.VI., 13.VI., 14.VI., 16.VI., 17.VI., 26.VI., 27.VI., 3.VII., 5.VII., 2.VIII., 3.VIII., 7.VIII., 8.VIII., 30.VIII., 6.IX., 27.IX., 3.X., 4.X., 23.X., 6.XII. and 18.XII.2009.

The nomenclature follows LÖBL & SMETANA (2003, 2004, 2006, 2007, 2008, 2010) excluding Curculionoidea. System of families in Curculionoidea superfamily follows VORST (2010). The species within each family are listed alphabetically.

All specimens were collected by the author and they are deposited in his private collection (unless otherwise stated in the Results).

Coleoptera were identified by following entomologists of the Czech Republic: Dytiscidae by Jiří Hájek (Praha), Hydrophilidae by Martin Fikáček (Praha), Histeridae and Throscidae by Jiří Vávra (Ostrava), Staphylinidae by Pavel Krásenský (Chomutov), Buprestidae by Vít Kubáň (Brno), Byrrhidae by Jan Schneider (Praha), Elateridae by Bořivoj Zbuzek (Praha), Cantharidae, Oedemeridae, and Melyridae by Vladimír Švihla (Praha), Dermestidae by Jiří Háva (Únětice u Prahy), Ptinidae by Petr Zahradník (Trnová u Prahy), Kateretidae, Nitidulidae, and Byturidae by Josef Jelínek (Praha), Monotomidae, Silvanidae, Cucujidae, Cryptophagidae, Erotylidae, Cerylonidae, Endomychidae, Corylophidae, Latridiidae, Ciidae, Zopheridae, and Salpingidae by Pavel Průdek (Brno), Coccinellidae by Vladimír Navrátil (Praha), Melandryidae, Mordellidae, Aderidae, and Scaphitidae by Jan Horák (Praha), Orsodacnidae, Chrysomelidae, Attelabidae, Brentidae, and Curculionidae (except Scolytinae) by Jaromír Strejček (Praha), Scolytinae by Miloš Knižek (Praha), and the remaining groups by the author – unless otherwise stated in the Results.

One abbreviation is used in the following text: PFT – pitfall trap.

CHARACTERISTICS OF THE AREA

Hejtmanka Nature Reserve (NR) is situated in the south of the northern Moravia – 0.5 km north-eastwards from village of Mladeč (Litovel env.) (Fig. 1). Geographic coordinates of the centroid: 49°42'47''N; 17°01'46''E. The total size of studied area is 112.88 ha (236-237 m a.s.l.) covering faunistic square 6268c (PRUNER & MÍKA 1996).

The majority (93 %) of the floodplain area is covered mainly by hardwood forests (association *Querco-Ulmetum* Issler 1926). Other habitats are represented by association *Salicetum albae* Issler 1926 (2 %) or by association *Salicetum triandrae* Malcuit ex Noirfalise in Lebrun et al. 1995 (1 %). Only a small part of the studied area is covered by open habitats of the associations of *Caricetum buekii* Hejný et Kopecký in Kopecký & Hejný 1965 and *Rorippo-Phalaridetum arundinaceae* Kopecký 1961 (<1 %) or gravel habitats without any vegetation (<1 %). Other biotopes consist of some permanent and numerous periodic water bodies (3 %) of the *Potametum crispum* Soo 1927 and *Callitricho hamulatae-Batrachietum aquatilis* Husák et Rydlo 1992 associations.

The river channels (Morava river and Malá Voda river) are undisturbed along their whole length in the studied area, therefore they form numerous different succession biotopes (e.g. swamps, gravel and/or sand banks which are affected by fluctuating water levels and overgrown by vegetation to various extent – see Fig. 2, 3).

RESULTS

The survey records 680 species from 60 families in the Hejtmanka NR (based on 2430 specimens) and the presence of galleries (only 10 of the species).

Gyrinidae

Orectochilus villosus (O. F. Müller, 1776): 13.VI.2009, 2 spec. (very common among leaves pendant to water from the littoral vegetation growing on the bank of the Morava river in parts with faster river flow).

Dytiscidae

- Acilius sulcatus* (Linnaeus, 1758): 7.VI.2009, 1 spec.
Agabus undulatus (Schränk, 1776): 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.
Dytiscus marginalis Linnaeus, 1758: 13.VI.2009, 1 spec., Oto Nakládal det. (only elytra).
Hydroporus palustris (Linnaeus, 1761): 7.VI.2009, 1 spec.; 13.VI.2009, 4 spec.
Hyphydrus ovatus (Linnaeus, 1761): 7.VI.2009, 1 spec.
Ilybius fuliginosus fuliginosus (Fabricius, 1792): 7.VI.2009, 1 spec.
Platambus maculatus (Linnaeus, 1758): 13.VI.2009, 1 spec.
Suphrodytes dorsalis (Fabricius, 1787): 13.VI.2009, 3 spec.

Carabidae

- Abax carinatus* (Duftschmid, 1812): 7.VI.-5.VII.2009, 1 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 5 spec.
Abax parallelepipedus (Piller & Mitterpacher, 1783): 5.VII.-8.VIII.2009, 12 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 25 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 46 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 2 spec. (PFT – softwood floodplain).
Abax parallelus parallelus (Duftschmid, 1812): 5.VII.-8.VIII.2009, 19 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 23 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).
Acupalpus meridianus (Linnaeus, 1761): 13.VI.2009, 1 spec., Petr Veselý det.
Agonum afrum (Duftschmid, 1812): 3.VIII.2009, 1 spec., Petr Veselý det.
Agonum angustatum Dejean 1828: 17.V.2009, 1 spec., Petr Veselý det.
Agonum sexpunctatum (Linnaeus, 1758): 7.VI.2009, 1 spec.
Amara aenea (De Geer, 1774): 7.VI.2009, 1 spec., Petr Veselý det.
Amara aulica (Panzer, 1796): 2.VIII.2009, 1 spec.; 7.VI.-5.VII.2009, 2 spec.
Amara familiaris (Duftschmid, 1812): 17.V.2009, 1 spec.
Amara gebleri Dejean, 1831: 27.IX.2009, 1 spec.; 5.VII.-8.VIII.2009, 1 spec.
Amara ovata (Fabricius, 1792): 7.VI.2009, 1 spec.
Amara similata (Gyllenhal, 1810): 5.VII.-8.VIII.2009, 1 spec.
Anisodactylus binotatus (Fabricius, 1787): 17.V.2009, 1 spec., Petr Veselý det.; 7.VI.-5.VII.2009, 1 spec., Petr Veselý det. (PFT).
Badister lacertosus Sturm, 1815: 7.VI.-5.VII.2009, 1 spec.
Bembidion articulatum (Panzer, 1796): 7.VI.2009, 1 spec.
Bembidion biguttatum (Fabricius, 1779): 14.VI.2009, 1 spec.
Bembidion decorum decorum (Panzer, 1799): 17.V.2009, 6 spec.
Bembidion dentellum (Thunberg, 1787): 17.V.2009, 2 spec.; 3.VIII.2009, 1 spec.
Bembidion octomaculatum (Goeze, 1777): 3.VIII.2009, 1 spec.
Bembidion punctulatum punctulatum Drapiez, 1820: 17.V.2009, 3 spec.
Bembidion quadripustulatum quadripustulatum Audinet-Serville, 1821: 7.VI.2009, 1 spec.
Bembidion semipunctatum (Donovan, 1806): 17.V.2009, 1 spec.; 7.VI.2009, 2 spec.; 3.VIII.2009, 1 spec.
Bembidion schueppelii Dejean, 1831: 2.VIII.2009, 1 spec.
Bembidion tetracolum Say, 1823: 17.V.2009, 2 spec.
Bembidion tibiale (Duftschmid, 1812): 7.VIII.2009, 3 spec., Petr Veselý det.
Carabus coriaceus Linnaeus, 1758: 5.VII.-8.VIII.2009, 4 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 3 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 4 spec. (PFT – hardwood floodplain).

Carabus granulatus Linnaeus, 1758: 5.VII.-8.VIII.2009, 3 spec. (PFT – softwood floodplain); 7.VI.-5.VII.2009, 10 spec. (PFT – softwood floodplain).
Carabus scheidleri Panzer, 1799: 5.VII.-8.VIII.2009, 1 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 4 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 3 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).
Carabus ulrichii Germar, 1824: 7.VI.-5.VII.2009, 1 spec. (PFT – hardwood floodplain).
Carabus violaceus Linnaeus, 1758: 5.VII.-8.VIII.2009, 2 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 18 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 10 spec. (PFT – hardwood floodplain).
Clivina collaris (Herbst, 1784): 7.VI.2009, 1 spec.
Cychrus caraboides (Linnaeus, 1758): 5.VII.-8.VIII.2009, 3 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 2 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 2 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).
Demetrias atricapillus (Linnaeus, 1758): 10.V.2009, 1 spec.
Drypta dentata (Rossi, 1790): 7.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Dyschirius globosus (Herbst, 1784): 7.VI.2009, 1 spec., Petr Veselý det.
Dyschirius nitidus nitidus (Dejean, 1825): 17.V.2009, 3 spec., Petr Veselý det.; 7.VI.2009, 1 spec., Petr Veselý det.; 3.VIII.2009, 3 spec., Petr Veselý det.
Dyschirius tristis Stephens, 1827: 17.V.2009, 1 spec., Petr Veselý det.; 7.VI.2009, 2 spec., Petr Veselý det.; 3.VIII.2009, 1 spec., Petr Veselý det.
Elaphrus cupreus Duftschmidt, 1812: 2.VIII.2009, 2 spec.
Elaphrus riparius (Linnaeus, 1758): 7.VI.2009, 4 spec.
Europhilus micans (Nicolai, 1822): 2.VIII.2009, 1 spec., Petr Veselý det.; 3.VIII.2009, 4 spec., Petr Veselý det.
Harpalus latus (Linnaeus, 1758): 5.VII.-8.VIII.2009, 1 spec., Petr Veselý det. (PFT).
Harpalus progrederiens Schauburger, 1922: 7.VI.-5.VII.2009, 1 spec., Petr Veselý det. (PFT).
Harpalus rufipes (De Geer, 1774): 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).
Lebia chlorocephala (J. J. Hoffmann, 1803): 3.X.2009, 1 spec.
Leistus piceus Frölich, 1799: 14.VI.2009, 1 spec.
Leistus rufomarginatus (Duftschmidt, 1812): 7.VI.2009, 2 spec.; 7.VI.-5.VII.2009, 3 spec.
Loricera pilicornis (Fabricius, 1775): 7.VI.2009, 1 spec.
Nebria brevicollis (Fabricius, 1792): 14.VI.2009, 1 spec.; 7.VI.-5.VII.2009, 4 spec. (PFT – hardwood floodplain).
Notiophilus palustris (Duftschmidt, 1812): 7.VI.2009, 1 spec.
Panagaeus cruxmajor (Linnaeus, 1758): 3.VII.2009, 1 spec.
Paranchus albipes (Fabricius, 1796): 7.VI.2009, 1 spec.; 7.VIII.2009, 1 spec.
Patrobus atrorufus (Stroem, 1768): 7.VI.2009, 1 spec.
Perileptus areolatus areolatus (Creutzer, 1799): 26.IV.2009, 1 spec.
Platynus assimilis (Paykull, 1790): 3.VIII.2009, 1 spec.; 5.VII.-8.VIII.2009, 1 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 30 spec. (PFT – hardwood floodplain).
Poecilus cupreus cupreus (Linnaeus, 1758): 7.VI.2009, 1 spec.; 5.VII.-8.VIII.2009, 2 spec. (PFT – softwood floodplain).
Pterostichus anthracinus anthracinus (Illiger, 1798): 17.V.2009, 3 spec.; 7.VI.2009, 2 spec.; 5.VII.-8.VIII.2009, 1 spec.
Pterostichus burmeisteri burmeisteri Heer, 1838: 7.VI.-5.VII.2009, 1 spec. (PFT – hardwood floodplain).

