

**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 explorens* 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, Nakládál 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, Horčíčko 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 This paper is based on an earlier unpublished survey of beetles in the southeastern part of LP PLA (Nakládál 2006).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