

C 3842/64. 2000.



Acta Soc. Zool. Bohem. 64: 1-2, 2000
ISSN 1211-376X

First record of *Corbicula fluminea* (Mollusca: Bivalvia) in the Czech Republic

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02313/02

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Received November 15, 1999; accepted December 3, 1999
Published April 7, 2000

Abstract. A non-native species of aquatic molluscs, bivalve *Corbicula fluminea* (O. F. Müller, 1774), was found in the Czech Republic in 1999. The species is native to eastern and south-eastern Asia. Altogether 8 specimens were found at 4 localities of the Elbe River in North Bohemia.

Distribution, Mollusca, Bivalvia, *Corbicula fluminea*, Czech Republic

INTRODUCTION

The clam *Corbicula fluminea* (O. F. Müller, 1774) from the family Corbiculidae is native to eastern and south-eastern parts of Asia (Žadin 1952). The species was introduced by ships to the Europe from North America in about 1980 (Glöer & Meier-Brook 1994). In Europe it is recently recorded from the Iberian peninsula and France (Araujo et al. 1993), in Germany from the rivers Rhein, Neckar and Main (Glöer & Meier-Brook 1994). The nearest so far known locality is the Elbe River near Magdeburg (Grabow & Martens 1995).

RESULTS

The first two specimens were identified by the author in the sample from the Elbe River in Hřensko (North Bohemia, Czech-German boundary, code of mapping square 5151¹⁾, September 3, 1999, lgt. Stuchlík). Additional specimens were collected by the author on November 7, 1999 in the Elbe River at five localities between Czech-German boundary and Ústí nad Labem (Hřensko, code of mapping square 5151, 2 specimens; Dolní Žleb, 5151, 2 specimens; Děčín, 5151, part of one shell; Povrly, 5350, 1 specimen; coll. L. Beran; Ústí nad Labem, 5350, 1 specimen, all coll. L. Beran). Except for the locality Povrly, where living individual was detected in the main river stream (in sandy sediment, about 60 cm under water level), only shells or death individuals were found on river bank or in water in shallow places. The species seems to be very rare in all so far known localities. Mentioned part of the Elbe River is about 35 km long and absent of any weir or other barrier. Only finding from Ústí nad Labem originated from downstream of the Střekov Weir. Population of *Corbicula fluminea* in the Elbe River will be studied in the future.

¹⁾ For details see Buchar (1982)

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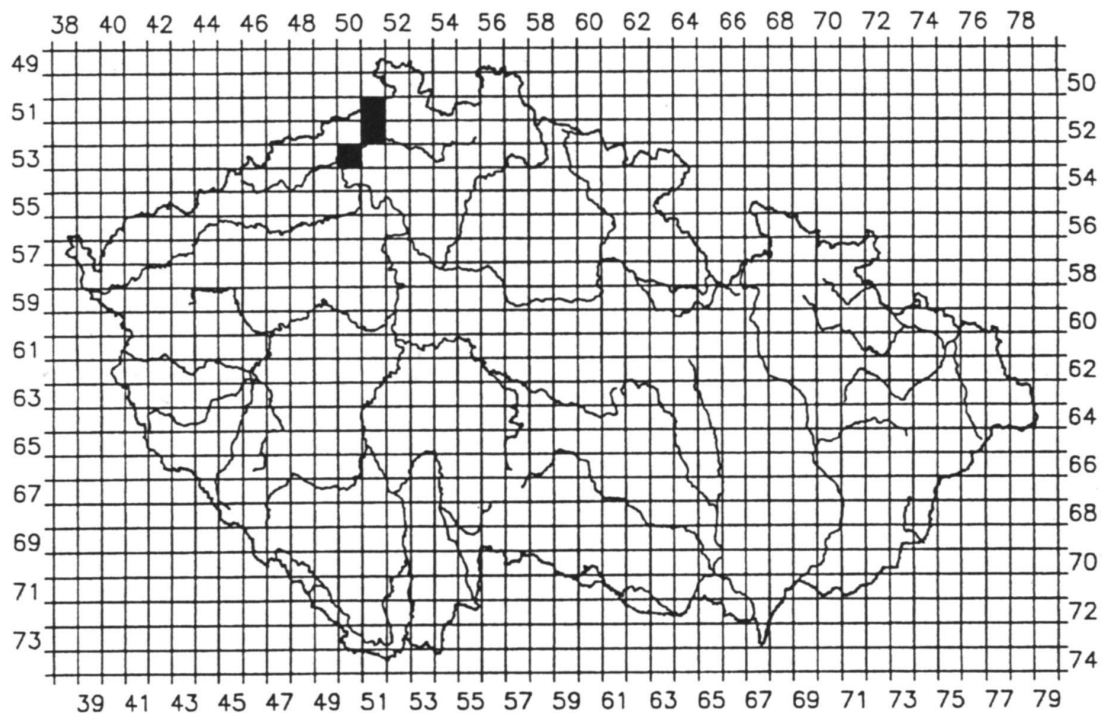


Fig. 1. Known distribution of *Corbicula fluminea* (O. F. Müller) in the Czech Republic.

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