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Results of a faunistic survey of beetles (Coleoptera) in floodplain forests of the Litovelské Pomoraví Protected Landscape Area (Czech Republic, Northern Moravia) in 2006

Výsledky faunistického průzkumu brouků (Coleoptera) luhů CHKO Litovelské Pomoraví (Česká republika, severní Morava) provedeném v roce 2006

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Abstract. Altogether 307 species from 35 families were found during a survey of beetles (Coleoptera) in the Litovelské Pomoraví Protected Landscape Area in 2006. Four of them are protected by law in the Czech Republic (*Brachinus explodens* Duftschmid, *Calosoma inquisitor* (L.), *Carabus scheidleri scheidleri* Panzer, and *C. ullrichi ullrichi* Germar; all Carabidae) and additional 15 are included in the Red list of threatened species of the Czech Republic. The following interesting rare species were also recorded: *Leptura annularis* Fabricius, 1801 (Cerambycidae), and *Paratachys fulvicollis* (Dejean, 1831) (Carabidae).

INTRODUCTION

Numerous studies have focused on the flora and fauna of the Litovelské Pomoraví Protected Landscape Area (abbreviated as LP PLA) but beetles remain insufficiently documented, partly because a number of studies were only deposited as manuscripts at the administration of LP PLA but never formally published. Among the relatively well-studied groups of beetles are the Carabidae (Divoký 1989, Malohlava 1995, Blahoušek 1997, Tvardík 2000, Nakládal 2003, Dedek 2004, 2006), the family Silphidae and the subfamily Cholevinae of the family Leiodidae (Kočárek 1997, Růžička & Vávra 1993), the Cerambycidae (Černý 1999), and several families of aquatic beetles (Boukal 1995, 1997a, 1997b, 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 1978a,b, 1982, 2002a,b, Hornišer 2000, Řehounek 1997, Skalický 1987, Tuf 2001). This paper is based on an earlier unpublished survey of beetles in the southeastern part of LP PLA (Nakládal 2006).

MATERIAL AND METHODS

This study focused mainly on the families Carabidae and Staphylinidae but many others were studied too. Phytophagous beetles of the families Chrysomelidae and Curculionidae (except Scolytinae) were excluded. The aim of this survey was to record as many species as possible and hence various collecting methods were utilized, including individual sampling (especially in the riparian zone of the Morava river and aquatic habitats), beating of trees and bushes, sweeping, pitfall traps, 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. The pitfall traps (ethylenglycole was utilized to fix the specimens) were set on 18.v.–10.vi.2006 and 10.vi.–17.vii.2006 and visited on 7.iv., 28.iv., 6.v., 18.v., 19.v., 2.vi., 9.vi., 10.vi., 24.vi., 6.vii. and 17.vii.2006.

The nomenclature follows Hůrka (1996) for the Carabidae, Laibner (2000) for the Elateridae, Sláma (1998) for the Cerambycidae, Růžička & Schneider (2004) for the Silphidae, Löbl & Besuchet (2004) for the Staphylinidae: Pselaphinae, Löbl (2004) for the Staphylinidae: Scaphidiinae, Smetana (2004) for the remaining Staphylinidae, and Jelínek (1993) for the remaining families. The names of the families are listed in the same order as in Hůrka (2005) and species within each family are listed alphabetically.

All specimens were captured by the author and they are deposited in his private collection. The Staphylinidae were identified by Pavel Krásenský (Chomutov, Czech Republic), Mordellidae by Jan Horák (Prague, Czech Republic), Nitidulidae by Josef Jelínek (Prague, Czech Republic), and the remaining groups by the author.

Two abbreviations are used in the text: PFT – pitfall trap; NR – nature reserve.

CHARACTERISTICS OF THE AREA

The survey was made in a narrow, max. 2 km wide and approximately 10 km long zone of the Morava river floodplain between the towns of Horka nad Moravou and Litovel that forms the south-eastern part of LP PLA (Fig. 1). The studied territory is at altitudes of 220–230 m a.s.l. and covers three faunistics squares (6268, 6368, 6369), more precisely the smaller square areas 6268d, 6368b, 6369a (Pruner & Míka 1996). The following nature reserves are located in the studied area: Ramena řeky Moravy National Nature Reserve, Litovelské luhy Nature Reserve (Bahna forest, Dolní les forest and Na Rakousích forest), Kenický Nature Reserve, and Panenský les Nature Reserve.

Geographic coordinates (GPS) of individual localities are as follows: Bahna forest (6368b) – 49°41'44"N, 17°6'53"E; Dolní les forest (6268d) – 49°42'10"N, 17°6'31"E; Dolní les forest (6368b) – 49°41'56"N, 17°6'43"E; Hynkov env. (6369a) – 49°40'8"N, 17°11'14"E; Litovel (6368b) – 49°41'58"N, 17°6'20"E; Na Rakousích forest (6268d) – 49°42'7"N, 17°7'57"E; Na Rakousích forest (6368b) – 49°41'51"N, 17°7'58"E.

The majority of the floodplain area is covered mainly by hardwood forests (association Ficario-Ulmetum campestris). There are much fewer softwood trees and they line the banks of the Morava river. These habitats are represented by associations Fraxino-Populnetum and Salicetum albae. Only a small part of the studied area is covered by open habitats of the Caricion gracilis alliance. Other biotopes represent permanent and numerous periodic water bodies. The channel of the Morava river is undisturbed along its whole length of the studied area hence it forms 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).

RESULTS

Altogether 2,280 specimens representing 307 species from 35 families were collected during the study. They are all listed below.

Dytiscidae

Agabus bipustulatus (Linnaeus, 1767)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Agabus neglectus Erichson, 1837
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Dolní les forest (6268d), 2.vii.2006, 1 spec; Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 9 spec.

