THE FIRST RECORD OF ALIEN SPECIES *LIMNODRILUS MAUMEENSIS* BRINKHURST ET COOK, 1966 (OLIGOCHAETA, TUBIFICIDAE) FROM RUSSIA

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Received February 18, 2021; revised April 23, 2021; accepted August 18, 2021

Abstract: Nearctic species *Limnodrilus maumeensis* Brinkhurst et Cook, 1966 (Oligochaeta, Tubificidae) recorded from Russia for the first time from the Don River near Rostov-on-Don. Variations of penis sheath of sexually mature specimens are measured and illustrated by photographs. Data on macrozoobenthos community in the sampling site are provided, including species composition, number and biomass of the species.

Key words: Oligochaeta; alien species; *Limnodrilus*; Don River; penis sheath; variations

DOI: 10.35885/1996-1499-2021-14-3-65-66

Introduction

Nearctic species *Limnodrilus maumeensis* Brinkhurst et Cook, 1966 (Oligochaeta, Tubificidae) has never been recorded from Russia before. In the native part of the species range it is common and widespread to the east of Mississippi River, mainly in Great Lakes Basin in the United States and Canada [Brinkhurst, 1986; Brinkhurst and Jamieson, 1971; Hiltunen, 1969; Kathman and Brinkhurst, 1998; Krieger and Stearns, 2010; Milligan, 1997; Stimpson et al., 1982 etc.]. In the secondary invasive part of the range in Eurasia this species was recorded from Great Britain [Milligan, 1997], but this record is doubtful according to van Haaren and Soors [2013], the Netherlands [van Haaren, 2002; van Haaren and Soors, 2013] and South Korea [Lee and Jung, 2016].

According to Kathman and Brinkhurst [1998] and Stimpson et al. [1982] *L. maumeensis* inhabits organically polluted waters.

Materials and Methods

This study is based on sample of macrozoobenthos collected in Russia, Rostov-on-Don, the Don River, 34.5 km (40.208711N, 39.697302E) upstream of the mouth, in August, 15 2015 by E.V. Parfyonova.

Macrozoobenthos was sampled with a Petersen grab (capture area - 0.025 m²; two liftings of sediments). All collected materials were filtered through a sieve with a mesh size of 200×200 μm and preserved in 4% formaldehyde. Fresh weight of specimens was determined after removal of surface moisture (drying on a filter paper until wet spots disappeared), using a WT-100 torsion balance (weighing accuracy - 0.1 mg).

This is an excerpt of the article “The First Record Of Alien Species *Limnodrilus maumeensis* Brinkhurst et Cook, 1966 (Oligochaeta, Tubificidae) From Russia”. Full text of the paper is published in Russian Journal of Biological Invasions. DOI: 10.31857/ S207511172104XXXYYY

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