Pterostichus melanarius (Illiger, 1798): 5.VII.-8.VIII.2009, 62 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 64 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 5 spec. (PFT – softwood floodplain).

Pterostichus niger (Schaller, 1783): 5.VII.-8.VIII.2009, 9 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 11 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 70 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 39 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).

Pterostichus nigrita (Paykull, 1790): 7.VI.2009, 1 spec.

Pterostichus oblongopunctatus (Fabricius, 1787): 7.VI.-5.VII.2009, 2 spec. (PFT – hardwood floodplain).

Pterostichus vernalis (Panzer, 1796): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.; 3.VIII.2009, 2 spec.

Stenolophus mixtus (Herbst, 1784): 17.V.2009, 4 spec.; 7.VI.2009, 1 spec.

Stomis pumicatus pumicatus (Panzer, 1796): 17.V.2009, 1 spec.

Tachys bistratus (Duftschmid, 1812): 26.IV.2009, 1 spec.; 7.VI.2009, 1 spec.

Tachys micros (Fischer von Waldheim, 1828): 26.IV.2009, 1 spec.; 17.V.2009, 1 spec.

Tachyta nana nana (Gyllenhal, 1810): 26.IV.2009, 1 spec.

Tachyura diabrachys (Kolenati, 1845): 26.IV.2009, 1 spec., Petr Veselý det.; 7.VI.2009, 3 spec., Petr Veselý det.

Tachyura quadrisignata (Duftschmid, 1812): 17.V.2009, 1 spec., Petr Veselý det.; 7.VI.2009, 3 spec., Petr Veselý det.

Trechus quadristriatus (Schränk, 1781): 3.VII.2009, 1 spec., Petr Veselý det.; 7.VI.-5.VII.2009, 1 spec., Petr Veselý det. (PFT)

Trechus secalis secalis (Paykull, 1790): 17.V.2009, 1 spec.

Hydrophilidae

Cercyon impressus (Sturm, 1807): 5.VII.2009, 1 spec.

Cercyon analis (Paykull, 1798): 6.IX.2009, 1 spec. (lured on rotting apples).

Cercyon bifenestratus Küster, 1851: 3.VIII.2009, 1 spec.

Cercyon lateralis (Marsham, 1802): 5.VII.2009, 1 spec.; 5.VII.-8.VIII.2009, 1 spec. (PFT).

Cercyon marinus C. G. Thomson, 1853: 3.VIII.2009, 1 spec.

Cryptopleurum minutum (Fabricius, 1775): 5.VII.2009, 2 spec.; 4.X.2009, 1 spec. (sifted).

Helophorus aquaticus (Linnaeus, 1758): 13.VI.2009, 1 spec.

Histeridae

Abraeus granulum Erichson, 1839: 3.VIII.2009, 1 spec.; 27.IX.2009, 1 spec.

Abraeus perpusillus (Marsham, 1802): 3.VII.2009, 1 spec.; 4.X.2009, 1 spec.; 18.XII.2009, 2 spec.

Dendrophilus punctatus punctatus (Herbst, 1792): 26.VI.2009, 1 spec.; 3.VII.2009, 7 spec.; 30.VIII.2009, 1 spec.

Margarinotus striola succicola (C. G. Thomson, 1862): 30.VIII.2009, 1 spec.; 4.X.2009, 1 spec. (sifted).

Paromalus flavicornis (Herbst, 1792): 3.VII.2009, 1 spec.; 5.VII.2009, 10 spec.

Saprinus semistriatus (Scriba, 1790): 10.V.2009, 2 spec. (on carrion).

Ptiliidae

Acrotrichis dispar (Matthews, 1865): 4.X.2009, 3 spec. (sifted).

Acrotrichis fascicularis (Herbst, 1793): 4.X.2009, 1 spec. (sifted).

Acrotrichis grandicollis (Mannerheim, 1844): 5.VII.2009, 1 spec.; 4.X.2009, 1 spec. (sifted).

Ptenidium longicorne Fuss, 1868: 18.XII.2009, 2 spec.

Ptenidium reitteri Flach, 1887: 17.V.2009, 1 spec. (swept from vegetation in hardwood floodplain).

Leiodidae

Apocatops nigrita (Erichson, 1837): 30.VIII.2009, 1 spec.

Catops grandicollis Erichson, 1837: 4.X.2009, 1 spec. (lured on ripen cheese); 23.X.2009, 1 spec. (lured on ripen cheese).

Catops neglectus Kraatz, 1852: 4.X.2009, 1 spec. (lured on ripen cheese); 23.X.2009, 1 spec. (lured on ripen cheese).

Catops nigriclavus Gerhardt, 1900: 3.X.2009, 1 spec.

Catops picipes (Fabricius, 1787): 4.X.2009, 1 spec. (lured on ripen cheese); 4.X.2009, 1 spec. (sifted); 23.X.2009, 3 spec. (lured on ripen cheese).

Fissocatops westi Krogerus, 1931: 3.VIII.2009, 1 spec.; 7.VI.-5.VII.2009, 2 spec. (PFT).

Nargus anisotomoides anisotomoides (Spence, 1815): 4.X.2009, 1 spec. (sifted); 18.XII.2009, 1 spec.

Ptomaphagus sericatus sericatus (Chaudoir, 1845): 7.VI.-5.VII.2009, 1 spec. (PFT).

Ptomaphagus varicornis (Rosenhauer, 1847): 4.X.2009, 1 spec. (sifted); 18.XII.2009, 1 spec.

Sciodrepoides fumatus (Spence, 1815): 4.X.2009, 1 spec. (sifted).

Sciodrepoides watsoni watsoni (Spence, 1815): 5.VII.-8.VIII.2009, 1 spec. (PFT).

Silphidae

Necrodes littoralis (Linnaeus, 1758): 17.V.2009, 1 spec.

Nicrophorus vespillo (Linnaeus, 1758): 17.V.2009, 1 spec.; 5.VII.-8.VIII.2009, 15 spec. (PFT – softwood floodplain); 7.VI.-5.VII.2009, 1 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 5 spec. (PFT – softwood floodplain).

Nicrophorus vespilloides Herbst, 1784: 27.VI.2009, 1 spec.; 5.VII.-8.VIII.2009, 1 spec. (PFT – softwood floodplain).

Oiceoptoma thoracicum (Linnaeus, 1758): 17.V.2009, 1 spec.

Phosphuga atrata (Linnaeus, 1758): 5.VII.-8.VIII.2009, 82 spec. (PFT – softwood floodplain); 5.VII.-8.VIII.2009, 59 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 46 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 53 spec. (PFT – softwood floodplain); 7.VI.-5.VII.2009, 1 spec.

Silpha tristis Illiger, 1798: 7.VI.-5.VII.2009, 1 spec., Jan Růžicka det. (PFT).

Thanatophilus rugosus (Linnaeus, 1758): 10.V.2009, 1 spec. (on carrion).

Thanatophilus sinuatus (Fabricius, 1775): 10.V.2009, 1 spec. (on carrion).

Staphylinidae

Acrotona fungi (Gravenhorst, 1806): 6.IX.2009, 5 spec. (lured on rotting apples); 18.XII.2009, 1 spec.

Acrulia inflata (Gyllenhal, 1813): 26.IV.2009, 1 spec.

Agaricochara latissima (Stephens, 1832): 30.VIII.2009, 4 spec.

Aleochara brevipennis Gravenhorst, 1806: 7.VI.2009, 2 spec.

Aleochara ruficornis Gravenhorst, 1802: 13.VI.2009, 1 spec.

Aleochara sparsa Heer, 1839: 26.IV.2009, 1 spec. (burrow of big mammal – probably *Meles meles* (Linnaeus, 1758) or *Vulpes vulpes* (Linnaeus, 1758)).

Anotylus insecatus (Gravenhorst, 1806): 10.V.2009, 1 spec.
Anotylus inustus (Gravenhorst, 1806): 17.V.2009, 1 spec.
Anthobium atrocephalum (Gyllenhal, 1827): 26.IV.2009, 3 spec. (burrow of big mammal – probably *Meles meles* or *Vulpes vulpes*).
Anthophagus angusticollis (Mannerheim, 1830): 17.V.2009, 2 spec.; 13.VI.2009, 1 spec.
Anthophagus caraboides (Linnaeus, 1758): 17.V.2009, 1 spec.; 13.VI.2009, 1 spec.
Atheta castanoptera (Mannerheim, 1830): 2.VIII.2009, 2 spec.
Atheta coriaria (Kraatz, 1856): 6.IX.2009, 4 spec. (lured on rotting apples).
Atheta crassicornis (Fabricius, 1793): 14.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.; 6.IX.2009, 3 spec. (lured on rotting apples).
Atheta dadopora Thomson, 1867: 27.VI.2009, 1 spec.; 6.IX.2009, 1 spec. (lured on rotting apples); 4.X.2009, 5 spec. (sifted).
Atheta inquinula (Gravenhorst, 1802): 27.IX.2009, 1 spec.
Atheta laticollis (Stephens, 1832): 4.X.2009, 1 spec. (sifted).
Atheta oblita (Erichson, 1839): 6.IX.2009, 3 spec. (lured on rotting apples); 4.X.2009, 1 spec. (sifted).
Atheta pallidicornis (Thomson, 1856): 7.VI.2009, 1 spec.
Atheta sodalis (Erichson, 1837): 26.IV.2009, 1 spec. (burrow of big mammal – probably *Meles meles* or *Vulpes vulpes*).
Atheta trinotata (Kraatz, 1856): 6.IX.2009, 1 spec. (lured on rotting apples).
Autalia rivularis (Gravenhorst, 1802): 4.X.2009, 1 spec. (sifted).
Bisnius fimetarius (Gravenhorst, 1802): 5.VII.2009, 1 spec.; 6.IX.2009, 1 spec. (lured on rotting apples); 4.X.2009, 1 spec. (sifted).
Bolitochara lucida (Gravenhorst, 1802): 13.VI.2009, 1 spec.
Bolitochara obliqua Erichson, 1837: 7.VI.2009, 1 spec.; 5.VII.2009, 3 spec.
Carpelimus obesus (Kiesenwetter, 1844): 3.VIII.2009, 2 spec.
Carphacis striatus (Olivier, 1795): 2.VIII.2009, 3 spec.
Cordalia obscura (Gravenhorst, 1802): 6.IX.2009, 1 spec. (lured on rotting apples).
Crataraea suturalis (Mannerheim, 1830): 3.VIII.2009, 1 spec.
Cyphea curtula (Erichson, 1837): 26.IV.2009, 1 spec.
Dinaraea aequata (Erichson, 1837): 17.V.2009, 1 spec.
Euplectus nanus (Reichenbach, 1816): 10.V.2009, 1 spec.
Eusphalerum semicoleoptratum (Panzer, 1795): 10.V.2009, 2 spec.
Gabrius osseticus (Kolenati, 1846): 2.VIII.2009, 1 spec.
Geostiba circellaris (Gravenhorst, 1806): 4.X.2009, 1 spec. (sifted).
Gnypeta ripicola (Kiesenwetter, 1844): 3.VIII.2009, 1 spec.
Gyrophæna affinis Mannerheim, 1830: 13.VI.2009, 3 spec.
Gyrophæna fasciata (Marsham, 1802): 30.VIII.2009, 2 spec.
Gyrophæna gentilis Erichson, 1839: 30.VIII.2009, 1 spec.
Gyrophæna joi joi Wendeler, 1924: 3.VIII.2009, 1 spec.; 30.VIII.2009, 1 spec.
Gyrophæna joioides Wüsthoff, 1937: 27.VI.2009, 2 spec.; 3.VII.2009, 1 spec.
Gyrophæna lucidula Erichson, 1837: 3.VIII.2009, 1 spec.
Gyrophæna manca Erichson, 1839: 26.IV.2009, 1 spec.; 13.VI.2009, 3 spec.
Gyrophæna strictula Erichson, 1839: 13.VI.2009, 1 spec.
Haploglossa villosula (Stephens, 1832): 6.IX.2009, 2 spec. (lured on rotting apples).
Heterothops dissimilis (Gravenhorst, 1802): 6.IX.2009, 1 spec. (lured on rotting apples).
Ischnopoda leucopus (Marsham, 1802): 3.VIII.2009, 2 spec.
Lathrobium longulum longulum Gravenhorst, 1802: 7.VI.-5.VII.2009, 1 spec. (PFT).
Lesteva longoelytrata longoelytrata (Goeze, 1777): 17.V.2009, 1 spec.