Agabus undulatus (Schrank, 1776)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

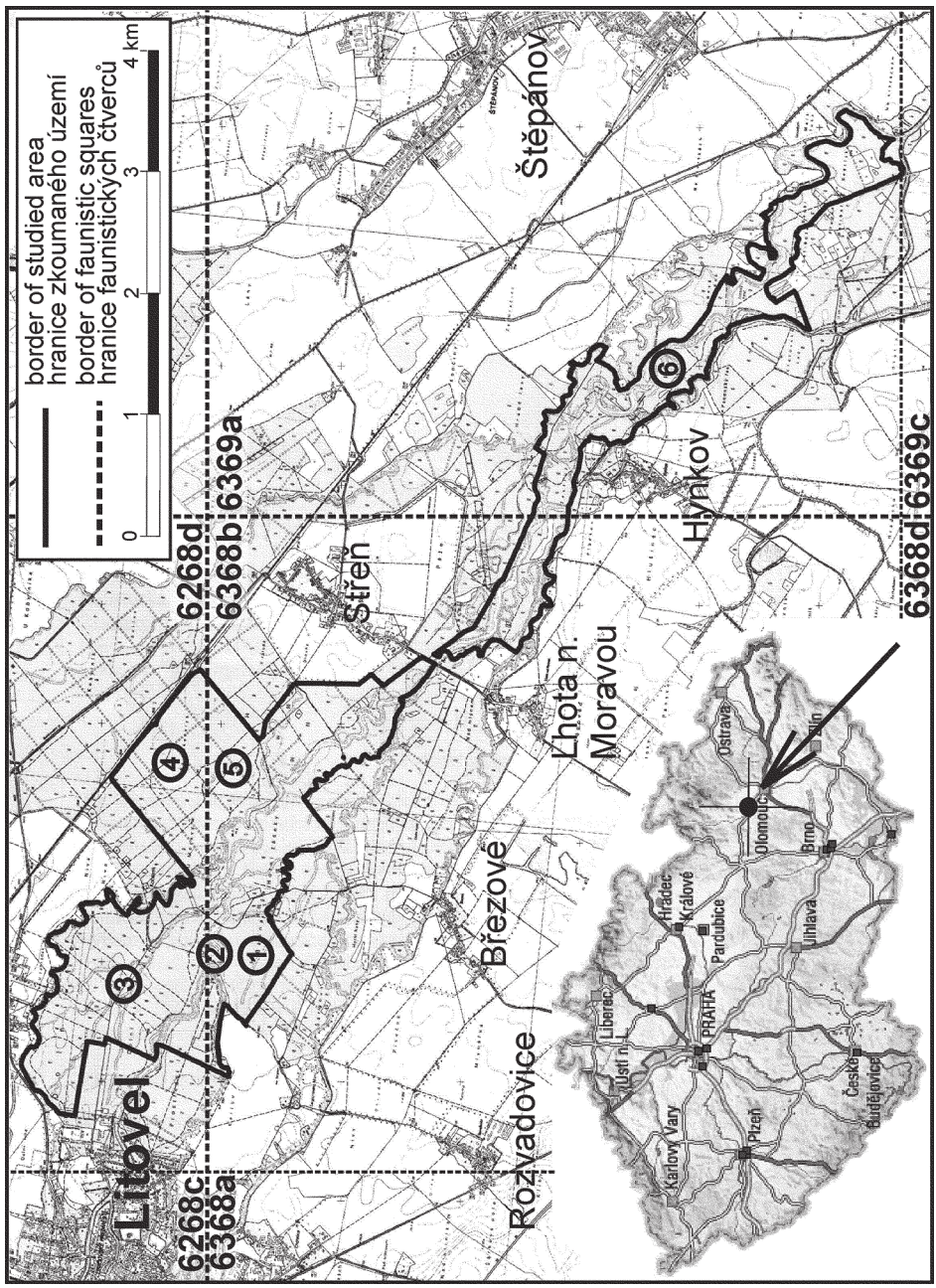


Fig. 1. Southeastern part of the Litovelské Pomoraví Protected Landscape Area: 1 – Bahna forest, 2-3 – Dolní les forest, 4-5 – Na Rakousích forest, 6 – Hynkov env.

Obr. 1. Jihovýchodní část CHKO Litovelské Pomoraví: 1 – Bahna, 2-3 – Dolní les, 4-5 – Na Rakousích, 6 – Hynkov env.

Colymbetes fuscus (Linnaeus, 1758)
Litovel env., Dolní les forest (6268d), 2.vii.2006, 2 spec.; Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Platambus maculatus (Linnaeus, 1758)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006, 2 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Carabidae

Abax carinatus (Duftschmid, 1812)
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 4 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Abax parallelepipedus (Piller et Mitterpacher, 1783)
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 2 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 5 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 5 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 31 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 9 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 41 spec.

Abax parallelus (Duftschmid, 1812)
Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 6 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 8 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 31 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 6 spec.

Acupalpus meridianus (Linnaeus, 1761)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Acupalpus parvulus (Sturm, 1825)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Agonum sexpunctatum (Linnaeus, 1758)
Litovel (6368b), 2.vi.2006, gravel bank, 1 spec.; some locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.

Amara aenea (De Geer, 1774)
Litovel (6368b), 10.vi.2006, 2 spec.; same locality, 10.vi.2006-17.vii.2006, 1 spec., PFT; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Dolní

les forest (6368b), 7.iv.2006, in flood debris, 20 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 1 spec.

Amara apricaria (Paykull, 1790)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Amara aulica (Panzer, 1797)
Litovel env., Dolní les forest (6268d), 19.v.2006, 1 spec.; Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Amara communis (Panzer, 1797)
Litovel env., Dolní les forest (6268d), 7.iv.2006, in flood debris, 8 spec.

