# Spatial distribution of anuran assemblages from Caxiuanã, Brazil: Testing the riverine barrier hypothesis and the influence of life-history traits

**Matthew Coates**

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University of Salford, Salford, UK
School of Environment and Life Sciences

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Declaration

I declare the, with the exception of any statements to the contrary, the contents of this thesis are my own work, that the data presented herein has been obtained by experimentation and that no part of the report has been copied from previous thesis', book, manuscripts, research papers or the internet.

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## Abstract

Knowledge of community composition is essential for the understanding of biodiversity and forming effective conservation plans. In the Amazon basin, the spatial structure of animal communities has often been explained by the riverine barrier hypothesis, which assumes that large rivers act as main ecological drivers of diversification. However, life-histories, functional traits and environmental factors other than rivers have also been shown to affect the distribution of species in the Amazon. Typically, the riverine barrier hypothesis focuses on large Amazonian rivers and little research has been conducted on small geographical scales. Through the analysis of an available dataset compiled by numerous researchers over 20 years on anuran assemblages along the Caxiuanã River in Para, Brazil, differences in local assemblage composition were investigated to test the riverine barrier effect. After accounting for sampling bias, the present work shows that anuran composition varies throughout the studied assemblages in Caxiuanã, and that life-histories and functional traits of species likely play a larger role in small-scale diversification than the Caxiuanã River does as a barrier. These results demonstrate that assemblage diversification can occur at a relatively small geographical scale as influenced by differences in life-histories by species adapted to given areas. Future research should not overlook the importance and potential of ecological differences on small scales. In-depth understanding of factors that influence spatial distribution of species will lead to effective conservation plans.

# 1.0.Introduction

## 1.1.Species richness and biodiversity

Researchers have used a variety of methods to estimate the total number of animal species on Earth. Past estimates of global species ranged from 1.4 to 1.8 million (Southwood, 1982; Stork 1988), with some predications estimating medians of between 2.5 million to 3.7 million tropical arthropod species alone (Hamilton et al., 2010). One of the most recent and popularly cited estimations is by Mora et al. (2011), who predicted that there are an estimated 8.7 million (± 1.3 million) eukaryotic species globally, 2.2 million (± 0.18 million) of which are marine. However, other estimations place the total marine species between 0.7 to 1.0 million (Appeltans et al., 2012). A recent review of the literature on global species richness classed the species total as 5 ± 3 million, 1.5 million of which are already named, with the remaining species a combination of those to be described and to be discovered (Costello, May & Stork, 2013). Understanding the extent of earth's species richness will provide a practical metric for distinguishing habitats and tracking progress in exploring global biodiversity, paving the way for studies to investigate populations, genetics, and biochemical diversity in greater detail (Costello, May & Stork, 2013).

Both terrestrial and aquatic tropical ecosystems are characterised by high levels of floral and faunal diversity (Myers et al., 2000; Brown, 2014). Commonly, the characterisation of tropical areas is those that are located between the latitudinal boundaries relating to direct solar exposure 23.4° north and south of the equator (regions of Cancer and Capricorn, respectively, accounting for 36% of the earth's surface, Stroud & Feeley, 2017). Of the 25 global biodiversity hotspots, 16 occur in the tropics, and 15 are represented by tropical forests (Myers et al., 2000). The need for more tropical research has been emphasised since the early 1960s (Richards, 1963), due to a distinct difference in species richness and diversity in tropical zones compared to temperate zones (Clarke et al., 2017; Stroud & Feeley, 2017). There is a bias for studies in temperate ecosystems, particularly favouring America and north-western Europe (Clarke et al., 2017). The five countries with the highest richness of endemic plant and animal species with important functional traits (Ecuador, Costa Rica, Panama, the Dominican Republic, and Papua New Guinea) account for only 1.6% of publications on the topic (Wilson et al., 2016).

## 1.2.Assemblage composition and species distribution

Understanding the distribution of species is essential to understanding biodiversity (Halffter, 1995), community ecology (Weiher & Keddy, 2001) and in producing effective conservation plans (Silvano & Segalla, 2005). However, a characteristic feature of species is that they are not uniformly distributed. Therefore, abundances of the same species can differ between similar habitats, and factors found to have a positive influence on the distribution of one species cannot be extrapolated to similar species (Menin, Waldez & Lima, 2008; Jorge et al., 2016). The distribution of species also changes temporally, determined by the species ability to adapt and its resilience to changes in environmental conditions (Smith & Smith, 2012). Scientists have long been intrigued by which variables have the most impact in structuring community composition.

In this research, the term 'assemblages' will be used for communities (species located at a given place and time) in which species are taxonomically related (Fauth et al., 1996). Predictions have been made on what factors likely play an important role in the structuring of assemblages and their distribution. Abiotic environmental factors can directly affect the distribution of a species through physiological constraints (Eterovick, 2003; Werner et al., 2007), while edaphic factors indirectly affect the composition of assemblages by restricting plant species than can survive in the area, and thus animal species (Rojas-Ahumada et al., 2012). A combination of biotic, abiotic and functional trait factors has often been favoured for the explanation of assemblage composition (such as the availability of food, space, light, or water; e.g. Menin et al., 2007) and the life-history of species (Keddy, 1992, McGill, 2006).

Although species with similar environmental requirements will not co-exist due to overlapping niches and competition for similar resources, it can be assumed that similar assemblages likely inhabit similar habitats (e.g. Keller et al., 2009). Another rule assumes that the environment will act as a filter and remove any species that do not have the characteristics that allow them to persist and survive in that location (Weiher & Keddy, 2001; Sobral & Cianciaruso, 2012). Other hypotheses include that communities result from short-term ecological interactions and/or long-term evolutionary processes that operate at different timescales, affecting the number and identity of co-occurring species (Ricklefs, 2004). A further line of research focuses on the importance of functional traits and their role

in ecosystem functioning and community composition (Laureto, Cianciaruso & Samia, 2015). Functional traits are the characteristics of an organism considered to be relevant to the environment or to ecosystem functioning, and the value and range of these traits among organisms in the ecosystem is known as functional diversity (Diaz & Cabido, 2001). Knowledge of these traits among an assemblage may lead to a greater understanding of factors that are key to the assemblage of communities.

Understanding the dynamics of species distribution and community structure allows for the mapping of their geographical range and will greatly improve conservation efforts for those species. Examining common factors for species that are declining may allow us to predict whether they are at further risk in the future. If the same factors cause declines at multiple sites, then the surviving species should share traits to promote persistence, while vulnerable species should share traits that make them more susceptible to decline (Lips, Reeve & Witters, 2003). However, it is important to note that most of the data for the world's biota have been obtained with different methods and are often not directly comparable (Heyer et al., 2014; Rojas-Ahumada & Menin, 2010).

### 1.3.Riverine barriers

Many hypotheses have been proposed to understand the extremely high biodiversity witnessed in the Amazon rainforest. Alfred R. Wallace (1852) first proposed that rivers can affect the structure and distribution of regional species assemblages, most significantly the formation of the Amazon River network which caused vicariance among Amazonian species (Ribas et al., 2012). The riverine barrier hypothesis has focused primarily on large rivers, such as the Amazon (Hayes & Sewlal, 2004; Ribas et al., 2012; Kaefer et al., 2013), Madeira (Kaefer et al., 2013; Dias-Terceiro et al., 2015), and Tapajos River (Moraes et al., 2016), while there is little evidence of smaller rivers also exhibiting a barrier effect. The multiple taxa within the Amazon have shown to be affected by the riverine barrier effect include plants (Collevatti et al., 2009; Nazareno, Dick, Lohmann, 2017), insects (Hall & Harvey, 2002), birds (Bates et al., 2004; Hayes & Sewlal, 2004; Fernandes et al., 2012, 2013, 2014), primates (Boubli et al., 2015; Link et al., 2015), and amphibians (Lougheed et al., 1999; Funk et al., 2007; Fouquet et al., 2014, 2015; Moraes et al., 2016).

The riverine barrier hypothesis has three main criteria: (1) reciprocally monophyletic populations will occur on opposite river banks (Funk et al., 2007; Ribas et al., 2011; Boubli et al., 2015; Santorelli, Magnusson & Deus, 2018), (2) species composition similarity will be greater in localities on the same bank than sites on opposite banks separated by the same distance (Ron, 2000; Hayes & Sewlal, 2004; Santorelli, Magnusson & Deus, 2018), and (3) the species distribution boundaries will coincide with large rivers (Ron, 2000; Hayes & Sewlal, 2004; Ribas et al., 2011; Boubli et al., 2015; Santorelli, Magnusson & Deus, 2018). Certain characteristics of rivers affect populations in different ways. Larger rivers have been found to restrict gene flow and dispersal leading to the isolation of populations on opposite river banks and areas of endemism (Hayes & Sewlal, 2004; Dias-Terceiro et al., 2015), while smaller rivers have been known to affect populations on local scale, potentially restricting distribution within the area (Hayes & Sewlal, 2004). Meandering rivers may offer greater opportunities for gene flow, while rivers with a fast current could act as stronger barriers restricting distribution (Bates et al., 2004). Furthermore, the magnitude the riverine barrier effect has on a species is influenced by specific life-history traits (Fouquet et al., 2014, 2015; Moraes et al., 2016). Therefore, it is difficult to apply a set of rules regarding the effect of riverine barriers in the Amazon (Dias-Terceiro et al., 2015), as the individual hydromorphological dynamics such as water flow, width and sediments vary through time and exert unequal influence on the evolutionary history of the biota in the respecting areas (Gascon et al., 2000; Bates et al., 2004; Moraes et al., 2016). In addition, the vast range of functional traits among such a large number of taxonomic groups in the Amazon increases the difficulty in trying to propose a general set of rules for riverine barrier effects.

### 1.4.The Amazon rainforest

Amazonian forests have been an important part of earth's ecosystem functioning since the Cretaceous period (Maslin et al., 2005). Tropical rainforests prevailed in South America during the Eocene epoch (56-34 myr ago; Burnham & Johnson, 2004), although their prevalence might have begun already during the Palaeocene (66-60 myr ago; Morley, 2000). Extant rainforests are restricted between the regions of Cancer and Capricorn (between ca. 23.4°S and 23.4°N; Stroud & Feeley, 2017) at areas that have an annual rainfall of 1800 mm

or greater. Dry seasons, where monthly rainfall can be as little as 100 mm, can last a few months. Temperatures throughout the year vary between 18°C and 28°C (Burnham & Johnson, 2004). Spread across nine South American countries, mostly dominated by Brazil, the Amazon rainforest is the world's largest continuous tract of forest and contains the largest river system (Charity et al., 2016). The term Amazon can be ambiguous in relation to the actual range of this biome. Herein, the term Amazon/Amazonia (unless stated otherwise) will refer to the Amazon basin as shown in Figure. 1.


Figure 1. Boundaries of the Amazon region. The green line represents the Amazon basin, and the blue line represents Amazon biome. Base map sourced from Google maps; Ranges adapted from Charity et al. (2016).

Tropical evergreen forest is the most dominant vegetation type in the Amazon, accounting for 80% of the area and nearly half of the world's undisturbed tropical evergreen forest (Melillo et al., 1996), followed by agricultural landscapes (6.8%), savanna (4%), Varzeá and Igapó forests (3.9%) and deciduous forest (1.4%, Charity et al., 2016). The Amazon River is the largest river in the Amazon basin and splits into 13 major tributaries. The freshwater systems include widespread riparian and non-riparian zones. Riparian zones are defined as the area around the margins of water bodies susceptible to flooding (Gregory et al., 1991). Riparian forests are key to facilitating the provision of key ecosystem services such as the

prevention of soil erosion, the maintenance of water flows and water quality, and the conservation of biodiversity and ecological connectivity (Lees & Peres 2008; Castello et al. 2013).

Varzeá (whitewater) forests are characterised as nutrient-rich eutrophic alluvial soils with a high pH due to the large amounts of sediments brought down from the Andes into the water, resulting in a cream coloured appearance. Igapó (blackwater) environments have no suspended sediment and contain humic matter such as tannins, phenolics and other related compounds which leach in the water producing a distinct dark and transparent composition (Vital & Stattegger, 2000; Kricher, 2011). Both forest types are subject to permanent or periodic inundation, reaching heights of 15 m during peaks (Macedo & Castello, 2015). Due to the lack of sediments and thus nutrients, Igapó forests are unable to provide the resources needed to sustain as high levels of biodiversity as Varzeá forests. For example, a well-studied Varzeá site (Manu river, Cocha Cashu biological station) contained 1,856 higher plant species (in total 751 genera and 130 families; Foster & Hubbell 1990), whereas a well-studied Igapó site (Negro river, Reserva Ducke) contained 825 vascular plants from 88 families (Prance 1990; Gentry 1982).

The total number of species in Brazil is estimated at 1.8 million, a number which is likely an underestimation (Lewinsohn & Prado, 2015). One-tenth of all global species and an estimated quarter of all terrestrial species occur in Amazonia (Dirzo & Raven, 2003). It has been estimated that over 90% of mammals, birds and plant species are described in the Amazon. However, only a maximum of 10% insect species have been described (Hoorn et al., 2011), and around 6000 more fish species are yet to be described (Macedo & Castello, 2015). Not only is the Amazon rainforest essential to the survival of flora and fauna which reside there, it also plays an important role in climatic processes. The Amazon River accounts for 17% of the total global freshwater discharge into the oceans (Callede et al., 2002), and serves as one of the world's largest carbon sinks (storing around 15-200 petagrams of carbon in living biomass and soils; Baker et al., 2004; Feldpausch et al., 2012). In addition, Amazonia accounts for the equivalent of about 10% of the world's terrestrial primary productivity (Melillo et al., 1993) and 15% of global terrestrial photosynthesis (Field et al., 1998). The maintenance of the Amazon rainforest is vital to preventing excessive species extinction as well as a dramatic increase in the effect of climate change (Malhi et al., 2009).

However, despite its importance, the Amazon is relatively understudied (Silvano & Segalla, 2005).

During 2004 to 2012 there was a substantial 84% decline in Amazonian deforestation (Fearnside, 2017), followed by a small increase in deforestation from 13% in 2001 (Soares-Filho et al., 2006) to 17% in 2016 (Charity et al., 2016). However, this reduction in deforestation was short lived as a 29% increase in deforestation was seen in 2016 alone (Fearnside, 2017). Some simulated deforestation scenarios predicted that under habitat destruction rates continuing as at the beginning of the century ('business-as-usual') 40% to 85% of Amazonian forests could be lost (Soares-Filho et al., 2006). A 'governance' scenario, with effective Brazilian environmental legislation implemented across the Amazon basin, was predicted to lead to an increase of protected forest areas to 41% with all the forest within these areas being intact and only 50% of non-protected areas subject to disturbance (Soares-Filho et al., 2006). With the recent increase in Amazonian deforestation as of 2016, the 'business-as-usual' model is becoming more and more plausible.

### 1.5.Amazonian anurans

Particularly owing to the Amazon rainforest, Brazil is the country with the highest species richness of anurans on earth (Vitt & Caldwell, 1994; Buckley & Jetz, 2007). At the time of writing (07/04/18), there were 7828 recorded amphibians worldwide, 6902 of which were anurans (Frost, 2017). Brazil is home to 1124 amphibians (14.36% of the global total), 1080 of which are anuran species (13.80% of the global total) represented by 20 families and 90 genera (Frost, 2017). Anuran species richness continues to increase from past estimations (Avila-Pires et al, 2012), unlike that of birds (May & Beverton, 1990) and mammals (Glaw & Kohler, 1998) where new species discovery have relatively plateaued.

According to the Census of Biodiversity of the Brazilian Amazon (http://www.museu-goeldi.br/censo/ Accessed 07/04/2018), there are 309 species of anurans within the borders of the Brazilian Amazon. However, this is likely a significant underestimation. Greater amphibian diversity has been recorded in western Amazonia compared to eastern Amazonia (Azevedo-Ramos & Galatti, 2002), with a distinct cline of variation among northern and southern Amazonian anuran assemblages along an altitudinal gradient (Menin, Waldez &

Lima, 2008), and riparian zones playing an additional role in determining species richness and community structure (Ribeiro, Lima & Magnusson, 2012).

Broad-scale ecology has largely focused on endothermic vertebrates, and drivers of amphibian distributions and diversity are poorly understood (Buckley & Jetz, 2007). The distribution of anurans is known to be affected by abiotic variables such as temperature, precipitation and humidity (Keller et al., 2009), along with their ecological demands such as determined by their reproductive modes (Haddad & Prado, 2005). The ectothermic nature of anurans renders them susceptible to numerous terrestrial and aquatic environmental factors such as water and temperature. For example, from a highland sample site in Monteverde, Costa Rica, the abundances of 20 out of 50 anuran species dramatically decreased due to reduced dry-season mist frequency driven by global warming (Pounds, Fogden & Campbell, 1999). Bitar et al., (2017), analysed the effect of 22 environmental properties (including variations of temperature, precipitation, forest properties, and watercourse properties) on anuran species turnover and distribution. Different communities were affected by different variables with varying intensities. Anurans have been generally accepted as relatively easy to sample (Heyer, 1994). However, some difficulty can arise in identifying anurans due to their cryptic nature (Avila-Pires et al., 2012).

Amphibians have become the fastest declining vertebrate taxon worldwide (Beebee & Griffiths, 2005). Geographic distribution of rapidly decline species is non-random, and amphibian species from neotropical areas are more affected than species from Afrotropical and Indomalayan realms (Stuart et al., 2004). Furthermore, enigmatically declining species in the tropics are positively associated with streams at high elevation, and negatively associated with still water and low elevations (Eterovick et al., 2005). Species with wider geographically ranges are more likely to become locally extinct compared to species with limited distribution (Eterovick et al., 2005). However, Deichmann et al. (2010) found there was no significant decline in abundance or biomass of amphibians over 35 years at a study site in Central Amazonia. This contrasts greatly with other investigations showing a decline in anuran populations (Pounds, 2001; Lips, Reeve & Witters, 2003; Stuart et al., 2004; Eterovick et al., 2005; Pounds et al., 2006; Whitfield et al., 2007). This demonstrates that the global decline of amphibians is not uniform, and some species of anurans are more resilient or less affected than others.

### 1.5.1. Variables influencing Amazonian anuran distribution and assemblage composition

Attempting to define a set of rules that determine anuran distribution and assemblage composition is difficult, as the relevant literature often reveals that many factors contribute with levels of importance depending on the study site. Biogeographic studies on amphibians are still rather rare, and riddled with taxonomic issues. When compared with more mobile taxa such as primates or birds, Amazonian anuran species appear to be relatively restricted in their distribution, but more information is needed to specify the factors that cause this observation (Avila-Pires et al., 2012).

In the Amazon, distance from stream is one of the most highly supported variables affecting species distribution, particularly for riparian anurans (Condrati, 2009; Menin, Waldez & Lima, 2011; Prado & Rossa-Feres, 2014; Moraes et al., 2016), although this associate is not always found (Dias-Terceiro et al., 2015). Also, attributes of watercourses, such as width (Bitar et al., 2017), size (Keller et al., 2009), pH (Jorge et al., 2016) and hydroperiod (Prado & Rossa-Feres, 2014) can structure anuran communities in lentic environments (Silva et al., 2011). Edaphic properties such as clay content have been shown to have positive or negative correlations with anuran abundance depending on the species (Menin et al., 2007; Dias-Terceiro et al., 2015). Elevation, slope and altitude have also been shown to influence anuran abundance (Menin et al., 2007; Condrati 2009; Ribeiro et al., 2012; Rojas-Ahumada et al. 2012; Dias-Terceiro et al., 2015). However, clay content is often related to such other variables, and it is, therefore, unclear which variable is having a direct effect on assemblage composition (Rojas-Ahumada et al., 2012).

There are varying levels of dependency on water for Amazonian anuran species. Some are fully aquatic (e.g. *Pipa pipa*; Rabb & Rabb, 1960; 1963), whereas others depend on water only for reproduction (e.g. *Allobates femoralis*, Lima et al., 2006), and other are entirely independent of water (*Pristimantis fenestratus*; Lima et al., 2006). Aquatically reproducing species are restricted by the presence of suitable breeding sites (Zimmerman & Bierregaard, 1986; Menin et al., 2007), although explosively breeding species have perceived distributions and abundances during mating periods which differ from non-mating periods (Menin & Lima, 2011). Anuran species richness is also overall higher at sites adjacent to streams (Rojas-Ahumada et al., 2012). Species which are less dependent on water rely on air moisture to prevent desiccation (Duellman & Trueb 1986; Haddad & Prado 2005). The

presence of suitable water bodies for reproduction is mainly thought to structure the distribution of aquatic-breeding anurans, while terrestrially breeding anuran abundance and species richness are positively affected by leaf litter depth(Fauth et al., 1989). However, more recent results have also shown a negative effect on anuran species richness and abundance relating to leaf litter depth (Menin et al., 2007).

Biotic factors have also been shown to play an important role in assemblage structure, although depending on the study specific factors can have both a positive or negative influence. The structure of the environment, including, forest type (Gascon et al., 2000; Garda et al., 2013), tree density (Menin et al., 2007, 2011; Condrati, 2009), vegetation structure (Dias-Terceiro et al., 2015), pond vegetation (Prado & Rossa-Feres, 2014) and leaf litter morphology (Menin et al., 2007; Siqueira et al., 2014) has been shown to explain community composition. As abiotic and biotic factors vary in intensity depending on the location, other variables such as life histories may be a key role in structuring assemblage composition (Melo et al., 2014). Arboreal species experience a different habitat than terrestrial species, resulting in different responses to environmental variables limiting the distribution of species (Menin & Lima, 2011).

### 1.6.Caxiuanã

Caxiuanã National Forest is a large river riparian forest (Moraes et al., 2016) located in north eastern Amazonia, in the state of Para, south of the Amazon River and west of Belém (Figure 2). The area consists mainly of terra firme forest, which accounts for 80-85% of the area, in addition to permanently inundated Igapó forests, Varzeá forests and natural fields dominated by grass (Lisboa, 1997, 2002). Uncommon habitat types consist of swampy areas, sandy beaches, and peri-anthropic environments (Lisboa et al., 1997). Caxiuanã has an altitude of 30 m, a mean annual temperature of 26.8°C, an annual temperature range of 11.2°C, an average annual rainfall of 2223 mm (Bitar et al., 2017), and an average annual relative humidity of 82.3% (Oliveira et al., 2008). There is a pronounced dry season between July and December, where rainfall in total averages around 555 mm (Fisher et al., 2006). The rainy season runs from January through June (Lisboa, 1999). Mean canopy height is 35 m with some trees reaching 50m (Oliveira et al., 2008). There are between 450 and 550 plant species per hectare (Oliveira et al., 2008). Approximately 85% of watercourses in Caxiuanã

are lentic, with a mean width of 30.4m (ranging from 2.9 m to 50m, Bitar et al., 2017). There is a high of deposition of organic material, and an abundance of aquatic vegetation (Bitar et al., 2017).


Figure 2. Map of North-Eastern Brazilian state of Pará, highlighting Caxiuanã national forest. Base map sourced from Google Maps.

Notable areas where research is conducted include the Biodiversity Research Program (Programa de Pesquisa em Biodiversidade PPBIO), a 5 x 5 km plot, which primarily monitors local biodiversity changes (Andreae et al., 2002; Figure 3). The Ferreira Penna Scientific Station (Estação Científica Ferreira Penna (ECFPn) is the main research station in Caxiuanã located along the Curuá River (Figure 4). The Brazilian Institute of Environment and Renewable Natural Resources (Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA; Figure 4) is located in the southern side of the Caxiuanã River south of ECFPn.

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Figure 3. Key areas throughout Caxiuanã, including research areas and waterways. Base map sourced from Google Maps.

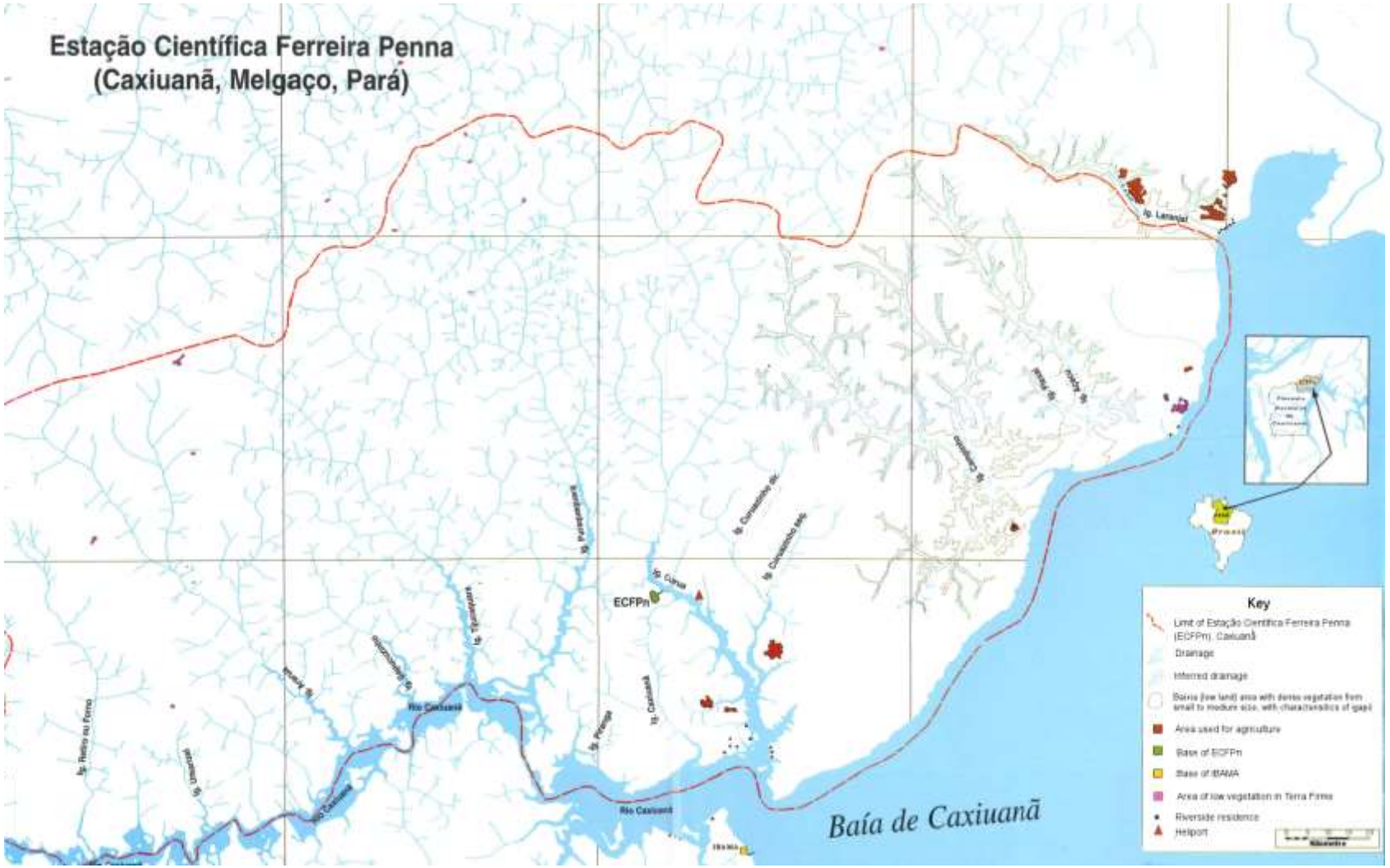


Figure 4. Northern map of Caxiuanã, focused on the Caxiuanã River (Portuguese translation Rio Caxiuanã ) and showing the tributaries designated by ‘Ig’ meaning ‘Igarape’. Scanned physical copy and adapted from the original author Luis Barbosa.

Research in Caxiuanã has mainly focused on reptiles (particularly squamates), and overall the area is relatively understudied (Lisboa, 2012). Past researchers have commented on the population differences that occur in Caxiuanã without the existence of obvious factors justifying such differences (Avila-Pires et al., 2012). Bitar et al. (2017) investigated factors that may explain anuran species turnover in three eastern Amazonian terra firme forests, revealing that Caxiuanã was enigmatically different in relation to anuran species richness and its determinants, possibly due to physiographic features not present in the other two areas. Four species were only collected in Caxiuanã and not in the other localities, compared to 12 and 21 species that were solely collected in Tapajos and Amapa, respectively. Caxiuanã indeed has no recorded endemic species (Azevedo-Ramos & Galatti, 2002). One explanation for the difference noted in Caxiuanã was that the area has physiographic features not found in the other sample areas, such as Ria lakes, also known as blocked valleys. These areas are characterised by low sediment transportation in comparison to main river systems (Latrubesse, 2012),which may influence anuran distribution and community characteristics.

### 1.7.Aims and objectives

This thesis investigated, at a population level, how the assemblage composition of anurans could be influenced by riverine barrier and life history traits, in the north-eastern section of the Caxiuanã national park, Brazil. Understanding factors that govern spatial distribution of organisms will greatly aid conservation efforts to protect endangered or threatened species. Anurans were chosen as the sample species because of their continuous global decline, their abundance throughout the Amazon rainforest and the study site, and the general understudied nature of the Amazon. There are three main aims of this research. Firstly, to analyse the barrier effect of the Caxiuanã River on the residing anurans. Riverine barrier effects are commonly thought to be important only for large rivers such as the Amazon River and its tributaries (Hayes & Sewlal, 2004; Dias-Terceiro et al., 2015; Moraes et al., 2016). Secondly, to compare different anuran assemblages in Caxiuanã regarding species composition and life-history traits. Finally, to provide in-depth statistical analysis comparing multiple diversity indices and richness estimators across the assemblages, evaluating the most effective to use and provide quantitative data to be used in future research. The main

objective was to use a large dataset compiled of species, location, habitat, microhabitat and date of anuran sampling data collected over two decades, supplied to the researcher by Museu Parense Emilio Goeldi, to analyse trends on anuran spatial distribution and community composition in the study area incorporating life-history traits of the sampling individuals and taking the methodological issues into consideration. Furthermore, combining distributional, species richness, diversity and life-history trait information joins together multiple hypotheses for the explanation of species distribution in this north-eastern area of the Amazon Rainforest. A further objective was to use species richness estimators and diversity indices to provide quantitative information on the potential riverine barrier effect of the Caxiuanã River.

## 2.0.Methods

In total, the researcher stayed for two months (11th February to 4th April 2017) in the city of Belém, working at the Museu Parense Emilio Goeldi (MPEG) research campus in contact with several well-established Amazonian researchers (primarily Dr Ulisses Galatti, and to a lesser extent, Dr Marinus S. Hoogmoed, Dr Teresa C.S. Avila-Pires and Dr Alexandre Alexio). One week (14th to 20th February) was spent on-site at ECFPn to experience the Caxiuanã environment, the varying habitats (Appendices 1 & 2), and the biodiversity (Appendix 3) of the area to aid future analysis and writing of the thesis. Data collection by the researcher was not permitted due to research license complications.

Once returned to Belém, data consisting of information on 1838 anuran individuals, including species collected, location, habitat, microhabitat, date, GPS coordinates and collector of individual, compiled from 1991 to 2012 by approximately 50 collectors, including several well-established herpetologists (Dr M.S. Hoogmoed, Dr T.C. S. Avila-Pires, Dr U. Galatti and Dr J. A. R. Bernardi), field assistants and locals were provided to the researcher by MPEG. Additional data which were not yet included in the original dataset (location, habitat, and microhabitat) were added by the researcher via collector's field notes supplied by MPEG. Some data have previously been used in published research (Avila-Pires & Hoogmoed, 1997; Bernardi, 1999; Estupinan, Bernardi & Galatti et al., 1999; Hoogmoed & Avila-Pires, 2012). Avila-Pires & Hoogmoed (1997) focused on the sampling of anurans,

lizards and snakes and consisted of four sampled periods between from 1992 to 1993. Sampling was conducted by a variety of personnel including the authors, research teams and staff at the ECFPn field station. Drift fences, pitfall traps and acoustic surveys conducted diurnally and nocturnally were the main collection method and placed along pre-existing trails in mostly terra firme forest in Caxiuanã. They concluded that all species sampled were already known to occur in eastern Amazonia and differences between IBAMA and ECFPn sites may be due to different water dynamics. Bernardi (1999) focused on anuran species in Caxiuanã and involved four sampling periods throughout the rainy and dry season in 1998. Sampling involved transect and audio surveys with drift fences and pitfall traps along eight transects (850 m each) on the Igarapé Araua and Igarapé Laranjal (Igarapé refers to a tributary). Estupinan, Bernardi & Galatti (1999) conducted diurnal and nocturnal transect surveys and used pitfall traps at the Igarapé Araua and Igarapé Laranjal in terra firme, secondary forest, Igapó and aquatic vegetation habitats. Sampling occurred bimonthly from 1997 to 1998 across six 850 m transects. Hoogmoed & Avila-Pires (2012) focused on the colour polymorphism of *Dendrobates galactonotus*; individuals used in this research were collected from five periods ranging from 1992 to 2012 from multiple sites around Para, Brazil, including Caxiuanã. Additional material was collected from the MPEG archives. Some records in the published research were deemed unsuitable for a variety of reasons and not included in the database provided to the researcher. Individuals collected were stored in ethanol in the herpetological archives at MPEG for future reference. Other than the methodology from the published data and those individuals collected at the PPBIO site, which were primarily via pitfall traps and transects, the methodology used by collectors during sampling of individuals is unknown.