Lordithon lunulatus (Linnaeus, 1760): 2.VIII.2009, 1 spec.
Metopsia similis Zerche, 1998: 18.XII.2009, 2 spec.
Nehemitropia lividipennis (Mannerheim, 1830): 6.IX.2009, 1 spec. (lured on rotting apples).
Neobisnius prolixus (Erichson, 1840): 17.V.2009, 1 spec.
Oligota parva Kraatz, 1862: 18.XII.2009, 1 spec.
Omalium rivulare (Paykull, 1789): 17.V.2009, 1 spec.; 6.IX.2009, 11 spec. (lured on rotting apples).
Ontholestes haroldi (Eppelsheim, 1884): 7.VI.-5.VII.2009, 4 spec.
Ontholestes murinus (Linnaeus, 1758): 10.V.2009, 1 spec. (on carrion).
Ontholestes tessellatus (Geoffroy, 1785): 5.VII.2009, 1 spec.
Othius punctulatus (Goeze, 1777): 7.VI.-5.VII.2009, 1 spec. (PFT).
Oxypoda acuminata (Stephens, 1832): 17.V.2009, 1 spec.
Oxypoda alternans (Gravenhorst, 1802): 14.VI.2009, 2 spec.
Oxyporus maxillosus Fabricius, 1793: 27.VI.2009, 1 spec.
Oxytelus laqueatus (Marsham, 1802): 5.VII.2009, 1 spec.
Paederus schoenherri Czwalińska, 1889: 17.V.2009, 1 spec.; 7.VI.-5.VII.2009, 2 spec.
Philonthus addendus Sharp, 1867: 5.VII.2009, 1 spec.; 2.VIII.2009, 3 spec.; 4.X.2009, 2 spec.; 5.VII.-8.VIII.2009, 1 spec.; 7.VI.-5.VII.2009, 1 spec.
Philonthus atratus (Gravenhorst, 1802): 17.V.2009, 5 spec.; 17.VI.2009, 3 spec.
Philonthus debilis (Gravenhorst, 1802): 6.IX.2009, 1 spec. (lured on rotting apples).
Philonthus micans (Gravenhorst, 1802): 3.VIII.2009, 1 spec.
Philonthus quisquiliarius quisquiliarius (Gyllenhal, 1810): 17.V.2009, 5 spec.; 3.VIII.2009, 1 spec.
Philonthus rotundicollis (Ménétriés, 1832): 10.V.2009, 1 spec.
Philonthus succicola Thomson, 1860: 5.VII.-8.VIII.2009, 1 spec.
Philonthus tenuicornis Mulsant & Rey, 1853: 4.X.2009, 5 spec. (sifted).
Phloeocharis subtilissima Mannerheim, 1830: 26.IV.2009, 1 spec.; 17.V.2009, 1 spec.
Plataraea dubiosa (G. Benick, 1935): 10.V.2009, 1 spec.
Platydracus fulvipes (Scopoli, 1763): 7.VI.-5.VII.2009, 2 spec. (PFT).
Platystethus cornutus cornutus (Gravenhorst, 1802): 17.V.2009, 9 spec.; 3.VIII.2009, 2 spec.
Proteinus atomarius Erichson, 1840: 5.VII.2009, 1 spec.; 4.X.2009, 2 spec. (sifted).
Quedius cinctus (Paykull, 1790): 4.X.2009, 1 spec. (sifted).
Quedius cruentus (Olivier, 1795): 10.V.2009, 1 spec.; 5.VII.2009, 1 spec.; 30.VIII.2009, 1 spec.; 6.IX.2009, 2 spec. (lured on rotting apples).
Quedius curtipennis Bernhauer, 1908: 7.VI.-5.VII.2009, 1 spec.
Quedius molochinus (Gravenhorst, 1806): 7.VI.-5.VII.2009, 1 spec.
Rugilus angustatus (Geoffroy, 1785): 17.V.2009, 1 spec.
Rugilus rufipes (Germar, 1836): 5.VII.2009, 2 spec.; 6.IX.2009, 2 spec. (lured on rotting apples); 6.IX.2009, 3 spec. (lured on rotting apples); 4.X.2009, 1 spec. (lured on ripen cheese).
Scaphidium quadrimaculatum Olivier, 1790: 30.VIII.2009, 1 spec., Oto Nakládal det.; 23.X.2009, 1 spec., Oto Nakládal det.
Scaphisoma agaricinum (Linnaeus, 1758): 30.VIII.2009, 2 spec.; 4.X.2009, 1 spec. (sifted).
Sepedophilus obtusus (Luzé, 1902): 7.VI.2009, 1 spec.
Sepedophilus testaceus (Fabricius, 1793): 13.VI.2009, 1 spec.
Staphylinus erythropterus erythropterus Linnaeus, 1758: 7.VI.-5.VII.2009, 13 spec. (PFT).
Stenus biguttatus (Linnaeus, 1758): 3.VIII.2009, 1 spec.

Stenus bimaculatus Gyllenhal, 1810: 3.VIII.2009, 1 spec.
Stenus similis (Herbst, 1784): 7.VI.2009, 1 spec.
Tachinus fimetarius Gravenhorst, 1802: 13.VI.2009, 1 spec.
Tachinus marginellus marginellus (Fabricius, 1781): 5.VII.2009, 5 spec.
Tachinus rufipes (Linnaeus, 1758): 5.VII.2009, 1 spec.; 2.VIII.2009, 1 spec.
Tachyporus hypnorum (Fabricius, 1775): 2.VIII.2009, 1 spec.; 3.X.2009, 1 spec.; 4.X.2009, 1 spec.
Tachyporus obtusus (Linnaeus, 1767): 3.VIII.2009, 1 spec.
Tachyporus solutus Erichson, 1839: 2.VIII.2009, 1 spec.
Tasgius morsitans (Rossi, 1790): 7.VI.-5.VII.2009, 2 spec.
Thamiaraea cinnamomea (Gravenhorst, 1802): 6.IX.2009, 5 spec. (lured on rotting apples).
Xantholinus tricolor (Fabricius, 1787): 2.VIII.2009, 1 spec.; 7.VI.-5.VII.2009, 1 spec. (PFT).
Zyras lugens (Gravenhorst, 1802): 5.VII.2009, 1 spec.

Lucanidae

Dorcus parallelipipedus (Linnaeus, 1758): 7.VI.2009, 1 spec.

Trogidae

Trox scaber (Linnaeus, 1767): 3.VIII.2009, 1 spec.

Geotrupidae

Anoplotrupes stercorosus (Hartmann in L. G. Scriba, 1791): 5.VII.-8.VIII.2009, 30 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 9 spec. (PFT – hardwood floodplain); 7.VI.-5.VII.2009, 2 spec. (PFT – softwood floodplain).

Scarabaeidae

Aphodius fimetarius (Linnaeus, 1758): 5.VII.2009, 1 spec., Jan Schneider det.
Aphodius rufipes (Linnaeus, 1758): 30.VIII.2009, 1 spec., Jan Schneider det.
Aphodius depressus (Kugelann, 1792): 7.VI.2009, 1 spec., Jan Schneider det.
Aphodius maculatus Sturm, 1800: 5.VII.2009, 3 spec., Jan Schneider det.
Aphodius rufus (Moll, 1782): 27.IX.2009, 1 spec., Jan Schneider det.
Aphodius sticticus (Panzer, 1798): 17.V.2009, 5 spec., Jan Schneider det.; 13.VI.2009, 1 spec., Jan Schneider det.; 5.VII.2009, 1 spec., Jan Schneider det.
Cetonia aurata aurata (Linnaeus, 1761): 10.V.2009, 1 spec.
Melolontha melolontha (Linnaeus, 1758): 9.V.2009, 1 spec.; 10.V.2009, 1 spec.
Onthophagus coenobita (Herbst, 1783): 9.V.2009, 1 spec., Jan Schneider det.; 4.X.2009, 1 spec., Jan Schneider det.
Onthophagus verticicornis (Laicharting, 1781): 9.V.2009, 4 spec., Jan Schneider det.
Oxythyrea funesta (Poda, 1761): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Phyllopertha horticola (Linnaeus, 1758): 7.VI.2009, 2 spec.
Protaetia cuprea obscura (Andersch, 1797): 10.V.2009, 1 spec.
Serica brunnea (Linnaeus, 1758): 3.VII.2009, 2 spec.
Valgus hemipterus (Linnaeus, 1758): 9.V.2009, 2 spec.; 7.VI.2009, 1 spec.

Scirtidae

Cyphon palustris C. G. Thomson, 1855: 13.VI.2009, 2 spec.
Cyphon ruficeps Tournier, 1868: 13.VI.2009, 3 spec.

Buprestidae

- Agrilus angustulus angustulus* (Illiger, 1803): 17.V.2009, 1 spec.; 27.VI.2009, 1 spec.
Agrilus convexicollis L. Redtenbacher, 1849: 27.VI.2009, 2 spec.
Agrilus guerini Lacordaire 1835: 2009, Oto Nakládal det. (only galleries).
Agrilus laticornis (Illiger, 1803): 10.V.2009, 1 spec.; 17.V.2009, 1 spec.; 13.VI.2009, 1 spec.; 14.VI.2009, 2 spec.; 27.VI.2009, 6 spec.
Agrilus obscuricollis Kiesenwetter, 1857: 27.VI.2009, 2 spec.; 3.VII.2009, 1 spec., coll. Národní museum (NM) Praha.
Agrilus olivicolor Kiesenwetter, 1857: 13.VI.2009, 1 spec.; 14.VI.2009, 1 spec.; 27.VI.2009, 1 spec., coll. NM Praha; 2.VIII.2009, 1 spec., coll. NM Praha.
Agrilus sulcicollis Lacordaire, 1835: 17.V.2009, 2 spec.; 7.VI.2009, 1 spec.
Agrilus viridis viridis (Linnaeus, 1758): 10.V.2009, 2 spec.; 7.VI.2009, 2 spec.; 13.VI.2009, 1 spec.
Anthaxia nitidula (Linnaeus, 1758): 10.V.2009, 2 spec.; 7.VI.2009, 1 spec.
Anthaxia quadripunctata quadripunctata (Linnaeus, 1758): 7.VI.2009, 3 spec.; 27.VI.2009, 1 spec.
Anthaxia senicula senicula (Schrank, 1789): 2009, Oto Nakládal det. (only galleries).
Dicerca alni (Fischer von Waldheim, 1824): 2009, (only galleries).
Lamprodila decipiens decipiens (Gebler, 1847): 2009, (only galleries).
Trachys minuta (Linnaeus, 1758): 14.VI.2009, 1 spec.