Amara convexior Stephens, 1828
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Amara familiaris (Duftschmid, 1812)
Litovel env., Bahna forest (6368b), 9.vi.2006, 3 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 12 spec.

Amara gebleri Dejean, 1831
Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Amara lunicollis Schiödte, 1837
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Amara ovata (Fabricius, 1792)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; some locality, 6.vii.2006, 2 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 10 spec.

Amara plebeja (Gyllenhal, 1810)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Amara similata (Gyllenhal, 1810)
Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Amara tibialis (Paykull, 1798)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Anchomenus dorsalis (Pontoppidan, 1763)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Bahna forest (6368b), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 7 spec.

Anisodactylus binotatus (Fabricius, 1787)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 13 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 13 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 7 spec.

Anisodactylus signatus (Panzer, 1796)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Asaphidion flavipes (Linnaeus, 1761)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 2.vii.2006, gravel bank, 2 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 27 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 5 spec.

Badister lacertosus Sturm, 1815
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.

Badister sodalis (Duftschmid, 1812)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 6 spec.

Bembidion articulatum (Panzer, 1796)
Hynkov env. (6369a), 24.vi.2006, 4 spec.; Litovel (6368b), 10.vi.2006, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 8 spec.

Bembidion azurescens (Dalla Torre, 1877)
Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Bembidion biguttatum (Fabricius, 1779)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 9 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Bembidion decorum (Zenker in Panzer, 1801)
Hynkov env. (6369a), 24.vi.2006, 4 spec.; Litovel (6368b), 10.vi.2006, 3 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Bembidion dentellum (Thunberg, 1787)
Litovel (6368b), 10.vi.2006, 5 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 11 spec.

Bembidion femoratum Sturm, 1825
Litovel (6368b), 2.vii.2006, gravel bank, 6 spec.

Bembidion fluviatile Dejean, 1831
Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Bembidion guttula (Fabricius, 1792)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 30 spec.

Bembidion lampros (Herbst, 1784)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 20 spec.

Bembidion lunulatum (Foucroy, 1785)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Bembidion mannerheimii C. R. Sahlberg, 1827.
Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Bembidion modestum (Fabricius, 1801)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 10.vi.2006, 1 spec.

Bembidion properans (Stephens, 1828)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 26 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 2 spec.

Bembidion punctulatum punctulatum Drapeiz, 1820
Hynkov env. (6369a), 24.vi.2006, 7 spec.; Litovel (6368b), 10.vi.2006, 3 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Bembidion quadrimaculatum (Linnaeus, 1761)
Hynkov env. (6369a), 24.vi.2006, 7 spec.; Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006, 8 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 7 spec.

Bembidion semipunctatum (Donovan, 1806)
Hynkov env. (6369a), 24.vi.2006, 7 spec.; Litovel (6368b), 10.vi.2006, 6 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 59 spec.

Bembidion schuppeli Dejean, 1831
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 10.vi.2006, 2 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 12 spec.

Bembidion tetracolum tetracolum Say, 1823
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 29 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 19 spec.

Bradycellus caucasicus (Chaudoir, 1846)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Brachinus explodens Duftschmid, 1812
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Calosoma inquisitor (Linnaeus, 1758)
Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 2 spec.; same locality, 19.v.2006, 2 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006-10.vi.2006, PFT, 4 spec.

Carabus coriaceus Linnaeus, 1758
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 3 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 2 spec.

Carabus granulatus Linnaeus, 1758
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 118 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 221 spec.; Litovel env., Bahna forest (6368b), 10.vi.2006-17.vii.2006, PFT, 25 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 6 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Carabus scheidleri scheidleri Panzer, 1799
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 8 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 8 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 5 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 7 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Carabus ullrichi ullrichi Germar, 1824
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 12 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 15 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 51 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 26 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 63 spec.; same locality, 10.vi.2006-17.vii.2006, 17 spec.; Litovel env., Dolní les forest (6368b), 6.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 34 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 4 spec.

Clivina collaris (Herbst, 1784)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Clivina fossor (Linnaeus, 1758)
Litovel (6368b) 18.v.2006-10.vi.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Cychrus caraboides caraboides (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Demetrias atricapillus (Linnaeus, 1758)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Drypta dentata (Rossi, 1790)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Dyschirius globosus (Herbst, 1784)
Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 23 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.

Elaphropus diabrachys Kolenati, 1845
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 2.vii.2006, gravel bank, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.
Nakládal (2006) misidentified these specimens as *Elaphropus quadrisignatus* (Duftschmid, 1812).

Elaphrus aureus aureus Ph. Müller, 1821
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 2 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 20 spec.

Elaphrus cupreus Duftschmid, 1812
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Elaphrus riparius (Linnaeus, 1758)
Hynkov env. (6369a), 24.vi.2006, 5 spec.; Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006, 2 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 12 spec.

Europhilus fuliginosus (Panzer, 1809)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 8 spec.

Europhilus micans (Nicolai, 1822)
Litovel env., NR Dolní les, (6368b), 7.iv.2006, in flood debris, 3 spec; Litovel (6368b), 10.vi.2006, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 6 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 12 spec.

Harpalus tardus (Panzer, 1797)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 teneral spec. Nakládal (2006) misidentified it as *Harpalus autumnalis* (Duftschmid, 1812).

Harpalus latus (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 10.vi.2006-17.vii.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 11 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.

Harpalus progrediens Schauberger, 1922
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Chlaenius nigricornis (Fabricius, 1787)
Hynkov env. (6369a), 4.vi.2006, 1 spec.; Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Lebia chlorocephala (Hoffmann, Koch, P. Müller et Linz, 1803)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 5 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 1 spec.

Leistus piceus piceus Froelich, 1799
Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.

Loricera pilicornis (Fabricius, 1775)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 5 spec.