### 2.1.Study areas

The most common habitat within Caxiuanã national forest is terra firme forest which comprised 85% of the area (Lisboa et al., 1997). The studied assemblages were split into two areas. The north consisted of the Curuá and Laranjal assemblages, and the south comprised the PPBIO and IBAMA assemblages. In addition to primarily terra firme forest, the northern assemblages included areas of secondary forest (capoeira), Igapós, open fields, rich aquatic vegetation along the banks of the rivers and anthropogenic areas (Lisboa et al., 1997; Estupinan, Bernardi & Galatti et al., 1999). Terra firme edaphic properties vary greatly in the

area depending on sand and clay proportions; litter thickness is dependent on soil type and ranges from 0.1 to 2.0 cm (Bernardi, 1999). Capoeira areas were formed at least 35 years ago and are dispersed throughout the ECFPn range mainly for small agricultural crops such as manioc. Many residents in the area were moved out by the federal government in the 1960s (Bernardi, 1999). Igapó habitats are acidic and poor in nutrients, and the spacing between trees in the northern assemblages is greater and the height of vegetation is lower than in the terra firme forest (Bernardi, 1999). A grid system of trails near to the Curuá assemblage consist of east-west trails crossed every 50 m by 23 north-south trails, generally 700 m in length (Avila-Pires & Hoogmoed, 1997). The southern assemblages are characterised by similar habitats than the northern assemblages. IBAMA comprises of some pre-existing trails and dirt roads within a relatively low terra firme forest, and a residential area with peri-anthropic environment. The shore includes sandy beaches surrounded by Igapó areas (Avila-Pires & Hoogmoed, 1997). The PPBIO plot consists largely of undisturbed terra firme forest with natural clearings due to tree fall. Some sections of the area are subject to seasonal flooding by the overflow of small streams (Silveira et al., 2012).

### 2.2.Life-history descriptions

Overall nine life-history traits were analysed for the collected anuran species. Categorisation of the species was based on Lima et al. (2006), the supporting data of Moraes et al. (2016) and online information (IUCN Redlist http://www.iucnredlist.org/; Amphibiaweb http://www.amphibiaweb.org/). ‘Habitat preference’ refers to the broad habitat type where the species is most commonly collected; ‘terrestrial’ includes species that are fully terrestrial and semi aquatic, ‘arboreal’ includes species that inhabit high vegetation such as trees, ‘aquatic’ includes fully aquatic species, and ‘fossorial’ refers to burrowing species. ‘Riparian’ refers to whether the species is dependent on riparian habitats, a common environment throughout Caxiuanã. For ‘reproductive type’, ‘aquatic’ was defined as any species that requires water throughout any single stage of its development, such as *Hypsiboas geographicus* and *H. lanciformis* which deposit their eggs on leaves above waterbodies where the tadpoles continue development. Under ‘aquatic reproductive type', ‘arboreal' was defined as species which lay eggs in water in tree holes or bromeliads. ‘Known distribution in

Amazonia' defines the current known distribution of the species throughout the range of the Amazon Rainforest. 'Activity period' was based on the known periods of the day when the species is active and includes 'diurnal', 'nocturnal', and 'cathemeral'. 'Microhabitat preference' was based on the more specific location species were collected or are commonly known to inhabit. The criteria used to classify the species for 'terrestrial', 'arboreal', 'aquatic' and 'fossorial' are the same as 'habitat preference' with the exception that 'terrestrial' primarily included species known to live in leaf litter and fallen tree debris. Season collected was derived from the date provided from the database; 'dry' was defined as between 1st July to 31st December, and 'rainy' was defined as between 1st January to 30th June (Lisboa 1999; Fisher et al., 2006; Pinto, Confalonieri & Mascarenhas, 2009); species with equal individuals for each season were classes as 'even'. For 'body size', 'small' was defined as less than 50 mm, 'medium' as 50-99 mm and 'large' as species which have been known to grow over 100 mm.

### 2.3.Plotting the distribution of species sampled

Point distribution maps were created using QGIS based on available Global Positioning System (GPS) data, using Google Satellite as a base map because Caxiuanã River and its tributaries had greater visibility. However, GPS data were lacking or incorrect for 1389 records (75.6% of total individuals, *n*=1838). To account for this, estimated GPS coordinates were input based on location, habitat and microhabitat information that was available. For example, for individuals located on the Igarapé Curuá in terra firme habitat and a microhabitat of leaf litter, it was predicted that the record was found outside of riparian zones along the Igarapé Curuá. GPS coordinates along common trials used in Caxiuanã were collected and used as base coordinates for some of these estimations. From these coordinates, distance from closest large water body was estimated using the ruler tool in QGIS on a Google Earth base map; distance from large water body was used as smaller rivers could not be accurately seen. 'Correct' and 'estimate' GPS coordinates were separated by colour in the maps used in this research (blue and red respectively).

### 2.4. Statistical analysis

Abundance was quantified as the number of individuals while relative abundance was quantified as the number of individuals divided by the total number of individuals for the specific category (species, location, habitat, season collected etc.). Rank abundance graphs were created in Microsoft Excel 2017 using relative abundance for each species for northern and southern communities and all four assemblages. (Appendices 4, 5 & 6). A Pareto chart was created in Excel using the abundance data to visualise dominance in Caxiuanã. Simpson's inverse diversity index was calculated using the formula shown in figure 5 for the overall diversity of Caxiuanã, the diversity for each community north and south of the Caxiuanã River and for all four assemblages studied. Distance from the largest water source for individuals was presented in an ordination graph in Excel.

$$D = 1 - \left( \frac{\sum n(n-1)}{N(N-1)} \right)$$

Figure 5. Simpson's inverse diversity index formula

EstimateS version 9.1.0 (Colwell, 2012) was used to compute diversity statistics. The data were input as multiple individual-based abundance samples. Sample-based input was not chosen because the methodology used by the collectors was not known for all individuals. Diversity was calculated for all individuals, separately for individuals recorded north and south of the Caxiuanã river, and then again for the four separate assemblages. The following diversity settings were used for all runs of the data: 1000 randomisations, extrapolation for rarefaction by total number of individuals, estimation points (knots) at every individual, diversity indices computed, bias-corrected formula for Chao 1 and Chao 2, coverage-based estimators set as ten, randomised individuals without replacement; the remaining options under the 'other options tab' were left to default settings. Once computed, the output file was exported into Excel to create graphs with the relevant information. Individual-based rarefaction curves were created using 'S Mean (runs)' to plot the observed species, using Chao 1 (Chao, 1984) as the primary species richness estimator. 'S Mean (runs)' is the number of species represented among *m* (total number of samples) individuals, given the reference sample (mean among runs Colwell, 2012); in other words, it is equal to the observed species. The rarefactions methods are adequate to estimate species richness and comparisons among data sets with different numbers of individuals (Gotelli & Colwell, 2001). In addition,

graphs with both upper and lower 95% confidence for *S* (mean) runs and for Chao 1 were created to show the confidence levels of the results. The results for Simpson's inverse index were used to create graphs in Excel to visualise the diversity in Caxiuanã overall, between the northern and southern communities and between the four assemblages.

The software PAST 3 (Hammer, Harper & Ryan, 2001) was used to compute the diversity indices. The data were input into columns for the northern and southern communities and for all four assemblages with the total amount of individuals for each species recorded to the relevant location. EstimateS was also used for comparison.

Simpson's inverse index (*D*) is a compound index combining measures of richness and abundance (Morris et al., 2014), measuring the probability that two individuals randomly selected from a sample will belong to a different species or category. The value of *D* ranges from 0 (low species richness and diversity) to 1 (high species richness and diversity, Smith & Smith, 2009). The Simpson's diversity index is superior than the more commonly used Shannon index, as fewer individuals are needed for comparative purposes (Lande, DeVries & Walla, 2000; Magurran, 2013), also providing more accurate measures of evenness (Morris et al., 2014; Hammer, 2018). Lande, DeVries & Walla (2000) further found that the Simpson's index is more effective than species accumulation curves in ranking communities. In addition, *D* can be used as a measure of dominance (Smith & Smith, 2009). Fisher's alpha diversity has been supported by many papers, even when the log series distribution is not the best descriptor of the species abundance pattern (Magurran, 2013), and was used as a further diversity measure. Moraes et al. (2016) stated that Simpson's diversity indices should be used to compute evenness rather than Shannon's index. Thus, Buzas and Gibson's evenness (Evenness_*e^H/S*) and Equitability (Equitability_*J*) were removed because the formulae involve the use of Shannon Index (*H*). The Menhinick and Margalef indices were removed from analysis because of redundancy of species richness estimators, and Berger-Parker was removed for redundancy of a dominance measure.

Chao 1 (Chao, 1984) is a nonparametric species richness estimator based on the number of rare species (singletons and doubletons) in a sample, with increased frequency of singletons leading to greater species richness once all species in the sample are equal to two individuals, the inventory can be considered complete (Coddington et al., 1996; Magurran,

2013). Chao 1 was chosen as the main species richness estimator as it has been demonstrated to have high precision, negligible standard deviations and a low bias when compared against other species richness estimations (Walther & Martin, 2001; Magurran, 2013; Hortal, Borges & Gaspar, 2006).

IBM SPSS Statistics with Python 3.4 was used to test if life-history traits and guilds had any significant effect on the distribution of species. The data were input as a series of numbers which were labelled in the variable view of SPSS. Overall five life-history traits and categories (location, habitat preference, microhabitat preference, aquatic reproductive type, and activity period) were analysed used a Chi-square test with bootstrapping (1000 randomisations), comparing the selected traits against the total species and individuals.

'Location' was chosen from the data categories of anuran sampled because it separates the four assemblages defined in this research, and would demonstrate if locality was significant for species distribution. 'Habitat preference' and 'microhabitat preference' were chosen as important traits because they play a role in anuran distribution as described above. 'Aquatic reproductive type' was included because it is more specific than 'reproductive type' as many aquatically reproducing anurans have a wide range and definition of a reproductive mode. 'Activity period' was included to determine differences between distribution and nocturnal or diurnal species.

## 3.0.Results

### 3.1.Data processing

A total of 1838 individual records distributed across 11 families, 25 genera and 48 species were used for analyses (Table 1), reduced from 2694 individuals, 14 families, 31 genera and 74 species (taxonomic reductions are discussed in chapter 3.2). Data among the categories for the individuals were unevenly distributed, due to lack of data. Therefore, overall totals for tables 2-5 are under the total of individuals used for analysis (*n*=1838) and the total number of individuals before processing (*n*=2694). Table 2 shows the relative abundance without data deficient individuals and the relative abundance when compared to the overall total individuals (*n* = 1838). The data were refined into fewer categories for location, habitat and microhabitat for statistical analyses (Table 3, 4 & 5). Originally, 'location' consisted of 12 entries (Caxiuanã bay, Igarapé Abacaxis, Igarapé Anapú, Igarapé Arauá, Igarapé Curuá,

Igarapé Curuáxinho, Igarapé Grande, Igarapé Laranjal, Igarapé Santa Cruz, Igarapé Tijucaquara, PPBIO plot, Caxiuanã River, and Empty). The single individual located at Igarapé Abacaxis was removed from any analysis involving location, habitat, microhabitat due to insufficient data; Igarapé Anapú is a small river located close to the IBAMA base, and all individuals were therefore changed to IBAMA. Igarapé Arauá is a small tributary of the Caxiuanã River, and all individuals were classed under Igarapé Curuá. Igarapé Curuáxinho is a small river connected to the Igarapé Curuá, and the single individual found in this location was therefore classed under Igarapé Curuá. All Igarapé Grande individuals were changed to Igarapé Curuá. Individuals located at Igarapé Laranjal were not changed. Igarapé Santa Cruz is a small river close to IBAMA, and both individuals were changed to IBAMA. Igarapé Tijucaquara individuals were changed to Igarapé Curuá. All individuals located in the PPBIO plot were not changed. The single individual found in Caxiuanã River was described as being found close to IBAMA in the field notes, and therefore was changed to IBAMA. All locations can be found in Figure 4, except for Igarapé Abacaxis, Igarapé Anapú, and Igarapé Santa Cruz, where the specific location of these tributaries could not be specified. All location information can be seen in Table 3. For the reduction of 'habitat' information (Table 4), 'anthropogenic' was removed from the analysis, and Baixio, Capoeira, Igapó, terra firme and Várzea were retained. Mata was changed to terra firme. Mata, Baixio, terra firme/Igapó, and terra firme/Várzea were classed as terra firme unless relevant field notes of the individuals stated that the other habitat type was more dominant. Individuals with no information for habitat were removed from this analysis. Definitions of the habitat types can be found in Table 4. For the reduction of 'microhabitat' data (Table 5), 'aquatic vegetation', 'litter', 'high vegetation' and 'low vegetation' were retained. 'Forest floor', 'MTF/litter' and 'trap' were classed under 'litter' as all individuals were collected from the forest floor including those from pitfall traps, while those from drift fences were removed. Those listed as 'empty' were removed due to insufficient data. Definition of the habitat types can be found in Table 5. The differences between Tables 3, 4 and 5 is due to modifications based on information gained from the field notes and from the removal of all individuals described in Chapter 3.2. Sampled data were unevenly distributed throughout the sample period with no individuals in the database for 2006. 2008, 2010 and 2011. 1991, 1994, 1995, 1999, 2001, 2003, 2005 and 2009 had less than a total of ten individuals recorded. The data set including the original location, habitat, and microhabitat data of individuals can be found in Appendix 7.

Table 1. The number of individuals and relative abundance of species collected in Caxiuanã and used in the analysis.

| **Family** | **Genus** | **Species** | **Individual total** | **Relative abundance (%)** |
|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | 52 | 2.83% |
| Aromobatidae | *Allobates* | *sp.* | 59 | 3.21% |
| Bufonidae | *Amazophrynella* | *bokermanni* | 343 | 18.66% |
| Bufonidae | *Rhinella* | *magnussoni* | 458 | 24.92% |
| Bufonidae | *Rhinella* | *marina* | 16 | 0.87% |
| Centrolenidae | *Vitreorana* | *ritae* | 1 | 0.05% |
| Ceratophryidae | *Ceratophrys* | *cornuta* | 37 | 2.01% |
| Craugastoridae | *Pristimantis* | *fenestratus* | 69 | 3.75% |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 139 | 7.56% |
| Dendrobatidae | *Ranitomeya* | *amazonica* | 24 | 1.31% |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 11 | 0.60% |
| Hylidae | *Dendropsophus* | *melanargyreus* | 4 | 0.22% |
| Hylidae | *Dendropsophus* | *minusculus* | 18 | 0.98% |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 0.16% |
| Hylidae | *Hypsiboas* | *boans* | 2 | 0.11% |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 0.54% |
| Hylidae | *Hypsiboas* | *geographicus* | 7 | 0.38% |
| Hylidae | *Hypsiboas* | *lanciformis* | 2 | 0.11% |
| Hylidae | *Hypsiboas* | *punctatus* | 1 | 0.05% |
| Hylidae | *Hypsiboas* | *raniceps* | 1 | 0.05% |
| Hylidae | *Hypsiboas* | *wavrini* | 20 | 1.09% |
| Hylidae | *Lysapsus* | *laevis* | 14 | 0.76% |
| Hylidae | *Osteocephalus* | *oophagus* | 8 | 0.44% |
| Hylidae | *Osteocephalus* | *taurinus* | 13 | 0.71% |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 1 | 0.05% |
| Hylidae | *Phyllomedusa* | *vaillantii* | 9 | 0.49% |
| Hylidae | *Scinax* | *boesemani* | 10 | 0.54% |
| Hylidae | *Scinax* | *garbei* | 4 | 0.22% |
| Hylidae | *Scinax* | *nebulosus* | 23 | 1.25% |
| Hylidae | *Scinax* | *ruber* | 23 | 1.25% |

Table 1 continued

| **Family** | **Genus** | **Species** | **Individual total** | **Relative abundance (%)** |
|---|---|---|---|---|
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0.05% |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 1 | 0.05% |
| Leptodactylidae | *Leptodactylus* | *knudseni* | 6 | 0.33% |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | 72 | 3.92% |
| Leptodactylidae | *Leptodactylus* | *paraensis* | 75 | 4.08% |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 26 | 1.41% |
| Leptodactylidae | *Leptodactylus* | *petersii* | 31 | 1.69% |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | 17 | 0.92% |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 0.11% |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 26 | 1.41% |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 5 | 0.27% |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 3 | 0.16% |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 1 | 0.05% |
| Microhylidae | *Ctenophryne* | *geayi* | 52 | 2.83% |
| Microhylidae | *Hamptophryne* | *boliviana* | 116 | 6.31% |
| Pipidae | *Pipa* | *pipa* | 12 | 0.65% |
| Ranidae | *Lithobates* | *palmipes* | 9 | 0.49% |
| | | **Total individuals** | **1838** | **100.00%** |
| | | **Total species** | **48** | |

Table 2. Overall summary of the amount, specific relative abundance (specific to the relevant category) and overall relative abundance (relative to the total number of individuals collected, *n* = 1838) of individuals for location, habitat, microhabitat and season collected.

| **Location** | **Total (*n*)** | **Specific relative abundance (%)** | **Overall Relative abundance (%)** |
|---|---|---|---|
| Igarapé Curuá | 533 | 29.21% | 29.00% |
| Igarapé Laranjal | 203 | 11.12% | 11.04% |
| PPBIO plot | 1033 | 56.60% | 56.20% |
| IBAMA | 40 | 2.19% | 2.18% |
| Other | 16 | 0.88% | 0.87% |
| **Total** | **1825** | **100.00%** | **99.29%** |
| **Habitat** | **Total (n)** | **Relative abundance (%)** | **Relative abundance to total individuals (*n* = 1838) (%)** |
| Baixio | 16 | 1.09% | 1.09% |
| Capoeira | 124 | 8.48% | 6.75% |
| Igapó | 71 | 4.86% | 3.86% |
| Terra firme | 1239 | 84.75% | 67.41% |
| Várzea | 12 | 0.82% | 0.65% |
| **Total** | **1462** | **100.00%** | **79.54%** |
| **Microhabitat** | **Total (n)** | **Relative abundance (%)** | **Relative abundance to total individuals (*n* = 1838) (%)** |
| Aquatic vegetation | 42 | 6.74% | 2.29% |
| High vegetation | 16 | 2.57% | 0.87% |
| Litter | 536 | 86.04% | 29.16% |
| Low vegetation | 29 | 4.65% | 1.58% |
| **Total** | **623** | **100.00%** | **33.90%** |
| **Season collected** | **Total (n)** | **Relative abundance (%)** | **Relative abundance to total individuals (*n* = 1838) (%)** |
| Rainy | 1218 | 66.41% | 66.27% |
| Dry | 616 | 33.59% | 33.51% |
| **Total** | **1834** | **100.00%** | **99.78%** |

Table 3. Results for the location where individuals were collected and the modified results after reduction. 'Igarapé' refers to a smaller river, while 'Rio' refers to a larger river Figure 4, shows the majority of rivers in Caxiuanã. Raw data are shown in Appendix 7.

| **Unmodified - location** | **Total (*n*)** | **Relative abundance (%)** | **Modified - location** | **Total (*n*)** | **Relative abundance (%)** |
|---|---|---|---|---|---|
| Caxiuanã bay | 67 | 2.56% | Igarapé Curuá | 533 | 29.21% |
| Igarapé Abacaxis | 1 | 0.04% | Igarapé Laranjal | 203 | 11.12% |
| Igarapé Anapú | 39 | 1.49% | PPBIO plot | 1033 | 56.60% |
| Igarapé Arauá | 137 | 5.23% | IBAMA | 40 | 2.19% |
| Igarapé Curuá | 484 | 18.47% | Other | 16 | 0.88% |
| Igarapé Curuáxinho | 1 | 0.04% | **Total** | **1825** | **100.00%** |
| Igarapé Grande | 10 | 0.38% | | | |
| Igarapé Laranjal | 254 | 9.69% | | | |
| Igarapé Santa Cruz | 2 | 0.08% | | | |
| Igarapé Tijucaquara | 1 | 0.04% | | | |
| PPBIO plot | 1389 | 53.02% | | | |
| Caxiuanã river | 1 | 0.04% | | | |
| Empty | 233 | 8.89% | | | |
| **Total** | **2620** | **100.00%** | | | |

Table 4. Results for the habitat where individuals were collected and modified results after reduction. 'Anthropogenic' refers to any man-made sites where individuals were collected, 'Baixio' here is classed as lowland, usually flooded habitat, 'Capoeira' is defined as secondary forest, 'Igapó' is classed as black-water flooded forest, while 'Várzea' is classed as white-water flooded forest, 'Mata' refers primarily to Terra firme forest but also primary forest. Ulisses Galatti provided the descriptions of the Portuguese definitions.

| **Unmodified - habitat** | **Total (*n*)** | **Relative abundance (%)** | **modified - habitat** | **Total (*n*)** | **Relative abundance (%)** |
|---|---|---|---|---|---|
| Anthropogenic | 23 | 0.88% | Baixio | 16 | 1.09% |
| Baixio | 10 | 0.38% | Capoeria | 124 | 8.48% |
| Capoeira | 169 | 6.45% | Igapó | 71 | 4.86% |
| Igapó | 62 | 2.37% | Terra firme | 1239 | 84.75% |
| Mata | 224 | 8.55% | Várzea | 12 | 0.82% |
| Mata, Baixio | 12 | 0.46% | **Total** | **1462** | **100.00%** |
| Terra firme | 1585 | 60.50% | | | |
| Terra firme/Igapó | 20 | 0.76% | | | |
| Terra firme/Várzea | 7 | 0.27% | | | |
| Várzea | 10 | 0.38% | | | |
| Empty | 498 | 19.01% | | | |
| **Total** | **2620** | **100.00%** | | | |

Table 5. Results for the microhabitat in which individuals were collected, and modified results after data reduction. 'Aquatic vegetation' was defined as any vegetation partially submerged in water. 'Forest floor' refers to individuals collected on the forest floor. 'High vegetation' refers to individuals recorded above shrub level height. 'Litter' refers to individuals collected on or within leaf litter on the forest floor. 'Low vegetation' refers to individuals collected on vegetation collected at shrub level height or below. 'MTF/Litter' refers to leaf litter in terra firme forest. 'Other' referred to individuals recorded with specific information such as 'under fallen tree' or 'shallow pool with litter'. 'Trap' primarily referred to pitfall traps but also included drift fence traps. Ulisses Galatti provided the descriptions of the Portuguese definitions.

| **Unmodified - Microhabitat** | **Total (*n*)** | **Relative abundance (%)** |
|---|---|---|
| Aquatic vegetation | 42 | 1.60% |
| Forest floor | 51 | 1.95% |
| High vegetation | 16 | 0.61% |
| Litter | 300 | 11.45% |
| Low vegetation | 27 | 1.03% |
| MTF/Litter | 86 | 3.28% |
| Other | 4 | 0.15% |
| Trap | 679 | 25.92% |
| Empty | 1415 | 54.01% |
| **Total** | **2620** | **100.00%** |

| **Modified - microhabitat** | **Total (*n*)** | **Relative abundance (%)** |
|---|---|---|
| Aquatic vegetation | 42 | 6.74% |
| High vegetation | 16 | 2.57% |
| Litter | 536 | 86.04% |
| Low vegetation | 29 | 4.65% |
| **Total** | **623** | **100.00%** |

Data were split into three sections for analysis: overall total (*n*=1838), north and south of the Caxiuanã River (*n*=1825, 13 individuals were data deficient) and the four assemblages (Curuá, Laranjal, PPBIO, IBAMA, *n*= 1809, 16 more individuals listed in 'other', all were *Adelphobates galactonotus* and located furthest south of the region, east of PPBIO, Appendix 8).

All species collected were categorised among nine life histories traits and collection categories (Table 6 & 7, Figure 6). The most common category under 'habitat preference' was 'terrestrial' with 47.92% of the total species. 52.08% of species were classes as 'riparian'. Under 'reproductive type', 'aquatic' was the most dominant form of reproduction

with 89.58% of the species. Under ‘aquatic reproductive type’, ‘lentic’ accounted for 64.58% of the total species. ‘Widely distributed’ was common under ‘distribution in Amazonia’, with 77.78% of the total species. Under ‘activity period’, ‘nocturnal’ accounted for 81.25% of species. With 45.83% ‘arboreal’ accounted for the majority of species under ‘microhabitat’. Most of the species (68.75%) were collected during the ‘dry’ period, and with 54.17% of records the most common category under ‘body size’ was ‘small’. When analysing the significance of the life-history traits for the sampled anuran species in Caxiuanã, the distribution of species was significantly uneven across all categories with a p-value of $< 0.001$ (Appendix 9).

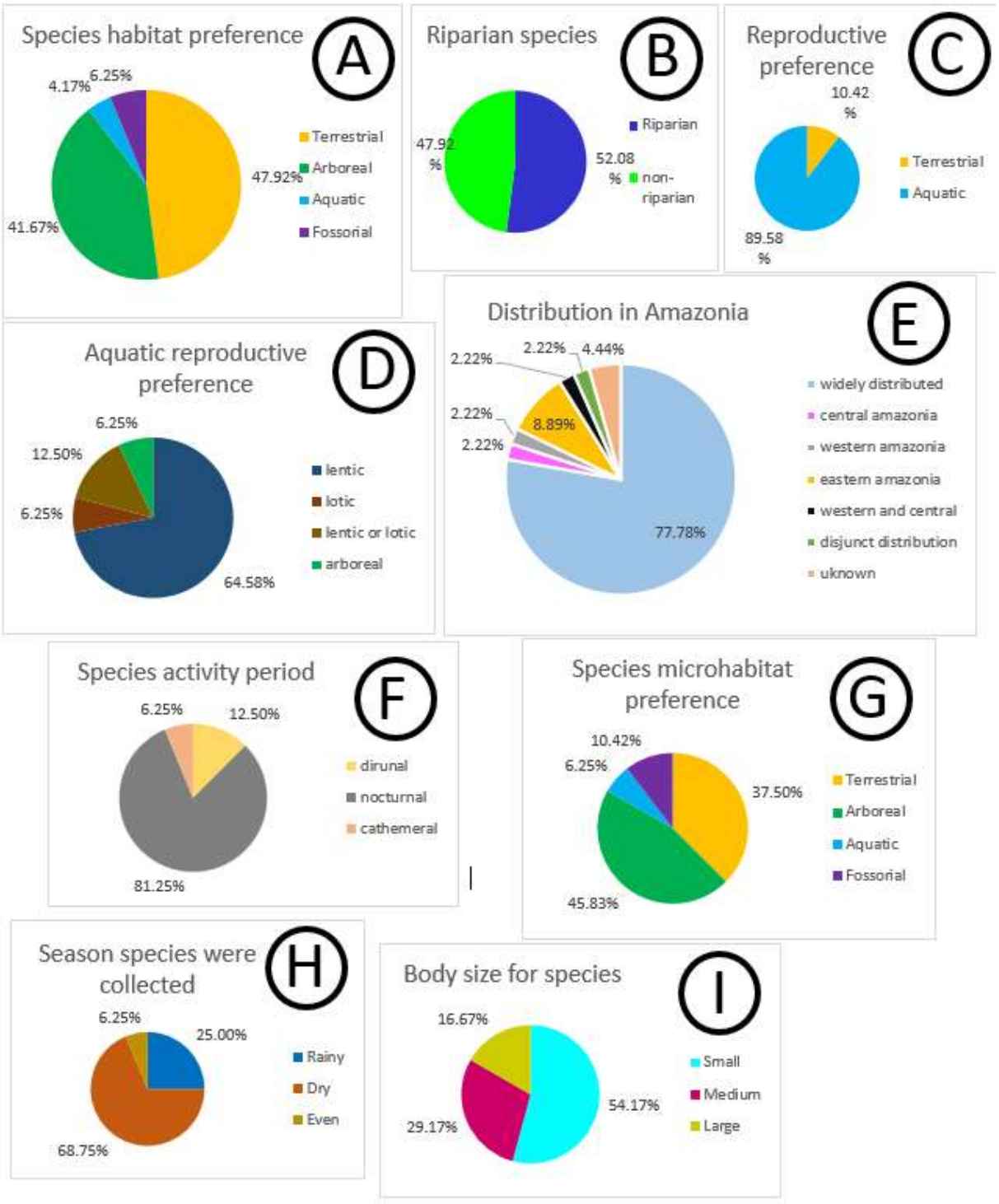


Figure 6 – Total percentages of individuals in each life history categories. A = species habitat preferences, B = riparian species, C = reproductive preference, D= Aquatic reproductive preference, E = distribution in Amazonia, F = species activity period, G species microhabitat preference, H – season species were collected, I = body size for species.

Table 6. Life-history traits and categories for the study species of this research.

| Family | Genus | Species | Habitat preference | Riparian (yes/no) | Reproductive type | aquatic reproductive type | known distribution in Amazonia | activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | Terrestrial | No | Aquatic | lentic | widely distributed | diurnal | terrestrial | Rainy | small |
| Aromobatidae | *Allobates* | *sp.* | Terrestrial | No | Aquatic | lentic | unknown | diurnal | terrestrial | Dry | small |
| Bufonidae | *Amazophrynella* | *bokermanni* | Terrestrial | No | Aquatic | lentic | central Amazonia | diurnal | terrestrial | Dry | small |
| Bufonidae | *Rhinella* | *magnussoni* | Terrestrial | No | Terrestrial | terrestrial | widely distributed | diurnal | terrestrial | Rainy | medium |
| Bufonidae | *Rhinella* | *marina* | Terrestrial | No | Aquatic | lentic/lotic | widely distributed | nocturnal | terrestrial | Dry | large |
| Centrolenidae | *Vitreorana* | *ritae* | Terrestrial | Yes | Aquatic | lentic/lotic | western and central | nocturnal | arboreal | Rainy | small |
| Ceratophryidae | *Ceratophrys* | *cornuta* | Terrestrial | No | Aquatic | lentic | widely distributed | nocturnal | terrestrial | Rainy | medium |
| Craugastoridae | *Pristimantis* | *fenestratus* | Terrestrial | No | Terrestrial | terrestrial | widely distributed | nocturnal | terrestrial | Rainy | small |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Terrestrial | No | Aquatic | lentic | eastern Amazonia | diurnal | terrestrial | Rainy | small |

Table 6 continued

| Family | Genus | Species | Habitat preference | Riparian | Reproductive type | Aquatic reproductive type | Known distribution in Amazonia | Activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dendrobatidae | *Ranitomeya* | *amazonica* | Terrestrial | No | Aquatic | arboreal | disjunct distribution | diurnal | arboreal | Rainy | small |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Arboreal | No | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | small |
| Hylidae | *Dendropsophus* | *melanargyreus* | Arboreal | No | Aquatic | lentic | eastern Amazonia | nocturnal | arboreal | Even | small |
| Hylidae | *Dendropsophus* | *minusculus* | Arboreal | Yes | Aquatic | lentic | unknown | nocturnal | arboreal | Rainy | small |
| Hylidae | *Dendropsophus* | *minutus* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | small |
| Hylidae | *Hypsiboas* | *boans* | Arboreal | Yes | Aquatic | lentic/lotic | widely distributed | nocturnal | arboreal | Dry | large |
| Hylidae | *Hypsiboas* | *cinerascens* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | small |
| Hylidae | *Hypsiboas* | *geographicus* | Arboreal | Yes | Aquatic | lentic/lotic | widely distributed | nocturnal | arboreal | Rainy | medium |
| Hylidae | *Hypsiboas* | *lanciformis* | Arboreal | No | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | medium |
| Hylidae | *Hypsiboas* | *punctatus* | Arboreal | No | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | medium |

Table 6 continued

| Family | Genus | Species | Habitat preference | Riparian | Reproductive type | Aquatic reproductive type | Known distribution in Amazonia | Activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Hypsiboas* | *raniceps* | Arboreal | No | Aquatic | lentic/lotic | widely distributed | nocturnal | arboreal | Dry | medium |
| Hylidae | *Hypsiboas* | *wavrini* | Arboreal | Yes | Aquatic | lotic | widely distributed | nocturnal | arboreal | Dry | large |
| Hylidae | *Lysapsus* | *laevis* | Aquatic | Yes | Aquatic | lotic | north/central of the Amazon River | cathemeral | aquatic | Rainy | small |
| Hylidae | *Osteocephalus* | *oophagus* | Arboreal | No | Aquatic | arboreal | north Amazonia | nocturnal | arboreal | Dry | small |
| Hylidae | *Osteocephalus* | *taurinus* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | large |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Dry | small |
| Hylidae | *Phyllomedusa* | *vaillantii* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Dry | medium |
| Hylidae | *Scinax* | *boesemani* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | small |
| Hylidae | *Scinax* | *garbei* | Arboreal | Yes | Aquatic | lentic | widely distributed | nocturnal | arboreal | Even | small |

Table 6 continued

| Family | Genus | Species | Habitat preference | Riparian | Reproductive type | Aquatic reproductive type | Known distribution in Amazonia | Activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Scinax* | *nebulosus* | Arboreal | No | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | medium |
| Hylidae | *Scinax* | *ruber* | Arboreal | No | Aquatic | lentic | widely distributed | nocturnal | arboreal | Rainy | small |
| Hylidae | *Trachycephalus* | *resinifictrix* | Arboreal | No | Aquatic | arboreal | widely distributed | nocturnal | arboreal | Rainy | medium |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | Terrestrial | No | Terrestrial | terrestrial | widely distributed | cathemeral | terrestrial | Rainy | small |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | Terrestrial | No | Aquatic | lentic | widely distributed | nocturnal | aquatic | Rainy | medium |
| Leptodactylidae | *Leptodactylus* | *knudseni* | Terrestrial | Yes | Aquatic | lentic | western Amazonia | nocturnal | terrestrial | Rainy | large |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Terrestrial | Yes | Aquatic | lentic | widely distributed | nocturnal | terrestrial | Rainy | small |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Terrestrial | Yes | Aquatic | lentic | eastern Amazonia | nocturnal | terrestrial | Rainy | large |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Terrestrial | No | Terrestrial | terrestrial | widely distributed | nocturnal | terrestrial | Rainy | large |

