



<http://dx.doi.org/10.11646/zootaxa.3709.6.8>

<http://zoobank.org/urn:lsid:zoobank.org:pub:906EA3E3-2A2C-4EE3-9D1E-300F2D90809E>

## A new species of *Lappodiamesa* Serra-Tosio (Diptera: Chironomidae: Diamesinae) from the Russian Far East, with a key to known species of the genus

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### Abstract

The male, pupa, and larva of a new species, *Lappodiamesa omelkoi*, from the Russian Far East are described and figured. Keys to males, pupae, and fourth-instar larvae of known species of the genus are presented.

**Key words:** Diptera, Chironomidae, *Lappodiamesa*, new species, key, Russian Far East

### Introduction

The genus *Lappodiamesa* Serra-Tosio, 1968 includes one Nearctic species *L. boltoni* Sæther *et* Willassen and three Palaearctic species *L. multisetata* Makarchenko, *L. vidua* (Kieffer) and *L. willasseni* Makarchenko *et* Kerkis (Serra-Tosio 1968; Makarchenko 1983, 1995; Sæther & Willassen 1988; Makarchenko & Kerkis 1991; Ashe & O'Connor 2009). For all these species the adult male, pupa, and larva are known.

Below we describe the adult male, pupa, and larva of *Lappodiamesa omelkoi* sp. n. The species is known only from unnamed stream of Mountain-Taiga Station of the Far Eastern Branch Russian Academy of Sciences, which is situated in the southern part of the Russian Far East. Keys to adult males, pupae, and fourth-instar larvae of the known species of the genus are provided.

### Material and methods

The terminology follows that of Sæther (1980). The material was fixed in 70% ethanol and later mounted on slides, following the procedure outlined by Makarchenko (1985).

The holotype and paratypes of the new species are deposited in the Institute of Biology and Soil Sciences, Far East Branch of the Russian Academy of Sciences, Vladivostok, Russia (IBSS FEB RAS).

### *Lappodiamesa omelkoi* Makarchenko *et* Makarchenko, sp. n.

(Figs. 1–19)

**Material.** Holotype: male, reared from pupa. RUSSIA. Unnamed stream (N 4341'675", E 13209'293"), Mountain-Taiga Station of the Far Eastern Branch Russian Academy of Sciences, Gornotaezhnoe Village, Ussuryisky Region, Primorye Territory, 6.V. 2013, leg. E. Makarchenko & T. Tiunova. Paratypes: 1 male reared from pupae, 2 larvae, same data as holotype except 28.IV. 2013, leg. E. Makarchenko; 1 mature pupa, same data as holotype except 23.V. 2012, leg. E. Makarchenko & M. Makarchenko; 2 larvae, 1 male reared from pupa, 3 mature pupae, 1 pupa reared from larva, 1 pupal exuviae, 1 mature larva, same data as holotype except 6.V. 2013, leg. E. Makarchenko & T. Tiunova.