Notiophilus palustris (Duftschmid, 1812)
Litovel (6268d), 2.vii.2006, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Oodes helopioides (Fabricius, 1792)
Litovel (6368b), 28.iv.2006, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.

Oxypselaphus obscurus (Herbst, 1784)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 5 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 19 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 9 spec.

Paranchus albipes (Fabricius, 1796)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Paratachys bistriatus (Duftschmid, 1812)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Paratachys fulvicollis (Dejean, 1831)
Litovel env., Dolní les forest (6368b), 7.iv.2006, under the bark of a poplar tree (*Populus*) just after a flooding, 1 spec.

Patrobus atrorufus (Stroem, 1768)
Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 2 spec.

Perileptus areolatus (Creutzer, 1799)
Hynkov env. (6369a), 24.vi.2006, 5 spec.; Litovel (6368b), 10.vi.2006, 7 spec.

Platynus assimilis (Paykull, 1790)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 33 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 25 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 33 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 13 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 32 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 27 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 16 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.; same locality, 18.v.2006, 1 spec.

Poecilus cupreus (Linnaeus, 1758)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 7 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 63 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Poecilus versicolor (Sturm, 1824)
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Pseudoophonus rufipes (De Geer, 1774)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 130 spec.; Litovel env., Bahna forest (6368b), 10.vi.2006-17.vii.2006, PFT, 3 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 5 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Pterostichus anthracinus (Illiger, 1798)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 83 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 107 spec.; Litovel env., Bahna forest (6368b), 10.vi.2006, 1 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 9 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 3 spec.

Pterostichus melanarius (Illiger, 1798)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 5 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 23 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 16 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 20 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 56 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 219 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 41 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 16 spec.

Pterostichus niger niger (Schaller, 1783)
Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 16 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 2 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel

env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 2 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 8 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 2 spec.

Pterostichus oblongopunctatus (Fabricius, 1787)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 2 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 9 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 9 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 3 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 82 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 72 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 29 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 46 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Pterostichus ovoideus (Sturm, 1824)
Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Pterostichus strenuus (Panzer, 1797)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 5 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 9.vi.2006, 33 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Pterostichus vernalis (Panzer, 1796)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 7 spec.; same locality, 10.vi.2006, 2 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 18 spec.

Stomis pumicatus pumicatus (Panzer, 1796)
Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Syntomus foveatus (Fourcroy, 1785)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Syntomus obscuroguttatus (Duftschmid, 1812)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Syntomus truncatellus (Linnaeus, 1761)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Trechoblemus micros (Herbst, 1784)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Trechus quadristriatus (Schrank, 1781)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Histeridae

Hololepta plana (Sulzer, 1776)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 8 spec.

Leiodidae

Catops picipes (Fabricius, 1787)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Ptomaphagus sericatus (Chaudoir, 1845)
Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 9 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Sciodrepoides fumatus (Spence, 1813)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 2 spec.; same locality, 6.v.2006, on carrion, 4 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.

Sciodrepoides watsoni (Spence, 1813)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 1 spec.

Silphidae

Necrodes littoralis (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 1 spec.; same locality, 6.v.2006, on carrion, 1 spec.

Nicrophorus interruptus Stephens, 1830
Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Nicrophorus humator (Gleditsch, 1767)
Litovel (6268d), 28.iv.2006, on carrion, 1 spec.; Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 3 spec.; same locality, 6.v.2006, on carrion, 1 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 1 spec.

Nicrophorus vespillo (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 4 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 8 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.; same locality, 18.v.2006-10.

vi.2006, PFT, 14 spec.; same locality, 19.v.2006, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 23 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 5 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 63 spec.

Nicrophorus vespilloides Herbst, 1783
Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 2 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 3 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 4 spec.; same locality, 19.v.2006, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 15 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 88 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 26 spec.

Oiceoptoma thoracicum (Linnaeus, 1758)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 1 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 7 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 2 spec.; same locality, 19.v.2006, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 14 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, 6 spec., PFT; same locality, 10.vi.2006-17.vii.2006, PFT, 96 spec.

Phosphuga atrata (Linnaeus, 1758)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 3 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 22 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 21 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 87 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 32 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 186 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 6 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 15 spec.

Thanatophilus rugosus (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 1 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 6 spec.

Thanatophilus sinuatus (Fabricius, 1775)
Litovel (6368b), 2.vii.2006, in dead fish on gravel river bank, 1 spec., Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 1 spec.

Staphylinidae

Acrotona fungi (Gravenhorst, 1806)
Hynkov env. (6369a), 6.vii.2006, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 7 spec.

Aleochara brevipennis Gravenhorst, 1806
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Aleochara curtula (Goeze, 1777)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 2 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 3 spec.

Aleochara haemoptera Kraatz, 1856
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.

Aleochara ruficornis Gravenhorst, 1802
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Anotylus insecatus (Gravenhorst, 1806)
Litovel (6368b), 2.vii.2006, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Anotylus rugosus (Fabricius, 1775)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 164 spec.

Anotylus tetracarinatus (Block, 1799)
Hynkov env. (6369a), 6.vii.2006, 6 spec.

Anthophagus angusticollis (Mannerheim, 1830)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 7 spec.

Atheta laticollis (Stephens, 1832)
Litovel (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Bisnius fimetarius (Gravenhorst, 1802)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Bledius cribricollis Heer, 1839
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Coprophilus striatulus (Fabricius, 1793)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Cordalia obscura (Gravenhorst, 1802)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Creophilus maxillosus (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 3 spec.; same locality, 6.v.2006, on carrion, 1 spec.

Dasygnypeta velata (Erichson, 1837)
Litovel (6368b), 10.vi.2006, 1 spec.

Deinopsis erosa (Stephens, 1832)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Dianous coerulescens Gyllenhal, 1810
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Dinaraea aequata (Erichson, 1837)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Drusilla canaliculata (Fabricius, 1787)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 7 spec.