Table 6 continued

| Family | Genus | Species | Habitat preference | Riparian | Reproductive type | Aquatic reproductive type | Known distribution in Amazonia | Activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *petersii* | Terrestrial | Yes | Aquatic | lentic | widely distributed | nocturnal | terrestrial | Dry | Small |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Terrestrial | Yes | Aquatic | lentic | widely distributed | nocturnal | terrestrial | Rainy | medium |
| Leptodactylidae | *Lithodytes* | *lineatus* | Terrestrial | Yes | Aquatic | lentic | widely distributed | nocturnal | terrestrial | Even | medium |
| Leptodactylidae | *Physalaemus* | *ephippifer* | Fossorial | Yes | Aquatic | lentic | eastern Amazonia | nocturnal | terrestrial | Rainy | small |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | Terrestrial | No | Terrestrial | terrestrial | widely distributed south of Amazonia | nocturnal | fossorial | Rainy | small |
| Microhylidae | *Chiasmocleis* | *hudsoni* | Fossorial | Yes | Aquatic | lentic | widely distributed | nocturnal | fossorial | Rainy | small |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | Terrestrial | Yes | Aquatic | lentic | widely distributed | cathemeral | fossorial | Dry | small |
| Microhylidae | *Ctenophryne* | *geayi* | Fossorial | Yes | Aquatic | lentic | widely distributed | nocturnal | fossorial | Rainy | medium |

Table 6 continued

| Family | Genus | Species | Habitat preference | Riparian | Reproductive type | Aquatic reproductive type | Known distribution in Amazonia | Activity period | Micro-habitat | Season collected | Body size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Microhylidae | *Hamptophryne* | *boliviana* | Terrestrial | Yes | Aquatic | lentic | widely distributed | nocturnal | fossorial | Rainy | small |
| Pipidae | *Pipa* | *pipa* | Aquatic | Yes | Aquatic | lotic | widely distributed | nocturnal | aquatic | Dry | large |
| Ranidae | *Lithobates* | *palmipes* | Terrestrial | No | Aquatic | lentic/lotic | widely distributed | nocturnal | terrestrial | Rainy | medium |

Table 7. Number of species collected in Caxiuanã for each category.

| Categories | Number of species |
|---|---|
| **Habitat preference** | |
| Terrestrial | **23** |
| Arboreal | **20** |
| Aquatic | **2** |
| Fossorial | **3** |
| **Microhabitat** | |
| Terrestrial | **18** |
| Arboreal | **22** |
| Aquatic | **3** |
| Fossorial | **5** |
| **Riparian** | |
| Riparian | **25** |
| Non-Riparian | **23** |
| **Reproductive type** | |
| Terrestrial | **5** |
| Aquatic | **43** |
| **Aquatic reproductive type** | |
| Lentic | **31** |
| Lentic/lotic | **6** |
| Lotic | **3** |
| Arboreal | **3** |
| Terrestrial | **5** |
| **Known distribution in Amazonia** | |
| Widely distributed | **35** |
| Central Amazonia | **1** |
| Southern Amazonia | **1** |
| Northern Amazonia | **1** |
| North/Central of Amazon River | **1** |
| Eastern Amazonia | **4** |
| Western Amazonia | **1** |

Table 7 continued

| Categories | Number of species |
|---|---|
| Western and Central Amazonia | **1** |
| Disjunct distribution | **1** |
| Unknown | **2** |
| **Activity period** | |
| Nocturnal | **39** |
| Diurnal | **6** |
| Cathemeral | **3** |
| **Season collected** | |
| Dry | **12** |
| Rainy | **3** |
| Even | **33** |
| **Body size** | |
| Small | **26** |
| Medium | **14** |
| Large | **8** |

### 3.2.Taxonomic issues

During the processing of the raw data, there were several taxonomic issues. Eight individuals were caecilians and therefore removed from the analyses. Six individuals had no data recorded for species and were also removed. Other issues related to taxonomic name changes. For example, *Allobates marchesianus* was changed to *Allobates sp*. *Vitreorana oyampiensis* is now classified as *Vitreorana ritae. Lysapsus limellum* is now classified as *Lysapsus laevis*. *Eleutherodactylus sp.* was changed to *Pristimantis fenestratus*. *Leptodactylus labyrinthicus* was changed to *Leptodactylus paraensis. Leptodactylus wagneri* was changed to *Leptodactylus petersii. Chiasmocleis jimi* is now known as *Chiasmocleis hudsoni*. Furthermore, multiple species are now classed as a single species. For example, *Rhinella castaneotica* and *Rhinella gr. margaritifera* are now listed as *Rhinella magnussoni*. *Ranitomeya quinquevittatus* and *Ranitomeya ventrimaculata* were changed to *Rhinella amazonica. Dendropsophus microcephalus* and *Dendropsophus misera* were changed to

*Dendropsophus minusculus. Scinax rostratus* was merged with *Scinax nebulosus*. Nine species were only identified to genus level, eight of which were removed from analysis due to taxonomic confusion among authors. *Allobates sp.* remained in the analysis because there is less confusion to this species across the literature. All taxonomic changes were reviewed by Ulisses Galatti and Marinus S. Hoogmoed and are shown in Table 8. After the first initial data processing, such as removing samples with insufficient data and obvious taxonomic issues, the overall total number of individuals was 2620 (reduced from 2694) and the total of species was 50 (reduced from 74). Two key species that were removed from the analysis were *Adenomera andreae,* the fourth most abundant species (*n* = 281), and *Adenomera sp. 1* which was most abundant species (*n* = 503) during this initial reduction. These species are commonly reported (Avila-Pires & Hoogmoed, 1997; Menin, Waldez & Lima, 2008; Deichmann et al., 2010; Ribeiro, Lima & Magnusson, 2012; Rojas-Ahumada et al., 2012; Fouquet et al., 2014; Dias-Terceiro et al., 2015; Moraes et al., 2016). However, after consulting with Dr Ulisses Galatti and Dr Marinus S. Hoogmoed, it was decided that due to the complex taxonomy and similar morphology of this genus (Angulo, Cocroft & Reichle, 2003) it is likely that many of these individuals were misidentified. As the only Adenomera individual reliably determined to species level, *A. hylaedactyla* was decided to be kept within the data analysis. This decision was based on that the individual was collected by Dr José A. R. Bernardi and Dr Reginaldo A. T. Rocha, experts within in this field who are skilled in the identification of anuran species in this area and who collected many of the individuals input into the database. This decision was also reviewed by Dr Marinus S. Hoogmoed.

Table 8. The original list of species from database and corrections made to those species.

| Family | Genus | Species | Taxonomy notes |
|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | Correct |
| Aromobatidae | *Allobates* | *marchesianus* | Changed to *Allobates sp*. |
| Aromobatidae | *Colostethus* | | Changed to *Allobates sp*. |
| Bufonidae | *Amazophrynella* | *bokermanni* | Correct |
| Bufonidae | *Amazophrynella* | *minuta* | Changed to *Amazophrynella bokermanni* |
| Bufonidae | *Bufo* | | Excluded |
| Bufonidae | *Rhinella* | *castaneotica* | Changed to *Rhinella magnussoni* |
| Bufonidae | *Rhinella* | *gr. margaritifera* | Changed to *Rhinella magnussoni* |
| Bufonidae | *Rhinella* | *magnussoni* | Correct |
| Bufonidae | *Rhinella* | *margaritifera* | Changed to *Rhinella magnussoni* |
| Bufonidae | *Rhinella* | *marina* | Correct |
| Centrolenidae | *Vitreorana* | *oyampiensis* | Changed to *Vitreoeana ritae* |
| Ceratophryidae | *Ceratophrys* | *cornuta* | Correct |
| Craugastoridae | *Eleutherodactylus* | *sp.* | Changed to *Pristimantis fenestratus* |
| Craugastoridae | *Pristimantis* | *fenestratus* | Correct |

Table 8 continued

| Family | Genus | Species | Taxonomy notes |
|---|---|---|---|
| Dendrobatidae | *Adelphobates* | *quinquevittatus* | Changed to *Rhinella amazonica* |
| Dendrobatidae | *Dendrobates* | *sp.* | Excluded |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Correct |
| Dendrobatidae | *Ranitomeya* | *ventrimaculata* | Changed to *R. amazonica* |
| Eleutherodactylidae | *Eleutherodactylus* | *sp.* | Excluded |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Correct |
| Hylidae | *Dendropsophus* | *melanargyreus* | Correct |
| Hylidae | *Dendropsophus* | *microcephalus* | Changed to *Dendropsophus minusculus* |
| Hylidae | *Dendropsophus* | *minutus* | Correct |
| Hylidae | *Dendropsophus* | *misera* | Changed to *Dendropsophus minusculus* |
| Hylidae | *Dendropsophus* | *sarayacuensis* | Excluded |
| Hylidae | *Hypsiboas* | *boans* | Correct |
| Hylidae | *Hypsiboas* | *cinerascens* | Correct |
| Hylidae | *Hypsiboas* | *geographicus* | Correct |
| Hylidae | *Hypsiboas* | *lanciformis* | Correct |
| Hylidae | *Hypsiboas* | *punctatus* | Correct |
| Hylidae | *Hypsiboas* | *raniceps* | Correct |
| Hylidae | *Hypsiboas* | *wavrini* | Correct |
| Hylidae | *Lysapsus* | *limellum* | Changed to *Lysapsus laevis* |
| Hylidae | *Osteocephalus* | *sp.* | Excluded |
| Hylidae | *Osteocephalus* | *oophagus* | Correct |
| Hylidae | *Osteocephalus* | *taurinus* | Correct |

Table 8 continued

| Family | Genus | Species | Taxonomy notes |
|---|---|---|---|
| Hylidae | *Phyllomedusa* | *hypochondrialis* | Correct |
| Hylidae | *Phyllomedusa* | *vaillanti* | Correct |
| Hylidae | *Scinax* | *boesemani* | Correct |
| Hylidae | *Scinax* | *garbei* | Correct |
| Hylidae | *Scinax* | *nebulosus* | Correct |
| Hylidae | *Scinax* | *nebulsa* | Changed to *Scinax nebulosus* |
| Hylidae | *Scinax* | *rostratus* | Changed to *Scinax nebulosus* |
| Hylidae | *Scinax* | *ruber* | Correct |
| Hylidae | *Scinax* | *x-signatus* | Changed to *Scinax ruber* |
| Hylidae | *Trachycephalus* | *resinifictrix* | Correct |
| Leptodactylidae | *Adenomera* | *andreae* | Excluded |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | Correct |
| Leptodactylidae | *Adenomera* | *sp. 1* | Excluded |
| Leptodactylidae | *Adenomera* | *sp.2* | Excluded |
| Leptodactylidae | *Eleutherodactylus* | *sp.* | Changed to *Pristimantis fenestratus* |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | Correct |
| Leptodactylidae | *Leptodactylus* | *knudseni* | Correct |
| Leptodactylidae | *Leptodactylus* | *labyrinthicus* | Changed to *Leptodactylus paraensis* |
| Leptodactylidae | *Leptodactylus* | *melanotus* | Excluded |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Correct |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Correct |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Correct |

Table 8 continued

| Family | Genus | Species | Taxonomy notes |
|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Correct |
| Leptodactylidae | *Leptodactylus* | *wagneri* | Changed to *Leptodactylus petersii* |
| Leptodactylidae | *Lithodytes* | *lineatus* | Correct |
| Leptodactylidae | *Physalaemus* | *ephippifer* | Correct |
| Microhylidae | *Chiasmocleis* | *sp.* | Excluded |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | Correct |
| Microhylidae | *Chiasmocleis* | *bassleri* | Correct |
| Microhylidae | *Chiasmocleis* | *jimi* | Changed to *Chiasmocleis hudsoni* |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | Excluded |
| Microhylidae | *Ctenophryne* | *geayi* | Correct |
| Microhylidae | *Hamptophryne* | *boliviana* | Correct |
| Pipidae | *Pipa* | *pipa* | Correct |
| Ranidae | *Lithobates* | *palmipes* | Correct |

### 3.3.Assemblages across all studied areas combined

The distribution for the collected anuran individuals is shown in Figure 7. There was a distinct dominance among the species collected in Caxiuanã (Table 9, Figure 8), with four species (*R. magnussoni*, 24.92%; *Amazophrynella bokermanni*, 18.66%; *A. galactonus*, 7.56%; *Hamptophryne boliviana*, 6.31%) accounting for 57.45% of the total abundance of individuals while the remaining 44 species accounted for 42.55%. Using the Simpsons diversity index (Figure 4), the overall diversity of Caxiuanã was 1-*D* = 0.88 (see Appendix 6 for equations used). This indicates that Caxiuanã has a high overall diversity.

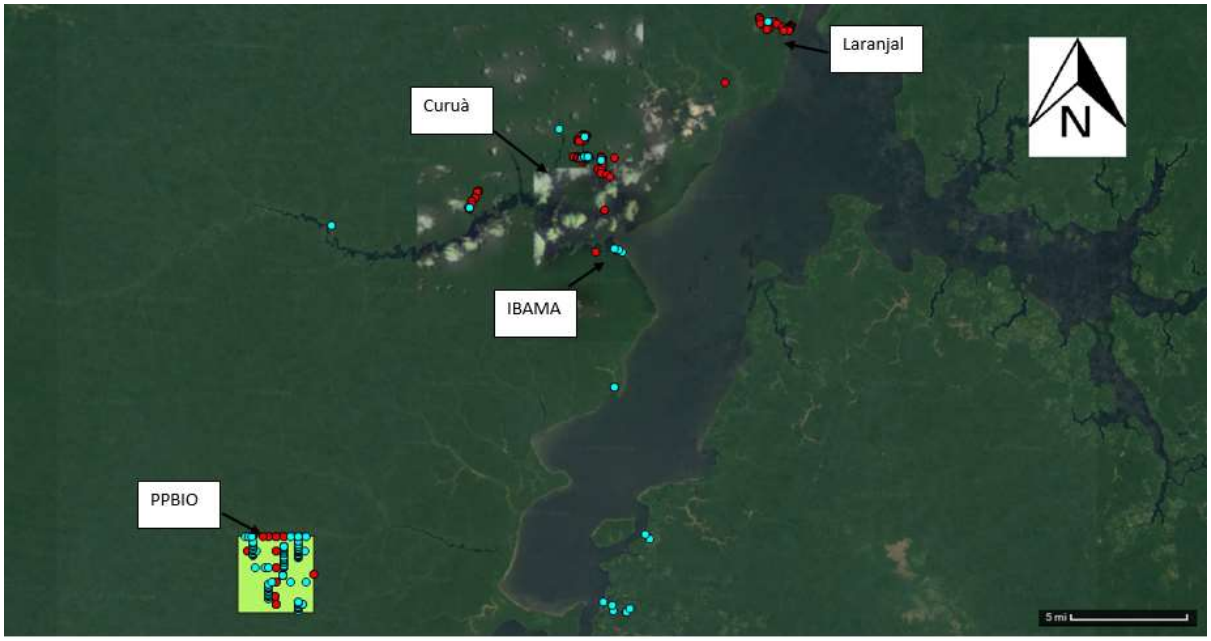


Figure 7. Locations of all individuals sampled with sufficient data provided. Blue points represent correct coordinates, red points represent estimated coordinates, both based from GPS data.

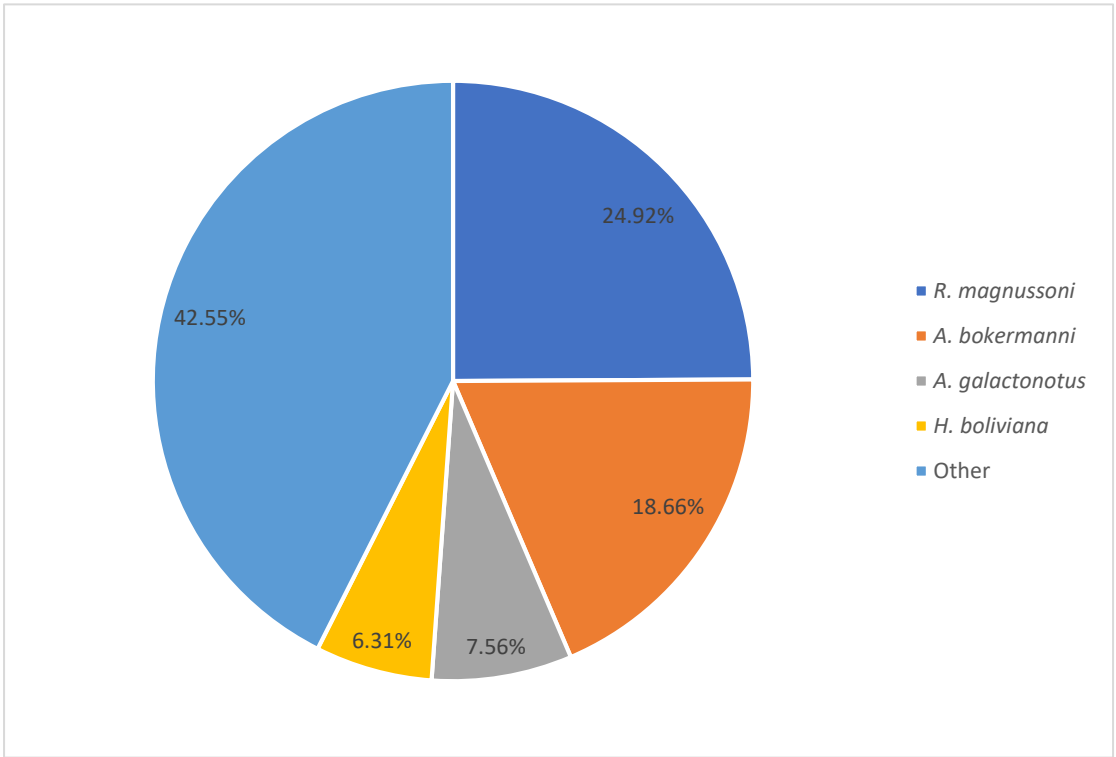


Figure 8 – Total percentage of the four most common species when compared to the other 44 species.

Table 9. Rank order of all the species collected.

| **Family** | **Genus** | **Species** | **Individual total** | **Relative abundance (%)** |
|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | 458 | 24.92% |
| Bufonidae | *Amazophrynella* | *bokermanni* | 343 | 18.66% |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 139 | 7.56% |
| Microhylidae | *Hamptophryne* | *boliviana* | 116 | 6.31% |
| Leptodactylidae | *Leptodactylus* | *paraensis* | 75 | 4.08% |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | 72 | 3.92% |
| Craugastoridae | *Pristimantis* | *fenestratus* | 69 | 3.75% |
| Aromobatidae | *Allobates* | *sp.* | 59 | 3.21% |
| Aromobatidae | *Allobates* | *femoralis* | 52 | 2.83% |
| Microhylidae | *Ctenophryne* | *geayi* | 52 | 2.83% |
| Ceratophryidae | *Ceratophrys* | *cornuta* | 37 | 2.01% |
| Leptodactylidae | *Leptodactylus* | *petersii* | 31 | 1.69% |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 26 | 1.41% |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 26 | 1.41% |
| Dendrobatidae | *Ranitomeya* | *amazonica* | 24 | 1.31% |
| Hylidae | *Scinax* | *nebulosus* | 23 | 1.25% |
| Hylidae | *Scinax* | *ruber* | 23 | 1.25% |
| Hylidae | *Hypsiboas* | *wavrini* | 20 | 1.09% |
| Hylidae | *Dendropsophus* | *minusculus* | 18 | 0.98% |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | 17 | 0.92% |
| Bufonidae | *Rhinella* | *marina* | 16 | 0.87% |
| Hylidae | *Lysapsus* | *laevis* | 14 | 0.76% |
| Hylidae | *Osteocephalus* | *taurinus* | 13 | 0.71% |
| Pipidae | *Pipa* | *pipa* | 12 | 0.65% |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 11 | 0.60% |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 0.54% |
| Hylidae | *Scinax* | *boesemani* | 10 | 0.54% |
| Hylidae | *Phyllomedusa* | *vaillantii* | 9 | 0.49% |
| Ranidae | *Lithobates* | *palmipes* | 9 | 0.49% |
| Hylidae | *Osteocephalus* | *oophagus* | 8 | 0.44% |

Table 9 continued

| Family | Genus | Species | Individual total | Relative abundance (%) |
|---|---|---|---|---|
| Hylidae | *Hypsiboas* | *geographicus* | 7 | 0.38% |
| Leptodactylidae | *Leptodactylus* | *knudseni* | 6 | 0.33% |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 5 | 0.27% |
| Hylidae | *Dendropsophus* | *melanargyreus* | 4 | 0.22% |
| Hylidae | *Scinax* | *garbei* | 4 | 0.22% |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 0.16% |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 3 | 0.16% |
| Hylidae | *Hypsiboas* | *boans* | 2 | 0.11% |
| Hylidae | *Hypsiboas* | *lanciformis* | 2 | 0.11% |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 0.11% |
| Centrolenidae | *Vitreorana* | *ritae* | 1 | 0.05% |
| Hylidae | *Hypsiboas* | *punctatus* | 1 | 0.05% |
| Hylidae | *Hypsiboas* | *raniceps* | 1 | 0.05% |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 1 | 0.05% |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0.05% |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0.05% |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 1 | 0.05% |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 1 | 0.05% |
| | | **Total individuals** | **1838** | **100.00%** |
| | | **Total species** | **48** | |

Using the PAST software to calculate the diversity indices of all species and individuals from the data (Table 10), the same Simpsons diversity index results were found; Simpson_1-*D* depicts the inverse Simpson diversity. Figure 9 demonstrates that an asymptote has not been reached for observed species, with Chao 1 suggesting that increased sampling of anurans in Caxiuanã is needed to thoroughly assess the species richness in the area.

Table 10. Relative abundance diversity indices

| | Relative abundance | Lower | Upper |
|---|---|---|---|
| **Simpson_1-D** | 0.8777 | 0.8837 | 0.9458 |
| **Fisher_alpha** | 35.86 | 13.52 | 30.53 |
| **Chao-1** | 47 | 53.38 | 282 |

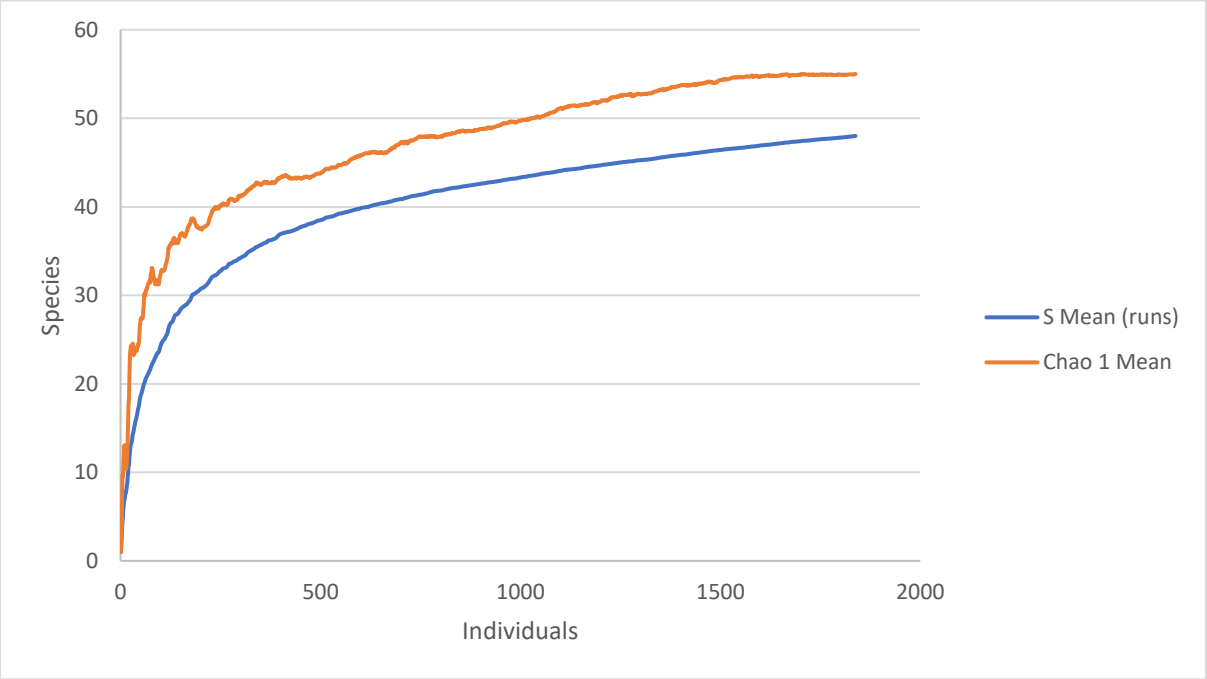


Figure 9. Individual-based rarefaction graph for all individuals collected in Caxiuanã. The blue line represents the overall species sampled while the orange shows the species richness. Values: S Mean (runs): 48; Chao 1: 55.

The distance from major water bodies from all individuals (*n*=1737, 51 data deficient), demonstrates that there are two main distances from water, close (<3 m) and far (>12 m) (figure 10). Those 'close' mostly relate to Curuá, Laranjal and IBAMA as they are proximate to the Caxiuanã River and the Caxiuanã bay in relation to Laranjal. While those 'far' are entirely consisting of individuals collected from PPBIO which has a few streams but no major water bodies.

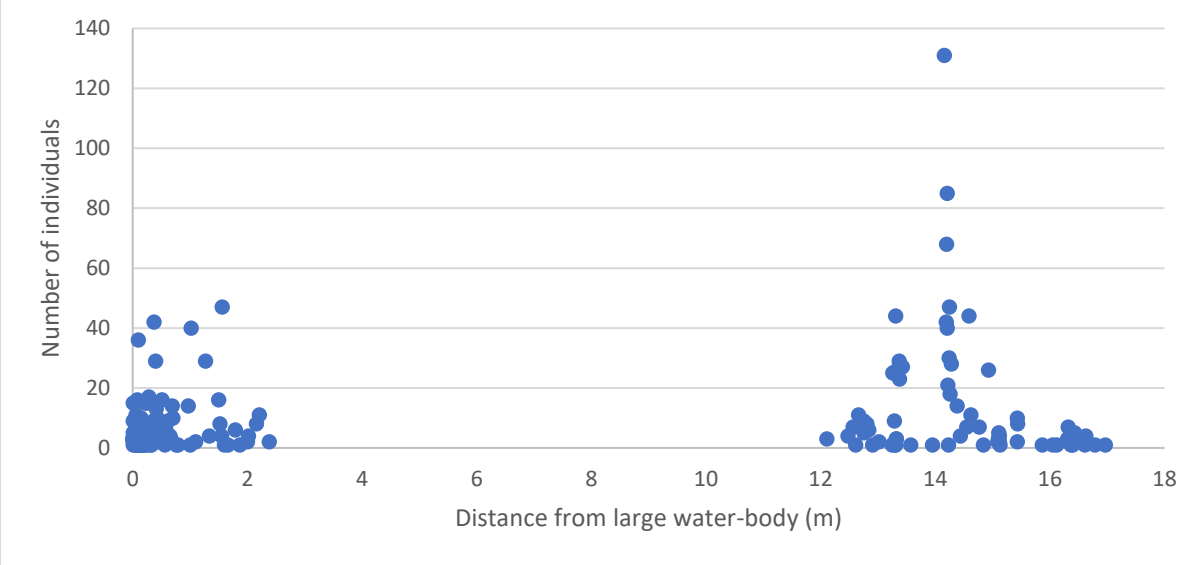


Figure 10. Distribution of individuals in relation to their proximity to large waterbodies.

### 3.4.River communities

There was a marked difference in species richness and abundance between north and south of the Caxiuanã River (Table 11). Overall abundance of individuals for both communities was 1825 individuals across 48 species. The three most abundance species north of the Caxiuanã River are *A. bokermanni* (*n* = 243), *R. magnussoni* (*n* = 119), and *A. galactonus* (*n* = 68). The three most abundant species south of the Caxiuanã River are *R. magnussoni* (*n* = 338), *H. boliviana* (*n* = 116), and *A. bokermanni* (*n* = 97). Fifteen species were only collected in northern Caxiuanã and nine were only collected in southern Caxiuanã (Table 12). Most notably *H. boliviana* was the second most abundant species collected south of the river, although no individuals were collected in northern Caxiuanã.

