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New state record and distribution map of *Rhinella cerradensis* (Anura, Bufonidae) in the Cerrado biome, Brazil

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Abstract. We provide new data on the distribution of *Rhinella cerradensis*, a medium to large sized toad with a wide distribution in the Cerrado biome. We found *Rhinella cerradensis* in state of Mato Grosso west-central Brazil, and present an updated distribution map of this species as well as a discussion of its current range.

Keywords. *Rhinella cerradensis*, Cerrado, Bufonidae, Mato Grosso, distribution.

The *Rhinella marina* species group is composed of 10 toad species (*Rhinella achavali*, *R. arenarum*, *R. cerradensis*, *R. ictericus*, *R. jimi*, *R. marina*, *R. poeppigii*, *R. rubescens*, *R. schneideri,* and *R. veredas*) occurring in Brazil with exception of *R. poeppigii* known from Bolivia, Ecuador and Peru (Maciel et al., 2007; Frost, 2009). Described recently, *R. cerradensis* Maciel, Brandão, Campos & Sebben, 2007 (Fig. 1) is a medium to large sized species with a wide distribution in the *Cerrado* biome, in Brazilian states of Piauí, Bahia, Goiás, Minas Gerais, Mato Grosso do Sul, and in Distrito Federal (Maciel et al., 2007; Maciel, 2009). It is characterized by its medium to large body size, absence of tibial glands, well developed cranial crests, short hands, sexually dimorphic coloration and absence of a spiracle tube in the tadpole (Maciel et al., 2007).

On 24 August 2009, during a fieldwork at municipality of Itiquira, state of Mato Grosso, west-central Brazil, we found at *ca*. 19:30 h, after a heavy rainfall, a couple of *R. cerradensis* in amplexus (Fig. 2) at the margin of a temporary pond in a *Cerrado* physiognomy (lat -17.213236; lon -54.015342, 640 m above sea level), like observed data of Maciel et al. (2007), which mentioned that adults were always found in open Cerrado physiognomies (Cerrado and Campo Sujo; see Ribeiro & Walter 2001 for an account of the Cerrado physiognomies). Males of *Eupemphix nattereri, Rhinella mirandaribeiroi, Rhinella schneideri,* and *Scinax fuscovarius* were recorded calling in the the same pond.

Figure 1. *Rhinella cerradensiss* (MZUSP 142012, male) from municipality of Itiquira, state of Mato Grosso, Brazil. Photo by D. J. Santana.

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Figure 2. *Rhinella cerradensis* couple in amplexus from municipality of Itiquira, state of Mato Grosso, Brazil. Photo by T. G. dos Santos.

The present note provides the first record for *Rhinella cerradensis* in the state of Mato Grosso, Brazil, extending its known distribution ca. 100 km northwest from municipality of Mineiros, state of Goiás (Maciel et al., 2007) (Fig. 3). Voucher specimens were housed in the herpetological collection of the *Museu de Zoologia, Universidade de São Paulo* (MZUSP), municipality of São Paulo, state of São Paulo, Brazil (MZUSP 142011-142012).

According to its description, *R. cerradensis* also occurs in the state of Minas Gerais, Brazil (Maciel et al., 2007). However, there are no voucher specimens for any locality in Minas Gerais (Maciel et al., 2007). One of the authors who described the species confirmed that there was a mistake at the time of description of *R. cerradensis* and that actually there is no current species record from Minas Gerais (N.M. Maciel, pers. comm).

Rhinella cerradensis is considered as a rare species in areas where it was recorded (Maciel et al., 2007). Its conservation status is reported as Data Deficient, since very little information on its ecological requirements is known (Maciel, 2008). The present record provides an important contribution to the knowledge of geographic distribution of *Rhinella cerradensis*.

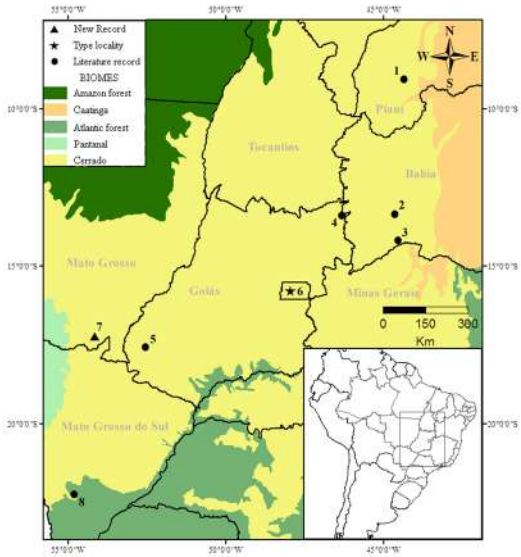

Figure 3. Geographic distribution map of *Rhinella cerradensis*: state of Piauí: (1) Uruçui-Una (lat -9.070549; lon -44.357266); state of Bahia: (2) Cocos (lat -12.722220; lon -44.564579), (3) Correntina (lat -13.340368; lon -44.643030); state of Goiás: (4) São Domingos (lat -13.394660; lon -46.326475), (5) Mineiros (lat -17.578652; lon -52.542390); Federal district: (6) Brasília (type locality) (lat -15.780148; lon -47.929170); state of Mato Grosso: (7) Itiquira (new record) (lat -17.213236; lon -54.015342); state of Mato Grosso do Sul: (8) Dourados (lat -22.221816; lon -54.806415). Coordinates are given of the municipalities.

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