Byrrhidae

- Chaetophora spinosa* (Rossi, 1794): 4.X.2009, 1 spec.
Lamprobyrrhulus nitidus (Schaller, 1783): 17.V.2009, 1 spec.

Eucnemidae

- Eucnemis capucina* Ahrens, 1812: 5.VII.2009, 1 spec. (swept from vegetation in hardwood floodplain).
Hylis olexai (Palm, 1955): 7.VIII.2009, 1 spec., Jiří Vávra det. (to the window trap set on old *Ulmus* sp.).
Melasis buprestoides (Linnaeus, 1761): 5.VII.2009, 1 spec. (found dead).

Throscidae

- Trixagus carinifrons* (Bonvouloir, 1859): 7.VI.2009, 1 spec.
Trixagus dermestoides (Linnaeus, 1767): 13.VI.2009, 1 spec.; 3.VII.2009, 2 spec.

Elateridae

- Adrastus montanus* (Scopoli, 1763): 3.VII.2009, 1 spec.; 2.VIII.2009, 1 spec.
Adrastus pallens (Fabricius, 1792): 2.VIII.2009, 3 spec.
Agriotes acuminatus (Stephens, 1830): 9.V.2009, 2 spec.; 10.V.2009, 4 spec.; 7.VI.2009, 1 spec.
Agriotes lineatus (Linnaeus, 1767): 7.VI.2009, 1 spec.
Agriotes obscurus (Linnaeus, 1758): 9.V.2009, 1 spec.; 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.; 27.VI.2009, 1 spec.; 7.VI.-5.VII.2009, 1 spec.
Agriotes pilosellus (Schönherr, 1817): 9.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Agriotes sputator (Linnaeus, 1758): 9.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Agriotes ustulatus (Schaller, 1783): 2.VIII.2009, 2 spec.
Agrypnus murinus (Linnaeus, 1758): 27.VI.2009, 1 spec.

Ampedus pomorum (Herbst, 1784): 10.V.2009, 2 spec.; 7.VI.2009, 1 spec.; 14.VI.2009, 1 spec.
Ampedus sanguinolentus (Schrank, 1776): 9.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Anostirus purpureus (Poda, 1761): 17.V.2009, 1 spec.
Athous bicolor (Goeze, 1777): 27.VI.2009, 1 spec.
Athous haemorrhoidalis (Fabricius, 1801): 9.V.2009, 1 spec.; 10.V.2009, 4 spec.; 27.VI.2009, 3 spec.
Athous subfuscus (O. F. Müller, 1767): 27.VI.2009, 1 spec.
Athous vittatus (Fabricius, 1792): 3.V.2009, 2 spec.; 9.V.2009, 2 spec.; 10.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Ctenicera pectinicornis (Linnaeus, 1758): 17.V.2009, 1 spec.
Dalopius marginatus (Linnaeus, 1758): 9.V.2009, 1 spec.
Denticollis linearis (Linnaeus, 1758): 9.V.2009, 6 spec.; 10.V.2009, 1 spec.
Denticollis rubens (Piller & Mitterpacher, 1783): 9.V.2009, 1 spec.
Hemicrepidius hirtus (Herbst, 1784): 13.VI.2009, 1 spec.; 27.VI.2009, 1 spec.
Hemicrepidius niger (Linnaeus, 1758): 10.V.2009, 3 spec.; 27.VI.2009, 1 spec.
Limenius poneli Leseigneur & Mertlik, 2007: 3.V.2009, 2 spec.; 3.VII.2009, 3 spec.
Melanotus castanipes (Paykull, 1800): 9.V.2009, 2 spec.; 10.V.2009, 1 spec.
Synaptus filiformis (Fabricius, 1781): 10.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Zorochros dermestoides (Herbst, 1806): 17.V.2009, 1 spec.

Drilidae

Drilus concolor Ahrens, 1812: 14.VI.2009, 1 spec. (swept from vegetation in hardwood floodplain).

Lycidae

Platycis minutus (Fabricius, 1787): 30.VIII.2009, 2 spec.

Lampyridae

Lamprohiza splendidula (Linnaeus, 1767): 26.VI.2009, 2 spec.
Phosphaenus hemipterus Geoffroy, 1762: 3.VII.2009, 1 spec.

Cantharidae

Cantharis fusca Linnaeus, 1758: 10.V.2009, 7 spec.
Cantharis livida Linnaeus, 1758: 3.V.2009, 1 spec.; 10.V.2009, 5 spec.
Cantharis nigricans (O. F. Müller, 1776): 10.V.2009, 3 spec.; 17.V.2009, 4 spec.; 7.VI.2009, 2 spec.; 14.VI.2009, 1 spec.
Cantharis pellucida Fabricius, 1792: 3.V.2009, 2 spec.; 10.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Cantharis rufa Linnaeus, 1758: 10.V.2009, 1 spec.; 13.VI.2009, 1 spec.
Malthinus flaveolus (Herbst, 1786): 7.VI.2009, 1 spec.; 27.VI.2009, 1 spec.
Malthinus moravicus Švihla, 1997: 14.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Malthodes marginatus Latreille, 1806: 17.V.2009, 1 spec.
Malthodes minimus (Linnaeus, 1758): 14.VI.2009, 1 spec.; 27.VI.2009, 1 spec.
Podabrus alpinus (Paykull, 1798): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Podistra schoenherrri (Dejean, 1836): 17.V.2009, 1 spec.
Rhagonycha fulva (Scopoli, 1763): 2.VIII.2009, 4 spec.
Rhagonycha gallica Pic, 1923: 7.VI.2009, 1 spec.
Rhagonycha interposita Dahlgren, 1978: 17.V.2009, 2 spec.

Rhagonycha lutea (O. F. Müller, 1764): 7.VI.2009, 1 spec.; 14.VI.2009, 7 spec.; 5.VII.2009, 1 spec.

Rhagonycha nigriventris Motschulsky, 1860: 17.V.2009, 1 spec.

Dermestidae

Anthrenus scrophulariae scrophulariae (Linnaeus, 1758): 7.VI.2009, 1 spec.

Dermestes frischii Kugelann, 1792: 10.V.2009, 1 spec. (on carrion).

Dermestes murinus murinus Linnaeus, 1758: 17.V.2009, 1 spec.

Trinodes hirtus (Fabricius, 1781): 14.VI.2009, 1 spec., Oto Nakládal det.

Ptinidae

Caenocara bovistae (Hoffmann, 1803): 17.V.2009, 1 spec.

Dorcatoma dresdensis Herbst, 1792: 13.VI.2009, 1 spec.; 2009, 4 spec. (reared from the polypore fungi).

Hemicoelus fulvicornis (Sturm, 1837): 10.V.2009, 1 spec.; 14.VI.2009, 1 spec.; 3.VII.2009, 2 spec.; 5.VII.2009, 1 spec.

Pseudoptilinus fissicollis (Reitter, 1877): 17.V.2009, 1 spec.

Ptilinus pectinicornis (Linnaeus, 1758): 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.

Ptinus rufipes Olivier, 1790: 3.VII.2009, 1 spec.

Xestobium rufovillosum (De Geer, 1774): 17.V.2009, 2 spec., Oto Nakládal det.; 13.VI.2009, 3 spec., Oto Nakládal det.; 13.VI.2009, 2 spec.

Xyletinus ater (Creutzer, 1796): 10.V.2009, 1 spec.; 17.V.2009, 1 spec.; 14.VI.2009, 1 spec.; 5.VII.2009, 1 spec.

Cleridae

Tillus elongatus (Linnaeus, 1758): 17.V.2009, 1 spec.

Melyridae

Axinotarsus pulicarius (Fabricius, 1775): 7.VI.2009, 1 spec.

Axinotarsus ruficollis (Olivier, 1790): 3.VII.2009, 3 spec.; 2.VIII.2009, 5 spec.

Clanoptilus geniculatus (Germar, 1824): 13.VI.2009, 1 spec.

Cordylepherus viridis (Fabricius, 1787): 13.VI.2009, 1 spec.

Dasytes plumbeus (O. F. Müller, 1776): 2.VIII.2009, 1 spec., Oto Nakládal det.

Malachius bipustulatus (Linnaeus, 1758): 7.VI.2009, 2 spec.; 13.VI.2009, 1 spec.

Trichoceble floralis (Olivier, 1790): 17.V.2009, 1 spec., Oto Nakládal det.

Kateretidae

Brachypterus urticae (Fabricius, 1792): 2.VIII.2009, 23 spec.

Nitidulidae

Carpophilus marginellus Motschulsky, 1858: 6.IX.2009, 2 spec. (lured on rotting apples).

Cryptarcha undata (Olivier, 1790): 18.XII.2009, 4 spec.

Epuraea aestiva (Linnaeus, 1758): 10.V.2009, 2 spec.; 2.VIII.2009, 1 spec.

Epuraea longula Erichson, 1845: 30.VIII.2009, 1 spec.; 6.IX.2009, 1 spec. (lured on rotting apples).

Epuraea melanocephala (Marshall, 1802): 2.VIII.2009, 1 spec.

Epuraea melina Erichson, 1843: 2.VIII.2009, 1 spec.

Epuraea neglecta (Heer, 1841): 7.VI.2009, 1 spec.; 5.VII.2009, 1 spec.

Epuraea pallescens (Stephens, 1835): 10.V.2009, 1 spec.; 2.VIII.2009, 1 spec.

Epuraea unicolor (Olivier, 1790): 3.V.2009, 1 spec.; 10.V.2009, 2 spec.; 3.VII.2009, 1 spec.; 6.IX.2009, 4 spec. (lured on rotting apples).
Epuraea variegata (Herbst, 1793): 5.VII.2009, 1 spec.
Glischrochilus quadrisignatus (Say, 1835): 6.IX.2009, 6 spec. (lured on rotting apples).
Meligethes aeneus (Fabricius, 1775): 10.V.2009, 1 spec.; 2.VIII.2009, 3 spec.
Meligethes bidens C. Brisout de Barneville, 1863: 13.VI.2009, 1 spec.
Meligethes egenus Erichson, 1845: 7.VI.2009, 3 spec.
Meligethes ochropus Sturm, 1845: 5.VII.2009, 1 spec.
Meligethes sulcatus C. Brisout de Barneville, 1863: 14.VI.2009, 1 spec.; 3.VII.2009, 1 spec.
Meligethes symphyti (Heer, 1841): 2.VIII.2009, 1 spec.
Meligethes viridescens (Fabricius, 1787): 3.VII.2009, 2 spec.
Meligethes denticulatus (Heer, 1841): 7.VI.2009, 1 spec.
Omosita depressa (Linnaeus, 1758): 6.IX.2009, 1 spec. (lured on rotting apples); 4.X.2009, 2 spec. (sifted).
Omosita discoidea (Fabricius, 1775): 6.IX.2009, 1 spec. (lured on rotting apples).
Soronia grisea (Linnaeus, 1758): 6.IX.2009, 1 spec. (lured on rotting apples); 6.XII.2009, 1 spec.

Monotomidae

Rhizophagus aeneus Richter, 1820: 3.VII.2009, 1 spec.
Rhizophagus bipustulatus (Fabricius, 1792): 17.V.2009, 1 spec.
Rhizophagus dispar (Paykull, 1800): 5.III.2009, 3 spec.
Rhizophagus perforatus Erichson, 1845: 17.V.2009, 1 spec.; 6.IX.2009, 1 spec. (lured on rotting apples).
Rhizophagus picipes (Olivier, 1790): 10.V.2009, 1 spec.

Silvanidae

Psammoeceus bipunctatus (Fabricius, 1792): 14.III.2009, 1 spec., Oto Nakládal det. (from river debris).
Silvanoprus fagi (Guérin-Méneville, 1844): 3.VII.2009, 1 spec.
Silvanus bidentatus (Fabricius, 1792): 5.VII.2009, 1 spec.
Uleiota planatus (Linnaeus, 1761): 17.V.2009, 1 spec.