Ischnopoda leucopus (Marsham, 1802)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 10.vi.2006, 8 spec.; same locality, 2.vii.2006, gravel bank, 2 spec.

Ischnopoda umbratica (Erichson, 1837)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Lathrobium brunnipes (Fabricius, 1793)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 20 spec.

Lathrobium castaneipenne Kolenati, 1846
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Lathrobium fovulum Stephens, 1833
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 9 spec.

Lathrobium fulvipenne (Gravenhorst, 1806)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 8 spec.

Lathrobium geminum Kraatz, 1857
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 8 spec.

Lathrobium laevipenne Heer, 1839
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Lathrobium longulum Gravenhorst, 1802
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Megarthrus depressus (Paykull, 1789)
Litovel (6368b), 28.iv.2006, 2 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Micropeplus longipennis Kraatz, 1859
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Neobisnius prolixus (Erichson, 1840)
Litovel (6368b), 10.vi.2006, 1 spec.; same locality, 2.vii.2006, gravel bank, 1 spec.

Neobisnius villosulus (Stephens, 1833)
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.

Ocypus nitens nitens (Schrank, 1781)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Ocypus picipennis picipennis (Fabricius, 1793)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Ochthephilus omalinus (Erichson, 1840)
Litovel (6368b), 10.vi.2006, 1 spec.; same locality, 2.vii.2006, gravel bank, 2 spec.

Omalium caesum Gravenhorst, 1806
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Omalium rivulare (Paykull, 1789)
Litovel (6368b), 28.iv.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 4 spec.

Ontholestes tessellatus (Geoffroy, 1785)
Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 1 spec.

Oxypoda vittata Märkel, 1842
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 20 spec.

Oxytelus laqueatus (Marsham, 1802)
Hynkov env. (6369a), 6.vii.2006, 1 spec.

Paederus litoralis Gravenhorst, 1802
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 1 spec.

Paederus riparius (Linnaeus, 1758)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Paederus schoenherri Czwalina, 1889
Litovel (6368b), 28.iv.2006, 2 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Philonthus addendus Sharp, 1867
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 2 spec.; same locality, 6.v.2006, on carrion, 1 spec.

Philonthus atratus (Gravenhorst, 1802)
Litovel (6368b), 10.vi.2006, 2 spec.

Philonthus carbonarius (Gravenhorst, 1802)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Philonthus cognatus Stephens, 1832
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Philonthus decorus (Gravenhorst, 1802)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 20 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 56 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 52 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 77 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 19 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 159 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 199 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 8 spec.

Philonthus micans (Gravenhorst, 1802)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Philonthus quisquiliarius (Gyllenhall, 1810)
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Philonthus rubripennis Stephens, 1832
Litovel (6368b), 10.vi.2006, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 3 spec.

Philonthus tenuicornis Mulsant et Rey, 1853
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 1 spec.

Philonthus varians (Paykull, 1789)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Phleonomus minimus (Erichson, 1839)
Hynkov env. (6369a), 24.vi.2006; 1 spec.

Phyllodrepa floralis (Paykull, 1789)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Phyllodrepa ioptera (Stephens, 1834)
Litovel env., NR Na Rakousích (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Phyllodrepa melanocephala (Fabricius, 1787)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Phyllodrepa nigra (Gravenhorst, 1806)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 3 spec.

Platystethus alutaceus Thomson, 1861
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Quedius fuliginosus (Gravenhorst, 1802)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 8 spec.

Rugilus angustatus (Geoffroy, 1785)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Rugilus rufipes Germar, 1836
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 21 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 3 spec.

Rybaxis longicornis (Leach, 1817)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 10 spec.

Scaphidium quadrimaculatum Olivier, 1790
Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Sepedophilus marshami (Stephens, 1832)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 2 spec.

Staphylinus caesareus Cederhjelm, 1798
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 33 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 55 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 8 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 10 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 48 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 30 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 95 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 55 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Stenus biguttatus (Linnaeus, 1758)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Stenus bimaculatus Gyllenhall, 1810
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Stenus boops Ljungh, 1804
Litovel (6368b), 10.vi.2006, 3 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.

Stenus cicindeloides (Schaller, 1783)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Stenus clavicornis (Scopoli, 1763)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 12 spec.

Stenus comma LeConte, 1863
Litovel (6368b), 10.vi.2006, 1 spec.

Stenus juno (Paykull, 1789)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Stenus similis **(**Herbst, 1784)
Hynkov env. (6369a), 24.vi.2006, 2 spec.; Litovel (6368b), 28.iv.2006, 5 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 4 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 3 spec.

Tachinus marginellus (Fabricius, 1781)
Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 1 spec.

Tachinus rufipes (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006-17.vii.2006, PFT, 99 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 10 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 21 spec.; Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 153 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 10 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 188 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 333 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Tachyporus hypnorum (Fabricius, 1775)
Litovel (6368b), 28.iv.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 2 spec.

Tachyporus obtusus (Linnaeus, 1767)
Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 4 spec.

Tachyusa coarctata Erichson, 1837
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 28.iv.2006, 2 spec.; same locality, 10.vi.2006, 2 spec.; same locality, 2.vii.2006, gravel bank, 7 spec.

Tachyusa constricta Erichson, 1837
Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Thinodromus arcuatus (Stephens, 1834)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Zyras funestus (Gravenhorst, 1806)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Zyras humeralis (Gravenhorst, 1802)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Zyras laticollis (Märkel, 1845)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 2 spec.

Zyras lugens (Gravenhorst, 1802)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Lucanidae

Dorcus parallelipipedus (Linnaeus, 1785)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel env., Dolní les forest (6268d), 10.vi.2006-17.vii.2006, PFT, 2 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.