Table 11. The total number of species, individuals, relative abundance percentages for northern and southern Caxiuanã communities (relative to overall totals of each community) and relative abundance percentages for both communities. Genus level data are followed by species level data.

| **Species** | **North of Caxiuanã river** | **Northern relative abundance (%)** | **Community relative abundance (%)** | **South of Caxiuanã river** | **Southern relative abundance (%)** | **Community relative abundance (%)** | **Overall total individuals** | **Overall total relative abundance (%)** |
|---|---|---|---|---|---|---|---|---|
| Aromobatidae | 33 | 4.48 | 1.81 | 78 | 7.16 | 4.27 | 111 | 6.08 |
| ***Allobates*** | 33 | 4.48 | 1.81 | 78 | 7.16 | 4.27 | 111 | 6.08 |
| ***A. femoralis*** | 19 | 2.58 | 1.04 | 33 | 3.03 | 1.81 | 52 | 2.85 |
| ***A. sp.*** | 14 | 1.90 | 0.77 | 45 | 4.13 | 2.47 | 59 | 3.23 |
| *Bufonidae* | 370 | 50.27 | 20.27 | 442 | 40.59 | 24.22 | 812 | 44.49 |
| ***Amazophrynella*** | 243 | 33.02 | 13.32 | 97 | 8.91 | 5.32 | 340 | 18.63 |
| ***A. bokermanni*** | 243 | 33.02 | 13.32 | 97 | 8.91 | 5.32 | 340 | 18.63 |
| ***Rhinella*** | 127 | 17.26 | 6.96 | 345 | 31.68 | 18.90 | 472 | 25.86 |
| ***R. magnussoni*** | 119 | 16.17 | 6.52 | 338 | 31.04 | 18.52 | 457 | 25.04 |
| ***R. marina*** | 8 | 1.09 | 0.44 | 7 | 0.64 | 0.38 | 15 | 0.82 |
| Centrolenidae | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |
| ***Vitreorana*** | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |
| ***V. ritae*** | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |

Table 11 continued

| Species | North of Caxiuanã river | Northern relative abundance (%) | Community relative abundance (%) | South of Caxiuanã river | Southern relative abundance (%) | Community relative abundance (%) | Overall total individuals | Overall total relative abundance (%) |
|---|---|---|---|---|---|---|---|---|
| ***Ceratophrys*** | 1 | 0.14 | 0.05 | 34 | 3.12 | 1.86 | 35 | 1.92 |
| ***C. cornuta*** | 1 | 0.14 | 0.05 | 34 | 3.12 | 1.86 | 35 | 1.92 |
| Craugastoridae | 28 | 3.80 | 1.53 | 41 | 3.76 | 2.25 | 69 | 3.78 |
| ***Pristimantis*** | 28 | 3.80 | 1.53 | 41 | 3.76 | 2.25 | 69 | 3.78 |
| ***P. fenestratus*** | 28 | 3.80 | 1.53 | 41 | 3.76 | 2.25 | 69 | 3.78 |
| Dendrobatidae | 77 | 10.46 | 4.22 | 81 | 7.44 | 4.44 | 158 | 8.66 |
| ***Adelphobates*** | 68 | 9.24 | 3.73 | 67 | 6.15 | 3.67 | 135 | 7.40 |
| ***A. galactonotus*** | 68 | 9.24 | 3.73 | 67 | 6.15 | 3.67 | 135 | 7.40 |
| ***Ranitomeya*** | 9 | 1.22 | 0.49 | 14 | 1.29 | 0.77 | 23 | 1.26 |
| ***R. amazonica*** | 9 | 1.22 | 0.49 | 14 | 1.29 | 0.77 | 23 | 1.26 |
| Hylidae | 131 | 17.80 | 7.18 | 47 | 4.32 | 2.58 | 185 | 10.14 |
| ***Dendropsophus*** | 20 | 2.72 | 1.10 | 16 | 1.47 | 0.88 | 36 | 1.97 |
| ***D. leucophyllatus*** | 11 | 1.49 | 0.60 | 0 | 0.00 | 0.00 | 11 | 0.60 |
| ***D. melanargyreus*** | 4 | 0.54 | 0.22 | 0 | 0.00 | 0.00 | 4 | 0.22 |
| ***D. minusculus*** | 2 | 0.27 | 0.11 | 16 | 1.47 | 0.88 | 18 | 0.99 |
| ***D. minutus*** | 3 | 0.41 | 0.16 | 0 | 0.00 | 0.00 | 3 | 0.16 |
| ***Hypsiboas*** | 36 | 4.89 | 1.97 | 7 | 0.64 | 0.38 | 43 | 2.36 |

Table 11 continued

| Species | North of Caxiuanã river | Northern relative abundance (%) | Community relative abundance (%) | South of Caxiuanã river | Southern relative abundance (%) | Community relative abundance (%) | Overall total individuals | Overall total relative abundance (%) |
|---|---|---|---|---|---|---|---|---|
| ***H. boans*** | 0 | 0.00 | 0.00 | 2 | 0.18 | 0.11 | 2 | 0.11 |
| ***H. cinerascens*** | 10 | 1.36 | 0.55 | 0 | 0.00 | 0.00 | 10 | 0.55 |
| ***H. geographicus*** | 3 | 0.41 | 0.16 | 4 | 0.37 | 0.22 | 7 | 0.38 |
| ***H. lanciformis*** | 2 | 0.27 | 0.11 | 0 | 0.00 | 0.00 | 2 | 0.11 |
| ***H. punctatus*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***H. raniceps*** | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |
| ***H. wavrini*** | 20 | 2.72 | 1.10 | 0 | 0.00 | 0.00 | 20 | 1.10 |
| ***Lysapsus*** | 14 | 1.90 | 0.77 | 0 | 0.00 | 0.00 | 14 | 0.77 |
| ***L. laevis*** | 14 | 1.90 | 0.77 | 0 | 0.00 | 0.00 | 14 | 0.77 |
| ***Osteocephalus*** | 8 | 1.09 | 0.44 | 6 | 0.55 | 0.33 | 21 | 1.15 |
| ***O. oophagus*** | 2 | 0.27 | 0.11 | 6 | 0.55 | 0.33 | 8 | 0.44 |
| ***O. taurinus*** | 6 | 0.82 | 0.33 | 7 | 0.64 | 0.38 | 13 | 0.71 |
| ***Phyllomedusa*** | 8 | 1.09 | 0.44 | 2 | 0.18 | 0.11 | 10 | 0.55 |
| ***P. hypochondrialis*** | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |
| ***P. vaillantii*** | 8 | 1.09 | 0.44 | 1 | 0.09 | 0.05 | 9 | 0.49 |
| ***Scinax*** | 44 | 5.98 | 2.41 | 16 | 1.47 | 0.88 | 60 | 3.29 |

Table 11 continued

| Species | North of Caxiuanã river | Northern relative abundance (%) | Community relative abundance (%) | South of Caxiuanã river | Southern relative abundance (%) | Community relative abundance (%) | Overall total individuals | Overall total relative abundance (%) |
|---|---|---|---|---|---|---|---|---|
| ***S. boesemani*** | 10 | 1.36 | 0.55 | 0 | 0.00 | 0.00 | 10 | 0.55 |
| ***S. garbei*** | 4 | 0.54 | 0.22 | 0 | 0.00 | 0.00 | 4 | 0.22 |
| ***S. nebulosus*** | 8 | 1.09 | 0.44 | 15 | 1.38 | 0.82 | 23 | 1.26 |
| ***S. ruber*** | 22 | 2.99 | 1.21 | 1 | 0.09 | 0.05 | 23 | 1.26 |
| ***Trachycephalus*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***T. resinifictrix*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| Leptodactylidae | 70 | 9.51 | 3.84 | 186 | 17.08 | 10.19 | 256 | 14.03 |
| ***Adenomera*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***A. hylaedactyla*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***Hydrolaetare*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***H. schmidti*** | 1 | 0.14 | 0.05 | 0 | 0.00 | 0.00 | 1 | 0.05 |
| ***Leptodactylus*** | 66 | 8.97 | 3.62 | 160 | 14.69 | 8.77 | 226 | 12.38 |
| ***L. knudseni*** | 3 | 0.41 | 0.16 | 3 | 0.28 | 0.16 | 6 | 0.33 |
| ***L. mystaceus*** | 6 | 0.82 | 0.33 | 66 | 6.06 | 3.62 | 72 | 3.95 |
| ***L. paraensis*** | 17 | 2.31 | 0.93 | 58 | 5.33 | 3.18 | 75 | 4.11 |
| ***L. pentadactylus*** | 10 | 1.36 | 0.55 | 15 | 1.38 | 0.82 | 25 | 1.37 |

Table 11 continued

| Species | North of Caxiuanã river | Northern relative abundance (%) | Community relative abundance (%) | South of Caxiuanã river | Southern relative abundance (%) | Community relative abundance (%) | Overall total individuals | Overall total relative abundance (%) |
|---|---|---|---|---|---|---|---|---|
| ***L. petersii*** | 24 | 3.26 | 1.32 | 7 | 0.64 | 0.38 | 31 | 1.70 |
| ***L. rhodomystax*** | 6 | 0.82 | 0.33 | 11 | 1.01 | 0.60 | 17 | 0.93 |
| ***Lithodytes*** | 2 | 0.27 | 0.11 | 0 | 0.00 | 0.00 | 2 | 0.11 |
| ***L. lineatus*** | 2 | 0.27 | 0.11 | 0 | 0.00 | 0.00 | 2 | 0.11 |
| ***Physalaemus*** | 0 | 0.00 | 0.00 | 26 | 2.39 | 1.42 | 26 | 1.42 |
| ***P. ephippifer*** | 0 | 0.00 | 0.00 | 26 | 2.39 | 1.42 | 26 | 1.42 |
| Microhylidae | 7 | 0.95 | 0.38 | 9 | 0.83 | 0.49 | 177 | 9.70 |
| ***Chiasmocleis*** | 0 | 0.00 | 0.00 | 9 | 0.83 | 0.49 | 9 | 0.49 |
| ***C. avilapiresae*** | 0 | 0.00 | 0.00 | 5 | 0.46 | 0.27 | 5 | 0.27 |
| ***C. hudsoni*** | 0 | 0.00 | 0.00 | 3 | 0.28 | 0.16 | 3 | 0.16 |
| ***C. shudikarensis*** | 0 | 0.00 | 0.00 | 1 | 0.09 | 0.05 | 1 | 0.05 |
| ***Ctenophryne*** | 7 | 0.95 | 0.38 | 45 | 4.13 | 2.47 | 52 | 2.85 |
| ***C. geayi*** | 7 | 0.95 | 0.38 | 45 | 4.13 | 2.47 | 52 | 2.85 |
| ***Hamptophryne*** | 0 | 0.00 | 0.00 | 116 | 10.65 | 6.36 | 116 | 6.36 |
| ***H. boliviana*** | 0 | 0.00 | 0.00 | 116 | 10.65 | 6.36 | 116 | 6.36 |
| Pipidae | 10 | 1.36 | 0.55 | 2 | 0.18 | 0.11 | 12 | 0.66 |

Table 11 continued

| **Species** | **North of Caxiuanã river** | **Northern relative abundance (%)** | **Community relative abundance (%)** | **South of Caxiuanã river** | **Southern relative abundance (%)** | **Community relative abundance (%)** | **Overall total individuals** | **Overall total relative abundance (%)** |
|---|---|---|---|---|---|---|---|---|
| ***Pipa*** | 10 | 1.36 | 0.55 | 2 | 0.18 | 0.11 | 12 | 0.66 |
| ***P. pipa*** | 10 | 1.36 | 0.55 | 2 | 0.18 | 0.11 | 12 | 0.66 |
| Ranidae | 9 | 1.22 | 0.49 | 0 | 0.00 | 0.00 | 9 | 0.49 |
| ***Lithobates*** | 9 | 1.22 | 0.49 | 0 | 0.00 | 0.00 | 9 | 0.49 |
| ***L. palmipes*** | 9 | 1.22 | 0.49 | 0 | 0.00 | 0.00 | 9 | 0.49 |
| **Total individuals** | **736** | | | **1089** | | | **1825** | |
| **Overall total** | **1825** | | | | | | | |
| **Total relative abundance (%)** | **40.33** | | | **59.67** | | | | **100** |

Table 12. Species only collected on either side of Caxiuanã River.

| Family | Genus | Species | North of Caxiuanã River (individuals) | South of Caxiuanã River (individuals) |
|---|---|---|---|---|
| Centrolenidae | *Vitreorana* | *ritae* | 0 | 1 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 11 | 0 |
| Hylidae | *Dendropsophus* | *melanargyreus* | 4 | 0 |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 0 |
| Hylidae | *Hypsiboas* | *boans* | 0 | 2 |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 0 |
| Hylidae | *Hypsiboas* | *lanciformis* | 2 | 0 |
| Hylidae | *Hypsiboas* | *punctatus* | 1 | 0 |
| Hylidae | *Hypsiboas* | *raniceps* | 0 | 1 |
| Hylidae | *Hypsiboas* | *wavrini* | 20 | 0 |
| Hylidae | *Lysapsus* | *laevis* | 14 | 0 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 0 | 1 |
| Hylidae | *Scinax* | *boesemani* | 10 | 0 |
| Hylidae | *Scinax* | *garbei* | 4 | 0 |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 1 | 0 |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 0 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 0 | 26 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 0 | 5 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 0 | 3 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 0 | 1 |
| Microhylidae | *Hamptophryne* | *boliviana* | 0 | 116 |
| Ranidae | *Lithobates* | *palmipes* | 9 | 0 |
| **Total** | | | **15** | **9** |

Only one individual of Centrolenidae was recorded south of the river in PPBIO. Hylidae were more common north of the river (131 individuals, seven genera, 18 species) than south (48

individuals, four genera, ten species)**.** Leptodactylidae were more abundant south of the river (186 individuals across two genera and seven species) compared to north of the river, with fewer individuals but more species (70 individuals across five genera and nine species). Microhylidae were more common south (170 individuals two across genera, five species) than north of the river (seven individuals across one genus, one species). Ranidae were only found north of the Caxiuanã River (nine individuals, one genus, one species).

Overall abundance was higher south of Caxiuanã River compared to north, but more species were collected north than south (Figures 11 & 12). Diversity, as measured by Simpson's inverse diversity index, was 0.85 and 0.87 north and south of the Caxiuanã River, respectively (Table 13). However, when comparing Fisher's alpha index and Chao 1 north and south of the Caxiuanã River, diversity and richness was higher in the northern community than the southern community (Table 13). Furthermore, the northern community has a Chao 1 value of 41 compared to a value of 38 for the southern community (Figure 12). When the southern community was rarefied to the same individuals as the northern community (*n* = 736), the northern community still has greater overall observed species and species richness (Figure 12). However, when analysing the 95% confidence levels after rarefication the upper 95% confidence level for the southern community is slightly higher than the lower 95% confidence level of the northern community for observed species (Figure 13). The upper 95% confidence level for the Chao 1 means is higher for the southern community than the northern community and shows an increasing trend while the upper 95% confidence level shows a decreasing trend (Figure 14).

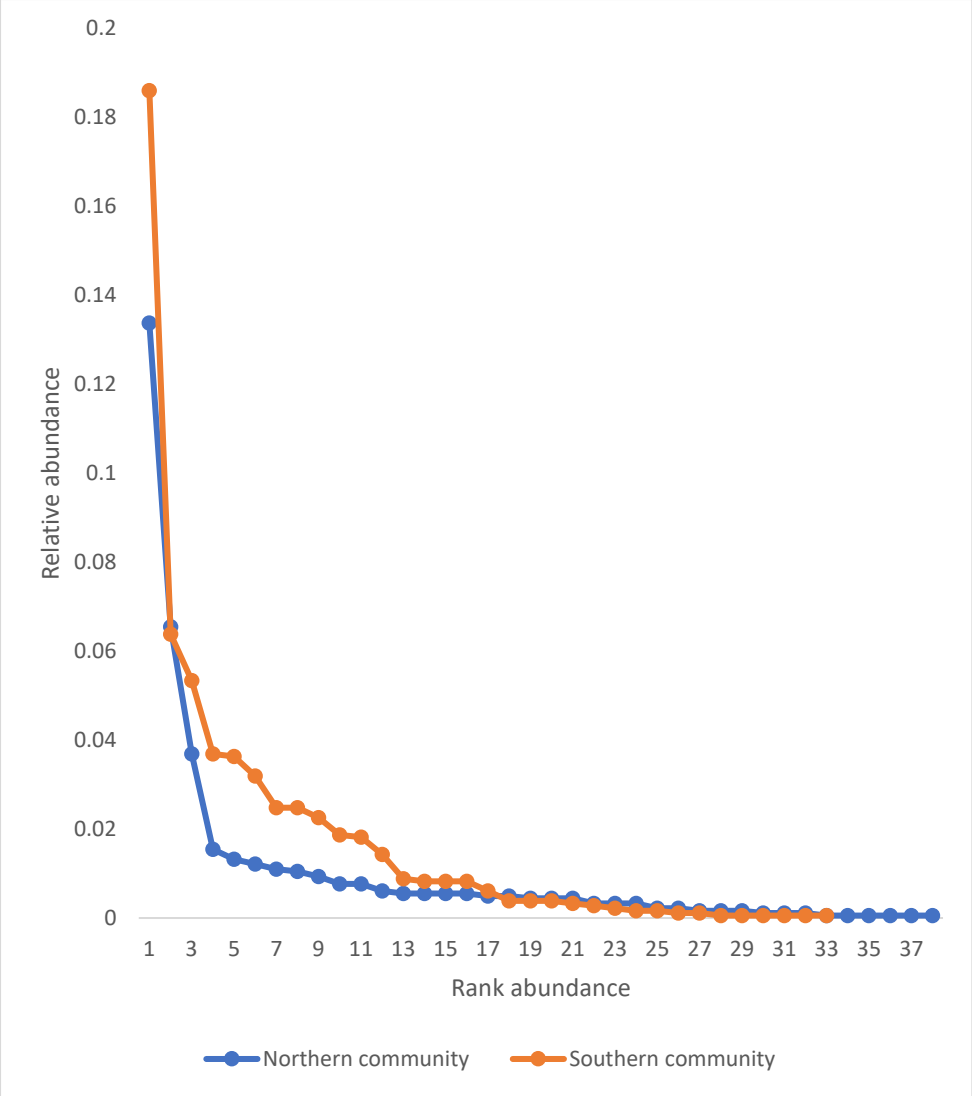


Figure 11. Rank abundance graph for communities either side of the Caxiuanã river

Table 13. Diversity indices north and south of Caxiuanã River. Lower and upper refer to 95% confidence levels.

| | **North of Caxiuanã river** | **Lower** | **Upper** | **South of Caxiuanã river** | **Lower** | **Upper** |
|---|---|---|---|---|---|---|
| **Simpson_1-D** | 0.848 | 0.8271 | 0.8657 | 0.8659 | 0.8507 | 0.8793 |
| **Fisher_alpha** | 8.787 | 8.787 | 8.787 | 6.42 | 6.42 | 6.42 |
| **Chao-1** | 41 | 39.13 | 51 | 38 | 33.14 | 47 |

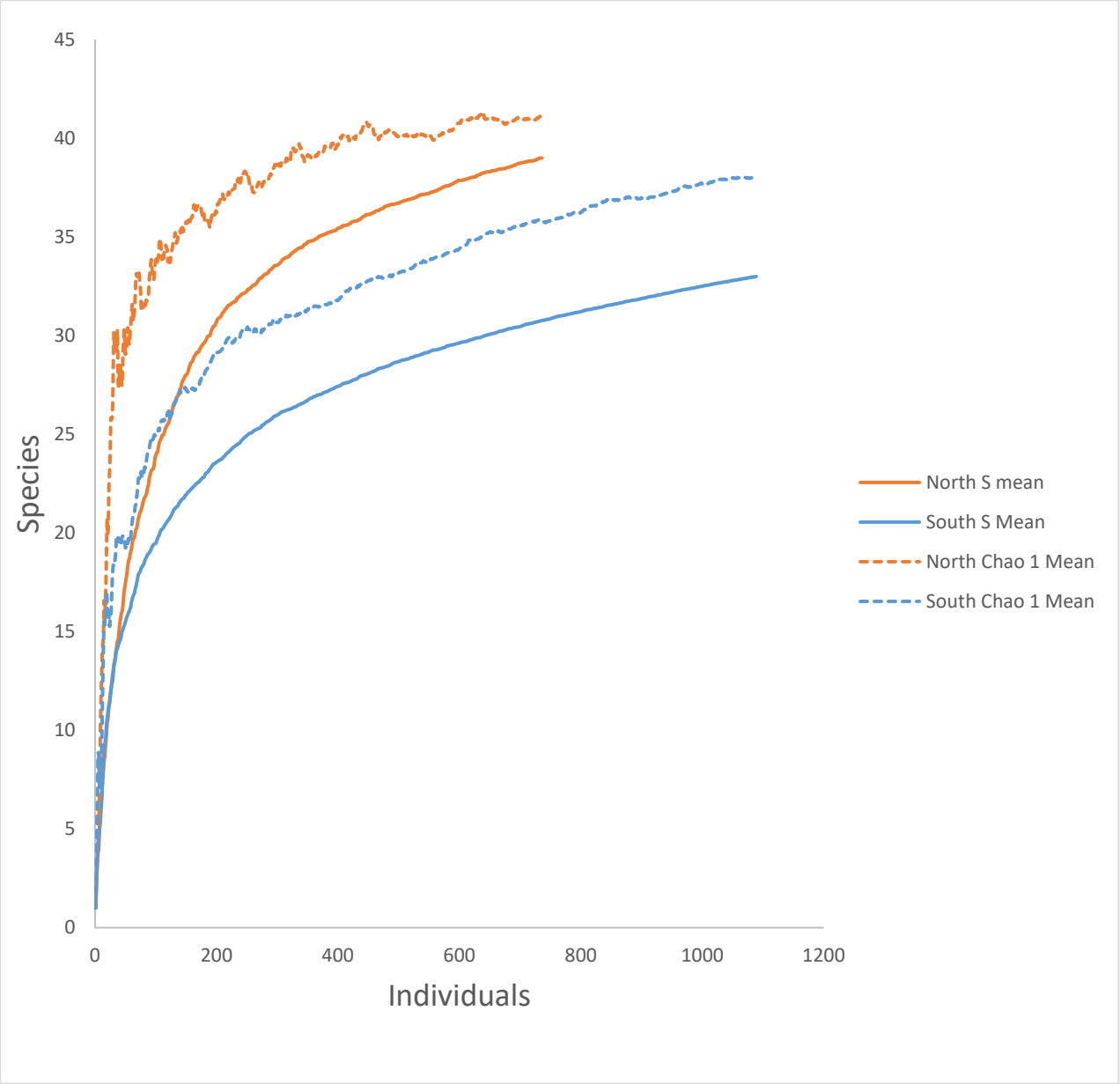


Figure 12. Observed species as defined by 'S Mean' and Chao 1 means for north and south of Caxiuanã River communities. Values: north – S mean = 39, Chao 1 = 41; south - S mean = 33, Chao 1 = 38

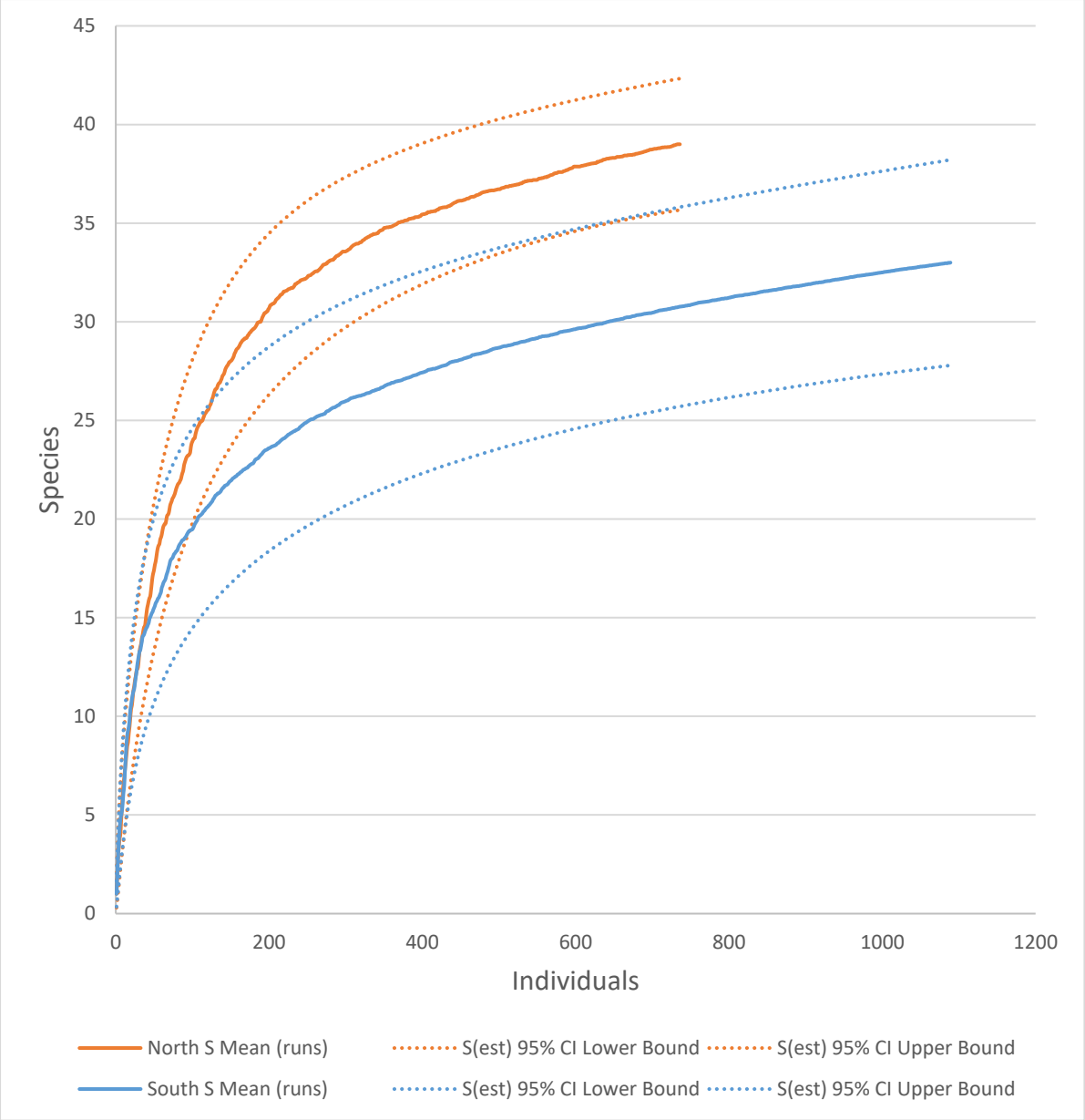


Figure 13. Numbers of species north and south of Caxiuanã River with 95% confidence levels.

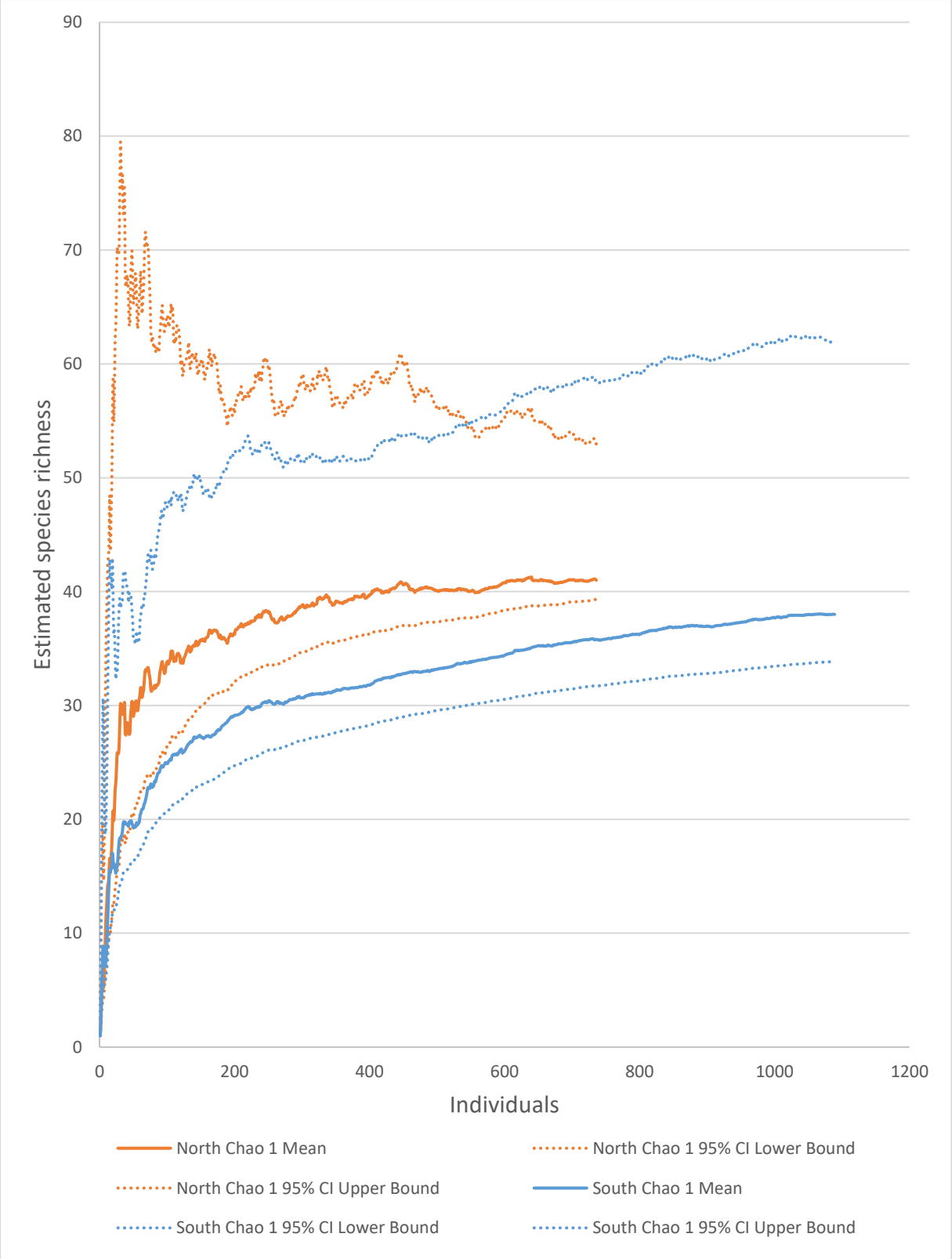


Figure 14. Species richness estimator Chao 1 for the northern and southern communities with 95% confidence levels.

### 3.5.Caxiuanã assemblages

The total abundance (*n* = 1809) and species richness (*n* = 48) for the four Caxiuanã assemblages are shown in Table 14. The three most abundant species for the assemblages were as follows: Curuá (northern assemblage) – *A. bokermanni* (*n* = 137), *R. magnussoni* (*n* = 103), and *A. galactonus* (*n* = 64). Laranjal (northern assemblage) – *R. magnussoni* (*n* = 106), *Rhinella marina* (*n* = 16), and *Scinax nebulosus* (*n* = 11) and *Hypsiboas cinerascens* (*n* = 11). PPBIO (southern assemblage) – *R. magnussoni* (*n* = 335), *H. boliviana* (*n* = 115), *A. bokermanni* (*n* = 97). IBAMA (southern assemblage) – *Dendropsophus melanargyreus* (*n* = 13), *Ceratophrys cornuta* (*n* = 6), and *Leptodactylus knudseni* (*n* = 3) and *Vitreorana ritae* (*n* = 3). The two families occurring only in one assemblage were Centrolenidae that occurred in PPBIO with one species (*V. ritae*) and Ranidae that occurred in Laranjal with one species (*Lithobates palmipes*). Genera that only occurred in one assemblage included *Lysapsus* and *Trachycephalus* (Hylidae) in Curuá, and *Adenomera* and *Hydrolaetare* (Leptodactylidae) in Curuá and Laranjal, respectively. There is a clear difference in species richness and abundances between the assemblages, with Curuá and PPBIO consisting of more individuals and species than Laranjal and IBAMA. Simpson's inverse diversity indices were as follows: Curuá - 0.87, Laranjal - 0.71, PBBIO - 0.85, IBAMA - 0.87 (Table 15). These diversity results differed from Fisher's alpha index where IBAMA had the highest mean diversity results at 9.88, followed by Curuá (7.79), Laranjal (7.08) and PPBIO (5.54).

Table 14. The total number of species, individuals and relative abundance percentages for all Caxiuanã assemblages. Genus level data is followed by species level data. RA = Relative Abundance, relative to the total individuals of the assemblage. ORA = Overall Relative Abundance, relative to the overall total of individuals for all assemblages.

| **Species** | **Curuá** | **Curuá RA** | **Curuá ORA** | **Laranjal** | **Laranjal RA** | **Laranjal ORA** | **PPBIO** | **PPBIO RA** | **PPBIO ORA** | **IBAMA** | **IBAMA RA** | **IBAMA ORA** | **Overall individual total** | **Total relative abundance** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aromobatidae | 28 | 5.25% | 1.56% | 5 | 2.46% | 0.28% | 77 | 7.53% | 4.28% | 1 | 2.50% | 0.06% | 111 | 6.17% |
| ***Allobates*** | 28 | 5.25% | 1.56% | 5 | 2.46% | 0.28% | 77 | 7.53% | 4.28% | 1 | 2.50% | 0.06% | 111 | 6.17% |
| ***A. femoralis*** | 15 | 2.81% | 0.83% | 4 | 1.97% | 0.22% | 33 | 3.23% | 1.83% | 0 | 0.00% | 0.00% | 52 | 2.89% |
| ***A. sp.*** | 13 | 2.44% | 0.72% | 1 | 0.49% | 0.06% | 44 | 4.30% | 2.45% | 1 | 2.50% | 0.06% | 59 | 3.28% |
| Bufonidae | 246 | 46.15% | 13.67% | 124 | 61.08% | 6.89% | 433 | 42.33% | 24.07% | 9 | 22.50% | 0.50% | 812 | 45.14% |
| ***Amazophrynella*** | 137 | 25.70% | 7.62% | 106 | 52.22% | 5.89% | 97 | 9.48% | 5.39% | 0 | 0.00% | 0.00% | 340 | 18.90% |
| ***A. bokermanni*** | 137 | 25.70% | 7.62% | 106 | 52.22% | 5.89% | 97 | 9.48% | 5.39% | 0 | 0.00% | 0.00% | 340 | 18.90% |
| ***Rhinella*** | 109 | 20.45% | 6.06% | 18 | 8.87% | 1.00% | 336 | 32.84% | 18.68% | 9 | 22.50% | 0.50% | 472 | 26.24% |
| ***R. magnussoni*** | 103 | 19.32% | 5.73% | 16 | 7.88% | 0.89% | 335 | 32.75% | 18.62% | 3 | 7.50% | 0.17% | 457 | 25.40% |
| ***R. marina*** | 6 | 1.13% | 0.33% | 2 | 0.99% | 0.11% | 1 | 0.10% | 0.06% | 6 | 15.00% | 0.33% | 15 | 0.83% |
| Centrolenidae | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.10% | 0.06% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***Vitreorana*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.10% | 0.06% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***V. ritae*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.10% | 0.06% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| Ceratophryidae | 0 | 0.00% | 0.00% | 1 | 0.49% | 0.06% | 33 | 3.23% | 1.83% | 1 | 2.50% | 0.06% | 35 | 1.95% |

Table 14 continued.

| Species | Curuá | Curuá RA | Curuá ORA | Laranjal | Laranjal RA | Laranjal ORA | PPBIO | PPBIO RA | PPBIO ORA | IBAMA | IBAMA RA | IBAMA ORA | Overall individual total | Total relative abundance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Craugastoridae | 24 | 4.50% | 1.33% | 4 | 1.97% | 0.22% | 31 | 3.03% | 1.72% | 0 | 0.00% | 0.00% | 59 | 3.28% |
| ***Pristimantis*** | 24 | 4.50% | 1.33% | 4 | 1.97% | 0.22% | 31 | 3.03% | 1.72% | 0 | 0.00% | 0.00% | 59 | 3.28% |
| ***P. fenestratus*** | 24 | 4.50% | 1.33% | 4 | 1.97% | 0.22% | 31 | 3.03% | 1.72% | 0 | 0.00% | 0.00% | 59 | 3.28% |
| Dendrobatidae | 73 | 13.70% | 4.06% | 4 | 1.97% | 0.22% | 52 | 5.08% | 2.89% | 13 | 32.50% | 0.72% | 142 | 7.89% |
| ***Adelphobates*** | 64 | 12.01% | 3.56% | 4 | 1.97% | 0.22% | 38 | 3.71% | 2.11% | 13 | 32.50% | 0.72% | 119 | 6.61% |
| ***A. galactonotus*** | 64 | 12.01% | 3.56% | 4 | 1.97% | 0.22% | 38 | 3.71% | 2.11% | 13 | 32.50% | 0.72% | 119 | 6.61% |
| ***Ranitomeya*** | 9 | 1.69% | 0.50% | 0 | 0.00% | 0.00% | 14 | 1.37% | 0.78% | 0 | 0.00% | 0.00% | 23 | 1.28% |
| ***R. amazonica*** | 9 | 1.69% | 0.50% | 0 | 0.00% | 0.00% | 14 | 1.37% | 0.78% | 0 | 0.00% | 0.00% | 23 | 1.28% |
| Hylidae | 90 | 16.89% | 5.00% | 41 | 20.20% | 2.28% | 48 | 4.69% | 2.67% | 6 | 15.00% | 0.33% | 185 | 10.28% |
| ***Dendropsophus*** | 8 | 1.50% | 0.44% | 12 | 5.91% | 0.67% | 16 | 1.56% | 0.89% | 0 | 0.00% | 0.00% | 36 | 2.00% |
| ***D. leucophyllatus*** | 0 | 0.00% | 0.00% | 11 | 5.42% | 0.61% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 11 | 0.61% |
| ***D. melanargyreus*** | 3 | 0.56% | 0.17% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 4 | 0.22% |
| ***D. minusculus*** | 2 | 0.38% | 0.11% | 0 | 0.00% | 0.00% | 16 | 1.56% | 0.89% | 0 | 0.00% | 0.00% | 18 | 1.00% |
| ***D. minutus*** | 3 | 0.56% | 0.17% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 3 | 0.17% |
| ***Hypsiboas*** | 32 | 6.00% | 1.78% | 4 | 1.97% | 0.22% | 6 | 0.59% | 0.33% | 1 | 2.50% | 0.06% | 43 | 2.39% |
| ***H. boans*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 2 | 0.20% | 0.11% | 0 | 0.00% | 0.00% | 2 | 0.11% |
| ***H. cinerascens*** | 10 | 1.88% | 0.56% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 10 | 0.56% |