Cucujidae

Pediacus depressus (Herbst, 1797): 5.VII.2009, 1 spec. (under bark of *Carpinus betulus* L.).

Cryptophagidae

Antherophagus similis Curtis, 1835: 27.VI.2009, 4 spec. (from *Bombus* sp. nest).
Atomaria analis Erichson, 1846: 3.VII.2009, 2 spec.; 2.VIII.2009, 1 spec.
Atomaria atricapilla Stephens, 1830: 13.VI.2009, 1 spec.
Atomaria fuscata (Schönherr, 1808): 10.V.2009, 2 spec.; 13.VI.2009, 1 spec.; 14.VI.2009, 1 spec.; 3.VII.2009, 5 spec.; 2.VIII.2009, 2 spec.; 4.X.2009, 7 spec. (sifted); 18.XII.2009, 3 spec.
Atomaria linearis Stephens, 1830: 10.V.2009, 1 spec.
Cryptophagus distinguendus Sturm, 1845: 3.VII.2009, 1 spec.
Cryptophagus micaceus Rey, 1889: 10.V.2009, 1 spec.
Cryptophagus pallidus Sturm, 1845: 6.IX.2009, 2 spec. (lured on rotting apples); 4.X.2009, 4 spec. (lured on ripen cheese); 23.X.2009, 1 spec. (lured on ripen cheese).

Cryptophagus punctipennis C. N. F. Brisout de Barneville, 1863: 3.VII.2009, 1 spec.; 4.X.2009, 1 spec. (lured on ripen cheese); 23.X.2009, 1 spec. (lured on ripen cheese).
Ephistemus reitteri Casey, 1900: 10.V.2009, 2 spec.; 4.X.2009, 4 spec. (sifted); 18.XII.2009, 1 spec.
Micrambe woodroffei Johnson, 2007: 3.VII.2009, 1 spec.

Erotylidae

Dacne bipustulata (Thunberg, 1781): 5.VII.2009, 1 spec.
Triplax rufipes (Fabricius, 1787): 3.VII.2009, 10 spec.
Tritoma bipustulata Fabricius, 1775: 10.V.2009, 1 spec.

Byturidae

Byturus ochraceus (Scriba, 1790): 7.VI.2009, 2 spec.

Cerylonidae

Cerylon fagi C. Brisout de Barneville, 1867: 5.VII.2009, 1 spec.
Cerylon ferrugineum Stephens, 1830: 17.V.2009, 2 spec.; 5.VII.2009, 1 spec.; 4.X.2009, 5 spec. (sifted).
Cerylon histeroides (Fabricius, 1792): 3.VII.2009, 1 spec.; 3.VIII.2009, 2 spec.

Endomychidae

Endomychus coccineus (Linnaeus, 1758): 5.VII.2009, 5 spec.; 6.IX.2009, 1 spec. (lured on rotting apples).
Mycetina cruciata (Schaller, 1783): 26.VI.2009, 1 spec.; 6.IX.2009, 1 spec. (lured on rotting apples).

Coccinellidae

Adalia bipunctata (Linnaeus, 1758): 3.V.2009, 1 spec.; 10.V.2009, 3 spec.; 7.VI.2009, 1 spec.
Adalia decempunctata (Linnaeus, 1758): 3.V.2009, 2 spec.; 10.V.2009, 2 spec.
Calvia decempunctata (Linnaeus, 1767): 3.V.2009, 1 spec.
Calvia quatuordecimguttata (Linnaeus, 1758): 3.V.2009, 1 spec.; 10.V.2009, 1 spec.
Ceratomegilla undecimnotata (D. H. Schneider, 1792): 10.V.2009, 1 spec.
Coccidula rufa (Herbst, 1783): 7.VI.2009, 1 spec.,
Coccidula scutellata (Herbst, 1783): 17.V.2009, 1 spec.
Coccinella quinquepunctata Linnaeus, 1758: 10.V.2009, 1 spec.
Coccinella septempunctata septempunctata Linnaeus, 1758: 5.VII.-8.VIII.2009, 1 spec.,
 Oto Nakládál det. (PFT – softwood floodplain).
Exochomus quadripustulatus (Linnaeus, 1758): 3.V.2009, 1 spec.; 10.V.2009, 1 spec.; 14.VI.2009, 1 spec.
Harmonia axyridis (Pallas, 1773): 3.V.2009, 4 spec.; 10.V.2009, 2 spec.; 7.VI.2009, 2 spec.
 (very common invasive species).
Hippodamia tredecimpunctata (Linnaeus, 1758): 17.V.2009, 1 spec.; 3.VIII.2009, 1 spec.
Hyperaspis concolor (Suffrian, 1843): 7.VI.2009, 1 spec.; 13.VI.2009, 5 spec.
Propylea quatuordecimpunctata (Linnaeus, 1758): 3.V.2009, 1 spec.; 2.VIII.2009, 2 spec.
Scymnus ferrugatus (Moll, 1785): 10.V.2009, 1 spec.
Scymnus frontalis (Fabricius, 1787): 10.V.2009, 1 spec.
Scymnus haemorrhoidalis Herbst, 1797: 10.V.2009, 1 spec.
Scymnus rubromaculatus (Goeze, 1777): 5.VII.2009, 1 spec.
Stethorus punctillum (Weise, 1891): 18.XII.2009, 1 spec.

Corylophidae

Corylophus cassidoides (Marshall, 1802): 13.VI.2009, 1 spec.
Orthoperus atomus (Gyllenhal, 1808): 17.V.2009, 1 spec.
Orthoperus corticalis (Redtenbacher, 1845): 4.X.2009, 1 spec. (sifted).
Orthoperus rogeri Kraatz, 1874: 3.VIII.2009, 2 spec.
Sericoderus lateralis (Gyllenhal, 1827): 6.IX.2009, 1 spec. (lured on rotting appels); 18.XII.2009, 1 spec.

Latridiidae

Cartodere nodifer (Westwood, 1839): 2.VIII.2009, 1 spec.
Corticaria elongata (Gyllenhal, 1827): 18.XII.2009, 1 spec.
Corticarina minuta (Fabricius, 1792): 23.X.2009, 1 spec. (lured on ripen cheese).
Corticicaria gibbosa (Herbst, 1793): 10.V.2009, 1 spec.; 14.VI.2009, 1 spec.; 3.VII.2009, 1 spec.; 2.VIII.2009, 2 spec.,
Enicmus histrio Joy & Tomlin, 1910: 18.XII.2009, 1 spec.
Enicmus transversa (Olivier, 1790): 3.VII.2009, 1 spec.
Latridius consimilis (Mannerheim, 1844): 7.VI.2009, 1 spec.
Stephostethus angusticollis (Gyllenhal, 1827): 3.VII.2009, 5 spec.
Stephostethus caucasicus (Mannerheim, 1844): 2.VIII.2009, 1 spec.
Stephostethus lardarius (De Geer, 1775): 10.V.2009, 4 spec.

Mycetophagidae

Mycetophagus atomarius (Fabricius, 1787): 3.VII.2009, 1 spec.
Mycetophagus decempunctatus decempunctatus Fabricius, 1801: 3.VIII.2009, 1 spec.
Mycetophagus piceus (Fabricius, 1777): 17.V.2009, 1 spec.
Mycetophagus quadripustulatus (Linnaeus, 1760): 5.VII.2009, 3 spec.
Triphyllus bicolor (Fabricius, 1777): 5.VII.2009, 2 spec.

Ciidae

Cis bidentatus (Olivier, 1790): 5.VII.2009, 1 spec.
Cis boleti (Scopoli, 1763): 7.VI.2009, 1 spec.
Cis castaneus (Herbst, 1793): 13.VI.2009, 2 spec.
Cis micans (Fabricius, 1792): 17.V.2009, 2 spec.; 7.VI.2009, 1 spec.
Cis pygmaeus pygmaeus (Marshall, 1802): 27.VI.2009, 1 spec.; 5.VII.2009, 1 spec.; 2.VIII.2009, 1 spec.
Cis rugulosus Mellié, 1848: 10.V.2009, 1 spec.; 5.VII.2009, 1 spec.
Ennearthron cornutum (Gyllenhal, 1827): 27.VI.2009, 2 spec.
Orthocis alni (Gyllenhal, 1813): 14.VI.2009, 2 spec.
Sulcacis fronticornis (Panzer, 1805): 17.V.2009, 1 spec.
Sulcacis nitidus (Fabricius, 1792): 17.V.2009, 1 spec.

Tetratomidae

Tetratoma ancora Fabricius, 1790: 5.VII.2009, 5 spec. (from dead branches of fallen down *Carpinus betulus*)

Melandryidae

Abdera flexuosa (Paykull, 1799): 17.V.2009, 4 spec.
Hallomenus binotatus (Quensel, 1790): 13.VI.2009, 1 spec.
Hypulus quercinus (Quensel, 1790): 10.V.2009, 1 spec.; 17.V.2009, 1 spec., coll. Jan Horák; 13.VI.2009, 1 spec.

Melandrya barbata (Fabricius, 1787): 7.VI.-5.VII.2009, 1 spec. (PFT – hardwood floodplain).

Orchesia minor Walker, 1837: 14.VI.2009, 4 spec.

Orchesia undulata Kraatz, 1853: 5.VII.2009, 1 spec.

Mordellidae

Mordella brachyura brachyura Mulsant, 1856: 7.VI.2009, 4 spec.; 27.VI.2009, 5 spec.; 2.VIII.2009, 28 spec.

Mordella holomelaena holomelaena Apfelbeck, 1914: 17.V.2009, 2 spec.; 7.VI.2009, 1 spec.; 27.VI.2009, 1 spec.

Mordellistena bicoloripilosa Ermisch, 1967: 7.VI.2009, 1 spec.

Mordellistena humeralis (Fabricius, 1758): 2.VIII.2009, 2 spec.

Mordellistena kraatzi kraatzi Emery, 1876: 7.VI.2009, 1 spec.

Mordellistena neuwaldeggiana (Panzer, 1796): 5.VII.2009, 1 spec.; 2.VIII.2009, 9 spec.

Mordellistena parvula (Gyllenhal, 1827): 27.VI.2009, 1 spec.

Mordellistena pumila (Gyllenhal, 1810): 17.V.2009, 1 spec.

Mordellistena variegata (Fabricius, 1798): 7.VI.2009, 2 spec.; 27.VI.2009, 1 spec.

Mordellistena inexpectata Ermisch, 1967: 27.VI.2009, 1 spec.

Mordellochroa abdominalis (Fabricius, 1775): 17.V.2009, 2 spec.; 7.VI.2009, 6 spec.

Tomoxia bucephala Costa, 1854: 27.VI.2009, 1 spec.; 5.VII.2009, 1 spec.

Variimorda villosa (Schrank, 1781): 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.; 27.VI.2009, 1 spec.

Zopheridae

Colydium filiforme Fabricius, 1792: 13.VI.2009, 1 spec.

Synchita humeralis (Fabricius, 1792): 14.VI.2009, 1 spec.

Tenebrionidae

Corticeus unicolor Piller & Mitterpacher, 1783: 17.V.2009, 2 spec.; 7.VI.2009, 2 spec.

Diaperis boleti boleti (Linnaeus, 1758): 30.VIII.2009, 1 spec.

Mycetochara linearis (Illiger, 1794): 7.VI.2009, 1 spec., Jiří Vávra det.

Platydemus violaceum (Fabricius, 1790): 13.VI.2009, 1 spec.

Scaphidema metallicum metallicum (Fabricius, 1792): 10.V.2009, 1 spec.