Platycerus caraboides (Linnaeus, 1785)
Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.

Trogidae

Trox sabulosus (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion 10 spec.; same locality, 6.v.2006, on carrion, 9 spec.; Litovel env., Dolní les forest (6268d), 18.v.2006-10.vi.2006, PFT, 1 spec.

Trox scaber (Linnaeus, 1767)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Geotrupidae

Anoplotrupes stercorosus (Scriba, 1791)
Litovel env., Bahna forest (6368b), 10.vi.2006-17.vii.2006, PFT, 3 spec.; Litovel env., Na Rakousích forest (6268d), 18.v.2006-10.vi.2006, PFT, 54 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 346 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 2 spec.; same locality, 18.v.2006-10.vi.2006, PFT, 8 spec.; same locality, 10.vi.2006-17.vii.2006, PFT, 81 spec.

Scarabaeidae

Aphodius depressus (Kugelann, 1792)
Litovel (6368b), 18.v.2006, 2 spec.

Aphodius fimetarius (Linnaeus, 1758)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Aphodius granarius (Linnaeus, 1767)
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 2 spec.

Aphodius prodromus (Brahm, 1790)
Litovel (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 18.v.2006, 1 spec.; Litovel env., Bahna forest (6368b), 6.v.2006, on carrion, 5 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 2 spec.; Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 5 spec.

Aphodius sticticus (Panzer, 1798)
Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.; Litovel env., Dolní les forest (6368b), 1 spec., in flood debris, 7.iv.2006.

Cetonia aurata (Linnaeus, 1761)
Hynkov env. (6369a), 6.v.2006, 1 spec.; Litovel (6368b), 18.v.2006, 1 spec.

Onthophagus coenobita (Herbst, 1783)
Litovel env., Bahna forest (6368b), 28.iv.2006, on carrion, 6 spec.; same locality, 6.v.2006, on carrion, 1 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 5 spec.

Valgus hemipterus (Linnaeus, 1758)
Litovel (6268d), 2006, 1 spec.

Scirtidae

Cyphon palustris C. G. Thomson, 1855
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.

Cyphon ruficeps Tournier, 1868
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Buprestidae

Anthaxia quadripunctata (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Trachys minutus (Linnaeus, 1758)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 3 spec.

Elateridae

Adrastus pallens (Fabricius, 1792)
Hynkov env. (6369a), 24.vi.2006, 1 spec.

Adrastus rachifer (Fourcroy, 1785)
Litovel (6268d), 2.vii.2006, 3 spec.

Athous bicolor (Goeze, 1777)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Ctenicera pectinicornis (Linnaeus, 1758)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 7 spec.

Denticollis linearis (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 18.v.2006-10.vi.2006, PFT, 1 spec.; same locality, 9.vi.2006, 5 spec.; Litovel env., Dolní les forest (6268d), 19.v.2006, 3 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 5 spec.

Hemicrepidius niger (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006, 5 spec; Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Kibunea minuta (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Melanotus crassicollis (Erichson, 1841)
Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Melanotus villosus (Fourcroy, 1785)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Negastrius pulchellus (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006, 1 spec.

Synaptus filiformis (Fabricius, 1781)
Litovel (6368b), 10.vi.2006, 7 spec.

Zorochrus minimus (Lacordaire, 1835)
Litovel (6368b): 10.vi.2006, 3 spec.; same locality, 2.vii.2006, gravel bank, 2 spec.

Lampyridae

Phosphaenus hemipterus (Goeze, 1777)
Hynkov env. (6369a), 24.vi.2006, 2 spec.

Anobiidae

Ptilinus fuscus (Geoffroy in Fourcroy, 1785)
Litovel (6368b), 2.vii.2006, on log in flood debris, 1 spec.

Ptinus rufipes Olivier, 1790
Litovel (6368b), 2.vii.2006, on log in flood debris, 1 spec.

Lymexylidae

Lymexylon navale (Linnaeus, 1758)
Hynkov env. (6369a), 24.vi.2006, 1 spec.

Melyridae

Axinotarsus marginalis (Laporte de Castelnau, 1840)
Litovel (6268d), 2.vii.2006, 1 spec.

Axinotarsus ruficollis (Olivier, 1790)
Litovel (6268d), 2.vii.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 5 spec.

Charopus graminicola (Dejean, 1833)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Malachius bipustulatus (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 9.vi.2006, 10 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 52 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 1 spec.

Kateretidae

Brachypterolus linariae (Stephens, 1830)
Litovel (6268d), 2.vii.2006, 1 spec.

Brachypterus urticae (Fabricius, 1792)
Hynkov env. (6369a): 10.vi.2006, 3 spec.; same locality, 24.vi.2006, 7 spec.; Litovel (6368b), 28.iv.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 14 spec.

Nitidulidae

Epuraea pallescens (Stephens, 1835)
Hynkov env. (6369a), 6.vii.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Epuraea unicolor (Olivier, 1790)
Litovel env., Bahna forest (6368b), 9.vi.2006, 6 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 4 spec.

Glischrochilus quadrisignatus (Say, 1835)
Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 3 spec.

Meligethes aeneus (Fabricius, 1775)
Hynkov env. (6369a), 24.vi.2006, 2 spec.; Litovel (6368b), 28.iv.2006, 13 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.

Meligethes brunnicornis Sturm, 1845
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Meligethes difficilis (Heer, 1841)
Litovel (6368b), 10.vi.2006, 1 spec.; same locality, 28.iv.2006, 18 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.; Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.

Meligethes haemorrhoidalis Förster, 1849
Litovel (6368b), 28.iv.2006, 4 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Meligethes morosus Erichson, 1845
Litovel (6368b), 28.iv.2006, 12 spec.; same locality, 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Meligethes symphyti (Heer, 1841)
Litovel (6268d), 2.vii.2006, 4 spec.