Table 14 continued.

| Species | Curuá | Curuá RA | Curuá ORA | Laranjal | Laranjal RA | Laranjal ORA | PPBIO | PPBIO RA | PPBIO ORA | IBAMA | IBAMA RA | IBAMA ORA | Overall individual total | Total relative abundance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***H. geographicus*** | 3 | 0.56% | 0.17% | 0 | 0.00% | 0.00% | 4 | 0.39% | 0.22% | 0 | 0.00% | 0.00% | 7 | 0.39% |
| ***H. lanciformis*** | 0 | 0.00% | 0.00% | 2 | 0.99% | 0.11% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 2 | 0.11% |
| ***H. punctatus*** | 0 | 0.00% | 0.00% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***H. raniceps*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 2.50% | 0.06% | 1 | 0.06% |
| ***H. wavrini*** | 19 | 3.56% | 1.06% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 20 | 1.11% |
| ***Lysapsus*** | 14 | 2.63% | 0.78% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 14 | 0.78% |
| ***L. laevis*** | 14 | 2.63% | 0.78% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 14 | 0.78% |
| ***Osteocephalus*** | 5 | 0.94% | 0.28% | 3 | 1.48% | 0.17% | 12 | 1.17% | 0.67% | 1 | 2.50% | 0.06% | 21 | 1.17% |
| ***O. oophagus*** | 2 | 0.38% | 0.11% | 0 | 0.00% | 0.00% | 6 | 0.59% | 0.33% | 0 | 0.00% | 0.00% | 8 | 0.44% |
| ***O. taurinus*** | 3 | 0.56% | 0.17% | 3 | 1.48% | 0.17% | 6 | 0.59% | 0.33% | 1 | 2.50% | 0.06% | 13 | 0.72% |
| ***Phyllomedusa*** | 8 | 1.50% | 0.44% | 0 | 0.00% | 0.00% | 1 | 0.10% | 0.06% | 1 | 2.50% | 0.06% | 10 | 0.56% |
| ***P. hypochondrialis*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 2.50% | 0.06% | 1 | 0.06% |
| ***P. vaillantii*** | 8 | 1.50% | 0.44% | 0 | 0.00% | 0.00% | 1 | 0.10% | 0.06% | 0 | 0.00% | 0.00% | 9 | 0.50% |
| ***Scinax*** | 22 | 4.13% | 1.22% | 22 | 10.84% | 1.22% | 13 | 1.27% | 0.72% | 3 | 7.50% | 0.17% | 60 | 3.34% |
| ***S. boesemani*** | 2 | 0.38% | 0.11% | 8 | 3.94% | 0.44% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 10 | 0.56% |
| ***S. garbei*** | 3 | 0.56% | 0.17% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 4 | 0.22% |
| ***S. nebulosus*** | 6 | 1.13% | 0.33% | 2 | 0.99% | 0.11% | 13 | 1.27% | 0.72% | 2 | 5.00% | 0.11% | 23 | 1.28% |

Table 14 continued.

| Species | Curuá | Curuá RA | Curuá ORA | Laranjal | Laranjal RA | Laranjal ORA | PPBIO | PPBIO RA | PPBIO ORA | IBAMA | IBAMA RA | IBAMA ORA | Overall individual total | Total relative abundance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***S. ruber*** | 11 | 2.06% | 0.61% | 11 | 5.42% | 0.61% | 0 | 0.00% | 0.00% | 1 | 2.50% | 0.06% | 23 | 1.28% |
| ***Trachycephalus*** | 1 | 0.19% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***T. resinifictrix*** | 1 | 0.19% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| Leptodactylidae | 56 | 10.51% | 3.11% | 14 | 6.90% | 0.78% | 178 | 17.40% | 9.89% | 8 | 20.00% | 0.44% | 256 | 14.23% |
| ***Adenomera*** | 1 | 0.19% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***A. hylaedactyla*** | 1 | 0.19% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***Hydrolaetare*** | 0 | 0.00% | 0.00% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***H. schmidti*** | 0 | 0.00% | 0.00% | 1 | 0.49% | 0.06% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 0.06% |
| ***Leptodactylus*** | 53 | 9.94% | 2.95% | 13 | 6.40% | 0.72% | 152 | 14.86% | 8.45% | 8 | 20.00% | 0.44% | 226 | 12.56% |
| ***L. knudseni*** | 3 | 0.56% | 0.17% | 0 | 0.00% | 0.00% | 2 | 0.20% | 0.11% | 1 | 2.50% | 0.06% | 6 | 0.33% |
| ***L. mystaceus*** | 6 | 1.13% | 0.33% | 0 | 0.00% | 0.00% | 64 | 6.26% | 3.56% | 2 | 5.00% | 0.11% | 72 | 4.00% |
| ***L. paraensis*** | 7 | 1.31% | 0.39% | 10 | 4.93% | 0.56% | 58 | 5.67% | 3.22% | 0 | 0.00% | 0.00% | 75 | 4.17% |
| ***L. pentadactylus*** | 8 | 1.50% | 0.44% | 2 | 0.99% | 0.11% | 13 | 1.27% | 0.72% | 2 | 5.00% | 0.11% | 25 | 1.39% |
| ***L. petersii*** | 24 | 4.50% | 1.33% | 0 | 0.00% | 0.00% | 4 | 0.39% | 0.22% | 3 | 7.50% | 0.17% | 31 | 1.72% |
| ***L. rhodomystax*** | 5 | 0.94% | 0.28% | 1 | 0.49% | 0.06% | 11 | 1.08% | 0.61% | 0 | 0.00% | 0.00% | 17 | 0.94% |
| ***Lithodytes*** | 2 | 0.38% | 0.11% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 2 | 0.11% |
| ***L. lineatus*** | 2 | 0.38% | 0.11% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 2 | 0.11% |

Table 14 continued.

| Species | Curuá | Curuá RA | Curuá ORA | Laranjal | Laranjal RA | Laranjal ORA | PPBIO | PPBIO RA | PPBIO ORA | IBAMA | IBAMA RA | IBAMA ORA | Overall individual total | Total relative abundance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Physalaemus*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 26 | 2.54% | 1.45% | 0 | 0.00% | 0.00% | 26 | 1.45% |
| ***P. ephippifer*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 26 | 2.54% | 1.45% | 0 | 0.00% | 0.00% | 26 | 1.45% |
| Microhylidae | 7 | 1.31% | 0.39% | 0 | 0.00% | 0.00% | 168 | 16.42% | 9.34% | 2 | 5.00% | 0.11% | 177 | 9.84% |
| ***Chiasmocleis*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 8 | 0.78% | 0.44% | 1 | 2.50% | 0.06% | 9 | 0.50% |
| ***C. avilapiresae*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 5 | 0.49% | 0.28% | 0 | 0.00% | 0.00% | 5 | 0.28% |
| ***C. hudsoni*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 3 | 0.29% | 0.17% | 0 | 0.00% | 0.00% | 3 | 0.17% |
| ***C. shudikarensis*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 1 | 2.50% | 0.06% | 1 | 0.06% |
| ***Ctenophryne*** | 7 | 1.31% | 0.39% | 0 | 0.00% | 0.00% | 45 | 4.40% | 2.50% | 0 | 0.00% | 0.00% | 52 | 2.89% |
| ***C. geayi*** | 7 | 1.31% | 0.39% | 0 | 0.00% | 0.00% | 45 | 4.40% | 2.50% | 0 | 0.00% | 0.00% | 52 | 2.89% |
| ***Hamptophryne*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 115 | 11.24% | 6.39% | 1 | 2.50% | 0.06% | 116 | 6.45% |
| ***H. boliviana*** | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 115 | 11.24% | 6.39% | 1 | 2.50% | 0.06% | 116 | 6.45% |
| Pipidae | 9 | 1.69% | 0.50% | 1 | 0.49% | 0.06% | 2 | 0.20% | 0.11% | 0 | 0.00% | 0.00% | 12 | 0.67% |
| ***Pipa*** | 9 | 1.69% | 0.50% | 1 | 0.49% | 0.06% | 2 | 0.20% | 0.11% | 0 | 0.00% | 0.00% | 12 | 0.67% |
| ***P. pipa*** | 9 | 1.69% | 0.50% | 1 | 0.49% | 0.06% | 2 | 0.20% | 0.11% | 0 | 0.00% | 0.00% | 12 | 0.67% |
| Ranidae | 0 | 0.00% | 0.00% | 9 | 4.43% | 0.50% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 9 | 0.50% |
| ***Lithobates*** | 0 | 0.00% | 0.00% | 9 | 4.43% | 0.50% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 9 | 0.50% |
| ***L. palmipes*** | 0 | 0.00% | 0.00% | 9 | 4.43% | 0.50% | 0 | 0.00% | 0.00% | 0 | 0.00% | 0.00% | 9 | 0.50% |

Table 14 continued.

| Species | Curuá | Curuá RA | Curuá ORA | Laranjal | Laranjal RA | Laranjal ORA | PPBIO | PPBIO RA | PPBIO ORA | IBAMA | IBAMA RA | IBAMA ORA | Overall individual total | Total relative abundance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Individuals | **533** | | | **203** | | | **1023** | | | **40** | | | **1799** | |

Table 15. Assemblage diversity indices.

| | Curuá | Lower | Upper | Laranjal | Lower | Upper | PPBIO | Lower | Upper | IBAMA | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Simpson_1-*D*** | 0.871 | 0.853 | 0.886 | 0.707 | 0.64 | 0.77 | 0.856 | 0.84 | 0.871 | 0.847 | 0.751 | 0.899 |
| **Fisher_alpha** | 7.785 | 7.785 | 7.785 | 7.079 | 7.079 | 7.079 | 5.541 | 5.541 | 5.541 | 9.884 | 5.812 | 9.884 |
| **Chao-1** | 33.75 | 33 | 40.5 | 31.2 | 24.6 | 42.33 | 29.75 | 29 | 39 | 25 | 14.2 | 38.5 |

Figure 15 demonstrates that with 33 species, Curuá has the highest species richness among the four assemblages. PPBIO has the highest abundance of individuals and the steepest decline in species evenness. Laranjal and IBAMA are the least abundant and rich assemblages. Large differences can be seen across the assemblages. Laranjal and IBAMA are underrepresented compared to Curuá and PPBIO, precluding meaningful comparisons between assemblages with few individuals and those with many individuals. The species with the most notable differences were *R. magnussoni* when comparing Curuá (*n* = 5.73%) with PPBIO (*n* = 18.62%), and *H. boliviana*, again comparing Curuá (*n* = 0.00%) with PPBIO (*n* = 6.39%). There were 19 species that only occurred in one of the assemblages (Table 16) and seven species that occurred across all assemblages (Table 17).

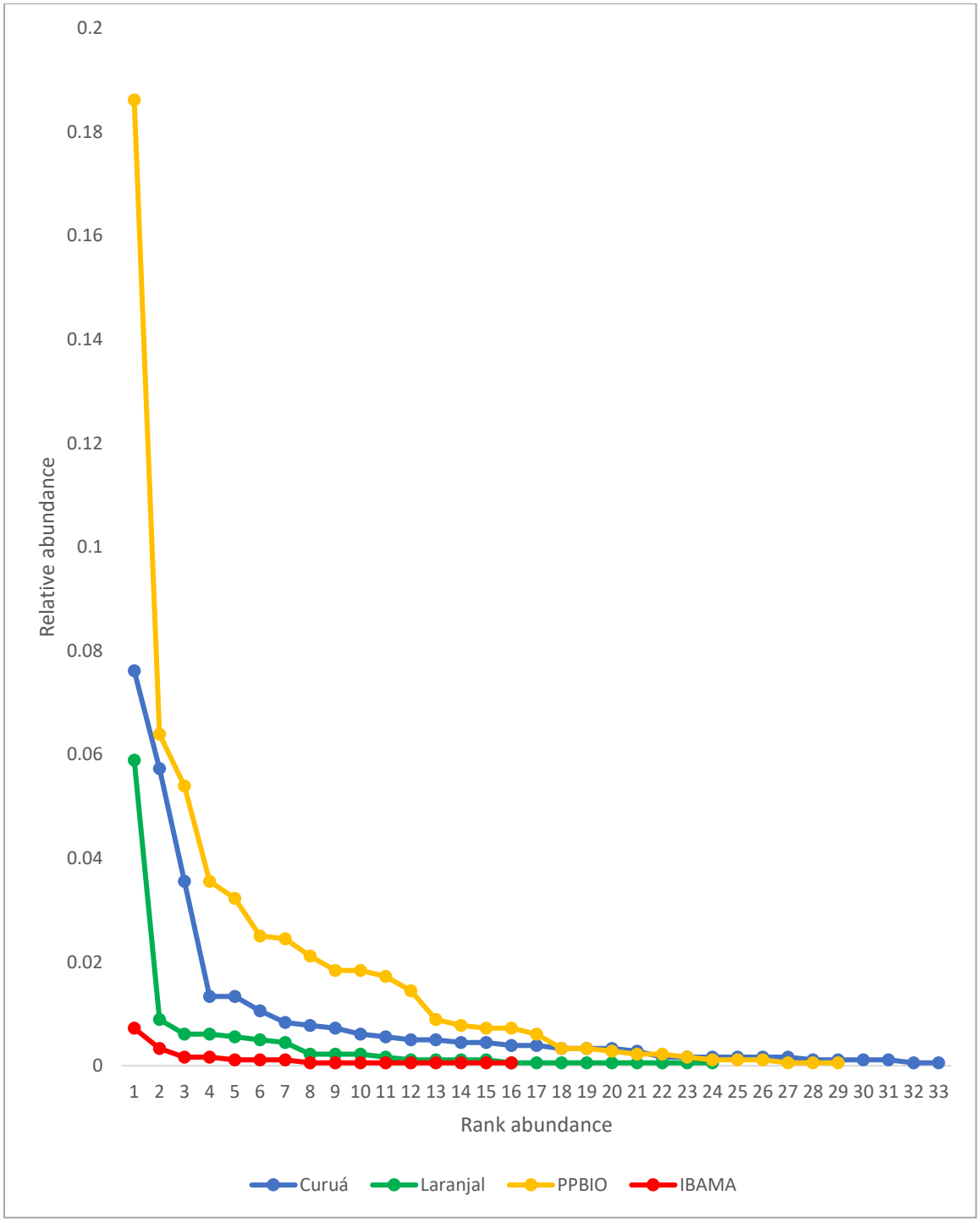


Figure 15. Rank abundance for assemblage in Caxiuanã.

Table 16. Species that were recorded in only one assemblage.

| Family | Genus | Species | Curuá | Laranjal | PPBIO | IBAMA |
|---|---|---|---|---|---|---|
| Centrolenidae | *Vitreorana* | *ritae* | 0 | 0 | 1 | 0 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 0 | 11 | 0 | 0 |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *boans* | 0 | 0 | 2 | 0 |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *geographicus* | 3 | 0 | 4 | 0 |
| Hylidae | *Hypsiboas* | *lanciformis* | 0 | 2 | 0 | 0 |
| Hylidae | *Hypsiboas* | *punctatus* | 0 | 1 | 0 | 0 |
| Hylidae | *Hypsiboas* | *raniceps* | 0 | 0 | 0 | 1 |
| Hylidae | *Lysapsus* | *laevis* | 14 | 0 | 0 | 0 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 0 | 0 | 0 | 1 |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0 | 0 | 0 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0 | 0 | 0 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 0 | 1 | 0 | 0 |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 0 | 0 | 0 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 0 | 0 | 26 | 0 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 0 | 0 | 5 | 0 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 0 | 0 | 3 | 0 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 0 | 0 | 0 | 1 |
| Ranidae | Lithobates | palmipes | 0 | 9 | 0 | 0 |

Table 17. Species that occurred in all assemblages.

| Family | Genus | Species | Curuá | Laranjal | PPBIO | IBAMA |
|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *sp.* | 13 | 1 | 44 | 1 |
| Bufonidae | *Rhinella* | *magnussoni* | 103 | 16 | 335 | 3 |
| Bufonidae | *Rhinella* | *marina* | 6 | 2 | 1 | 6 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 64 | 4 | 38 | 13 |
| Hylidae | *Osteocephalus* | *taurinus* | 3 | 3 | 6 | 1 |
| Hylidae | *Scinax* | *nebulosus* | 6 | 2 | 13 | 2 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 8 | 2 | 13 | 2 |

Figure 16 shows that Curuá has the highest species richness among the assemblages even when Curuá and PPBIO are rarefied to the same number of individuals as Laranjal. When rarefied to this level, Laranjal has a higher observed species number and species richness than PPBIO. However, such comparisons should be made carefully as Laranjal is relatively understudied compared to that of Curuá and PPBIO. No meaningful comparisons can be made with IBAMA. When comparing the 95% confidence limits for the observed species for all assemblages (Figure 17), the confidence limits of Curuá and PPBIO do not overlap, showing that Curuá likely has a higher species richness than PPBIO. When Curuá and PPBIO are rarefied to the same number of individuals as Laranjal, the lower confidence limit of Laranjal is almost the same as the lower confidence limit of PPBIO, while the upper confidence limit of Laranjal is higher than the mean for Curuá. No asymptote has been reached for any of the assemblages in regard to observed species. The upper 95% Chao 1 confidence limit of PPBIO is higher than that of Curuá, which when rarefied to the level of Curuá has a steeper decline than that of PPBIO (figure 18). The Chao 1 means for both Curuá and PPBIO are close to that of the lower confidence levels. The data from Laranjal and IBAMA are insufficient to make reasonable species richness comparisons with the other assemblages. None of the assemblages exhibits an asymptote for species richness; PPBIO even shows a steady decline towards the end. Analysis of Simpson's inverse diversity indices shows that Curuá has the greatest diversity among the assemblages (Figure 19), Laranjal shows low diversity compared to Curuá or PPBIO despite higher observed species mean and species richness when PPBIO is rarefied to its level.

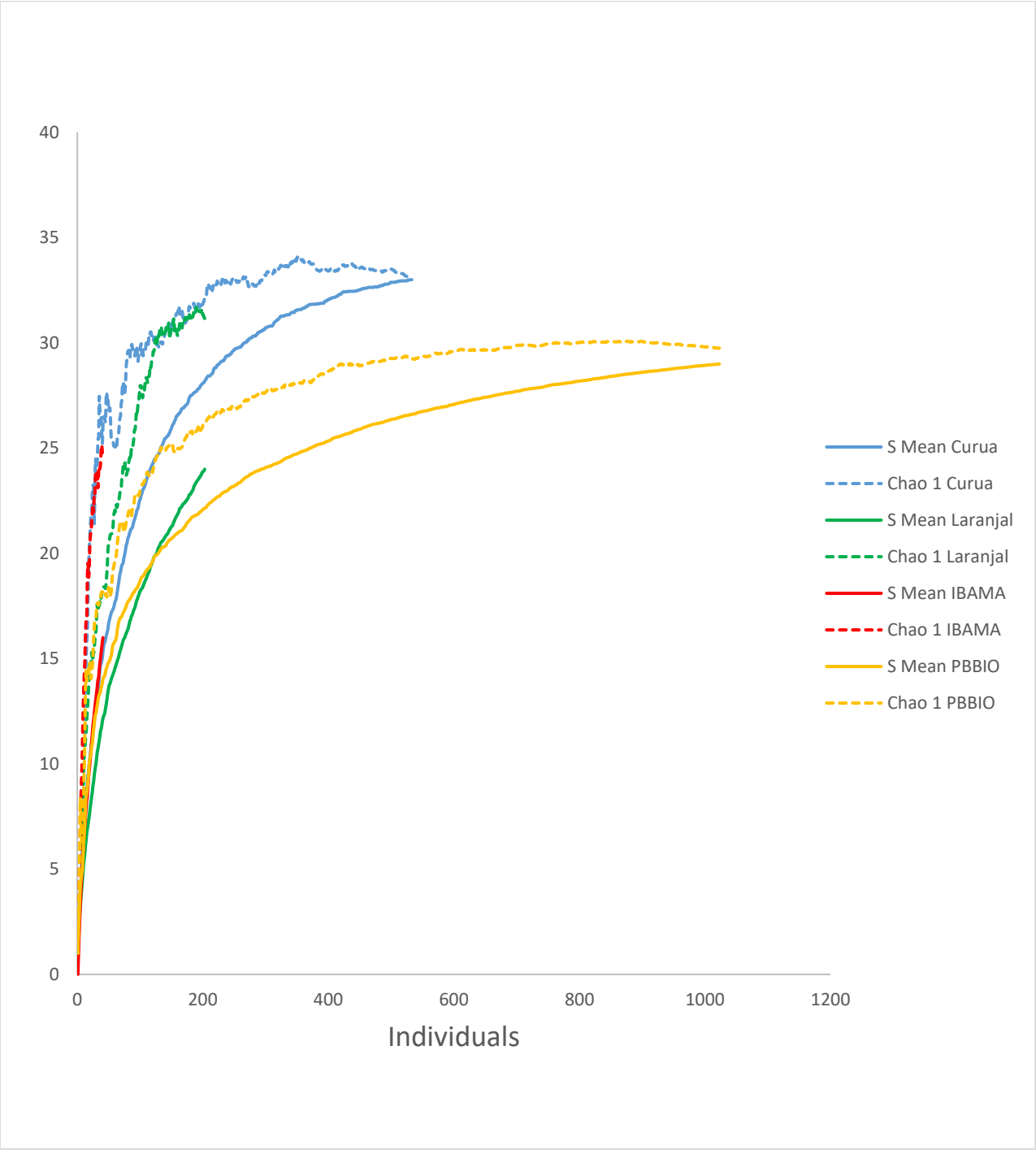


Figure 16. Observed species as represented by 'S Mean "relevant assemblage and species richness as represented by 'Chao 1' relevant assemblage for assemblages. Curuá – *S* mean: 33 Chao1: 33.2; Laranjal – *S* mean: 24 Chao1: 31.6; IBAMA – S mean: 16 Chao1: 24.78; PBBIO – *S* mean: 29 Chao1: 29. 75.

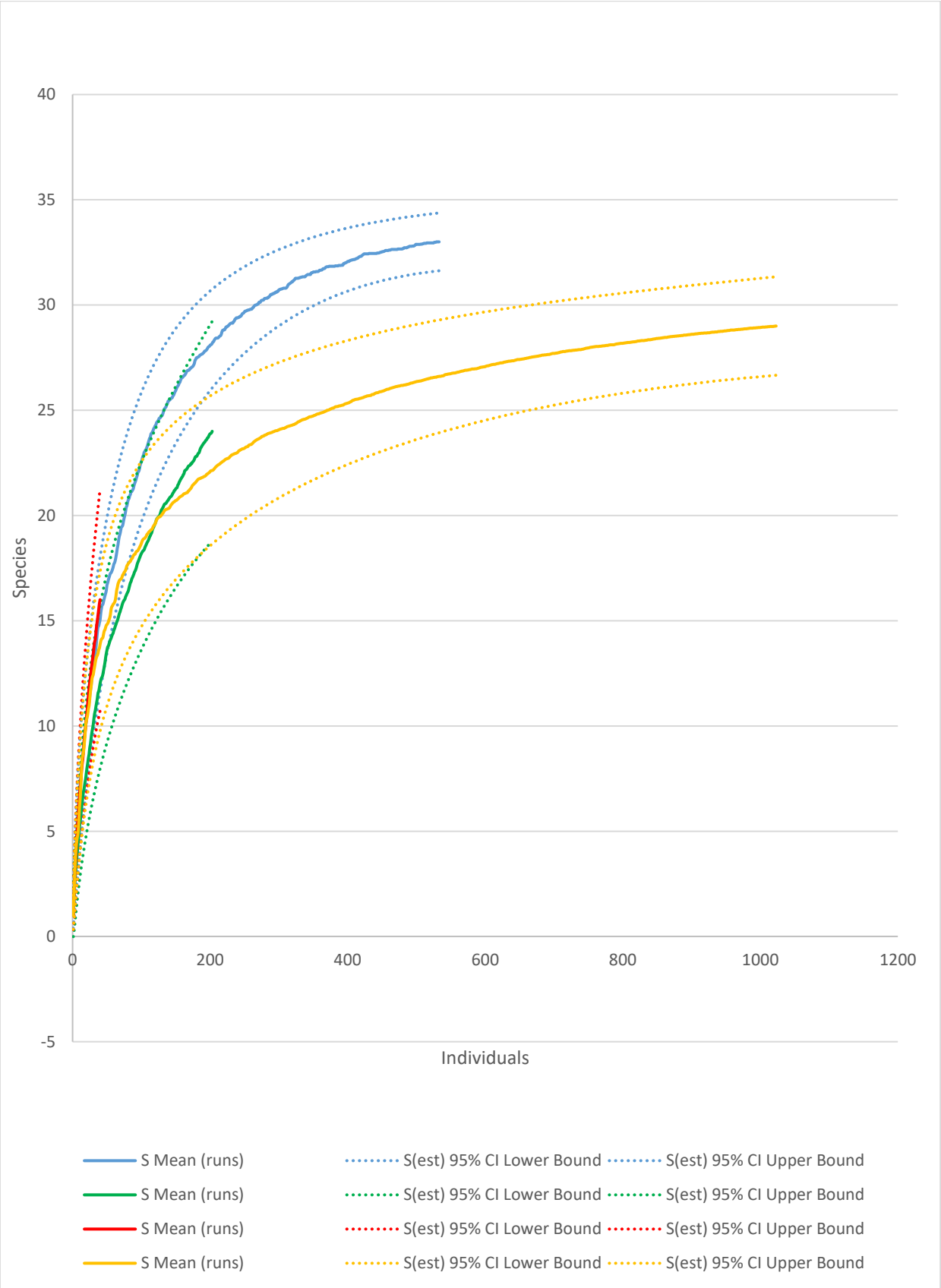


Figure 17. The means of individuals collected with 95% confidence limits for the assemblages sampled in Caxiuanã. Blue = Curuá, green = Laranjal, red = IBAMA, yellow = PPBIO.

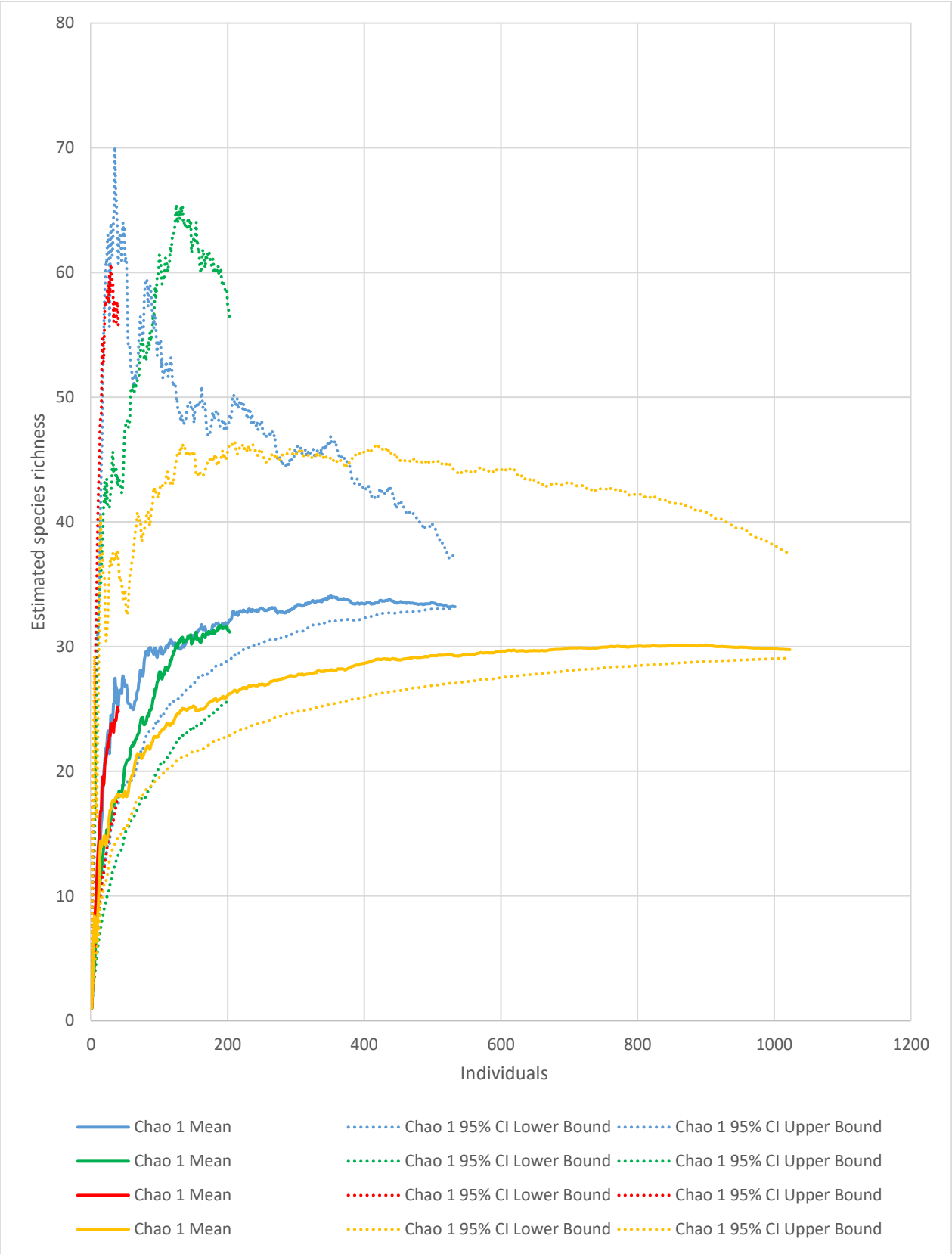


Figure 18. Species richness among Caxiuanã assemblages as depicted by Chao 1 means including 95% confidence limits. Blue = Curuá, green = Laranjal, red = IBAMA, yellow = PPBIO.

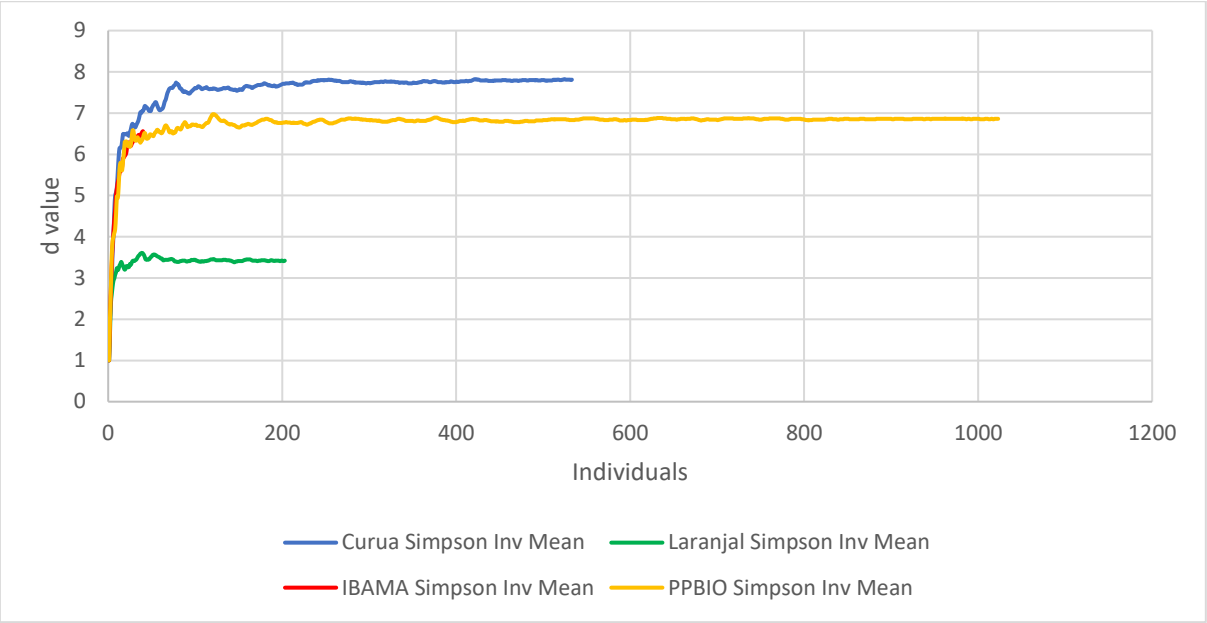


Figure 19. Simpson's inverse indices for assemblages. *d* value refers to Simpson's inverse diversity index value.

## 4.0. Discussion

A recurring topic throughout this research was the inconsistent sampling information in the data set. The issues included temporally and spatially uneven sampling intensity, lack of data for many of the individuals for the categories studied (location, habitat and microhabitat collected, GPS coordinates), and data collection by several different individuals. Ideally, the data would be systematic and standardised, with sampling at specific location occurring at regular intervals during multiple seasons, via multiple diurnal and nocturnal sampling techniques, with comments on location, habitat, and microhabitat. However, obtaining such data would require planning and personnel which was not available for the current research. Despite these drawbacks, the current data are believed to be novel and significant to the understanding of distributional patterns of Amazonian anurans.

