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Abstract

The geographic distribution of *Elachistocleis bicolor* (Anura: Microhylidae) extends over several biomes in Argentina, Bolivia, Paraguay, Peru, Uruguay and Brazil. In Brazil, this species was reported to occur in the States of Amazonas, Distrito Federal, Goiás, Mato Grosso do Sul, Paraná, Rio Grande do Sul, Santa Catarina and São Paulo. The current study reports the first record of *E. bicolor* for the state of Rondônia, Brazil, extending its distribution in 350 km eastwards from closest records in Beni, Bolivia and 715 km southwestwards from closest records in Amazonas.

Index terms—**1 Introduction**

The frog *Elachistocleis bicolor* Guérin Méneville, 1838 (Figure ??) belongs to the Microhylidae family (Lavilla et al. 2003; Rodrigues et al. 2003). The taxonomy of the species from the genus *Elachistocleis* are controversial and have undergone several changes (Lavilla et al. 2003; Thomé and Brasileiro 2007). Lavilla et al. (2003) remove *E. bicolor* from synonymy with *E. ovalis* Schneider 1799, which is widely distributed in South America (Frost 2009). The occurrence of *E. ovalis* in syntopy with other congeneric species of the genus and also taxonomically problematic can lead to unreliable identifications (Kwet and Di Bernardo 1998; Lavilla et al. 2003). According to De La Riva et al. 2000, considerable confusion took place in the past regarding the identity of *E. bicolor* vs. *E. ovalis*, whose main external difference is the ventral coloration (see Frost 1985). Today most authors apply the name *E. bicolor* to the frogs with an immaculate venter (De La Riva et al. 2000).

The geographic distribution of this specie extends over several biomes, including Amazonia, In this work we report the first record of *E. bicolor* for the state of Rondônia, in southwestern Brazil, in a transitional region between the Cerrado and the Amazonian forest biomes. One male and three female of *E. bicolor* were collected at the municipality of Porto Velho, state of Rondônia, in an area of forested land on a private farm (08°43'09" S, 63°51'64" W), on 13 February 2009 by DBH. Specimens were identified according to De La Riva et al. ??1996, ??2000), Frost (2009), and Rodrigues et al. (2003).

These new records extend the geographic distribution of *E. bicolor* about 350 km eastwards from closest records in Beni, Bolivia (10°58'59.98" S, 66°06'00" W) and 715 km southwestwards from closest records in Amazonas, Brazil (03°18'15" S, 60°37'03" W) (Figure ??). Voucher specimens were deposited in the anuran



Figure 1:



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Figure 2: Figure 1 :Figure 2 :

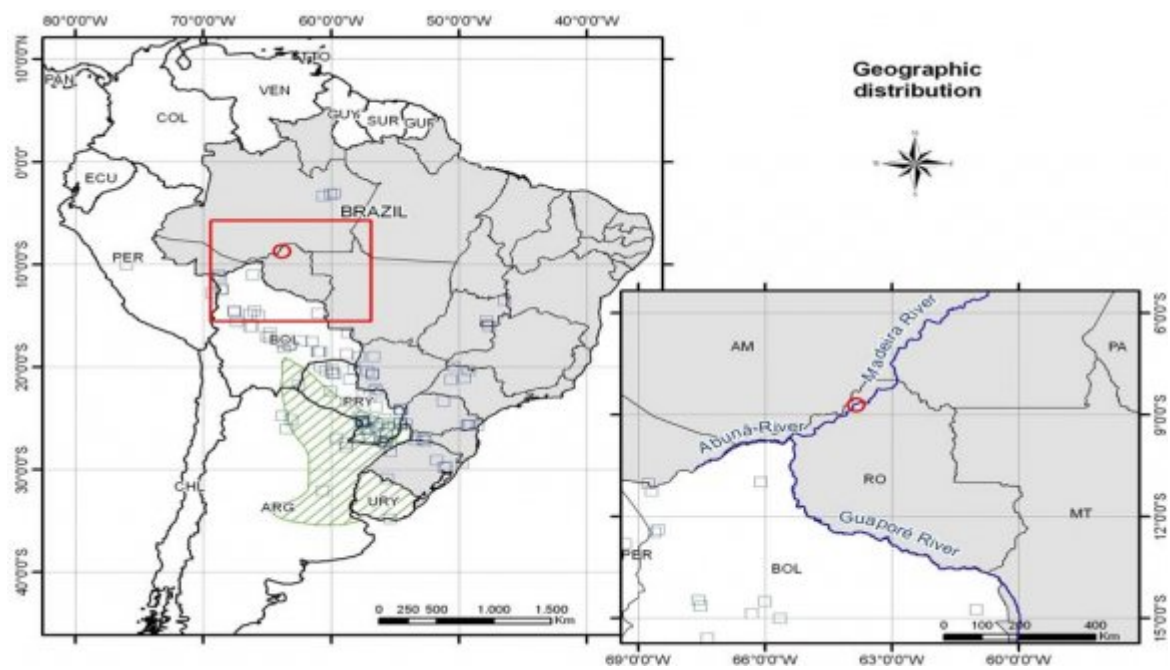


Figure 3:

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