Meligethes viridescens Fabricius, 1787
Hynkov env. (6369a), 24.vi.2006, 4 spec.; Litovel (6368b), 28.iv.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 7 spec.

Omosita depressa (Linnaeus, 1758)
Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 1 spec.

Omosita discoidea (Fabricius, 1775)
Litovel env., Dolní les forest (6268d), 28.iv.2006, on carrion, 5 spec.

Soronia grisea (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 9.vi.2006, 14 spec.; Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Monotomidae

Rhizophagus bipustulatus (Fabricius, 1792)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Rhizophagus cribratus Gyllenhal, 1827
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Rhizophagus perforatus Erichson, 1845
Litovel env., Dolní les forest (6368b), 7.iv.2006, in flood debris, 1 spec.

Rhizophagus picipes (Olivier, 1790)
Litovel (6368b), 2.vii.2006, gravel bank, 2 spec.

Silvanidae

Psammoecus bipuncatatus (Fabricius, 1792)
Litovel (6368b), 28.iv.2006, 1 spec.

Silvanus bidentatus (Fabricius, 1792)
Hynkov env. (6369a), 24.vi.2006, 1 spec.

Erotylidae

Dacne bipustulata (Thunberg, 1781)
Litovel (6368b), 2.vii.2006, gravel bank, 2 spec.

Byturidae

Byturus ochraceus (Scriba, 1790)
Hynkov env. (6369a), 24.vi.2006, 2 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.; Litovel env., Na Rakousích forest (6368b), 6.v.2006, 1 spec.; same locality, 18.v.2006, 6 spec.

Byturus tomentosus (De Geer, 1774)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Cerylonidae

Cerylon histeroides (Fabricius, 1792)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 1 spec.

Coccinellidae

Adalia bipunctata (Linnaeus, 1758)
Hynkov env. (6369a), 24.vi.2006, 1 spec.

Coccinella septempunctata septempunctata Linnaeus, 1758
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.

Propylea quatuordecimpunctata (Linnaeus, 1758)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Tytthaspis sedecimpunctata (Linnaeus, 1758)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.

Mycetophagidae

Litargus connexus (Geoffroy, 1785)
Hynkov env. (6369a), 6.vii.2006, 1 spec.

Mycetophagus piceus (Fabricius, 1777)
Hynkov env. (6369a), 6.vii.2006, 1 spec.

Mycetophagus quadripustulatus (Linnaeus, 1761)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 4 spec.

Mordellidae

Mordella brachyura Mulsant, 1856
Litovel (6268d), 2.vii.2006, 3 spec.

Mordellistena humeralis (Linnaeus, 1758)
Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.

Mordellistena pumila (Gyllenhall, 1810)
Litovel (6268d), 2.vii.2006, 1 spec.

Mordellochroa abdominalis (Fabricius, 1775)
Litovel env., Bahna forest (6368b), 9.vi.2006, 7 spec.

Tomoxia bucephala (Costa, 1854)
Litovel (6268d), 19.v.2006, 1 spec.

Colydiidae

Bitoma crenata (Fabricius, 1775)
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.

Synchita humeralis (Fabricius, 1792)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Tenebrionidae

Lagria atripes Mulsant et Guillebeau, 1855
Litovel (6268d), 2.vii.2006, 1 spec.

Lagria hirta (Linnaeus, 1758)
Litovel (6268d), 2.vii.2006, 1 spec.

Palorus depressus (Fabricius, 1790)
Litovel env., Na Rakousích forest (6368b), 10.vi.2006, in a nest of *Lasius fuliginosus*, 5 spec.

Stenomax aeneus (Scopoli, 1763)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Oedemeridae

Oedemera virescens (Linnaeus, 1767)
Litovel (6268d), 2.vii.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.; Litovel env., Dolní les forest (6268d), 19.v.2006, 9 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 5 spec.

Pyrochroidae

Agnathus decoratus (Germar, 1818)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel (6368b), 2.vii.2006, gravel bank – on a log (*Populus* sp.) above the water level of the Morava river, 5 spec.

Pyrochroa coccinea (Linnaeus, 1761)
Litovel env., Dolní les forest (6268d), 19.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 3 spec.

Pyrochroa serraticornis (Scopoli, 1763)
Litovel (6368b), 10.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6368b), 18.v.2006, 2 spec.

Schizotus pectinicornis (Linnaeus, 1758)
Litovel env., Dolní les forest (6268d), 19.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 15 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Scraptidae

Anaspis frontalis (Linnaeus, 1758)
Litovel (6368b), 10.vi.2006, 1 spec.

Cerambycidae

Alosterna tabacicolor tabacicolor De Geer, 1775
Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Carilia virginea Linnaeus, 1758
Litovel env., Bahna forest (6368b), 9.vi.2006, 4 spec.

Glaphyra umbellatarum (Schreber, 1759)
Litovel env., Bahna forest (6368b), 9.vi.2006, 3 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Grammoptera ruficornis ruficornis (Fabricius, 1781)
Hynkov env. (6369a), 24.vi.2006, 1 spec.; Litovel env., Bahna forest (6368b), 9.vi.2006, 16 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 3 spec.

Leiopus nebulosus (Linnaeus, 1758)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Leptura aethiops Poda, 1761
Litovel env., Bahna forest (6368b), 9.vi.2006, 2 spec.; Litovel env., Dolní les forest (6268d), 19.v.2006, 1 spec.

Leptura annularis Fabricius, 1801
Litovel env., Bahna forest (6368b), 10.vi.2006, 1 spec.; same locality, 9.vi.2006, 1 spec.

Leptura quadrifasciata quadrifasciata Linnaeus, 1758
Litovel (6368b), 2.vii.2006, gravel bank, 1 spec.; Litovel env., Na Rakousích forest (6268d), 10.vi.2006-17.vii.2006, PFT, 1 spec.