### 4.1. Diversity and richness statistical analyses

Overall Caxiuanã had a high diversity of anurans. When compared with Fisher's alpha index, the Simpson's inverse index resulted in different rank orders for the communities and assemblages. Simpson's inverse index resulted in the southern community having higher diversity (0.87) than the northern community (0.85), while Fisher's alpha and Chao 1 index resulted in higher results for the northern community (Table 13). When comparing the community diversity index results against the assemblage results, it can be seen that all indices are higher for Curuá than PPBIO (Table 15). Therefore, a methodological artefact caused by the low sample sizes of Laranjal and IBAMA could explain the discrepancy in the community results.

The Chao 1 results demonstrates that the northern community has higher species richness compared to the southern community; in figure 13, the lower confidence level of the northern community only slightly overlaps the upper confidence level of the southern community. When analysing the observed species in figure 17, there is no overlap in confidence levels for Curuá and PPBIO. This suggests that the northern community, mostly due to the sampling in Curuá, had the highest observed species richness. The rarefaction curves for the Chao 1 means and confidence levels are more varied for the communities and assemblages (figure 14 & 18). The assemblage Chao 1 results demonstrate that the sampling

in Curuá and PPBIO had higher validity than measuring the communities because of the lower range in confidence levels seen (figure 14 & 18). The upper confidence level for PPBIO is higher than that of Curuá, with Curuá demonstrating a steeper decline than PPBIO. This could mean that with more sampling within PPBIO, the areas species richness could increase to more than is currently seen in Curuá. Furthermore, the Chao 1 means for Curuá and PPBIO are both close to the lower confidence level suggesting, that the currently observed species richness is similar to the lowest possible species richness encounterable. From these results, Curuá and the northern community have the highest diversity and species richness from the sampled areas within Caxiuanã but more sampling across all areas is needed to give accurate results.

Chao et al. (2005) state that sampling limitations create challenges for making accurate estimations of species richness and diversity within assemblages, particularly from those with high species richness and many rare species, such as is seen in Caxiuanã. Individual abundance per assemblage is an unbiased measurement of sampling effort, with the higher cumulative number of individuals equal to higher sampling effort (Moreno & Halffter, 2001). Based on this, the southern community had higher sampling effort than the northern community. These results are mirrored in the assemblage analysis. PPBIO had the highest abundance (and thus, the highest sampling effort of the assemblages), while Curuá had the highest species richness. Typically, increased sampling effort increases species richness of an area (Walther & Martin, 2001; Bady et al., 2005), highlighting that, despite the high abundance of individuals recorded in PPBIO, Curuá has a higher species richness. However, species richness can not only be defined by a single richness estimator (Walther & Martin, 2001). When comparing the approximate areas (based from the individuals GPS data) of the assemblages sampled (Appendix 10), the area of Curuá (100 $km^2$) was around triple the size of Laranjal (26.7 $km^2$) and PPBIO (25 $km^2$), while with 1.6 $km^2$ IBAMA by far had the least area sampled. The fact that Curuá harboured the highest species richness from the four assemblages is therefore plausible. However, the whole range of the Curuá assemblage was unequally sampled, with the majority of individuals occurring at Igarapé Curuá. Furthermore, when considering the years which the individuals were collected, sampling in PPBIO was almost entirely conducting during 2007 (*n* = 1028) with three additional individuals collected during 2009**,** compared with Curuá where sampling was more widespread with most sampling occurring in 1997 (n = 162), 1993 (*n* = 148), and 1996 (*n* = 92, Appendix 11).

Because distribution and species density change both temporally and spatially, making such comparisons between Curuá and PPBIO needs to be regarded with caution. Taking into consideration these differences in sampling effort between assemblages, the high species richness for Curuá and the northern community of Caxiuanã is generally appropriate. Furthermore, future research on Caxiuanã anurans will result in data to investigate any changes in community composition since the 1990s, and the potential discovery of new species in the area. The data from PPBIO provides a good baseline for comparing anuran abundance and species richness in the area. However, more frequent sampling with a variety of visual, acoustic and trap methodologies is advised to propose more confident estimations of anuran species richness and abundance in Caxiuanã.

### 4.2.Riverine barrier hypothesis

Fifteen species were only collected north of the Caxiuanã river, and nine species were only collected south of the river (Table 12). Of these species, 23 had fewer than 30 individuals recorded and 17 of the species had fewer than 10 individuals recorded. *Hamptophryne. boliviana* had the greatest difference in abundance among the northern and southern communities with 116 individuals only recorded in the southern community (115 in PPBIO and one individual in IBAMA). *Hamptophryne boliviana* is a small-bodied, nocturnal and fossorial species known to be widespread across Amazonian but uncommon throughout its distribution (Schlüter & Salas, 1991; Moraes et al., 2016). There are no obvious functional or life-history traits of this species that could explain the high abundance in the southern community of Caxiuanã compared to the northern community. Since pitfall traps were a primary method used in PPBIO (U. Galatti, personal communication 2017), the fossorial nature of the species, might have resulted in higher recordings in this area. Of the seven species with the highest abundance recorded in only one community (*H. boliviana, Physalaemus ephippifer, Hypsiboas wavrini, L. laevis, Dendropsophus leucophyllatus, H. cinerascens, Scinax boesemani*), five were only recorded in Curuá despite the overall lower abundance of individuals recorded in Caxiuanã (*H. wavrini, L. laevis, D. leucophyllatus, H. cinerascens, S. boesemani*). This could potentially be due to the higher species richness in Curuá. However, it is more plausible that inadequate sampling is the reason behind the lack

of sighting of these species and the other species only collected in one community or one assemblage. Inconsistent and insufficient sampling among the areas of Caxiuanã was a main limitation of this research, most notably in the IBAMA and Laranjal assemblages. Conclusions on the barrier effect of rivers based from insufficient sampling is a common error in this area of research (Santorelli, Magnusson & Deus, 2018).

Riverine barrier studies typically focus on populations of either bank of a river to test the phylogenetic similarity and species composition. Since phylogenetic analysis was beyond the scope of this research and anuran distributional data were lacking on the direct southern bank of the Caxiuanã river, the main comparisons were based on presence and absence data between the northern and southern communities. The distance between Curuá and PPBIO is around 30 m, a small distance compared to the width of some larger rivers. However, distinct genetic differentiation has been found between two populations of *A. andrea*, a species found in Caxiuanã but removed due to taxonomical complications, at only 100 m apart (Fouquet et al., 2012), suggesting that differentiation between populations can occur at a relatively small geographical range. It is unlikely that a riverine barrier effect restricts the gene flow or the distribution of Caxiuanã anurans because of the small size of the Caxiuanã River. Phylogeographic research may be more promising when comparing population on either side of Caxiuanã bay as it is noticeably larger than the Caxiuanã River (Figure 3) and could have more potential of acting as a riverine barrier. Future research could involve population genetic analysis of anurans in the PPBIO plot and compare that with identical sampling techniques conducted on the opposite bank of Caxiuanã bay, applying the criteria for riverine barriers as summarised in Santorelli, Magnusson & Deus (2018)

Research has supported the hypothesis that anuran life-history and functional traits, particularly those relating to environmental preference and reproduction, influence the magnitude of a barrier effect upon species (Fouquet et al., 2012, 2015; Moraes et al., 2016). This suggests that functional ecology may be a more promising area of research than phylogenetics when studying the differentiation of populations on a small geographical scale, as it may lead to promising insights into the understanding of the species interaction with the environment, and thus into factors influencing the distribution and the composition of anuran communities. For example, arboreal species (such as Hylidae) have been predicted to have greater dispersal ability due to their higher tolerance to temperature variation and desiccation compared to leaf litter species that depend on more consistent environmental

variables (Fouquet et al., 2015; Moraes et al., 2016). As another example, species with large tadpoles in lotic waterbodies (e.g. *Hypsiboas boans*) have greater dispersal ability, compared to species with direct developing (e.g. *Pristimantis*) or endotropic larvae (e.g. *Adenomera*), which have been shown to display high levels of differentiation (Fouquet et al., 2015). In addition, it was also found that large-bodied and nocturnal species, as well as riparian species associated with large rivers, have higher resilience to a riverine barrier effect (Moraes et al., 2016).

Smaller rivers such as the Caxiuanã River are not expected to have the same effect on species distributions as larger rivers. Moraes et al. (2016) investigated the riverine barrier effect of the Tapajos River on anuran and squamate assemblages, including anuran species which were also sampled in the present research. Four species (*A. galactonotus*, *R. amazonica*, *L. knudseni*, *L. paraensis*) were affected by the riverine barrier. However, in the present research all four of these species occurred on both sides of the Caxiuanã River. For *A. galactonotus*, *R. amazonica*, and *L. paraensis*, the currently known distribution is limited to the eastern side of the Tapajos River. This could be explained by the timing of the formation of the different Amazonian tributaries. The Tapajos River drainage system developed up to 1.0 Mya before the Tocantins River (Ribas et al., 2012), which is the mouth of the water system leading to Caxiuanã, potentially suggesting that the formation of the Tapajos River system played a larger role in the distribution of species than the formation of the Caxiuanã water system. However, *Ranitomeya amazonica* is also restricted to the eastern bank of the Tapajos River (Moraes et al., 2016), although it has been found as far west as Peru (Brown et al., 2011), as well as in French Guiana where no barrier effect was found for the Oyapock River (Fouquet et al., 2015). The distribution of this species is understudied, and the restricted distribution may be due to a factor other than riverine barriers. Furthermore, there were several species (*H.s boans*, *H. cinerascens*, *Phyllomedusa hypochondrialis*, *Lithodytes lineatus*, *Ctenophyrne geayi*, *H. boliviana*) only collected on one side of the Caxiuanã River that were not restricted by the Tapajos River in Moraes et al. (2016). This suggests that insufficient sampling might have caused the apparent restricted distribution of these species in the present research.

Research supporting the riverine barrier hypothesis is often mixed with studies displaying unsupportive evidence. The Jurua River has been shown to display a barrier effect on anuran species (Funk et al., 2007), and has been shown to express within-population genetic

diversification for anuran species (Gascon, Lougheed & Bogart, 1998). However, Gascon (2000) proposed that the Jurua River does not act as a distributional barrier for anurans or small mammal species. Factors such as age of the river or the degree of meandering may influence the barrier effect (Gascon, Lougheed & Bogart, 1998). The Madeira River has commonly been considered to exert a barrier effect on anurans (Simões et al., 2008; Dias-Terceiro et al., 2015). However, recent findings revealed that out of 1952 species across 14 taxonomic groups only two species from two groups had distributions determined by the river (Santorelli, Magnusson & Deus, 2018). A standardised methodology should be implemented when testing the barrier hypothesis across Amazonian rivers.

It is important to consider alternative hypotheses for the explanation of community structure. One study found that ancient ridges that formed the current topography of the area rather than the Jurua River was the key element in the phylogenetic diversification of an anuran species (*Allobates femoralis*, Lougheed et al., 1999). Historical elements have been shown to affect the distribution of anuran species on a regional scale, while environmental factors affect distribution on a local scale (Dias-Terceiro et al., 2015). This demonstrates that the causality behind observed species diversification can be more cryptic than it first appears. Overall, no barrier effect was found to be exerted by the Caxiuanã River on the distribution of anurans in the area. Due to the size of the Caxiuanã River it is unlikely that any future research will result in a significant barrier effect on species.

### 4.3.Life-history and functional traits

Life-history traits and categories were found to have a significant effect on the species sampled in this research, demonstrating their importance on the distribution of species. Within the present research, 52.08% of the species are listed as riparian, 89.58% of species are dependent on water for reproduction, and 64.58% use lentic water bodies for reproduction. Since Caxiuanã is a riparian forest, it is expected to see many species dependent on aquatic sites. Species occurring in a given community will be associated to specific assembly rules, meaning that environmental variables can act as a filter that removes unsuitable traits and thus unsuitable species (Keddy, 1992). Accurate information on the presence, absence and abundance of anuran species is essential for compiling

assembly rules for an environment (Keddy, 1992). There are five main categories of traits: developmental, morphological, physiological, life history and behavioural (Werner & Peacor, 2003); a combination of these traits governs the ability of a species to occur within a given habitat. Location, habitat preference, microhabitat preference, aquatic reproductive type, and activity period were found to have a significant effect on the distribution of the species sampled. A limitation of this research is that Chi-square is unable to show which specific category is significant for which species. It is likely that categories with many variables, such as 'aquatic reproductive type' or 'location', will have varying levels of importance in determining a species distribution. Defining the assembly rules for anurans in Caxiuanã would be a promising area for future research as traits have generally been shown to influence the distribution of Amazonian anurans (Magnusson & Hero, 1991; Amezquita et al., 2009; Poelman, Wijngaarden & Raajimakers, 2013; Bessa-Silva et al., 2016; Maia, Lima & Kaefer, 2017). However, measuring all traits, variables and the interactions with the environment is too great a task, and specific factors need to be prioritised (McGill et al., 2006).

Among the species sampled, those with an aquatic larval stage are the most dominant (Table 6). Traits related to aquatic larvae are dependent on multiple factors such as suitable reproductive sites (Menin et al., 2007) and biotic influences such as predators (Magnusson & Hero, 1990). However, the presence of fish in anuran reproductive sites results in the decrease in eggs consumption by other predators, demonstrating the complex nature of ecological interactions (Magnusson & Hero, 1990). Therefore, terrestrially reproducing anurans (*P. fenestratus, Leptodactylus pentadactylus, Adenomera hylaedactyla*, *C. hudsoni*) that can complete their life cycle without water (Haddad & Prado, 2005) will be subject to different assembly rules (Becker et al., 2009, 2010). Some example of traits that effect the distribution of species sampled include the skin toxins unpalatable to fish, which allow *H. geographicus* to occur in waterbodies which other species are unable to inhabit (Caldwell, 1989). Eggs of *Osteocephalus oophagus* are deposited in bodies of water in plants, mainly epiphytes and bromeliads to which the female returns to deposit unfertilised eggs for the larvae (Lima et al., 2005). However, species with a high abundance in a given environment (such as *R. magnussoni* in this study) can have a greater impact on ecosystem functioning than less abundant species (Diaz & Cabido, 2001). This demonstrates the wide range of traits relating to anuran distribution throughout Caxiuanã, which can be expanded to the range of

traits throughout the Amazon rainforest. Many species in this study still require in-depth analysis of life-history, behaviour, morphology, and physiology.

Functional diversity should be considered for research focusing on the spatial distribution of anurans, to provide an alternative way of assessing community structure rather than measurements of species richness and diversity. Functional diversity is also important to implement with conservation plans. If an effective anuran conservation plan was to be initiated in Caxiuanã, it should focus on the protection of species with aquatic larvae, taking into consideration this common life-history trait in the area (Becker et al., 2010). Additional research could prioritise investigating which traits effect the distribution of endangered or high-risk species. Forty-five of the recorded species are currently listed as 'least concern' by the IUCN, two are listed as 'data deficient' and *A. sp.* is not listed. Although no high-risk species were sampled in the present research, applying functional ecology to other areas with high-risk species would be an efficient way to prioritise conservation strategies. An in-depth understanding of the range of traits for species across different taxa throughout Amazonia would likely aid in the formation of assembly rules which could lead to greater confidence when implementing conservation plans for specific areas, or species.

### 4.4.Anuran abundance comparison of sites

Some striking differences in abundance can be seen when comparing the results of the present research to that of others conducting in Amazonian. Menin, Waldez & Lima (2008) conducted a study in Reserva Ducke, Manaus, and found 7162 individuals of *P. fenestratus,* and 3222 individuals of *O. oophagus,* while only 69 and 8 individuals were recorded in Caxiuanã for this research, respectively. Both species are small and nocturnal, and *O. oophagus* is arboreal (Table 6), which cause these species to be cryptic and potentially difficult to sample. The majority of individuals from these species were recorded in Reserva Ducke were via acoustic surveys. In Caxiuanã there were few acoustic surveys conducted, which likely plays a large role in the drastic differences in abundances seen between these studies. As another example, seven individuals of *Leptodactylus mystaceus* were recorded in Reserva Ducke, by visual encounters (Menin, Waldez & Lima, 2008), whereas 72 individuals were recorded in Caxiuanã, the majority of which in PPBIO during 2007 via transect surveys,

suggesting differences in abundance for this species between the two sites. Future research focusing on the recording of anuran abundances in Caxiuanã and elsewhere should have a range of collection techniques, including standardised visual and audio surveys combined with different traps taking into consideration the range of life-history traits among Amazonian anurans, to gain more realistic estimations of the anuran abundance for the area

While recent research on anuran abundance and distribution revealed diverse findings across Amazonia, similar variation has also been recorded in Caxiuanã alone. For the Curuá assemblage, Avila-Pires & Hoogmoed (1997) conducted three expeditions during dry and rainy seasons in 1992 and 1993, focusing mainly near the ECFPn centre. One-hundred-eight-four *A. bokermanni* individuals were recorded in these two years, however only 64 individuals (from a total of 343) to the dataset used in the present research were collected by Avila-Pires and Hoogmoed (Appendix 12). Additionally, 44 *Lysapsus laevis* individuals were collected but the present research only has 14 recorded individuals collected by other researchers (Appendix 13). Furthermore, Bernardi (1999) focused on sampling anurans from the Igarapé Araua and Igarapé Laranjal (figure 4), in the northern community of Caxiuanã and Igarapé Araua (listed under the Curuá assemblage in the present research, with J. A. R. Bernardi being among the listed collectors for this research). In total, Bernardi (1999) encompassed 48 days of sampling before 1999, significantly less than that of the collective sampling time for this research. Thus, abundances will not be commented on unless deemed significant. Five species were not included within the dataset of this research but were documented in Bernardi (1999), including *A. andreae, Adenomera sp* and *Osteocephalus sp.* which were included in the original raw dataset but removed from further analysis. *Bufo typhonius* is now listed under the *Rhinella margaritifer* group, and no information could be obtained on the species *Colosthetus marchesianus*. There were 237 *A. bokermanni* samples recorded within such a limited sampling time compared to 343 individuals in the dataset used for this research. There was a total of ten *Trachycephalus resinifictrix* individuals recorded while only one specimen in this dataset. In addition, there were 55 *Scinax garbei* individuals recorded compared to four within the present dataset. For the species mentioned, these are clear underestimations of the real abundance of these species in the dataset for the present research, in particular *A. bokermanni* which had high abundances in other research (Avila-Pires & Hoogmoed, 1997; Bernardi, 1999).

Avila-Pires et al. (2012) reviewed differences in the distribution of species occurring in Caxiuanã. *Dendrobates minutus* and *Arthrosaura kockii* (a lizard species) were found to be common within the ECFPn site, the range of which is defined similar to that of the Curuá assemblages in the present work (see figure 4 for the ECFPn boundary) but were absent in other areas of Caxiuanã. *Dendrobates minutus* was also only found in the Curuá assemblage. However, Avila-Pires et al. (2012) note that these two species are likely present in other areas of Caxiuanã but are hard to detect due to their rarity. Nevertheless, these are good examples to highlight the noticeable differences in abundance of certain species within fine-scale ranges such as in Caxiuanã and that it is possible some of the species with fewer recorded individuals may be found in other areas with further sampling. Perhaps the most striking example of small-scale distributional variation of a Caxiuanã species is that of *A galactonotus*. Hoogmoed & Avila-Pires (2012) investigated the distributional range and difference in colour morphs of *A. galactonotus* throughout Para, Brazil, and found that the colour of this species ranges from yellow, orange, red, white, and light blue, depending on the specific population. Caxiuanã consists of individuals with an orange dorsum with varying percentage of black spots, a colour morph which is located in the Curuá region (specifically along the Igarapé Curuá), near the IBAMA base, and along the Igarapé Laranjal. Yellow morphs are located at the PPBIO site (see Figure 3) and blue colour-morphs are located east of the PPBIO plot (see Figure 7). It is currently unknown what could cause such a variation in colour among this species and why the different colour morphs have not been recorded overlapping (Hoogmoed & Avila-Pires, 2012). The distributions of *D. minutus* and *A. galactonotus* in Caxiuanã are demonstrations of unusual small-scale differences in assemblage composition without environmental determinants.

## 4.5.Conclusion

This study revealed that life-history and functional traits are more likely to play an important role in small-scale diversification than the Caxiuanã River does as a barrier. This research also establishes the role that functional ecology plays on community structure and species distribution, as well as the importance of incorporating life history in research investigating fine-scale ecology. Furthermore, the present research demonstrates the practicality of long-term museum records. Despite methodological issues in the present data meaningful results

were produced by incorporating multiple statistical analyses. This research could be used as an example for future studies on community composition using available collection data from research facilities, saving resources such as time, money and personnel needed for long-term distributional studies. However, any future research adapting this methodology will need to clearly understand the specific limitations of the data obtained. Researchers should aim towards a global standardisation of sampling methodology to make results comparable and to perform similar ecological studies more robustly. Within Caxiuanã, future research should contain less sporadic anuran abundance data, collected via standardised techniques across evenly distributed sites to confidently comment on community composition. A technique that was unavailable in this research but would be ideal for future studies, and that has been found to be effective in anuran sampling when considering life-history traits is using eDNA to sample individuals within an area (Lopes et al., 2017). Incorporating modern methods such as these into studies will help improve data collection and analysis.

Overall, the statistical analyses and results demonstrate quantitatively that assemblage diversification can occur within populations on a relatively small geographical scale, and that life-history may be a main influence. It is also believed that Caxiuanã represents a suitable study system to promote the investigation of small-scale community structure, and that this area should not be overlooked in trying to understand Amazonian ecology on a larger scale. Future research should focus on the understanding of functional traits, not only for anurans but other taxa occurring in Caxiuanã to aid in formulation of ecological rules for the occurrence of species in a given habitat and in implementing effective conservation plans for endangered and threatened species.

## 5.0.References

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## 6.0.Appendices

Appendix 1. Example of a trail thorugh terra firme forest close to ECFPn base. Photo taken by Matthew Coates

Appendix 2 Example of flooded forest habitat in Caxiuanã. Photo taken by Matthew Coates.

Appendix 3. Three examples of anuran species found in Caxiuanã. Top left: *Rhinella marina* found during the evening, close to the ECFPn base. Top right: Preserved *Pipa pipa* specimen from the herpetological archives in Museu Paraense Emilio Goeldi (MPEG). Bottom: *Adelphobates galactonus* found on site at ECFPn. All photographs taken by Matthew Coates.

Appendix 4. Jaccard's inverse index equation for the overall diversity of Caxiuanã, see Figure 4 for the Jaccard's equation.

| Family | Genus | Species | total (n) | n(n-1) |
|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | 52 | 2652 |
| Aromobatidae | *Allobates* | *sp.* | 59 | 3422 |
| Bufonidae | *Amazophrynella* | *bokermanni* | 343 | 117306 |
| Bufonidae | *Rhinella* | *magnussoni* | 458 | 209306 |
| Bufonidae | *Rhinella* | *marina* | 16 | 240 |
| Centrolenidae | *Vitreorana* | *ritae* | 1 | 0 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | 37 | 1332 |
| Craugastoridae | *Pristimantis* | *fenestratus* | 69 | 4692 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 139 | 19182 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | 24 | 552 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 11 | 110 |
| Hylidae | *Dendropsophus* | *melanargyreus* | 4 | 12 |
| Hylidae | *Dendropsophus* | *minusculus* | 18 | 306 |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 6 |
| Hylidae | *Hypsiboas* | *boans* | 2 | 2 |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 90 |
| Hylidae | *Hypsiboas* | *geographicus* | 7 | 42 |
| Hylidae | *Hypsiboas* | *lanciformis* | 2 | 2 |
| Hylidae | *Hypsiboas* | *punctatus* | 1 | 0 |
| Hylidae | *Hypsiboas* | *raniceps* | 1 | 0 |
| Hylidae | *Hypsiboas* | *wavrini* | 20 | 380 |
| Hylidae | *Lysapsus* | *Laevis* | 14 | 182 |
| Hylidae | *Osteocephalus* | *oophagus* | 8 | 56 |
| Hylidae | *Osteocephalus* | *taurinus* | 13 | 156 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 1 | 0 |
| Hylidae | *Phyllomedusa* | *vaillantii* | 9 | 72 |
| Hylidae | *Scinax* | *boesemani* | 10 | 90 |
| Hylidae | *Scinax* | *garbei* | 4 | 12 |
| Hylidae | *Scinax* | *nebulosus* | 23 | 506 |
| Hylidae | *Scinax* | *ruber* | 23 | 506 |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 1 | 0 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | 6 | 30 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | 72 | 5112 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | 75 | 5550 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 26 | 650 |
| Leptodactylidae | *Leptodactylus* | *petersii* | 31 | 930 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | 17 | 272 |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 2 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 26 | 650 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 5 | 20 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 3 | 6 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 1 | 0 |
| Microhylidae | *Ctenophryne* | *geayi* | 52 | 2652 |
| Microhylidae | *Hamptophryne* | *boliviana* | 116 | 13340 |
| Pipidae | *Pipa* | *pipa* | 12 | 132 |
| Ranidae | *Lithobates* | *palmipes* | 9 | 72 |
| | Total | 48 | 1838 | 390632 |

| | | | | | |
|---|---|---|---|---|---|
| N | = | 1838 | n(n-1) | = | 3376406 |
| | | | | | |
| 390632 | / | 3376406 | = | 0.1157 | |
| 1 | - | 0.115694617 | = | 0.8843 | |
| | | | | | |
| | | 1-D | = | 0.88 | |

Appendix 5. Jaccard's inverse index equations for the northern and southern communities in Caxiuanã. See figure 4 for the Jaccard's equations.

| | | | North of Rio Caxiuana total (n) | n(n-1) | South of Rio caxiuana total (n) | n(n-1) |
|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | 19 | 342 | 33 | 1056 |
| Aromobatidae | *Allobates* | *sp.* | 14 | 182 | 45 | 1980 |
| Bufonidae | *Amazophrynella* | *bokermanni* | 243 | 58806 | 97 | 9312 |
| Bufonidae | *Rhinella* | *magnussoni* | 119 | 14042 | 338 | 113906 |
| Bufonidae | *Rhinella* | *marina* | 8 | 56 | 7 | 42 |
| Centrolenidae | *Vitreorana* | *ritae* | 0 | 0 | 1 | 0 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | 1 | 0 | 34 | 1122 |
| Craugastoridae | *Pristimantis* | *fenestratus* | 28 | 756 | 41 | 1640 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 68 | 4556 | 67 | 4422 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | 9 | 72 | 14 | 182 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 11 | 110 | 0 | 0 |
| Hylidae | *Dendropsophus* | *melanargyreus* | 4 | 12 | 0 | 0 |
| Hylidae | *Dendropsophus* | *minusculus* | 2 | 2 | 16 | 240 |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 6 | 0 | 0 |
| Hylidae | *Hypsiboas* | *boans* | 0 | 0 | 2 | 2 |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 90 | 0 | 0 |
| Hylidae | *Hypsiboas* | *geographicus* | 3 | 6 | 4 | 12 |
| Hylidae | *Hypsiboas* | *lanciformis* | 2 | 2 | 0 | 0 |
| Hylidae | *Hypsiboas* | *punctatus* | 1 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *raniceps* | 0 | 0 | 1 | 0 |
| Hylidae | *Hypsiboas* | *wavrini* | 20 | 380 | 0 | 0 |
| Hylidae | *Lysapsus* | *Laevis* | 14 | 182 | 0 | 0 |
| Hylidae | *Osteocephalus* | *oophagus* | 2 | 2 | 6 | 30 |
| Hylidae | *Osteocephalus* | *taurinus* | 6 | 30 | 7 | 42 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 0 | 0 | 1 | 0 |
| Hylidae | *Phyllomedusa* | *vaillantii* | 8 | 56 | 1 | 0 |
| Hylidae | *Scinax* | *boesemani* | 10 | 90 | 0 | 0 |
| Hylidae | *Scinax* | *garbei* | 4 | 12 | 0 | 0 |
| Hylidae | *Scinax* | *nebulosus* | 8 | 56 | 15 | 210 |
| Hylidae | *Scinax* | *ruber* | 22 | 462 | 1 | 0 |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0 | 0 | 0 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0 | 0 | 0 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 1 | 0 | 0 | 0 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | 3 | 6 | 3 | 6 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | 6 | 30 | 66 | 4290 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | 17 | 272 | 58 | 3306 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 10 | 90 | 15 | 210 |
| Leptodactylidae | *Leptodactylus* | *petersii* | 24 | 552 | 7 | 42 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | 6 | 30 | 11 | 110 |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 2 | 0 | 0 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 0 | 0 | 26 | 650 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 0 | 0 | 5 | 20 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 0 | 0 | 3 | 6 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 0 | 0 | 1 | 0 |
| Microhylidae | *Ctenophryne* | *geayi* | 7 | 42 | 45 | 1980 |
| Microhylidae | *Hamptophryne* | *boliviana* | 0 | 0 | 116 | 13340 |
| Pipidae | *Pipa* | *pipa* | 10 | 90 | 2 | 2 |
| Ranidae | *Lithobates* | *palmipes* | 9 | 72 | 0 | 0 |
| | Total | 48 | **736** | 81496 | **1089** | 158160 |

| | North | | | | |
|---|---|---|---|---|---|
| N | = | 736 | n(n-1) | = | 540960 |
| | | | | | |
| | | | | | |
| 81496 | / | 540960 | = | 0.150651 | |
| | | | | | |
| 1 | - | 0.1507 | = | 0.849349 | |
| | | | | | |
| 1-D | = | 0.85 | | | |

South

| | | | | | |
|---|---|---|---|---|---|
| N | = | 1089 | n(n-1) | = | 1184832 |
| | | | | | |
| 158160 | / | 1184832 | = | 0.133487 | |
| | | | | | |
| 1 | - | 0.133487 | = | 0.866513 | |
| | | | | | |
| | 1-D | = | 0.87 | | |

Appendix 6. Jaccard's inverse index equation for the diversity of the four assemblages in Caxiuanã. See figure 4 for Jaccard's equation.

| Assemblages | | | Curua (n) | n(n-1) | Laranjal (n) | n(n-1) | PPBIO (n) | n(n-1) | IBAMA (n) | n(n-1) |
|---|---|---|---|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | 15 | 210 | 4 | 12 | 33 | 1056 | 0 | 0 |
| Aromobatidae | *Allobates* | *sp.* | 13 | 156 | 1 | 0 | 44 | 1892 | 1 | 0 |
| Bufonidae | *Amazophrynella* | *bokermanni* | 137 | 18632 | 106 | 11130 | 97 | 9312 | 0 | 0 |
| Bufonidae | *Rhinella* | *magnussoni* | 103 | 10506 | 16 | 240 | 335 | 111890 | 3 | 6 |
| Bufonidae | *Rhinella* | *marina* | 6 | 30 | 2 | 2 | 1 | 0 | 6 | 30 |
| Centrolenidae | *Vitreorana* | *ritae* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | 0 | 0 | 1 | 0 | 33 | 1056 | 1 | 0 |
| Craugastoridae | *Pristimantis* | *fenestratus* | 24 | 552 | 4 | 12 | 31 | 930 | 0 | 0 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | 64 | 4032 | 4 | 12 | 38 | 1406 | 13 | 156 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | 9 | 72 | 0 | 0 | 14 | 182 | 0 | 0 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | 0 | 0 | 11 | 110 | 0 | 0 | 0 | 0 |
| Hylidae | *Dendropsophus* | *melanargyreus* | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Dendropsophus* | *minusculus* | 2 | 2 | 0 | 0 | 16 | 240 | 0 | 0 |
| Hylidae | *Dendropsophus* | *minutus* | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *boans* | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| Hylidae | *Hypsiboas* | *cinerascens* | 10 | 90 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *geographicus* | 3 | 6 | 0 | 0 | 4 | 12 | 0 | 0 |
| Hylidae | *Hypsiboas* | *lanciformis* | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *punctatus* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Hypsiboas* | *raniceps* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Hylidae | *Hypsiboas* | *wavrini* | 19 | 342 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Lysapsus* | *Laevis* | 14 | 182 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Osteocephalus* | *oophagus* | 2 | 2 | 0 | 0 | 6 | 30 | 0 | 0 |
| Hylidae | *Osteocephalus* | *taurinus* | 3 | 6 | 3 | 6 | 6 | 30 | 1 | 0 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Hylidae | *Phyllomedusa* | *vaillantii* | 8 | 56 | 0 | 0 | 1 | 0 | 0 | 0 |
| Hylidae | *Scinax* | *boesemani* | 2 | 2 | 8 | 56 | 0 | 0 | 0 | 0 |
| Hylidae | *Scinax* | *garbei* | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 |
| Hylidae | *Scinax* | *nebulosus* | 6 | 30 | 2 | 2 | 13 | 156 | 2 | 2 |
| Hylidae | *Scinax* | *ruber* | 11 | 110 | 11 | 110 | 0 | 0 | 1 | 0 |
| Hylidae | *Trachycephalus* | *resinifictrix* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | 3 | 6 | 0 | 0 | 2 | 2 | 1 | 0 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | 6 | 30 | 0 | 0 | 64 | 4032 | 2 | 2 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | 7 | 42 | 10 | 90 | 58 | 3306 | 0 | 0 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | 8 | 56 | 2 | 2 | 13 | 156 | 2 | 2 |
| Leptodactylidae | *Leptodactylus* | *petersii* | 24 | 552 | 0 | 0 | 4 | 12 | 3 | 6 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | 5 | 20 | 1 | 0 | 11 | 110 | 0 | 0 |
| Leptodactylidae | *Lithodytes* | *lineatus* | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | 0 | 0 | 0 | 0 | 26 | 650 | 0 | 0 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | 0 | 0 | 0 | 0 | 5 | 20 | 0 | 0 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 0 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Microhylidae | *Ctenophryne* | *geayi* | 7 | 42 | 0 | 0 | 45 | 1980 | 0 | 0 |
| Microhylidae | *Hamptophryne* | *boliviana* | 0 | 0 | 0 | 0 | 115 | 13110 | 1 | 0 |
| Pipidae | *Pipa* | *pipa* | 9 | 72 | 1 | 0 | 2 | 2 | 0 | 0 |
| Ranidae | *Lithobates* | *palmipes* | 0 | 0 | 9 | 72 | 0 | 0 | 0 | 0 |
| | Total | 48 | **533** | **35858** | **203** | **11858** | **1023** | **151580** | **40** | **204** |

| | Curua | | | | |
|---|---|---|---|---|---|
| N | = | 533 | n(n-1) | = | 283556 |
| | | | | | |
| | | | | | |
| 35858 | / | 283556 | = | 0.126458 | |
| | | | | | |
| 1 | - | 0.126458 | = | 0.873542 | |
| | | | | | |
| 1-D | = | 0.87 | | | |

| | Laranjal | | | | |
|---|---|---|---|---|---|
| N | = | 203 | n(n-1) | = | 41006 |
| | | | | | |
| | | | | | |
| 11858 | / | 41006 | = | 0.289177 | |
| | | | | | |
| 1 | - | 0.289177 | = | 0.710823 | |
| | | | | | |
| | 1-D | = | 0.71 | | |

| | PBBIO | | | | |
|---|---|---|---|---|---|
| N | = | 1023 | n(n-1) | = | 1045506 |
| | | | | | |
| | | | | | |
| 151580 | / | 1045506 | = | 0.144982 | |
| | | | | | |
| 1 | - | 0.144982 | = | 0.855018 | |
| | | | | | |
| 1-D | = | 0.85 | | | |

| | IBAMA | | | | |
|---|---|---|---|---|---|
| N | = | 40 | n(n-1) | = | 1560 |
| | | | | | |
| | | | | | |
| 204 | / | 1560 | = | 0.130769 | |
| | | | | | |
| 1 | - | 0.130769 | = | 0.869231 | |
| | | | | | |
| 1-D | = | 0.87 | | | |