Stenomax aeneus Scopoli, 1763: 10.V.2009, 3 spec.

Oedemeridae

Ischnomera sanguinicollis (Fabricius, 1787): 17.V.2009, 1 spec.

Oedemera femorata (Scopoli, 1763): 7.VI.2009, 1 spec.

Oedemera virescens virescens (Linnaeus, 1767): 17.V.2009, 2 spec.; 7.VI.2009, 3 spec.; 13.VI.2009, 1 spec.

Pyrochroidae

Agnathus decoratus (Germar, 1818): 17.V.2009, 2 spec.; 7.VIII.2009, 1 spec. (dead in window trap on set on the bank of Morava river with pile of wood debris – Fig. 3).

Pyrochroa coccinea (Linnaeus, 1760): 9.V.2009, 1 spec.

Schizotus pectinicornis (Linnaeus, 1758): 9.V.2009, 1 spec.; 17.V.2009, 1 spec.

Salpingidae

Lissodema cursor (Gyllenhal, 1813): 3.VII.2009, 2 spec.

Lissodema denticolle (Gyllenhal, 1813): 14.VI.2009, 2 spec.; 27.VI.2009, 1 spec.; 3.VII.2009, 2 spec.

Salpingus ruficollis (Linnaeus, 1760): 5.VII.2009, 1 spec.

Salpingus planirostris (Fabricius, 1787): 5.VII.2009, 4 spec.; 2.VIII.2009, 1 spec.

Vincenzellus ruficollis (Panzer, 1794): 3.VII.2009, 1 spec.

Anthicidae

Notoxus monoceros (Linnaeus, 1760): 17.V.2009, 1 spec.

Aderidae

Phytobaenus amabilis R. F. Sahlberg, 1834: 2.VIII.2009, 1 spec.

Scraptiidae

Anaspis brunnipes Mulsant, 1856: 17.V.2009, 1 spec.

Anaspis flava (Linnaeus, 1758): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.

Anaspis frontalis (Linnaeus, 1758): 17.V.2009, 2 spec.; 7.VI.2009, 2 spec.; 3.VII.2009, 1 spec.; 2.VIII.2009, 2 spec.

Anaspis marginicollis Lindberg, 1925: 14.VI.2009, 2 spec.; 14.VI.2009, 1 spec., coll. Jan Horák.

Anaspis palpalis (Gerhardt, 1876): 7.VI.2009, 4 spec.

Cerambycidae

Agapanthia villosoviridescens (De Geer, 1775): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.; 7.VI.-5.VII.2009, 1 spec. (PFT – softwood floodplain).

Alosterna tabacicolor tabacicolor (De Geer, 1775): 9.V.2009, 1 spec.; 17.V.2009, 3 spec.

Anaglyptus mysticus (Linnaeus, 1758): 3.V.2009, 1 spec.; 10.V.2009, 1 spec.

Anoplodera rufipes rufipes (Schaller, 1783): 7.VI.2009, 1 spec.

Anoplodera sexguttata (Fabricius, 1775): 7.VI.2009, 11 spec.

Aromia moschata moschata (Linnaeus, 1758): 2009, (only galleries).

Clytus arietis arietis (Linnaeus, 1758): 10.V.2009, 1 spec.; 7.VI.2009, 1 spec.

Dinoptera collaris (Linnaeus, 1758): 17.V.2009, 3 spec.; 7.VI.2009, 1 spec.

Exocentrus lusitanus (Linnaeus, 1767): 13.VI.2009, 1 spec.; 14.VI.2009, 3 spec.; 3.VII.2009, 1 spec.

Glaphyra umbellatarum (Schreber, 1759): 7.VI.2009, 1 spec.; 14.VI.2009, 2 spec.

Grammoptera abdominalis (Stephens, 1831): 10.V.2009, 1 spec.

Grammoptera ruficornis ruficornis (Fabricius, 1781): 7.VI.2009, 1 spec.,

Grammoptera ustulata (Schaller, 1783): 9.V.2009, 1 spec.; 17.V.2009, 1 spec.,

Chlorophorus figuratus (Scopoli, 1763): 7.VI.2009, 2 spec.; 13.VI.2009, 1 spec.

Leioderes kollari Redtenbacher, 1849: 2009, (only galleries).

Leiopus linnei Wallin, Nylander & Kvamme, 2009: 10.V.2009, 1 spec.; 7.VI.2009, 1 spec.

Leptura aethiops Poda, 1761: 17.V.2009, 1 spec.; 7.VI.2009, 4 spec.

Leptura annularis annularis Fabricius, 1801: 17.V.2009, 1 spec.; 7.VI.2009, 4 spec.

Leptura quadrifasciata quadrifasciata Linnaeus, 1758: 27.VI.2009, 1 spec.; 3.VIII.2009, 1 spec.

Molorchus minor minor (Linnaeus, 1758): 17.V.2009, 1 spec.

Oplisia cinerea (Mulsant, 1839): 9.V.2009, 1 spec.; 10.V.2009, 1 spec.

Pachytodes cerambyciformis (Schränk, 1781): 17.V.2009, 2 spec.; 7.VI.2009, 1 spec.

Phytoecia cylindrica (Linnaeus, 1758): 17.V.2009, 1 spec.; 7.VI.2009, 2 spec.

Pidonia lurida (Fabricius, 1792): 7.VI.2009, 1 spec.

Poecilium alni alni (Linnaeus, 1767): 10.V.2009, 1 spec.; 17.V.2009, 1 spec.

Pogonocherus hispidus (Linnaeus, 1758): 10.V.2009, 2 spec.
Prionus coriarius (Linnaeus, 1758): 30.VIII.2009, 1 spec.; 6.XII.2009, 1 spec. (found dead).
Pseudovadonia livida livida (Fabricius, 1777): 27.VI.2009, 1 spec.
Rhagium mordax (De Geer, 1775): 17.V.2009, 1 spec.
Rusticoclytus pantherinus (Savenius, 1825): 2009, (only galleries).
Rusticoclytus rusticus (Linnaeus, 1758): 2009, 1 spec., (reared from the larva).
Rutpela maculata maculata Poda von Neuhaus, 1761: 7.VI.2009, 2 spec.
Saperda punctata (Linnaeus, 1767): 2009, (only galleries).
Saperda similis Laicharting, 1784: 2009, (only galleries).
Stenocorus meridianus (Linnaeus, 1758): 17.V.2009, 3 spec.
Stenostola dubia (Laicharting, 1784): 3.V.2009, 4 spec.; 9.V.2009, 2 spec.; 10.V.2009, 2 spec.
Stenostola ferrea ferrea (Schrank, 1776): 10.V.2009, 2 spec.
Stenurella melanura (Linnaeus, 1758): 7.VI.2009, 2 spec.; 27.VI.2009, 1 spec.
Stenurella nigra (Linnaeus, 1758): 7.VI.2009, 1 spec.
Stictoleptura maculicornis maculicornis (De Geer, 1775): 17.V.2009, 1 spec.; 7.VI.2009, 4 spec.
Strangalia attenuata (Linnaeus, 1758): 3.VII.2009, 1 spec.
Tetrops praeustus praeustus (Linnaeus, 1758): 17.V.2009, 3 spec.
Tetrops starkii Chevrolat, 1859: 10.V.2009, 4 spec.; 14.V.2009, 1 spec.

Orsodacnidae

Orsodacne cerasi (Linnaeus, 1758): 3.V.2009, 11 spec.; 7.VI.2009, 1 spec.

Chrysomelidae

Aphthona euphorbiae (Schrank, 1781): 10.V.2009, 1 spec.
Bromius obscurus (Linnaeus, 1758): 10.V.2009, 1 spec.
Bruchus atomarius (Linnaeus, 1760): 13.VI.2009, 1 spec.
Cassida nebulosa Linnaeus, 1758: 27.VI.2009, 1 spec.
Cassida rubiginosa rubiginosa O. F. Müller, 1776: 10.V.2009, 1 spec.; 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.; 13.VI.2009, 2 spec.; 27.VI.2009, 1 spec.
Cassida sanguinosa Suffrian, 1844: 7.VI.2009, 1 spec.
Cassida vibex Linnaeus, 1767: 13.VI.2009, 1 spec.
Clytra laeviuscula Ratzeburg, 1837: 27.VI.2009, 1 spec.
Crepidodera aurata (Marsham, 1802): 10.V.2009, 2 spec.; 2.VIII.2009, 1 spec.
Crepidodera aurea (Geoffroy, 1785): 2.VIII.2009, 1 spec.; 2.VIII.2009, 1 spec.
Cryptocephalus moraei (Linnaeus, 1758): 13.VI.2009, 4 spec.; 2.VIII.2009, 1 spec.
Cryptocephalus ocellatus ocellatus Drapiez, 1819: 7.VI.2009, 1 spec.
Cryptocephalus octoguttatus (Linnaeus, 1767): 10.V.2009, 1 spec.
Cryptocephalus pusillus Fabricius, 1777: 2.VIII.2009, 2 spec.
Cryptocephalus querceti Suffrian, 1848: 3.VII.2009, 1 spec.
Cryptocephalus transiens Franz, 1949: 27.VI.2009, 1 spec.
Donacia semicuprea Panzer, 1796: 7.VI.2009, 1 spec.
Epitrix pubescens (Koch, 1803): 2.VIII.2009, 1 spec.
Galerucella lineola lineola (Fabricius, 1781): 10.V.2009, 4 spec.
Gastrophysa viridula viridula (De Geer, 1775): 13.VI.2009, 1 spec.
Gonioctena linnaeana linnaeana (Schrank, 1781): 7.VI.2009, 12 spec.
Gonioctena quinquepunctata quinquepunctata (Fabricius, 1787): 10.V.2009, 1 spec.

Hermaphysa mercurialis (Fabricius, 1792): 13.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Hispa atra Linnaeus, 1767: 5.VII.2009, 1 spec.
Chaetocnema aridula (Gyllenhal, 1827): 2.VIII.2009, 5 spec.; 3.X.2009, 1 spec.
Chaetocnema concinna (Marsham, 1802): 10.V.2009, 1 spec.; 2.VIII.2009, 5 spec.
Chaetocnema conducta (Motschulsky, 1838): 3.X.2009, 1 spec.
Chaetocnema mannerheimii (Gyllenhal, 1827): 7.VI.2009, 1 spec.
Chaetocnema picipes Stephens, 1831: 2.VIII.2009, 3 spec.
Chrysolina fastuosa fastuosa (Scopoli, 1763): 27.VI.2009, 1 spec.
Chrysolina oricalcia (O. F. Müller, 1776): 13.VI.2009, 1 spec.; 3.VII.2009, 1 spec.
Chrysolina sturmi (Westhoff, 1882): 13.VI.2009, 1 spec.
Chrysolina varians (Schaller, 1783): 10.V.2009, 1 spec.; 5.VII.2009, 1 spec.; 2.VIII.2009, 2 spec.
Chrysomela populi Linnaeus, 1758: 13.VI.2009, 1 spec.; 27.VI.2009, 2 spec.; 2.VIII.2009, 1 spec.
Longitarsus atricillus (Linnaeus, 1760): 3.X.2009, 3 spec.
Longitarsus kutscheriae (Rye, 1872): 3.VIII.2009, 1 spec.
Longitarsus luridus luridus (Scopoli, 1763): 13.VI.2009, 4 spec.; 14.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.; 30.VIII.2009, 1 spec.; 3.X.2009, 4 spec.
Longitarsus nigrofasciatus nigrofasciatus (Goeze, 1777): 7.VI.2009, 1 spec.
Longitarsus pulmonariae Weise, 1893: 2.VIII.2009, 1 spec.
Neocrepidodera ferruginea (Scopoli, 1763): 13.VI.2009, 1 spec.; 3.VII.2009, 1 spec.
Oomorphus concolor (Sturm, 1807): 7.VI.2009, 1 spec.; 3.VII.2009, 1 spec.
Oulema gallaeciana Heyden, 1870: 3.VII.2009, 1 spec.; 2.VIII.2009, 5 spec.; 3.VIII.2009, 1 spec.
Oulema melanopus (Linnaeus, 1758): 2.VIII.2009, 2 spec.; 3.VIII.2009, 1 spec.
Pachybrachis sinuatus (Mulsant & Rey, 1857): 7.VI.2009, 1 spec.
Phaedon cochleariae cochleariae (Fabricius, 1792): 17.V.2009, 1 spec.; 2.VIII.2009, 2 spec.
Phyllotreta armoraciae Koch, 1803: 17.V.2009, 1 spec.
Phyllotreta atra (Fabricius, 1775): 7.VI.2009, 1 spec.
Phyllotreta cruciferae (Goeze, 1777): 2.VIII.2009, 1 spec.
Phyllotreta nemorum (Linnaeus, 1758): 17.V.2009, 1 spec.
Phyllotreta nigripes nigripes (Fabricius, 1775): 2.VIII.2009, 1 spec.
Phyllotreta ochripes (Curtis, 1837): 17.V.2009, 3 spec.; 3.VIII.2009, 1 spec.
Phyllotreta undulata (Kutschera, 1860): 17.V.2009, 1 spec.
Phyllotreta vittula (L. Redtenbacher, 1849): 2.VIII.2009, 4 spec.; 3.VIII.2009, 1 spec.
Plagioderma versicolora (Laicharting, 1781): 10.V.2009, 2 spec.; 7.VI.2009, 1 spec.
Psylliodes napi (Fabricius, 1792): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.
Psylliodes picina (Marsham, 1802): 13.VI.2009, 1 spec.; 2.VIII.2009, 8 spec.
Sphaeroderma testaceum (Fabricius, 1775): 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.; 3.X.2009, 1 spec.