Oberea linearis (Linnaeus, 1761)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Obrium brunneum (Fabricius, 1792)
Litovel env., Bahna forest (6368b), 9.vi.2006, 5 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Oplosia fennica fennica (Paykull, 1800)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 2 spec.

Pogonocherus hispidus (Linnaeus, 1758)
Litovel env., Dolní les forest (6268d), 19.v.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Rhagium mordax (De Geer, 1775)
Litovel (6368b), 28.iv.2006, 1 spec.

Stenocorus meridianus (Linnaeus, 1758)
Litovel env., Na Rakousích forest (6268d), 2.vii.2006, 1 spec.

Stenostola dubia (Laicharting, 1784)
Litovel env., Na Rakousích forest (6268d), 19.v.2006, 8 spec.

Stenurella melanura (Linnaeus, 1758)
Litovel (6268d), 2.vii.2006, 4 spec.

Anthribidae

Brachytarsus nebulosus Forster, 1770
Litovel (6368b), 10.vi.2006, 1 spec.; same locality, 28.iv.2006, 1 spec.; Litovel env., Na Rakousích forest (6268d), 19.v.2006, 1 spec.

Enedreytes sepicola (Fabricius, 1792)
Litovel env., Bahna forest (6368b), 9.vi.2006, 1 spec.

Curculionidae: Scolytinae

Hylesinus crenatus (Fabricius, 1787)
Litovel (6268d), v.2006, observ. larvae in galleries.

Leperisinus fraxini (Panzer, 1779)
Litovel env., Na Rakousích forest (6268d), v.2006, observ. galleries.

Scolytus scolytus (Fabricius, 1787)
Hynkov env. (6369a), 2006, observ. galleries.

Scolytus pygmaeus (Fabricius, 1775)
Hynkov env. (6369a), 2006, observ. galleries.

Curculionidae: Platypodinae

Platypus cylindrus (Fabricius, 1792)
Hynkov env. (6369a), 6.vii.2006, 2 spec.

DISCUSSION

The survey recorded 307 species from 35 families in the southeastern part of the Litovelské Pomoraví Protected Landscape Area. Four of the recorded species are protected by law in the Czech Republic: *Brachinus explodens*, *Calosoma inquisitor*, *Carabus scheidleri scheidleri*, and *C. ullrichi ullrichi* (all Carabidae). All of them belong to the category of the threatened species. Fifteen more species are also included in the Red list, including the critically endangered *Agnathus decoratus* (Pyrochroidae), *Negastrius pulchellus* (Elateridae) and *Micropeplus longipennis* (Staphylinidae), the vulnerable *Bembidion modestum* (Carabidae), *Ochthephilus omalinus* (Staphylinidae), *Melanotus crassicollis* (Elateridae), *Phosphaenus hemipterus* (Lampyridae), *Lymexylon navale* (Lymexylidae), *Rhizophagus cribratus* (Monotomidae), *Scolytus*

scolytus and *S. pygmaeus* (both Curculionidae: Scolytinae), and the near threatened *Adrastus rachifer* (Elateridae), *Bembidion fluviatile* (Carabidae), *Enedreytes sepicola* (Anthribidae) and *Palorus depressus* (Tenebrionidae).

Other rare species found during the survey were *Harpalus progrediens* (Carabidae), *Hylesinus crenatus* (Curculionidae: Scolytinae), *Leptura annularis* (Cerambycidae), *Paratachys fulvicollis* (Carabidae), and *Tachyusa constricta* (Staphylinidae).

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SOUHRN

Během průzkumu provedeného v CHKO Litovelské Pomoraví v roce 2006 bylo zaznamenáno 307 druhů brouků ze 35 čeledí. Čtyři zaznamenané druhy patří mezi chráněné druhy dle přílohy č. III vyhlášky MŽP č. 395/1992 Sb., a sice *Brachinus explodens* Duftschmid, *Calosoma inquisitor* (L.), *Carabus scheidleri scheidleri* Panzer a *C. ullrichi ullrichi* Germar (vše Carabidae), přičemž všechny čtyři druhy patří do kategorie druhů ohrožených.

Dále bylo zaznamenáno 15 druhů uváděných v Červeném seznamu ohrožených druhů České republiky – Bezobratlí (Farkač et al. 2005). Těmito jsou kriticky ohrožené druhy *Agnathus decoratus* (Germar) (Pyrochroidae), *Negastrius pulchellus* (L.) (Elateridae) a M*icropeplus longipennis* Kraatz (Micropeplidae); zranitelné druhy *Bembidion modestum* (Fabricius) (Carabidae), *Ochthephilus omalinus* (Erichson) (Staphylinidae), *Melanotus crassicollis* (Erichson) (Elateridae), *Phosphaenus hemipterus* (Goeze) (Lampyridae), *Lymexylon navale* (L.) (Lymexylidae), *Rhizophagus cribratus* Gyllenhal (Monotomidae), *Scolytus scolytus* (Fabricius) a *S. pygmaeus* (Fabricius) (Scolytidae) a téměř ohrožené druhy *Adrastus rachifer* (Fourcroy) (Elateridae), *Bembidion fluviatile* Dejean (Carabidae), *Enedreytes sepicola* (Fabricius) (Anthribidae) a *Palorus depressus* (Fabricius) (Tenebrionidae).

Kromě toho byl zaznamenán výskyt některých dalších vzácných druhů jako jsou *Harpalus progrediens* Schauberger (Carabidae), *Hylesinus crenatus* (Fabricius) (Curculionidae: Scolytinae), *Leptura annularis* Fabricius (Cerambycidae), *Paratachys fulvicollis* (Dejean) (Carabidae) a *Tachyusa constricta* (Erichson) (Staphylinidae).