Appendix 7. Full dataset showing species, location, habitat and microhabitat, date, collector.

| Family | Genus | Species | location | Habitat | Microhabitat | Date | season | ecimal Longitu | Decimal Latitud | extra info | ance from wate | Collectors (added) | Collection number | Catelog number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | | 1997-10-22 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1313 | 15419 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.455219 | -1.737679 | ok | 0.257 | Henzl, M; J.; Galatti, U. | HERP 1951 | 8150 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Capoeira | Low vegetation | 1996-03-14 | Rainy | -51.455219 | -1.737679 | ok | 0.257 | Henzl, M; J.; Galatti, U. | HERP 1945 | 8144 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-14 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1946 | 8145 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1971 | 8169 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1252 | 6521 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | | 1992-10-26 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2191 | 5900 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | Litter | 1992-11-12 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2123 | 5901 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1272 | 6570 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | | 2002-04-11 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | Miranda, Rosivaldo | HERP: 5256 | 15822 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Terra firme | | 2002-04-11 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | Miranda, Rosivaldo | HERP: 5260 | 15825 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | Capoeira | | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1479 | 15525 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | | | 1998-02-01 | Rainy | -51.52333333 | -1.76647222 | ok | 0.005 | Ribeiro Jr., M. A. | JARB: 1479 | 15524 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1225 | 6714 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Rocha, R. A. T.; Silva, R. R. | HERP 1170 | 6686 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Laranjal | Capoeira | Litter | 1998-02-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1595 | 15574 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1587 | 15571 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1587 | 15572 |
| Aromobatidae | *Allobates* | *femoralis* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1587 | 15573 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 126 | 24234 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 250 | 24236 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 290 | 24237 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 412 | 24238 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 486 | 24239 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 505 | 24240 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 577 | 24241 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 604 | 24242 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 634 | 24243 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 722 | 24244 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 728 | 24245 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 765 | 24246 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 774 | 24247 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 796 | 24251 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 794 | 24250 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 790 | 24248 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 791 | 24249 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 891 | 24252 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 999 | 24254 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 990 | 24253 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1067 | 24255 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1110 | 24256 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-06-20 | Rainy | -51.62464 | -1.9772 | ok | 13.254 | Ribeiro Jr., M. A. | MAR 1402 | 24257 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | | 2007-06-30 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 217 | 24235 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-09-01 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Sturaro, M. | CAX 477 | 26837 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-09-05 | Dry | -51.6422 | -1.9943 | ok | 15.120 | Gomes, J. O.; Sturaro, M. | CAX 553 | 26838 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-09-09 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 637 | 26839 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-09-11 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Sturaro, M. | CAX 658 | 26840 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-09-17 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Sturaro, M. | CAX 752 | 26841 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6216 | -2.00054 | ok | 12.482 | Gomes, J. O.; Maciel, A. O. | CAX 941 | 26843 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Maciel, A. O. | CAX 910 | 26842 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-10-03 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 995 | 26844 |
| Aromobatidae | *Allobates* | *femoralis* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Maciel, A. O. | CAX 1081 | 26845 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aromobatidae | *Allobates* | *sp.* | IBAMA | | Litter | 1992-11-19 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2169 | 5894 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | | | 2002-05-22 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Luiz | TCAP: 2686 | 15762 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-10 | Rainy | -51.457257 | -1.738 | estimate | 0.463 | Henzl, M; J.; Galatti, U. | HERP 1903 | 8103 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-10 | Rainy | -51.457257 | -1.738 | estimate | 0.463 | Henzl, M; J.; Galatti, U. | HERP 1904 | 8104 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-10 | Rainy | -51.457257 | -1.738 | estimate | 0.463 | Henzl, M; J.; Galatti, U. | HERP 1905 | 8105 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-10 | Rainy | -51.457257 | -1.738 | estimate | 0.463 | Henzl, M; J.; Galatti, U. | HERP 1906 | 8106 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | | 1996-03-10 | Rainy | -51.454779 | -1.737259 | estimate | 0.190 | Henzl, M; J.; Galatti, U. | HERP 1906A | 8107 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-12 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1918 | 8117 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Litter | 1996-03-12 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1920 | 8119 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-12 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1919 | 8118 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.455219 | -1.737679 | ok | 0.257 | Henzl, M; J.; Galatti, U. | HERP 1950 | 8149 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-15 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1962 | 8161 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | | | 2002-05-22 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Hoogmoed, M. S.; Ávila Pires, T. C. S. | TCAP: 2683 | 15759 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Curuá | Várzea | Litter | 1992-10-28 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2014 | 5767 |
| Aromobatidae | *Allobates* | *sp.* | Igarapé Laranjal | | | 1998-02-06 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1473 | 15538 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 446 | 24528 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.64182 | -1.97851 | ok | 15.106 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 706 | 24530 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.978 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 755 | 24531 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-03-22 | Rainy | -51.6332 | -1.9784 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 883 | 24532 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-03-28 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1079 | 24533 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-06-16 | Rainy | -51.6332 | -1.9789 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1341 | 24535 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-06-16 | Rainy | -51.6332 | -1.9789 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1340 | 24534 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 556 | 24529 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-08-06 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Silva, K. R. A. | CAX 150 | 26953 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Silva, K. R. A. | CAX 182 | 26954 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-01 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Sturaro, M. | CAX 481 | 26955 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Sturaro, M. | CAX 607 | 26956 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Sturaro, M. | CAX 608 | 26957 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Sturaro, M. | CAX 609 | 26958 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Sturaro, M. | CAX 610 | 26959 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Sturaro, M. | CAX 613 | 26960 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Sturaro, M. | CAX 614 | 26961 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Sturaro, M. | CAX 616 | 26962 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Sturaro, M. | CAX 617 | 26963 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Sturaro, M. | CAX 620 | 26964 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.62464 | -2.0015 | ok | 12.758 | Gomes, J. O.; Sturaro, M. | CAX 624 | 26965 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-11 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Sturaro, M. | CAX 732 | 26971 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-15 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Sturaro, M. | CAX 710 | 26966 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-15 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Sturaro, M. | CAX 711 | 26967 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-16 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Sturaro, M. | CAX 728 | 26968 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-16 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Sturaro, M. | CAX 730 | 26969 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-09-16 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Sturaro, M. | CAX 731 | 26970 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 930 | 26975 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 931 | 26976 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 932 | 26977 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 933 | 26978 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Maciel, A. O. | CAX 928 | 26974 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.62464 | -2.0033 | ok | 12.748 | Gomes, J. O.; Maciel, A. O. | CAX 925 | 26973 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Maciel, A. O. | CAX 918 | 26972 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 945 | 26979 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6216 | -2.00054 | ok | 12.482 | Gomes, J. O.; Maciel, A. O. | CAX 987 | 26983 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 1069 | 26984 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 1070 | 26985 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 1071 | 26986 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 984 | 26982 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Maciel, A. O. | CAX 1082 | 26987 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Maciel, A. O. | CAX 970 | 26980 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Maciel, A. O. | CAX 1084 | 26988 |
| Aromobatidae | *Allobates* | *sp.* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Maciel, A. O. | CAX 1087 | 26989 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Baixio | Litter | 2002-05-05 | Rainy | -51.4561 | -1.7366 | estimate | 0.279 | , Equipe do curso de campo 2002 | HERP: 5203 | 15769 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Baixio | Litter | 2002-05-05 | Rainy | -51.4561 | -1.7366 | estimate | 0.279 | , Equipe do curso de campo 2002 | HERP: 5207 | 15773 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Baixio | | 2002-05-05 | Rainy | -51.455144 | -1.725806 | estimate | 0.112 | , Equipe do curso de campo 2002 | HERP: 5200 | 15766 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2002-05-05 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002 | HERP: 5204 | 15770 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Baixio | | 2002-04-05 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia. | HERP: 5199 | 15765 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-22 | Dry | | | data deficient | | , Grupo do curso de campo 2000. | Caxiuanã:003 | 11188 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-22 | Dry | | | data deficient | | , Grupo do curso de campo 2000. | Caxiuanã:009 | 11189 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-01-16 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Avila-Pires, T. C. S. | TCAP 2186 | 5921 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-08-15 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1181 | 15362 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15636 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15637 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15638 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15639 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15640 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15641 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15642 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15643 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15644 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15645 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15646 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15647 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15648 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-01 | Dry | -51.5198 | -1.7605 | estimate | 0.687 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1609 | 15649 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-15 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1613 | 15627 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-17 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1608 | 15582 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15629 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15630 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15631 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15632 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15633 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15634 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1596 | 15635 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15653 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 2002-05-19 | Rainy | -51.444672 | -1.739457 | estimate | 0.020 | Hernandez-Ruz, Emil | TCAP: 2670 | 15750 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6512 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6513 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6514 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6515 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6516 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6517 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6518 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6519 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6520 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6509 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6510 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6511 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5731 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5732 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5733 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5734 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5735 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5736 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5737 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-27 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2004 | 5766 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-11-10 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2108 | 5866 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6500 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6501 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6502 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6548 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6549 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6550 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6551 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6552 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6553 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6554 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6555 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6556 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6557 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6558 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6559 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6560 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1282 | 6590 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1282 | 6591 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4588 | -1.7273 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1279 | 6587 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4588 | -1.7273 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1279 | 6588 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6574 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6575 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6576 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6577 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6578 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6579 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6580 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6581 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6582 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-13 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1298 | 6601 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-15 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1319 | 6617 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-16 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1328 | 6637 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-20 | Dry | -51.45832 | -1.72648 | estimate | 0.346 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1353 | 6652 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-20 | Dry | -51.45832 | -1.72648 | estimate | 0.346 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1353 | 6653 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-22 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1367 | 6657 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6664 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6665 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6666 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-27 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1398 | 6676 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-27 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1395 | 6673 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-27 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1395 | 6674 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-28 | Dry | -51.4585 | -1.7268 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1403 | 6678 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 2002-04-11 | Rainy | -51.4561 | -1.7366 | estimate | 0.279 | Miranda, Rosivaldo | HERP: 5252 | 15820 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-10-11 | Dry | | | data deficient | | Montag, Luciano | Caxiuanã:014 | 11190 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1996-08-13 | Dry | -51.459746 | -1.736906 | estimate | 0.674 | Pena, Antonio Nunes | HERP 2020 | 8242 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:021 | 11191 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:022 | 11192 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:027 | 11194 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:028 | 11195 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:029 | 11196 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:046 | 11197 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:048 | 11198 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2000-11-24 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:050 | 11199 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1997-05-05 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1085 | 15318 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | Litter | 1997-12-07 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1468 | 15514 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15591 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15593 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15594 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15595 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15596 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | | Litter | 1997-10-21 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1308 | 15471 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | | Litter | 1997-10-21 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1309 | 15472 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-10-24 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1332 | 15473 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-10-25 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1334 | 15474 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-08-16 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Vaz, F. | JARB: 1185 | 15363 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1442 | 15492 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1444 | 15493 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1445 | 15494 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1446 | 15495 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1447 | 15496 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1448 | 15497 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1449 | 15498 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1450 | 15499 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1451 | 15500 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1452 | 15501 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1453 | 15502 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1454 | 15503 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1455 | 15504 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1456 | 15505 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1457 | 15506 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Curuá | | | 2003-11-08 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Vilar, Janilson | | 16008 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1281 | 15410 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1284 | 15411 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1285 | 15412 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1147 | 15219 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1151 | 15220 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1152 | 15221 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1154 | 15222 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Igapó | | 1997-08-21 | Dry | -51.3417 | -1.6578 | estimate | 0.996 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1193 | 15364 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1997-12-10 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1615 | 15579 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15616 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15617 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15618 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15619 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15620 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15621 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15622 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15623 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15624 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15602 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15603 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15604 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15605 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15606 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15607 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15608 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15609 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15610 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15611 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15612 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15613 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15614 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15615 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | Litter | 1998-04-04 | Rainy | -51.3345 | -1.6611 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1531 | 15704 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1550 | 15546 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1551 | 15547 |
| Bufonidae | Amazophrynella | bokermanni | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1552 | 15548 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15592 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15593 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15594 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15595 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Capoeira | Litter | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1585 | 15596 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | Litter | 1997-10-21 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1308 | 15471 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | Litter | 1997-10-21 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1309 | 15472 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-10-24 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1332 | 15473 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-10-25 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1334 | 15474 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-08-16 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Vaz, F. | JARB: 1185 | 15363 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1442 | 15492 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1444 | 15493 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1445 | 15494 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1446 | 15495 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1447 | 15496 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1448 | 15497 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1449 | 15498 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1450 | 15499 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1451 | 15500 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1452 | 15501 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1453 | 15502 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1454 | 15503 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1455 | 15504 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1456 | 15505 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1997-11-04 | Dry | -51.5217 | -1.7625 | estimate | 0.370 | Rocha, R. A. T.; Vaz, F. | JARB: 1457 | 15506 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 2003-11-08 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Vilar, Janilson | | 16008 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1281 | 15410 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1284 | 15411 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3328 | -1.6586 | estimate | 0.097 | , Moradores Locais | JARB: 1285 | 15412 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1147 | 15219 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1151 | 15220 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1152 | 15221 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1154 | 15222 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | | 1997-08-21 | Dry | -51.3417 | -1.6578 | estimate | 0.996 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1193 | 15364 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-12-10 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1615 | 15579 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15616 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15617 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15618 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15619 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15620 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15621 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15622 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15623 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1590 | 15624 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15602 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15603 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15604 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15605 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15606 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15607 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15608 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15609 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15610 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15611 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15612 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15613 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15614 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-02-01 | Rainy | -51.5187 | -1.7577 | estimate | 0.973 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1602 | 15615 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1998-04-04 | Rainy | -51.3345 | -1.6611 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1531 | 15704 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1550 | 15546 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1551 | 15547 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1552 | 15548 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-04-06 | Rainy | -51.3335 | -1.6609 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1557 | 15549 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1998-04-06 | Rainy | -51.3335 | -1.6609 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1558 | 15550 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1998-04-07 | Rainy | -51.3352 | -1.6611 | estimate | 0.170 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1574 | 15553 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1998-04-07 | Rainy | -51.3352 | -1.6611 | estimate | 0.170 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1575 | 15554 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-04-07 | Rainy | -51.3375 | -1.6623 | estimate | 0.397 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1571 | 15551 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1998-04-07 | Rainy | -51.3375 | -1.6623 | estimate | 0.397 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1573 | 15552 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1249 | 15394 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1250 | 15395 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1251 | 15396 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1252 | 15397 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1253 | 15398 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1254 | 15399 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1255 | 15400 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1256 | 15401 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1257 | 15402 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1258 | 15403 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1262 | 15404 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1263 | 15405 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1265 | 15406 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1266 | 15407 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1267 | 15408 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-23 | Dry | -51.3471 | -1.6594 | estimate | 1.496 | Braga, I. C. | JARB: 1268 | 15409 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1997-08-25 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Gonçalves, R. C. | JARB: 1290 | 15413 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | Litter | 1997-08-25 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Gonçalves, R. C. | JARB: 1300 | 15414 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-29 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1367 | 15481 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-29 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1368 | 15482 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-30 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1377 | 15484 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | | 1997-10-30 | Dry | -51.3458 | -1.6607 | estimate | 1.335 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1385 | 15483 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | | 1997-10-30 | Dry | -51.3458 | -1.6607 | estimate | 1.335 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1388 | 15485 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | | 1997-10-30 | Dry | -51.3458 | -1.6607 | estimate | 1.335 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1389 | 15486 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | | 1997-10-30 | Dry | -51.3458 | -1.6607 | estimate | 1.335 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1401 | 15487 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-11-01 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1408 | 15488 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-11-02 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1423 | 15489 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-11-02 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1424 | 15490 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-11-02 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1425 | 15491 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1341 | 15475 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1354 | 15476 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1355 | 15477 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1356 | 15478 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1357 | 15479 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Capoeira | | 1997-10-28 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | ocha, R. A. T.; Bernardi, J. A. R.; Souza, J. R. | JARB: 1361 | 15480 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1204 | 15365 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1205 | 15366 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1206 | 15367 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1207 | 15368 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1208 | 15369 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1209 | 15370 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1210 | 15371 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1211 | 15372 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1212 | 15373 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1213 | 15374 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1214 | 15375 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1215 | 15376 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1216 | 15377 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1217 | 15378 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1219 | 15379 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1220 | 15380 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1221 | 15381 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1222 | 15382 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1223 | 15383 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1224 | 15384 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1226 | 15385 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1227 | 15386 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1228 | 15387 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Igapó | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1235 | 15388 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1245 | 15391 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1246 | 15392 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | Terra firme | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1244 | 15393 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1238 | 15389 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Laranjal | | Litter | 1997-08-22 | Dry | -51.3442 | -1.657 | estimate | 1.267 | . T.; de Souza, I. C. R.; Gonçalves, E. C.; Gonç | JARB: 1242 | 15390 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 134 | 24609 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 145 | 24610 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 247 | 24615 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 242 | 24614 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 236 | 24613 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 228 | 24611 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 232 | 24612 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 303 | 24616 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 400 | 24623 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 401 | 24624 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 402 | 24625 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 394 | 24619 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 395 | 24620 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 396 | 24621 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 397 | 24622 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 333 | 24618 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 322 | 24617 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 442 | 24628 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 443 | 24629 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 444 | 24630 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 416 | 24626 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 417 | 24627 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 473 | 24634 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 476 | 24635 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 477 | 24636 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 478 | 24637 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 462 | 24633 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 455 | 24631 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 456 | 24632 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 480 | 24638 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 488 | 24640 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 489 | 24641 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 482 | 24639 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 517 | 24642 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 518 | 24643 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-07 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 525 | 24644 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 600 | 24655 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 584 | 24654 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 576 | 24653 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 574 | 24651 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 575 | 24652 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 610 | 24658 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 611 | 24659 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 601 | 24656 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 602 | 24657 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 675 | 24661 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 637 | 24660 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-12 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 679 | 24664 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-12 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 676 | 24662 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-12 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 677 | 24663 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-02-13 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 692 | 24665 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 727 | 24666 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | | | 2007-03-16 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 717 | 29075 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 764 | 24669 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 771 | 24670 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 746 | 24668 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 745 | 24667 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 777 | 24672 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | | | 2007-03-19 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 771 | 24671 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 807 | 24675 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 797 | 24673 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 801 | 24674 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-22 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 877 | 24676 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 991 | 24677 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-28 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1070 | 24678 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1155 | 24682 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1150 | 24681 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1144 | 24679 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1145 | 24680 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1202 | 24683 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | | | 2007-06-24 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1202 | 24684 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 542 | 24650 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 526 | 24645 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 527 | 24646 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 528 | 24647 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 529 | 24648 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 530 | 24649 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-08-17 | Dry | -51.65111 | -1.96028 | estimate | 16.435 | Gomes, J. O.; Silva, K. R. A. | CAX 394 | 27014 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-08-20 | Dry | -51.6514 | -1.9638 | ok | 16.453 | Gomes, J. O.; Silva, K. R. A. | CAX 437 | 27015 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-08-20 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Sturaro, M. | CAX 475 | 27018 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-08-20 | Dry | -51.6422 | -1.9969 | ok | 15.442 | Gomes, J. O.; Sturaro, M. | CAX 473 | 27017 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-08-20 | Dry | -51.6514 | -1.9638 | ok | 16.453 | Gomes, J. O.; Sturaro, M. | CAX 454 | 27016 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Sturaro, M. | CAX 505 | 27020 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.6422 | -1.9969 | ok | 15.442 | Gomes, J. O.; Sturaro, M. | CAX 495 | 27019 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-03 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Sturaro, M. | CAX 521 | 27021 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-06 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Sturaro, M. | CAX 567 | 27022 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-10 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Sturaro, M. | CAX 649 | 27023 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-13 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Sturaro, M. | CAX 690 | 27024 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-16 | Dry | -51.6422 | -1.9952 | ok | 15.127 | Gomes, J. O.; Sturaro, M. | CAX 721 | 27025 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-29 | Dry | -51.6234 | -2.00054 | ok | 12.663 | Gomes, J. O.; Maciel, A. O. | CAX 818 | 27026 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-30 | Dry | -51.6422 | -1.9943 | ok | 15.120 | Gomes, J. O.; Maciel, A. O. | CAX 859 | 27028 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-09-30 | Dry | -51.6514 | -1.9719 | ok | 16.306 | Gomes, J. O.; Maciel, A. O. | CAX 843 | 27027 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Maciel, A. O. | CAX 980 | 26981 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-10-11 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Maciel, A. O. | CAX 1133 | 27029 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-10-11 | Dry | -51.63777778 | -1.96028 | estimate | 14.925 | Gomes, J. O.; Maciel, A. O. | CAX 1158 | 27030 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-10-13 | Dry | -51.6511 | -1.9605 | estimate | 16.331 | Gomes, J. O.; Maciel, A. O. | CAX 1173 | 27031 |
| Bufonidae | *Amazophrynella* | *bokermanni* | PPBIO plot | Terra firme | Litter | 2007-10-14 | Dry | -51.6456 | -1.96028 | estimate | 15.868 | Gomes, J. O.; Maciel, A. O. | CAX 1188 | 27032 |
| Bufonidae | *Amazophrynella* | *bokermanni* | | | | 2002-01-01 | Rainy | | | data deficient | | Praxedes, C. | | 17432 |
| Bufonidae | *Amazophrynella* | *bokermanni* | | | | 2002-01-01 | Rainy | | | data deficient | | Praxedes, C. | | 17433 |
| Bufonidae | *Amazophrynella* | *bokermanni* | | | | 2002-01-01 | Rainy | | | data deficient | | Praxedes, C. | | 17434 |
| Bufonidae | *Rhinella* | *magnussoni* | IBAMA | | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1326 | 6634 |
| Bufonidae | *Rhinella* | *magnussoni* | IBAMA | | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1326 | 6635 |
| Bufonidae | *Rhinella* | *magnussoni* | IBAMA | | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1327 | 6636 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1997-02-01 | Rainy | | | data deficient | | , Alunos da FCAP | | 8371 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | Litter | 2002-05-05 | Rainy | -51.455144 | -1.725806 | estimate | 0.112 | , Equipe do curso de campo 2002 | HERP: 5201 | 15767 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | Litter | 2002-05-05 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002 | HERP: 5202 | 15768 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 2002-04-09 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5239 | 15805 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 2002-04-10 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5251 | 15816 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 2002-04-11 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5264 | 15829 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | | 2002-05-07 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia | HERP: 5224 | 15790 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1995-11-06 | Dry | | | data deficient | | Almeida, Samuel | | 7612 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1997-06-29 | Rainy | -51.4554 | -1.7366 | ok | 0.204 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1138 | 15310 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1997-12-18 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15654 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15657 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15658 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15659 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15660 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15661 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1998-03-31 | Rainy | -51.5241 | -1.7665 | estimate | 0.050 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1520 | 15701 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1997-08-12 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T.; Vaz, F. | JARB: 1168 | 15359 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Igapó | Litter | 1996-08-10 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Guimarães, D. D. S. | HERP 2009 | 8235 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-10 | Rainy | -51.457257 | -1.738 | estimate | 0.463 | Henzl, M; J.; Galatti, U. | HERP 1899 | 8100 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | Litter | 1996-03-10 | Rainy | -51.448975 | -1.792727 | estimate | 0.066 | Henzl, M; J.; Galatti, U. | HERP 1911 | 8110 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | | 1996-03-11 | Rainy | -51.454779 | -1.737259 | estimate | 0.190 | Henzl, M; J.; Galatti, U. | HERP 1912 | 8111 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1996-03-12 | Rainy | -51.443653 | -1.768019 | estimate | 0.604 | Henzl, M; J.; Galatti, U. | HERP 1925 | 8124 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | | 1996-03-12 | Rainy | -51.454779 | -1.737259 | estimate | 0.190 | Henzl, M; J.; Galatti, U. | HERP 1928 | 8127 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1996-03-13 | Rainy | -51.4543 | -1.737 | ok | 0.134 | Henzl, M; J.; Galatti, U. | HERP 1935 | 8134 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-13 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1931 | 8130 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-14 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Henzl, M; J.; Galatti, U. | HERP 1952 | 8151 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1980 | 8179 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1981 | 8180 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1991 | 8191 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 2002-05-19 | Rainy | -51.444672 | -1.739457 | estimate | 0.020 | Hernandez-Ruz, Emil | TCAP: 2668 | 15748 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 2002-05-19 | Rainy | -51.444672 | -1.739457 | estimate | 0.020 | Hernandez-Ruz, Emil | TCAP: 2669 | 15749 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 2002-05-19 | Rainy | -51.444672 | -1.739457 | estimate | 0.020 | Hernandez-Ruz, Emil | TCAP: 2671 | 15751 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 2002-05-20 | Rainy | -51.444672 | -1.739457 | estimate | 0.020 | Hernandez-Ruz, Emil | TCAP: 2674 | 15752 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 2002-05-22 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Hernandez-Ruz, Emil | TCAP: 2685 | 15761 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1250 | 6507 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1250 | 6508 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Hoogmoed, M. S. | HERP 1340 | 6643 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1263 | 6564 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1263 | 6565 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1263 | 6566 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1293 | 6571 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1273 | 6572 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1273 | 6573 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1277 | 6585 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-12 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1290 | 6596 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-19 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1341 | 6644 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1381 | 6663 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-27 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1394 | 6672 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1993-07-28 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1404 | 6679 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1996-02-01 | Rainy | | | data deficient | | Mascarenhas, B. M. | | 8210 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1996-02-01 | Rainy | | | data deficient | | Mascarenhas, B. M. | | 8211 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1996-02-01 | Rainy | | | data deficient | | Mascarenhas, B. M. | | 8212 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-17 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 911 | 15248 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-17 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 912 | 15249 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-18 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 914 | 15250 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-18 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 915 | 15251 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1997-04-18 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 917 | 15309 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 920 | 15252 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 921 | 15253 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 922 | 15254 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 929 | 15255 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 933 | 15256 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-19 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 938 | 15258 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 937 | 15257 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 939 | 15259 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 940 | 15260 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 941 | 15261 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 942 | 15262 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-20 | Rainy | -51.45361111 | -1.73674444 | ok | 0.075 | Ribeiro Jr., M. A. | JARB: 943 | 15263 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.445466 | -1.738696 | ok | 0.086 | Ribeiro Jr., M. A. | JARB: 988 | 15316 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 959 | 15265 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 960 | 15266 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 957 | 15264 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-23 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 997 | 15267 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-04-28 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1037 | 15289 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1084 | 15274 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1086 | 15275 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1087 | 15276 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1088 | 15277 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1089 | 15278 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1090 | 15279 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1091 | 15280 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | Litter | 1997-05-02 | Rainy | -51.604629 | -1.777144 | estimate | 0.135 | Ribeiro Jr., M. A. | JARB: 1092 | 15281 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | Litter | 1997-05-05 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1111 | 15288 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1997-05-05 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1101 | 15282 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | | 1998-02-01 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Ribeiro Jr., M. A. | JARB: 1481 | 15517 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | | 1996-08-10 | Dry | -51.453953 | -1.72393 | estimate | 0.291 | Rocha, R. A. T. | HERP 2014 | 8238 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | | 1996-08-10 | Dry | -51.453953 | -1.72393 | estimate | 0.291 | Rocha, R. A. T. | HERP 2015 | 8239 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | | 1996-08-10 | Dry | -51.453953 | -1.72393 | estimate | 0.291 | Rocha, R. A. T. | HERP 2016 | 8240 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Baixio | | 1996-08-10 | Dry | -51.453953 | -1.72393 | estimate | 0.291 | Rocha, R. A. T. | HERP 2017 | 8241 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1996-08-10 | Dry | -51.456592 | -1.723866 | estimate | 0.318 | Rocha, R. A. T. | HERP 2012 | 8236 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-19 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Rocha, R. A. T.; Silva, R. R. | HERP 1181 | 6693 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-22 | Rainy | -51.4445 | -1.7371 | estimate | 0.165 | Rocha, R. A. T.; Silva, R. R. | HERP 1186 | 6698 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-22 | Rainy | -51.4445 | -1.7371 | estimate | 0.165 | Rocha, R. A. T.; Silva, R. R. | HERP 1187 | 6699 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1213 | 6710 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1229 | 6716 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1230 | 6717 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-29 | Rainy | -51.4422 | -1.7471 | estimate | 0.149 | Rocha, R. A. T.; Silva, R. R. | HERP 1235 | 6720 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1993-04-30 | Rainy | -51.4452 | -1.7463 | estimate | 0.359 | Rocha, R. A. T.; Silva, R. R. | HERP 1236 | 6721 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Terra firme | | 1997-10-22 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Vaz, F. | JARB: 1436 | 15420 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | | 1997-11-04 | Dry | -51.523 | -1.7668 | estimate | 0.010 | Rocha, R. A. T.; Vaz, F. | JARB: 1433 | 15422 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | Capoeira | | 1997-11-04 | Dry | -51.523 | -1.7668 | estimate | 0.010 | Rocha, R. A. T.; Vaz, F. | JARB: 1437 | 15423 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Curuá | | | 1994-04-15 | Rainy | | | data deficient | | Silva, R. R.; Junior, Arlindo | | 6948 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1155 | 15311 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | | Litter | 1997-07-01 | Dry | -51.34694444 | -1.657 | ok | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1157 | 15312 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Igapó | Litter | 1997-10-31 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1399 | 15421 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1556 | 15541 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-04-24 | Rainy | -51.334 | -1.6594 | estimate | 0.132 | Ribeiro Jr., M. A. | JARB: 1001 | 15268 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-04-24 | Rainy | -51.334 | -1.6594 | estimate | 0.132 | Ribeiro Jr., M. A. | JARB: 1014 | 15269 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-04-24 | Rainy | -51.334 | -1.6594 | estimate | 0.132 | Ribeiro Jr., M. A. | JARB: 1015 | 15270 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-04-24 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 1016 | 15271 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Terra firme | Litter | 1997-04-28 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1073 | 15290 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-01 | Rainy | -51.34694444 | -1.65694444 | ok | 1.549 | Ribeiro Jr., M. A. | JARB: 1080 | 15272 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-01 | Rainy | -51.34694444 | -1.65694444 | ok | 1.549 | Ribeiro Jr., M. A. | JARB: 1082 | 15273 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-05 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1102 | 15283 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-05 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1103 | 15284 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-05 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1106 | 15285 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-05 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1107 | 15286 |
