

## NOTES ON GEOGRAPHIC DISTRIBUTION

### **Amphibia, Anura, Hylidae, *Dendropsophus rubicundulus*: Distribution extension.**

Bruno Barcellos Annunziata  
Wolney Mateus Fontenele  
Irismar Siqueira Castro  
Rodrigo Fernandes Gurgel  
Kely Araújo do Nascimento

*Departamento de Biologia, Universidade Estadual do Piauí. Avenida Nossa Senhora de Fátima s/n°. CEP 64202-220. Parnaíba, PI, Brazil. E-mail: barcellos.ba@gmail.com*

*Dendropsophus rubicundulus* (Reinhardt & Lütken, 1862) is a small tree frog (SVL: males 18.0 to 23.4 mm; females 21.6 to 25.1 mm) characterized by the following combination of traits: dorsum consistently green in life and pink to violet in preservative, with two divergent brown stripes from anterior section of head to sacral region, and two sacral stripes of same color and orientation extending to cloacal region; a thin brown dorsolateral stripe bordered by a thin light stripe from posterior corner of orbit to near groin; and head as long as wide, its width contained about 3.3 times in snout-vent length (Napoli and Caramaschi 1999).

According Napoli and Caramaschi (1999), it is widely distributed in Brazil, mainly in the Cerrado Domain (Ab'Saber 1977), in the states of Minas Gerais, Goiás, Bahia, and southwestern Piauí, municipality of Uruçuí. We did not mention neither the IUCN (2006) nor Frost (2007) distributions because both are not updated (M. F. Napoli, personal communication).

The knowledge about amphibians in the state of Piauí is still incipient; the few studies conducted had basically taxonomic approaches (Caramaschi and Jim 1983a; Caramaschi and Jim 1983b) and only one survey of the anuran fauna was conducted at Estação Ecológica de Uruçuí-Una, in the municipality of Uruçuí (Zaher 2001). Recently, we carried out a field study at the north region of the state. During the field work at Parque Nacional de Sete Cidades (04°06'28" S, 41°42'04" W), which comprises the municipalities of Piracuruca (03°55'40" S, 41°42'32" W) and

Brasileira (04°07'51" S, 41°46'55" W), between 10 and 13 May 2007, ca. 21:00 h, we collected four males of *Dendropsophus rubicundulus* (Figure 1) (SVL: 18.5 to 21.9 mm), in a chorus of about 15 to 20 males, calling on the marginal vegetation at temporary ponds, along with specimens of *Physalaemus cuvieri*, *Leptodactylus pustulatus*, and *Scinax x-signatus*. Specimens were deposited in the Herpetological Collection of the Universidade Estadual do Piauí (UESPI) (UESPI 0059, 0066, 0071, 0076).

This new record for the state of Piauí extends the distribution of *D. rubicundulus* ca. 300 km northeastern straight-line from the previous records at the municipality of Uruçuí.



**Figure 1.** Adult male of *Dendropsophus rubicundulus* (UESPI 0059; SVL: 21.9 mm) from the Parque Nacional de Sete Cidades, state of Piauí, Brazil.

## NOTES ON GEOGRAPHIC DISTRIBUTION

### Acknowledgments

We are grateful to Marcelo F. Napoli (UFBA) for identifying the species, Luciana B. Nascimento (PUCMinas), Paula C. Eterovick (PUCMinas), Itamar Martins (UNITAU), and Marcelo F. Napoli (UFBA), for the criticisms on the manuscript. We are also grateful to the Pesquisas Ecológicas de Longa Duração (PELD) – Site 10 for the logistical support, and to Marcia Alencar (IBAMA-PNSC) for collection license (11197-1).

### Literature cited

- Ab'Sáber, A. N. 1977. Os domínios morfoclimáticos da América do Sul: primeira aproximação. *Geomorfologia* 52: 1-23.
- Caramaschi, U. and J. Jim. 1983a. A new microhylid frog, genus *Elachistocleis* (Amphibia, Anura) from northeastern Brazil. *Herpetologica* 39(4): 390-394.
- Caramaschi, U. and J. Jim. 1983b. Uma nova espécie de *Hyla* do grupo marmorata do nordeste brasileiro (Amphibia, Anura, Hylidae). *Revista Brasileira de Biologia* 43: 195.
- Frost, D. R. 2007. Amphibian Species of the World: An online reference. Version 5.0. Electronic Database accessible at <http://research.amnh.org/herpetology/amphibia/index.html>. American Museum of Natural History, New York, USA. Captured on 14 May 2007.
- IUCN, Conservation International and NatureServe. 2006. Global Amphibian Assessment. Electronic database at <http://www.globalamphibians.org>. Captured on 14 May 2007.
- Napoli, F. M. and U. Caramaschi. 1999. Geographic variation of *Hyla rubicundula* and *Hyla anataliasiasi*, with the description of a new species (Anura, Hylidae). *Alytes* 16(3-4): 165-189.
- Zaher, H. 2001. Diversidade de vertebrados terrestres da Estação Ecológica de Uruçuí-Una, Piauí: Relatório Final. São Paulo: Universidade de São Paulo, 110 p.

Received June 2007

Accepted August 2007

Published online August 2007