Anthribidae

Anthribus nebulosus Forster, 1771: 3.V.2009, 1 spec.; 17.V.2009, 1 spec.
Enedreytes sepicola (Fabricius, 1792): 7.VI.2009, 1 spec.
Phaeochrotes pudens (Gyllenhal, 1833): 13.VI.2009, 1 spec.
Platystomos albinus (Linnaeus, 1758): 10.V.2009, 1 spec.; 17.V.2009, 1 spec.

Attelabidae

Apoderus coryli (Linnaeus, 1758): 7.VI.2009, 1 spec.; 2.VIII.2009, 2 spec.

Caenorhinus aequatus (Linnaeus, 1767): 17.V.2009, 1 spec.

Deporaus betulae (Linnaeus, 1758): 17.V.2009, 1 spec.

Lasiorrhynchites olivaceus (Gyllenhal, 1833): 7.VI.2009, 1 spec.

Pselaphorrhynchites longiceps (Thomson, 1888): 10.V.2009, 1 spec.

Brentidae

Apion frumentarium (Linnaeus, 1758): 3.VI.2009, 1 spec.

Ceratapion gibbirostre (Gyllenhal, 1813): 7.VI.2009, 1 spec.

Ceratapion onopordi (W. Kirby, 1808): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.;
13.VI.2009, 1 spec.

Exapion fuscirostre (Fabricius, 1775): 10.V.2009, 2 spec.

Ischnopterapion virens (Herbst, 1797): 3.VII.2009, 1 spec.

Kalcapion pallipes (W. Kirby, 1808): 7.VI.2009, 1 spec.; 2.VIII.2009, 6 spec.

Melanapion minimum (Herbst, 1797): 10.V.2009, 1 spec.; 2.VIII.2009, 1 spec.

Omphalapion hookerorum (W. Kirby, 1808): 5.VII.2009, 1 spec.

Protapion apricans (Herbst, 1797): 10.V.2009, 1 spec.

Protapion assimile (W. Kirby, 1808): 2.VIII.2009, 2 spec.

Protapion fulvipes (Geoffroy, 1785): 2.VIII.2009, 1 spec.

Pseudostenapion simum (Germar, 1817): 13.VI.2009, 1 spec.

Taeniapion urticarium (Herbst, 1784): 2.VIII.2009, 1 spec.

Curculionidae

Acalles camelus (Fabricius, 1792): 26.VI.2009, 1 spec.

Acalles echinatus (Germar, 1824): 18.XII.2009, 5 spec.

Acalles fallax Boheman, 1844: 30.VIII.2009, 1 spec.; 18.XII.2009, 2 spec.

Acalyptus carpini (Fabricius, 1792): 2.VIII.2009, 1 spec.

Alophus triguttatus vau (Schrank, 1781): 10.V.2009, 3 spec.; 7.VI.2009, 1 spec.;
2.VIII.2009, 1 spec.

Anoplus roboris Suffrian, 1840: 7.VI.2009, 1 spec.

Anthonomus pomorum (Linnaeus, 1758): 10.V.2009, 1 spec.

Anthonomus rubi (Herbst, 1795): 7.VI.2009, 1 spec.

Anthonomus rufus Gyllenhal, 1836: 14.VI.2009, 1 spec.

Archarius crux (Fabricius, 1776): 10.V.2009, 2 spec.

Archarius pyrrhoceras (Marsham, 1802): 17.V.2009, 4 spec.; 14.VI.2009, 1 spec.;
27.VI.2009, 1 spec.

Archarius salicivorus (Paykull, 1792): 2.VIII.2009, 1 spec.

Barypeithes pellucidus (Boheman, 1843): 7.VI.-5.VII. 2009, 2 spec. (PFT).

Bradybatus fallax Gerstäcker, 1860: 6.IX.2009, 1 spec. (lured on rotting apples).

Bradybatus kellneri Bach, 1854: 17.V.2009, 1 spec.

Ceutorhynchus erysimi (Fabricius, 1787): 13.VI.2009, 2 spec.; 14.VI.2009, 1 spec.

Ceutorhynchus obstructus (Marsham, 1802): 14.VI.2009, 2 spec.

Ceutorhynchus pallidactylus (Marsham, 1802): 7.VI.2009, 1 spec.

Ceutorhynchus pectoralis Weise, 1895: 17.V.2009, 1 spec.

Ceutorhynchus scrobicollis Neresheimer & Wagner, 1924: 7.VI.2009, 1 spec.; 13.VI.2009,
1 spec.

Cionus longicollis montanus Wingelmüller, 1914: 7.VI.2009, 1 spec.

Cionus tuberculosus (Scopoli, 1763): 7.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.

Coeliodes rana (Fabricius, 1787): 13.VI.2009, 1 spec.
Curculio glandium Marsham, 1802: 3.V.2009, 2 spec.; 10.V.2009, 2 spec.; 17.V.2009, 1 spec.; 14.VI.2009, 1 spec.
Curculio nucum Linnaeus, 1758: 10.V.2009, 1 spec.; 3.VII.2009, 1 spec.
Dorytomus longimanus (Forster, 1771): 10.V.2009, 1 spec.
Ernopus tiliae (Panzer, 1793): 27.VI.2009, 1 spec.
Eusomus ovulum Germar, 1824: 27.VI.2009, 1 spec.
Hadroplontus trimaculatus (Fabricius, 1775): 7.VI.2009, 1 spec.
Hylesinus toranio (Danthoine, 1788): 10.V.2009, 1 spec.; 27.VI.2009, 1 spec.; 5.VII.2009, 1 spec.
Hypera meles (Fabricius, 1792): 2.VIII.2009, 1 spec.
Larinus sturnus (Schaller, 1873): 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.; 27.VI.2009, 2 spec.
Larinus turbinatus Gyllenhal, 1835: 7.VI.2009, 1 spec.; 27.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Leiosoma deflexum (Panzer, 1795): 7.VI.2009, 1 spec.
Lignyodes enucleator (Panzer, 1798): 17.V.2009, 2 spec.
Lignyodes muerlei Ferrari, 1886: 10.V.2009, 1 spec.
Liophloeus lentus Germar, 1824: 9.V.2009, 2 spec.; 13.VI.2009, 1 spec.
Lixus filiformis (Fabricius, 1781): 7.VI.2009, 1 spec.
Lymantor coryli (Perris, 1853): 27.VI.2009, 1 spec.
Magdalis armigera (Geoffroy, 1785): 10.V.2009, 1 spec.; 17.V.2009, 2 spec.
Magdalis flavicornis (Gyllenhal, 1836): 7.VI.2009, 1 spec.
Mogulones abbreviatus (Fabricius, 1792): 7.VI.2009, 1 spec.
Mogulones asperifoliarum (Gyllenhal, 1813): 7.VI.2009, 1 spec.
Mogulones symphyti (Bedel, 1885): 10.V.2009, 1 spec.
Nedys quadrimaculatus (Linnaeus, 1758): 13.VI.2009, 2 spec.; 2.VIII.2009, 1 spec.; 3.X.2009, 1 spec.
Notaris acridula acridula (Linnaeus, 1758): 3.VIII.2009, 1 spec.
Orchestes testaceus (Müller, 1776): 7.VI.2009, 3 spec.
Orchestes quercus (Linnaeus, 1758): 17.V.2009, 1 spec.
Otiorhynchus ovatus (Linnaeus, 1758): 18.XII.2009, 1 spec.
Parethelcus pollinarius (Forster, 1771): 3.VII.2009, 1 spec.
Phyllobius glaucus (Scopoli, 1763): 10.V.2009, 2 spec.
Phyllobius maculicornis Germar, 1824: 17.V.2009, 2 spec.
Phyllobius oblongus (Linnaeus, 1758): 10.V.2009, 2 spec.; 7.VI.2009, 1 spec.; 13.VI.2009, 1 spec.
Phyllobius pomaceus Gyllenhal, 1834: 17.V.2009, 2 spec.; 7.VI.2009, 1 spec.
Phyllobius pyri (Linnaeus, 1758): 3.V.2009, 1 spec.
Platypus cylindrus (Fabricius, 1792): 27.IX.2009, 1 spec.
Plinthus sturmii Germar, 1819: 13.VI.2009, 1 spec.
Polydrusus tereticollis (De Geer, 1775): 7.VI.2009, 1 spec.
Polydrusus picus (Fabricius, 1792): 17.V.2009, 1 spec.
Polydrusus sericeus (Schaller, 1783): 7.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Poophagus sisymbrii (Fabricius, 1777): 14.III.2009, 1 spec. (from river debris).
Rhamphus pulicarius (Herbst, 1795): 7.VI.2009, 4 spec.
Rhinoncus pericarpus (Linnaeus, 1758): 13.VI.2009, 3 spec.
Rhinoncus smreczynskii Wagner, 1937: 10.V.2009, 1 spec.
Rhinusa asellus (Gravenhorst, 1807): 7.VI.2009, 1 spec.

