

Poselský rybník pond – a new site with the occurrence of *Vertigo moulinsiana* (Gastropoda: Vertiginidae) in Northern Bohemia (Czech Republic)

Poselský rybník – nová lokalita výskytu *Vertigo moulinsiana* (Gastropoda: Vertiginidae) v severních Čechách

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Abstract. Large population of endangered snail *Vertigo moulinsiana* (Dupuy, 1849) was found in swamps on the western bank of the Poselský rybník pond (Northern Bohemia, Czech Republic) in 2006.

Key words: Czech Republic, faunistics, Mollusca, Northern Bohemia, Poselský rybník pond, Vertiginidae, *Vertigo moulinsiana*.

INTRODUCTION

Vertigo moulinsiana (Dupuy, 1849) is considered to be an Atlantic-Mediterranean species (Pokryszko 2003) which mainly inhabits calcareous, lowland wetlands (Cameron et al. 2003). In contrast to most other species of the genus *Vertigo*, it prefers especially permanent wet sites. *V. moulinsiana* is regarded as globally threatened (Pokryszko 2003) and also in the Czech Republic is classified as critically endangered species (Beran et al. 2005). In Bohemia this species was found for the first time in extensive wetlands along brooks Liběchovka and Pšovka in the Kokořínsko Protected Landscape Area (Central and Northern Bohemia) by Beran (1995) and recently more than 60 sites with its occurrence have been documented from this area (Beran 1998, 2006a). In 2003–2005 *Vertigo moulinsiana* was found in Northern Bohemia in 11 new sites (Beran 2006b) which some of them are situated nearby sites mentioned below.

NEW RECORDS

Vertigo moulinsiana was found in 8. August 2006 in Northern Bohemia in wetlands around the Poselský rybník pond which is situated south of the Máchovo jezero pond and town Doksy. The Poselský rybník pond is elongated (in south-north direction) and shallow pond with extensive bordering swamps. Name of the nearest settlement is Obora, code of the mapping field for faunistic grid mapping (Pruner & Míka 1996) is 5454 and altitude 274 m. Particular sites are listed below. Presented data are as follows – geographical coordinates, description of the site, habitat, number of individuals:

- 1 – 50°33'18" N, 14°40'05" E, swamp on the northern end of the Poselský rybník pond around the camp and the dam, sedge marshes, 5 specimens;
- 2 – 50°33'09" N, 14°40'05" E, alder (*Alnus glutinosa*) carrs on the western border of the Poselský rybník pond near the road, with *Carex* sp. and *Glyceria maxima*, 8 specimens;
- 3 – 50°32'59" N, 14°40'09" E, swamp on the western border of the Poselský rybník pond near of the inflow of the Zbýnská strouha canal on the northern end of village Obora, *Glyceria maxima* swamp and sedge marshes, 20 specimens;
- 4 – 50°32'42" N, 14°40'24" E, swamp on the southern end of the Poselský rybník pond, floating *Glyceria maxima* swamp, 6 specimens;
- 5 – 50°32'39" N, 14°40'27" E, swamp on the south-eastern end of village Obora, reeds with *Glyceria maxima*, 6 specimens;

6 – 50°32'32" N, 14°40'31" E, banks of the small brook (an inflow of the Poselský rybník pond) near the road Bělá pod Bezdězem – Doksy to the north of the Velká Pateřinka pond, sedge marshes, 2 specimens;

7 – 50°32'30" N, 14°40'34" E, swamp among the small brook (an inflow of the Poselský rybník pond), the road Bělá pod Bezdězem – Doksy and forest to the north of the Velká Pateřinka pond, sedge marshes, 2 specimens;

8 – 50°32'32" N, 14°40'37" E, sedge marshes among the peat-bog, forest and reeds to the north of the Velká Pateřinka pond, 7 specimens.

Occurrence of *Vertigo moulinsiana* were located only at sites along the western bank of the Poselský rybník pond where extensive population inhabits mostly sedge marshes, *Glyceria maxima* swamps, reed swamps (with *Carex* spp.) and alder carrs (also with *Carex* spp.). In extensive wetlands along the eastern bank of this pond, occurrence of *V. moulinsiana* have not been documented yet probably due to their different character. Wetlands along the eastern bank of the Poselský rybník pond are more acidophilous and also peat bogs occur there so that these habitats are not suitable for *V. moulinsiana*.

This new site was proposed to be included in the list of pSCI and protected by law.

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SOUHRN

V roce 2006 byly v mokřadech (rákosiny s ostřicí, zblochanové a ostřicové mokřady, mokřadní olšiny) podél západního břehu Poselského rybníka v severních Čechách nalezeny rozsáhlé populace ohroženého a evropsky významného mokřadního plže vrkoče bažinného (*Vertigo moulinsiana*). Tyto nálezy doplňují dosud známé rozšíření druhu v Čechách v mokřadech podél Liběchovky a Pšovky v CHKO Kokořínsko (Beran 1995, 1998, 2006a), podél říčky Bělé a jejích přítoků u Bělé pod Bezdězem a v povodí Ploučnice (Beran 2006b), z nichž nejbližší známou lokalitou je Dokeská zátoka Máchova jezera. Nález je tak významný, že území Poselského a přilehlého Mariánského rybníka bylo navrženo k ochraně jako evropsky významná lokalita pro tento druh.