

## NOTES ON GEOGRAPHIC DISTRIBUTION

### **Amphibia, Anura, Bufonidae, *Melanophryniscus dorsalis*: Distribution extension in the State of Rio Grande do Sul, Brazil.**

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The genus *Melanophryniscus* Gallardo, 1961 has currently 20 recognized species (Frost 2006; Di Bernardo et al. 2006) and its distribution is restricted to South America (17° and 38° S) in the central and northern region of Argentina, Paraguay, Uruguay, southern Bolivia, and southern Brazil (from Rio Grande do Sul to Minas Gerais) between 0 and 2,400 m of altitude (IUCN 2006).

The occurrence of *Melanophryniscus dorsalis* is known for a narrow strip of land on the northern coast of the State of Rio Grande do Sul (RS) and on the southern coast of the State of Santa Catarina (SC) (Cruz and Caramaschi 2003; Garcia and Vinciprova 2003), from 0 to 20 m of altitude (IUCN 2006). Several researchers have been calling attention to the conservation status of this species, which is classified as vulnerable in RS (Fontana et al. 2003), as well in the rest of Brazil (MMA 2003; Garcia 2004).

There are two reasons that sustain the argument that is under risk of extinction. First, there is scarce information regarding its occurrence in RS (Garcia and Vinciprova 2003), as the latest records for this species in northern beaches of the state (Atlântida, Cidreira, Torres and Tramandaí) are more than 25 years old (Braun and Braun 1980). Fortunately, however, some individuals

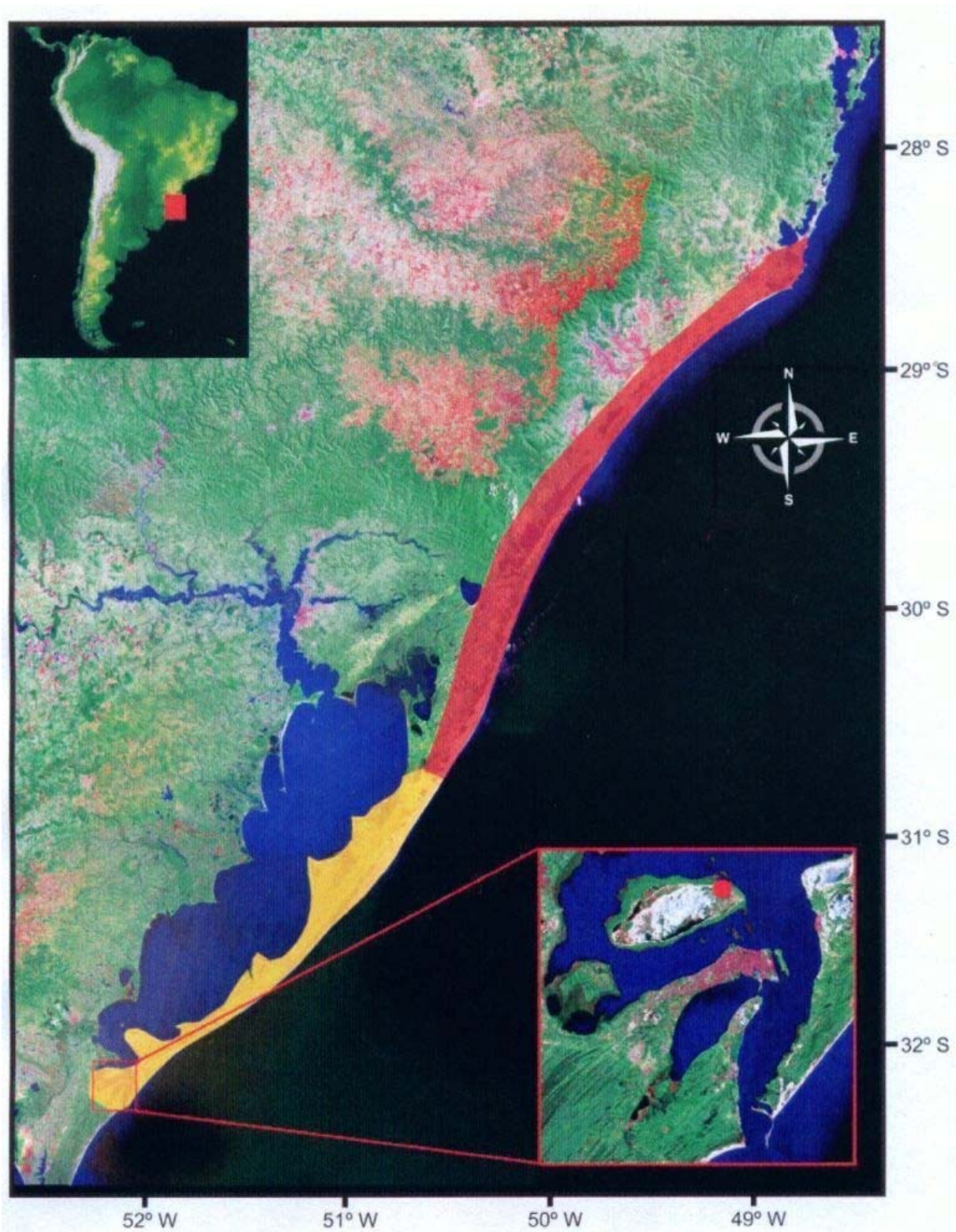
were collected in 2002 (Kwet et al. 2005), and this has led to the re-discovery of this species in RS. Second, the species has a very restricted and fragmented distribution (Garcia and Vinciprova 2003; Silvano and Segalla 2005), with a total area of less than 20,000 km<sup>2</sup> and an occupation area of less than 2,000 km<sup>2</sup> (Garcia 2004). The present study records the occurrence of *M. dorsalis* on a continental island in the estuarine region of Patos Lagoon, thus enlarging the distribution range of this species and suggesting a new view on its current conservation status.