Rhinusa bipustulata (Rossi, 1792): 7.VI.2009, 6 spec.
Rhyncolus punctatulus (Boheman, 1838): 3.VIII.2009, 1 spec.
Rhynchaenus salicis (Linnaeus, 1758): 7.VI.2009, 2 spec.
Sciaphilus asperatus (Bonsdorff, 1785): 13.VI.2009, 2 spec.; 27.VI.2009, 2 spec.; 3.VII.2009, 1 spec.; 3.VIII.2009, 1 spec.
Scolytus multistriatus (Marshall, 1802): 2009, Oto Nakládal det. (only galleries).
Scolytus rugulosus (P. W. J. Müller, 1818): 14.VI.2009, 1 spec.
Sitona hispidulus (Fabricius, 1776): 30.VIII.2009, 1 spec.
Sitona humeralis Stephens, 1831: 2.VIII.2009, 1 spec.; 3.VIII.2009, 1 spec.
Sitona lineatus (Linnaeus, 1758): 13.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Sitona striatellus Gyllenhal, 1834: 10.V.2009, 1 spec.
Stenocaryus ruficornis (Stephens, 1831): 7.VI.2009, 1 spec.; 2.VIII.2009, 1 spec.
Stereocorynes truncorum (Germar, 1824): 3.VIII.2009, 1 spec.
Tachyerges decoratus (Germar, 1821): 5.VII.2009, 1 spec.
Tanymericus palliatus (Fabricius, 1787): 13.VI.2009, 2 spec.; 27.VI.2009, 1 spec.
Trachodes hispidus (Linnaeus, 1758): 14.VI.2009, 1 spec.; 18.XII.2009, 1 spec.
Tropiphorus elevatus (Herbst, 1795): 7.VI.-5.VII.2009, 1 spec. (PFT).
Zaclarus geranii (Paykull, 1800): 17.V.2009, 1 spec.; 7.VI.2009, 1 spec.

DISCUSSION

The list of recorded species is certainly incomplete. It would be suitable to research more the fauna of holes of small mammals and dens of foxes (*Vulpes vulpes*) or badger (*Meles meles*) in future inventory researches. Dens of these bigger mammals were recorded in the studied area. Beaver (*Castor fiber* Linnaeus, 1758) is very common in Hejtmanka NR (according to the gnawed trees along rivers) and therefore the presence of *Platypsyllus castoris* Ritsema, 1869 is very probable. For the future, I recommend utilizing window traps on older trees, luring beetles to light in bigger extend for confirming of presence of the further species. Some species of Anthicidae (on sandy-gravel banks) and Heteroceridae were also recorded but specimens of both families were not identified to the species level and are not listed in the results.

Three of the recorded species are protected by law in the Czech Republic (decree 395/1992): *Carabus scheidleri*, *Carabus ulrichii* (Carabidae), and *Oxythyrea funesta* (Scarabaeidae). All of them belong to the category of the threatened species. Another 54 species are also included to the Red list (FARKAČ et al. 2005), including the critically endangered *Anthaxia senicula senicula* (Buprestidae), *Hylis olexai* (Eucnemidae), and *Agnathus decoratus* (Pyrochroidae). Endangered *Carphacis striatus* (Staphylinidae), *Xantholinus tricolor* (Staphylinidae), *Chaetophora spinosa* (Byrrhidae), *Agrilus guerini* (Buprestidae), *Adrastus montanus* (Elateridae), *Eucnemis capucina* (Eucnemidae), *Pediacus depressus* (Cucujidae), *Mycetophagus decempunctatus decempunctatus* (Mycetophagidae), *Melandrya barbata* (Melandryidae), *Phytobaenus amabilis* (Aderidae), *Saperda punctata* (Cerambycidae), *Cryptoccephalus pusillus*, *Goniocetena linnaeana linnaeana*, *Chaetocnema conducta*, *Oomorphus concolor* (Chrysomelidae), and *Ceutorhynchus pectoralis* (Curculionidae) were also recorded. Further near threatened *Harpalus progrediens*, *Perileptus areolatus areolatus* (Carabidae), *Agrilus olivicolor* (Buprestidae), *Ampedus sanguinolentus* (Elateridae), *Platydemus violaceum* (Tenebrionidae), *Aromia moschata moschata*, *Leioderes kollari*, *Saperda similis*, *Rusticoclytus pantherinus* (Cerambycidae), *Enedreytes sepicola* (Anthribidae), *Acalles camelus*, *A. echinatus*, *A. fallax*, *Bradybatus fallax*, *Larinus sturnus*, *Plinthus sturmii*,

Trachodes hispidus (Curculionidae), and the vulnerable *Dyschirius nitidus nitidus* (Carabidae), *Abraeus granulum* (Histeridae), *Cyphea curtula*, *Thamiaraea cinnamomea* (Staphylinidae), *Onthophagus verticicornis* (Scarabaeidae), *Agrilus convexicollis*, *Lamprodila decipiens decipiens* (Buprestidae), *Denticollis rubens* (Elateridae), *Phosphaenus hemipterus* (Lampyridae), *Drilus concolor* (Drilidae), *Malthinus moravicus* (Cantharidae), *Rhizophagus aeneus* (Monotomidae), *Silvanoprus fagi* (Silvanidae), *Endomychus coccineus* (Endomychidae), *Colydium filiforme* (Zopheridae), *Triphyllus bicolor* (Mycetophagidae), *Poophagus sisymbrii* and *Scolytus multistriatus* (Curculionidae) were recorded during the investigation.

SOUHRN

Během průzkumu brouků (Coleoptera) Přírodní rezervace Hejtmanka v roce 2009 bylo celkem zaznamenáno 680 druhů z 60 čeledí. Seznam zjištěných druhů vznikl na základě determinace 2430 exemplářů, 10 druhů bylo do seznamu zařazeno pouze na základě determinace požerků. Tři zaznamenané druhy spadají mezi ohrožené druhy dle vyhlášky č. 395/1992 Sb. – *Carabus scheidleri*, *Carabus ulrichii* (Carabidae) a *Oxythyrea funesta* (Scarabaeidae). Dalších 54 druhů je zařazeno do Červeného seznamu ohrožených druhů bezobratlých ČR (FARKAČ et al. 2005). Mezi kriticky ohrožené druhy patří *Anthaxia senicula senicula* (Buprestidae), *Hylis olexai* (Eucnemidae) a *Agnathus decoratus* (Pyrochroidae), mezi ohrožené *Carphacis striatus* (Staphylinidae), *Xantholinus tricolor* (Staphylinidae), *Chaetophora spinosa* (Byrrhidae), *Agrilus guerini* (Buprestidae), *Adrastus montanus* (Elateridae), *Eucnemis capucina* (Eucnemidae), *Pediacus depressus* (Cucujidae), *Mycetophagus decempunctatus decempunctatus* (Mycetophagidae), *Melandrya barbata* (Melandryidae), *Phytobaenus amabilis* (Aderidae), *Saperda punctata* (Cerambycidae), *Cryptocephalus pusillus*, *Gonioctena linnaeana linnaeana*, *Chaetocnema conducta*, *Oomorphus concolor* (Chrysomelidae) and *Ceutorhynchus pectoralis* (Curculionidae). Téměř ohroženými druhy jsou *Harpalus progreiens*, *Perileptus areolatus areolatus* (Carabidae), *Agrilus olivicolor* (Buprestidae), *Ampedus sanguinolentus* (Elateridae), *Platydemus violaceum* (Tenebrionidae), *Aromia moschata moschata*, *Leioderes kollari*, *Saperda similis*, *Rusticoclytus pantherinus* (Cerambycidae), *Enedreytes sepicola* (Anthribidae), *Acalles camelus*, *A. echinatus*, *A. fallax*, *Bradybatus fallax*, *Larinus sturnus*, *Plinthus sturmii*, *Trachodes hispidus* (Curculionidae). Mezi zranitelné druhy jsou zařazeny *Dyschirius nitidus nitidus* (Carabidae), *Abraeus granulum* (Histeridae), *Cyphea curtula*, *Thamiaraea cinnamomea* (Staphylinidae), *Onthophagus verticicornis* (Scarabaeidae), *Agrilus convexicollis*, *Lamprodila decipiens decipiens* (Buprestidae), *Denticollis rubens* (Elateridae), *Phosphaenus hemipterus* (Lampyridae), *Drilus concolor* (Drilidae), *Malthinus moravicus* (Cantharidae), *Rhizophagus aeneus* (Monotomidae), *Silvanoprus fagi* (Silvanidae), *Endomychus coccineus* (Endomychidae), *Colydium filiforme* (Zopheridae), *Triphyllus bicolor* (Mycetophagidae), *Poophagus sisymbrii* a *Scolytus multistriatus* (Curculionidae).

Acknowledgements. Thanks belongs to Václav Polášek, employee of the administration of Litovelské Pomoraví Protected Landscape Area, for his kind help with collection permits and fieldwork. I am obliged to all those who provided me identification of some groups of beetles. This paper was written in the framework of the research project NAZV 81136 and NAZV QH 91097.

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Fig. 1. Map of Hejtmanka Nature Reserve
Obr. 1. Mapa Přírodní rezervace Hejtmanka

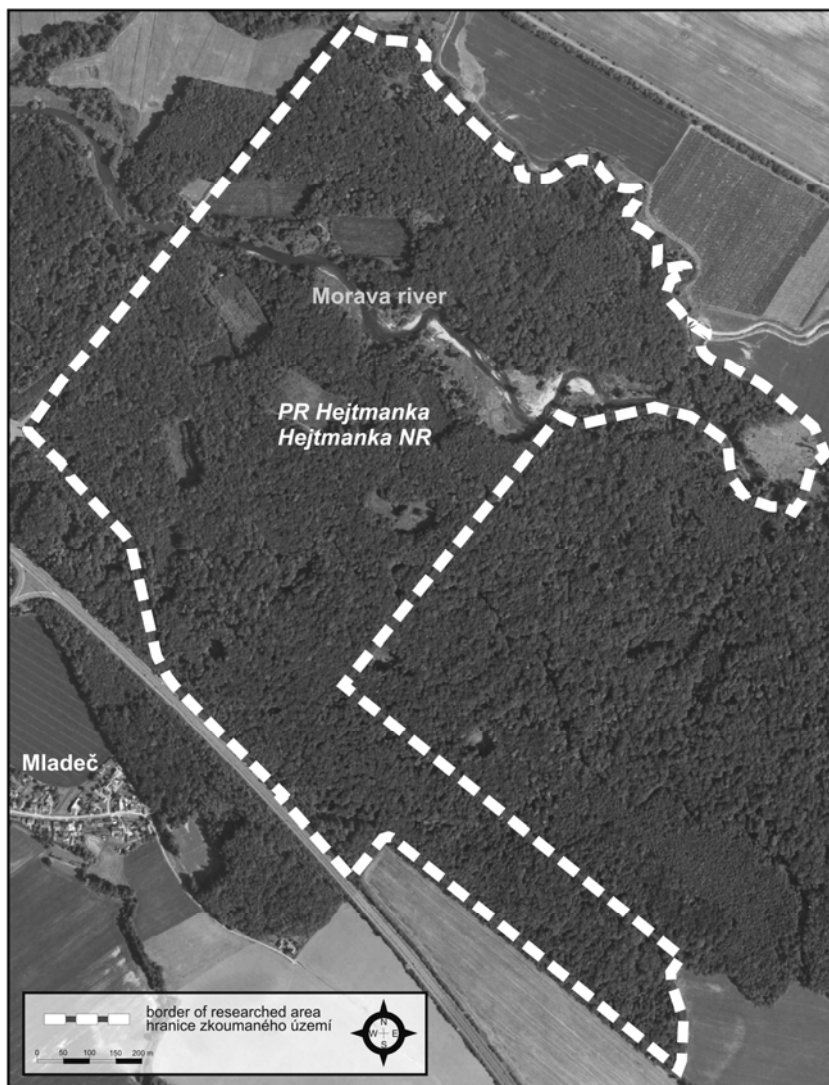


Fig. 2. The channel of Morava river with undisturbed river dynamics forms numerous different succession biotopes (photo author)

Obr. 2. Koryto Moravy s nenarušenou říční dynamikou, která vyvábí různá biotopová sukcesní stadia (foto autor)



Fig. 3. The channel of Morava river with drifted wood debris – occurrence habitat of *Agnathus decorates*, Pyrochroidae (photo author)

Obr. 3. Koryto Moravy s naplavenými dřevními zbytky – biotop, kde se vyskytuje *Agnathus decorates*, Pyrochroidae (foto autor)