We collected one individual of *M. dorsalis* (Figure 1) (SVL = 22 mm) at 22:00 h, on December 8<sup>th</sup>, 2006, on Marinheiros Island (31°58'–32°02' S, 52°05'–52°12' W: Datum WGS 84), Patos Lagoon estuary, municipality of Rio Grande, RS (Figure 2).



**Figure 1.** Specimen of *Melanophryniscus dorsalis* collected in the city of Rio Grande, State of Rio Grande do Sul. A) lateral view; B) ventral view. Photo: F. M. Quintela

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**Figure 2.** Geographical distribution of *Melanophryniscus dorsalis* according to Garcia and Vinciprova (2003) (red area); new distribution proposed in the present study (yellow area), and Marinheiros Island showing where the species was found (detail).

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The island has a perimeter of approximately 27 km and its closest point to the continent is only 1.6 km away. Its coastal area is mainly used for agricultural activities, whereas its central region is less impacted by anthropogenic activities and is comprised of extensive sand dunes, lakes and fields. The sample collection was authorized by the Brazilian Institute of Renewable Natural Resources (Process number 240/06). The collected individual was found in an open wild field near cultivations and a bamboo grove. We deposited the specimen at the herpetological collection of the Museu de Ciências Naturais da Fundação Zoobotânica do Rio Grande do Sul under the number MCN 13,915. Aside from being the first record of *M. dorsalis* in this region, our current record set a new austral boundary for the species and stretches its distribution by approximately 285 km.

### Acknowledgments

We are grateful to Ana Catarina de Oliveira, Cleber Palma Silva, Renato Zacarias, Josiane Alves, Guilherme Medvedowsky, Sr. José Maria, Giovanni Vinciprova, and Márcio Borges Martins for their help during the various stages of this study.

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Received January 2007

Accepted April 2007

Published online May 2007