| Bufonidae | *Rhinella* | *magnussoni* | Igarapé Laranjal | Capoeira | Litter | 1997-05-05 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1109 | 15287 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-27 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 98 | 24258 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-28 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 101 | 24259 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 112 | 24264 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 119 | 24265 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 120 | 24266 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 122 | 24267 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 123 | 24268 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 128 | 24269 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 129 | 24270 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 130 | 24271 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 131 | 24272 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 135 | 24273 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 136 | 24274 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 103 | 24260 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 107 | 24262 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 106 | 24261 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 109 | 24263 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 171 | 24293 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 167 | 24292 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 165 | 24290 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 166 | 24291 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 160 | 24287 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 161 | 24288 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 162 | 24289 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 153 | 24282 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 154 | 24283 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 155 | 24284 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 156 | 24285 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 157 | 24286 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 149 | 24278 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 150 | 24279 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 151 | 24280 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 152 | 24281 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 143 | 24275 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 144 | 24276 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 147 | 24277 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 174 | 24294 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 127 | 24295 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 178 | 24296 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24299 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24300 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24301 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24302 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24303 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24304 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24305 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24306 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24307 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24308 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24309 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24310 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24311 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 182 | 24312 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 180 | 24297 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 181 | 24298 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 185 | 24314 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 186 | 24315 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 187 | 24316 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 188 | 24317 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 184 | 24313 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 201 | 24318 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 220 | 24332 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 221 | 24333 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 223 | 24334 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 227 | 24336 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 202 | 24319 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 203 | 24320 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 204 | 24321 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 205 | 24322 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 206 | 24323 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 207 | 24324 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 208 | 24325 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 210 | 24326 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 211 | 24327 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 212 | 24328 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 213 | 24329 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 214 | 24330 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-01-31 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 215 | 24331 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-01-31 | Rainy | -51.6494 | -1.9691 | ok | 16.121 | Santos, R. C.; Moraes, E. R. N. | MAR 225 | 24335 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 258 | 24350 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 259 | 24351 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 261 | 24352 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 253 | 24348 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 254 | 24349 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 251 | 24347 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 248 | 24346 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 243 | 24344 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 244 | 24345 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 237 | 24340 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 238 | 24341 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 239 | 24342 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 240 | 24343 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 230 | 24337 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 229 | 29087 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 233 | 24338 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 234 | 24339 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 286 | 24365 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 287 | 24366 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 271 | 24359 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 273 | 24360 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 274 | 24361 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 275 | 24362 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 276 | 24363 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 277 | 24364 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 264 | 24354 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 265 | 24355 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 266 | 24356 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 267 | 24357 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 268 | 24358 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 291 | 24367 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 292 | 24368 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 263 | 24353 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 300 | 24370 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 301 | 24371 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 302 | 24372 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 299 | 24369 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 304 | 24373 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 305 | 24374 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 306 | 24375 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 307 | 24376 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 308 | 24377 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 308 | 24378 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 310 | 24379 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 311 | 24380 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 312 | 24381 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 313 | 24382 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 314 | 24383 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 315 | 24384 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 383 | 24396 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 384 | 24397 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 387 | 24398 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 390 | 24399 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 391 | 24400 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 355 | 24395 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 337 | 24393 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 338 | 24394 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 327 | 24388 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 328 | 24389 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 329 | 24390 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 334 | 24391 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 335 | 24392 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 324 | 24386 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 325 | 24387 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 321 | 24385 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 323 | 29077 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 435 | 24409 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 433 | 24408 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 436 | 24410 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 437 | 24411 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 425 | 24407 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 421 | 24406 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 414 | 24404 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 415 | 24405 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 411 | 24402 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 413 | 24403 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 410 | 24401 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 470 | 24420 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 472 | 24421 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 479 | 24422 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 467 | 24419 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 458 | 24418 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 451 | 24414 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 452 | 24415 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 453 | 24416 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 454 | 24417 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 448 | 24412 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 449 | 24413 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 501 | 24426 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 487 | 24424 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 490 | 24425 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 481 | 24423 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 511 | 24429 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 510 | 24428 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 506 | 24427 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 590 | 24439 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 592 | 24440 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 594 | 24441 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 595 | 24442 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 599 | 24443 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 586 | 24438 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 580 | 24437 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 609 | 24445 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-09 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 603 | 24444 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-10 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 623 | 24448 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-10 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 616 | 24447 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-10 | Rainy | -51.6557 | -1.96028 | ok | 16.965 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 615 | 24446 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 664 | 24452 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 648 | 24451 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 630 | 24449 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 631 | 24450 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-12 | Rainy | -51.6522 | -1.96028 | ok | 16.607 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 690 | 24453 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-02-13 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 694 | 24454 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-03-16 | Rainy | -51.63777778 | -2.00054 | estimate | 14.222 | Candiani, D. S.; Carvalho, L. S. | MAR 729 | 24455 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-03-17 | Rainy | -51.6199 | -1.9871 | ok | 12.609 | Carvalho, L. S. | MAR 742 | 24456 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-03-17 | Rainy | -51.6289 | -1.9871 | ok | 13.566 | Carvalho, L. S. | MAR 743 | 24457 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-03-17 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 772 | 24464 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 760 | 24460 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 767 | 24461 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 768 | 24462 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 769 | 24463 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 754 | 24459 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-18 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 751 | 24458 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 785 | 24465 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.6539 | -1.96028 | ok | 16.789 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 788 | 24466 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 862 | 24467 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 865 | 24468 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-22 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 887 | 24469 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 926 | 24471 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 899 | 24470 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 983 | 24472 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1002 | 24473 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1047 | 24474 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-28 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1078 | 24475 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1114 | 24476 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1188 | 24477 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1214 | 24478 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-08 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 01 | 26846 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-08 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 02 | 26847 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-08 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 03 | 26848 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-09 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1260 | 24480 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-09 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. F. H. | MAR 1256 | 24479 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-10 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 14 | 26849 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-10 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. | MAR 1275 | 24482 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-10 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. | MAR 1266 | 24481 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 17 | 26850 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-12 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. | MAR 1316 | 24483 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. | MAR 1372 | 24485 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. | MAR 1364 | 24484 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. | MAR 1383 | 24487 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. | MAR 1382 | 24486 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-20 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. | MAR 1406 | 24488 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-21 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O. | CAX 35 | 26851 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-06-23 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O. | CAX 40 | 26852 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-24 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1431 | 24489 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-26 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1458 | 24491 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-26 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1456 | 24490 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-06-26 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1459 | 24492 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 565 | 24434 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 567 | 24435 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 541 | 24433 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 539 | 24432 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 534 | 24430 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 535 | 24431 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | | | 2007-07-02 | Dry | -51.63777778 | -1.96021111 | estimate | 14.925 | Silva, A. S. B. | MAR 572 | 24436 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 63 | 26853 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 64 | 26854 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6422 | -1.9889 | ok | 15.114 | Gomes, J. O.; Silva, K. R. A. | CAX 91 | 26856 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6422 | -1.9889 | ok | 15.114 | Gomes, J. O.; Silva, K. R. A. | CAX 92 | 26857 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6422 | -1.9943 | ok | 15.120 | Gomes, J. O.; Silva, K. R. A. | CAX 101 | 26859 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6422 | -1.9961 | ok | 15.442 | Gomes, J. O.; Silva, K. R. A. | CAX 96 | 26858 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6514 | -1.9638 | ok | 16.453 | Gomes, J. O.; Silva, K. R. A. | CAX 73 | 26855 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-05 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Silva, K. R. A. | CAX 120 | 26861 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-05 | Dry | -51.6514 | -1.9659 | estimate | 16.432 | Gomes, J. O.; Silva, K. R. A. | CAX 110 | 26860 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-06 | Dry | -51.6153 | -1.9825 | estimate | 12.109 | Gomes, J. O.; Silva, K. R. A. | CAX 143 | 26863 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-06 | Dry | -51.6514 | -1.9683 | ok | 16.404 | Gomes, J. O.; Silva, K. R. A. | CAX 131 | 26862 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Silva, K. R. A. | CAX 184 | 26870 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Silva, K. R. A. | CAX 189 | 26871 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Silva, K. R. A. | CAX 177 | 26868 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6332 | -1.96021111 | estimate | 14.440 | Gomes, J. O.; Silva, K. R. A. | CAX 178 | 26869 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6422 | -1.9943 | ok | 15.120 | Gomes, J. O.; Silva, K. R. A. | CAX 171 | 26866 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Silva, K. R. A. | CAX 157 | 26865 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-07 | Dry | -51.6422 | -1.9961 | ok | 15.442 | Gomes, J. O.; Silva, K. R. A. | CAX 175 | 26867 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O. | CAX 222 | 26875 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O. | CAX 223 | 26876 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Silva, K. R. A. | CAX 212 | 26873 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.6422 | -1.9898 | ok | 15.106 | Gomes, J. O.; Silva, K. R. A. | CAX 196 | 26872 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.6514 | -1.9674 | ok | 16.411 | Gomes, J. O.; Silva, K. R. A. | CAX 215 | 26874 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O. | CAX 242 | 26878 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O. | CAX 243 | 26879 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.6422 | -1.9961 | ok | 15.442 | Gomes, J. O.; Silva, K. R. A. | CAX 229 | 26877 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-10 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Silva, K. R. A. | CAX 267 | 26880 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-11 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Silva, K. R. A. | CAX 277 | 26881 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-13 | Dry | -51.6153 | -1.9825 | estimate | 12.109 | Gomes, J. O.; Silva, K. R. A. | CAX 312 | 26882 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-13 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Silva, K. R. A. | CAX 321 | 26883 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-13 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Silva, K. R. A. | CAX 328 | 26884 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 350 | 26887 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 353 | 26888 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.6422 | -1.9906 | ok | 15.089 | Gomes, J. O.; Silva, K. R. A. | CAX 334 | 26885 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.6422 | -1.9969 | ok | 15.442 | Gomes, J. O.; Silva, K. R. A. | CAX 337 | 26886 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-15 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Silva, K. R. A. | CAX 362 | 26889 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-16 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 376 | 26891 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-16 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 377 | 26892 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-16 | Dry | -51.6514 | -1.9674 | ok | 16.411 | Gomes, J. O.; Silva, K. R. A. | CAX 373 | 26890 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-17 | Dry | -51.65111 | -1.96028 | estimate | 16.435 | Gomes, J. O.; Silva, K. R. A. | CAX 392 | 26893 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-08-20 | Dry | -51.6514 | -1.9647 | ok | 16.430 | Gomes, J. O.; Silva, K. R. A. | CAX 438 | 26894 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-01 | Dry | -51.6422 | -1.9915 | ok | 15.097 | Gomes, J. O.; Sturaro, M. | CAX 468 | 26895 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-01 | Dry | -51.6422 | -1.9934 | ok | 15.116 | Gomes, J. O.; Sturaro, M. | CAX 469 | 26896 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.62464 | -2.0024 | ok | 12.754 | Gomes, J. O.; Sturaro, M. | CAX 499 | 26899 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.62464 | -1.96876 | estimate | 13.319 | Gomes, J. O.; Sturaro, M. | CAX 500 | 26900 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Sturaro, M. | CAX 503 | 26901 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Sturaro, M. | CAX 507 | 26902 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.6422 | -1.9889 | ok | 15.114 | Gomes, J. O.; Sturaro, M. | CAX 487 | 26897 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Sturaro, M. | CAX 489 | 26898 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-03 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Sturaro, M. | CAX 516 | 26903 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-04 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Sturaro, M. | CAX 538 | 26904 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-05 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Sturaro, M. | CAX 556 | 26907 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-05 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Sturaro, M. | CAX 557 | 26908 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-05 | Dry | -51.6422 | -1.9925 | ok | 15.104 | Gomes, J. O.; Sturaro, M. | CAX 542 | 26905 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-05 | Dry | -51.6422 | -1.9934 | ok | 15.116 | Gomes, J. O.; Sturaro, M. | CAX 543 | 26906 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-07 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O.; Sturaro, M. | CAX 586 | 26909 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6216 | -2.00054 | ok | 12.482 | Gomes, J. O.; Sturaro, M. | CAX 606 | 26912 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6422 | -1.9925 | ok | 15.104 | Gomes, J. O.; Sturaro, M. | CAX 600 | 26910 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-08 | Dry | -51.6422 | -1.9969 | ok | 15.442 | Gomes, J. O.; Sturaro, M. | CAX 604 | 26911 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-09 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 635 | 26913 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-10 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 653 | 26914 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-11 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Sturaro, M. | CAX 723 | 26916 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-11 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 665 | 26915 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-09-29 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 826 | 26917 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 936 | 26920 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6422 | -1.9969 | ok | 15.442 | Gomes, J. O.; Maciel, A. O. | CAX 906 | 26919 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6514 | -1.9719 | ok | 16.306 | Gomes, J. O.; Maciel, A. O. | CAX 886 | 26918 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6514 | -1.9719 | ok | 16.306 | Gomes, J. O.; Silva, K. R. A. | CAX 955 | 26864 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Maciel, A. O. | CAX 983 | 26925 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.62464 | -2.0015 | ok | 12.758 | Gomes, J. O.; Maciel, A. O. | CAX 975 | 26923 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.62464 | -2.0015 | ok | 12.758 | Gomes, J. O.; Maciel, A. O. | CAX 976 | 26924 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 989 | 26926 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 990 | 26927 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Maciel, A. O. | CAX 955 | 26782 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Maciel, A. O. | CAX 965 | 26922 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.6514 | -1.9638 | ok | 16.453 | Gomes, J. O.; Maciel, A. O. | CAX 963 | 26921 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-03 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Maciel, A. O. | CAX 1006 | 26928 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-04 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Maciel, A. O. | CAX 1021 | 26929 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Maciel, A. O. | CAX 1048 | 26931 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.62464 | -2.0015 | ok | 12.758 | Gomes, J. O.; Maciel, A. O. | CAX 1045 | 26930 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Maciel, A. O. | CAX 1050 | 26932 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.62464 | -1.9988 | ok | 12.840 | Gomes, J. O.; Maciel, A. O. | CAX 1051 | 26933 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Maciel, A. O. | CAX 1083 | 26937 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.62464 | -2.0015 | ok | 12.758 | Gomes, J. O.; Maciel, A. O. | CAX 1080 | 26936 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Maciel, A. O. | CAX 1060 | 26935 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6514 | -1.9656 | ok | 16.432 | Gomes, J. O.; Maciel, A. O. | CAX 1057 | 26934 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-09 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Maciel, A. O. | CAX 1118 | 26938 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-11 | Dry | -51.6543 | -1.9691 | estimate | 16.627 | Gomes, J. O.; Maciel, A. O. | CAX 1145 | 26939 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-11 | Dry | -51.6543 | -1.9691 | estimate | 16.627 | Gomes, J. O.; Maciel, A. O. | CAX 1146 | 26940 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-12 | Dry | -51.6514 | -1.9647 | ok | 16.430 | Gomes, J. O.; Maciel, A. O. | CAX 1151 | 26949 |
| Bufonidae | *Rhinella* | *magnussoni* | PPBIO plot | Terra firme | Litter | 2007-10-12 | Dry | -51.6543 | -1.9691 | estimate | 16.627 | Gomes, J. O.; Maciel, A. O. | CAX 1156 | 26950 |
| Bufonidae | *Rhinella* | *magnussoni* | | | | 1994-06-11 | Rainy | | | data deficient | | Hoogmoed, M. S. | HERP 1790 | 7099 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 1992-10-22 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1950 | 5742 |
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 1992-10-22 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1950 | 5743 |
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 2003-12-02 | Dry | -51.434072 | -1.792341 | estimate | 0.112 | Pezutti, J. | | 17410 |
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 2003-12-02 | Dry | -51.434072 | -1.792341 | estimate | 0.112 | Pezutti, J. | | 17411 |
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 2003-12-02 | Dry | -51.434072 | -1.792341 | estimate | 0.112 | Pezutti, J. | | 17412 |
| Bufonidae | *Rhinella* | *marina* | IBAMA | | | 2003-12-02 | Dry | -51.434072 | -1.792341 | estimate | 0.112 | Pezutti, J. | | 17413 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | Capoeira | Litter | 1996-03-10 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1896 | 8097 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | Capoeira | | 1996-03-13 | Rainy | -51.4548 | -1.7372 | ok | 0.185 | Henzl, M; J.; Galatti, U. | HERP 1943 | 8142 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | Capoeira | | 1993-07-17 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Hoogmoed, M. S.; Moraes, R. J. R. | HERP 1335 | 6639 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1281 | 6589 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | | | 1997-04-22 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 952 | 15308 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Curuá | | | 2001-10-07 | Dry | | | data deficient | | Vaz, Flavio; Martins, M. | AKITA: 69 | 14493 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Laranjal | | | 1997-08-21 | Dry | -51.3426 | -1.6569 | estimate | 1.103 | Rocha, R. A. T. | JARB: 1201 | 15326 |
| Bufonidae | *Rhinella* | *marina* | Igarapé Laranjal | | | 1997-08-21 | Dry | -51.3426 | -1.6569 | estimate | 1.103 | Rocha, R. A. T. | JARB: 1202 | 15327 |
| Bufonidae | *Rhinella* | *marina* | PPBIO plot | | | | | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro-Jr., M. A. | CAX 1190 | 26951 |
| Bufonidae | *Rhinella* | *marina* | | | Litter | 1992-10-25 | Dry | | | data deficient | | Hoogmoed, M. S.; Avila-Pires, T. C. S. | TCAP 1985 | 5933 |
| Centrolenidae | *Vitreorana* | *ritae* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Avila-Pires, T. C. S; Gomes, J. O. | CAX 23 | 26952 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | IBAMA | | | 1993-07-22 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Seabra, Paulo | HERP 1372 | 6661 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | Igarapé Laranjal | | | 1998-05-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Rael, J.; Souza, C. | | 15625 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 369 | 24497 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 358 | 24494 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 359 | 24495 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 360 | 24496 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 343 | 24493 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 649 | 24499 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 645 | 24498 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 700 | 24500 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 714 | 24501 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 715 | 24502 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 719 | 24504 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 720 | 24505 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 721 | 24506 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 717 | 24503 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 815 | 24507 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 816 | 24508 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 817 | 24509 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 818 | 24510 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 996 | 24511 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 997 | 24512 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1044 | 24513 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1170 | 24518 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1158 | 24515 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1159 | 24516 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1160 | 24517 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1157 | 24514 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1238 | 24520 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1239 | 24521 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1240 | 24522 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1241 | 24523 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. | MAR 1232 | 24519 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-13 | Rainy | -51.6332 | -1.9735 | ok | 14.213 | Ribeiro Jr., M. A. | MAR 1306 | 24524 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. | MAR 1394 | 24525 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ceratophryidae | *Ceratophrys* | *cornuta* | | Terra firme | Litter | 2004-04-09 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; V | CAIÇ: 054 | 17414 |
| Ceratophryidae | *Ceratophrys* | *cornuta* | | Terra firme | | 2004-04-10 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; V | CAIÇ: 054 | 17415 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1998-03-31 | Rainy | -51.5217 | -1.7645 | estimate | 0.240 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1519 | 16184 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1996-03-12 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1922 | 8121 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1996-03-14 | Rainy | -51.45361111 | -1.73688889 | estimate | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1947 | 8146 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1996-03-14 | Rainy | -51.45361111 | -1.73688889 | estimate | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1948 | 8147 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1974 | 8173 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1975 | 8174 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1989 | 8189 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1990 | 8190 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | | 2002-05-17 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Hoogmoed, M. S.; Ávila Pires, T. C. S. | TCAP: 2663 | 15746 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1993-07-18 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R. | HERP 1337 | 6640 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1288 | 6595 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | | 1993-07-14 | Dry | -51.4588 | -1.7273 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1310 | 6614 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Low vegetation | 1993-07-24 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1388 | 6671 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | Litter | 1993-07-28 | Dry | -51.4582 | -1.7267 | estimate | 0.315 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1406 | 6681 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1997-04-22 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 0962 | 15203 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1997-04-22 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 0989 | 15204 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1997-04-22 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 0995 | 15205 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1997-04-28 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1038 | 15206 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | Terra firme | | 1996-08-09 | Dry | -51.459746 | -1.736906 | estimate | 0.674 | Rocha, R. A. T. | HERP 2008 | 8234 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1993-04-22 | Rainy | -51.4445 | -1.7371 | estimate | 0.165 | Rocha, R. A. T.; Silva, R. R. | HERP 1185 | 6697 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1993-04-23 | Rainy | -51.4455 | -1.7374 | estimate | 0.077 | Rocha, R. A. T.; Silva, R. R. | HERP 1191 | 6700 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1993-04-23 | Rainy | -51.4455 | -1.7374 | estimate | 0.077 | Rocha, R. A. T.; Silva, R. R. | HERP 1193 | 6701 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1208 | 6707 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1211 | 6708 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Laranjal | | Litter | 1998-04-04 | Rainy | -51.3384 | -1.6598 | estimate | 0.559 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1534 | 15707 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Laranjal | Terra firme | | 1998-02-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1603 | 15590 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Laranjal | Terra firme | Litter | 1998-02-08 | Rainy | -51.3513 | -1.6581 | estimate | 2.000 | Ribeiro Jr., M. A. | JARB: 1491 | 15536 |
| Craugastoridae | *Pristimantis* | *fenestratus* | Igarapé Laranjal | Terra firme | Litter | 1998-02-08 | Rainy | -51.3513 | -1.6581 | estimate | 2.000 | Ribeiro Jr., M. A. | JARB: 1492 | 15537 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 993 | 24685 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. | MAR 1296 | 24687 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. | MAR 1234 | 24686 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | | | 2007-06-10 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 11 | 27033 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | | | 2007-06-10 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Avila-Pires, T. C. S. | CAX 12 | 27034 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | | | 2007-06-10 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Silva, K. R. A. | CAX 13 | 27035 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-10 | Rainy | -51.62464 | -1.96835 | ok | 13.322 | Ribeiro Jr., M. A. | MAR 1274 | 24689 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-10 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. | MAR 1267 | 24688 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-13 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. | MAR 1324 | 24690 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-14 | Rainy | -51.6332 | -1.9717 | ok | 14.225 | Ribeiro Jr., M. A. | MAR 1331 | 24691 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-15 | Rainy | -51.6288 | -1.96028 | ok | 13.948 | Ribeiro Jr., M. A. | MAR 1331 | 24692 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-17 | Rainy | -51.62464 | -1.97246 | ok | 13.297 | Ribeiro Jr., M. A. | MAR 1331 | 24693 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. | MAR 1365 | 24694 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-21 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1412 | 24695 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-26 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1457 | 24696 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | | 2007-06-26 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1465 | 24697 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-03 | Dry | -51.6216 | -2.00054 | ok | 12.482 | Gomes, J. O.; Silva, K. R. A. | CAX 61 | 27037 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-03 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Silva, K. R. A. | CAX 45 | 27036 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-08 | Dry | -51.62464 | -1.96876 | estimate | 13.319 | Gomes, J. O. | CAX 207 | 27038 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 238 | 27039 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-11 | Dry | -51.62464 | -2.0006 | ok | 12.753 | Gomes, J. O.; Silva, K. R. A. | CAX 285 | 27040 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-12 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 302 | 27042 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-12 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Silva, K. R. A. | CAX 308 | 27043 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-12 | Dry | -51.6422 | -1.9898 | ok | 15.106 | Gomes, J. O.; Silva, K. R. A. | CAX 291 | 27041 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | | | 2007-08-13 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Silva, K. R. A. | CAX 319 | 27044 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-18 | Dry | -51.62464 | -1.9997 | ok | 12.806 | Gomes, J. O.; Silva, K. R. A. | CAX 402 | 27046 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-18 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Silva, K. R. A. | CAX 398 | 27045 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-31 | Dry | -51.6422 | -1.9906 | ok | 15.089 | Gomes, J. O.; Sturaro, M. | CAX 449 | 27049 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-31 | Dry | -51.6514 | -1.9674 | ok | 16.411 | Gomes, J. O.; Sturaro, M. | CAX 448 | 27048 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-08-31 | Dry | -51.6514 | -1.9647 | ok | 16.430 | Gomes, J. O.; Sturaro, M. | CAX 446 | 27047 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-03 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Sturaro, M. | CAX 524 | 27050 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-06 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Sturaro, M. | CAX 569 | 27051 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-12 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Sturaro, M. | CAX 670 | 27052 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6332 | -1.96021111 | estimate | 14.440 | Gomes, J. O.; Maciel, A. O. | CAX 772 | 27053 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Maciel, A. O. | CAX 776 | 26670 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Maciel, A. O. | CAX 775 | 27054 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Maciel, A. O. | CAX 778 | 27055 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-09-29 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 825 | 27056 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Maciel, A. O. | CAX 991 | 27057 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-10-03 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Maciel, A. O. | CAX 1001 | 27058 |
| Craugastoridae | *Pristimantis* | *fenestratus* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O.; Maciel, A. O. | CAX 1052 | 27059 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 1995-11-26 | Dry | -51.4375 | -1.8725 | estimate | 0.395 | Espósito, Cristina | | 7621 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.43305556 | -1.7925 | ok | 0.107 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11560 | 34607 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.435 | -1.79111111 | ok | 0.160 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11553 | 34601 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.43555556 | -1.79138889 | ok | 0.247 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11554 | 34602 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.43555556 | -1.79138889 | ok | 0.247 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11555 | 34603 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.43666667 | -1.79111111 | ok | 0.327 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11556 | 34604 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.4375 | -1.79083333 | ok | 0.337 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11558 | 34606 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | | 2012-02-15 | Rainy | -51.43722222 | -1.79111111 | ok | 0.337 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11557 | 34605 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | Litter | 1992-10-23 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1960 | 5749 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | Terra firme | Litter | 1992-11-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2149 | 5878 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | | Litter | 1992-11-19 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2168 | 5893 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | Terra firme | Litter | 1993-07-13 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1306 | 6604 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | IBAMA | Terra firme | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1324 | 6620 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1997-02-01 | Rainy | | | data deficient | | , Alunos da FCAP | | 8370 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 2002-04-11 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5263 | 15828 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Baixio | | 2002-05-07 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002/Zoologia | HERP: 5225 | 15791 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | | | -51.45361111 | -1.73688889 | estimate | 0.096 | , Funcionários da Base/ECFP | | 9150 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | | 1991-05-16 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Almeida, Samuel | | 5902 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1993-01-14 | Rainy | -51.457579 | -1.737763 | estimate | 0.497 | Avila-Pires, T. C. S. | TCAP 2178 | 5915 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1993-01-15 | Rainy | -51.45568 | -1.737591 | estimate | 0.295 | Avila-Pires, T. C. S.; Gorayeb, I. | TCAP 2182 | 5919 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1997-06-20 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1114 | 15305 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1997-06-20 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1115 | 15306 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1997-06-27 | Rainy | -51.4554 | -1.7366 | ok | 0.204 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1128 | 15307 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | | 1992-06-27 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Brígida, M. Santa | | 5904 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2002-05-22 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Cunha, O. R. | TCAP: 2681 | 15758 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | | 1991-10-18 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Dias, José Orlando | | 5903 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2012-02-14 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ferreira, L. | MSH 11552 | 34600 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2002-05-17 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Galatti, U.; , Fernando | TCAP: 2662 | 15745 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2002-05-17 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | Galatti, U.; , Fernando | TCAP: 2664 | 15747 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | Litter | 1996-03-11 | Rainy | -51.454779 | -1.737259 | estimate | 0.190 | Henzl, M; J.; Galatti, U. | HERP 1917 | 8116 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | High vegetation | 1996-03-12 | Rainy | -51.443653 | -1.768019 | estimate | 0.604 | Henzl, M; J.; Galatti, U. | HERP 1926 | 8125 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | High vegetation | 1996-03-12 | Rainy | -51.443653 | -1.768019 | estimate | 0.604 | Henzl, M; J.; Galatti, U. | HERP 1927 | 8126 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1996-03-12 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1921 | 8120 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | High vegetation | 1996-03-13 | Rainy | -51.4545 | -1.737 | ok | 0.219 | Henzl, M; J.; Galatti, U. | HERP 1936 | 8135 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | High vegetation | 1996-03-13 | Rainy | -51.4545 | -1.737 | ok | 0.219 | Henzl, M; J.; Galatti, U. | HERP 1937 | 8136 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1996-03-14 | Rainy | -51.45361111 | -1.73688889 | estimate | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1949 | 8148 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | Litter | 1996-03-16 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1973 | 8171 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | | 1996-03-16 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1973 A | 8172 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-16 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1972 | 8170 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1986 | 8184 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1987 | 8186 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1988 | 8188 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-03-17 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 2000 | 8201 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1986 A | 8185 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1987 A | 8187 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1999 | 8200 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2012-02-09 | Rainy | -51.45444444 | -1.73722222 | ok | 0.165 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11473 | 34596 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2012-02-09 | Rainy | -51.45444444 | -1.73805556 | estimate | 0.244 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11474 | 34597 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1992-11-03 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2054 | 5807 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1992-11-11 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2116 | 5912 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1993-07-12 | Dry | -51.456378 | -1.737314 | ok | 0.344 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1291 | 6597 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1993-07-19 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1342 | 6645 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 2004-04-06 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Maschio, G.F. | CAIÇ: 044 | 17418 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 2002-04-11 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | Miranda, Rosivaldo | HERP: 5261 | 15826 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 2000-11-26 | Dry | | | data deficient | | Prudente, A. L. C. | Caxiuanã:068 | 11200 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 954 | 15303 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 955 | 15304 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1997-04-23 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 999 | 15215 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1997-04-28 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1039 | 15216 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | Litter | 1997-04-28 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 948 | 15214 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | Litter | 1997-05-02 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1083 | 15217 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Capoeira | Litter | 1997-05-05 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1100 | 15218 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1998-01-23 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1514 | 15562 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1996-08-08 | Dry | -51.459746 | -1.736906 | estimate | 0.674 | Rocha, R. A. T. | HERP 2006 | 8232 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-08-13 | Dry | -51.458523 | -1.737078 | estimate | 0.453 | Rocha, R. A. T. | HERP 2021 | 8243 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | Terra firme | | 1996-08-15 | Dry | -51.458523 | -1.737078 | estimate | 0.453 | Rocha, R. A. T. | HERP 2026 | 8244 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-18 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Rocha, R. A. T.; Silva, R. R. | | 6723 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-24 | Rainy | -51.4452 | -1.7365 | estimate | 0.359 | Rocha, R. A. T.; Silva, R. R. | HERP 1201 | 6705 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1207 | 6706 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1214 | 6711 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1217 | 6712 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1221 | 6713 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1226 | 6715 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-04-28 | Rainy | -51.4455 | -1.7442 | estimate | 0.195 | Rocha, R. A. T.; Silva, R. R. | HERP 1231 | 6718 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Rocha, R. A. T.; Silva, R. R. | HERP 1171 | 6687 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Rocha, R. A. T.; Silva, R. R. | HERP 1172 | 6688 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Rocha, R. A. T.; Silva, R. R. | HERP 1174 | 6689 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Laranjal | Capoeira | | 1997-11-02 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1422 | 15418 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Laranjal | Terra firme | Litter | 1997-12-01 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1627 | 15563 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1591 | 15585 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Igarapé Laranjal | | | 1997-08-25 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Gonçalves, R. C. | JARB: 1301 | 15361 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11491 | 34582 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11492 | 34583 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11493 | 34584 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | Hoogmoed, M. S.; Avila-Pires, T. C. S. | MSH 11498 | 34587 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.44388889 | -1.99916667 | ok | 0.045 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11499 | 34588 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11494 | 34585 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41944444 | -1.95916667 | ok | 0.063 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11496 | 34586 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.41638889 | -1.96166667 | ok | 0.063 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11497 | 34598 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.43861111 | -2.00111111 | ok | 0.647 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11500 | 34589 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.43861111 | -2.00111111 | ok | 0.647 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11501 | 34590 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.43861111 | -2.00111111 | ok | 0.647 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11502 | 34591 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.43861111 | -2.00111111 | ok | 0.647 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11506 | 34593 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-11 | Rainy | -51.43805556 | -2.00444444 | ok | 0.790 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11504 | 34592 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-12 | Rainy | -51.43083333 | -2.005 | ok | 1.595 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11512 | 34594 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-12 | Rainy | -51.43027778 | -2.005 | ok | 1.658 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11513 | 34595 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | Other | | | 2012-02-12 | Rainy | -51.42861111 | -2.00305556 | ok | 1.870 | M. S.; Avila-Pires, T. C. S.; Macedo, L. C.; Cost | MSH 11510 | 34599 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-01-31 | Rainy | -51.6208 | -1.9691 | ok | 12.909 | Moraes, E. R. N.; Santos, R. C. | MAR 226 | 24578 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-02-01 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Moraes, E. R. N.; Santos, R. C. | MAR 316 | 24579 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6199 | -1.96028 | ok | 13.015 | Santos, M. R. | MAR 405 | 24580 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-02-03 | Rainy | -51.6402 | -1.9871 | ok | 14.838 | Silva, A. S. B. | MAR 447 | 24581 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-02-05 | Rainy | -51.62464 | -1.96835 | ok | 13.322 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 502 | 24582 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.64981 | -1.97851 | ok | 16.049 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 515 | 24583 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 703 | 24587 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.62464 | -1.96883 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 701 | 24585 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.62464 | -1.96883 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 702 | 24586 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-03-19 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Candiani, D. F. | MAR 789 | 24590 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 781 | 24588 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 784 | 24589 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-21 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 871 | 24592 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-22 | Rainy | -51.62464 | -1.96988 | ok | 13.319 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 884 | 24593 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-24 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 937 | 24594 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1113 | 24595 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1117 | 24596 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1118 | 24597 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1119 | 24598 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-03-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 804 | 24591 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-06-10 | Rainy | -51.6199 | -1.96028 | ok | 13.015 | Ribeiro Jr., M. A. | MAR 1276 | 24599 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-06-12 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. | MAR 1276 | 24600 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-06-15 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O. | CAX 31 | 26992 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | | 2007-06-21 | Rainy | -51.62464 | -1.96835 | ok | 13.322 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1413 | 24601 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-06-22 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O. | CAX 31 | 26993 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | | | 2007-07-02 | Dry | -51.63777778 | -1.96021111 | estimate | 14.925 | Silva, A. S. B. | MAR 573 | 24584 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-08-03 | Dry | -51.6422 | -1.9915 | ok | 15.097 | Gomes, J. O.; Silva, K. R. A. | CAX 50 | 26994 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-08-15 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 365 | 26995 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-08-17 | Dry | -51.6422 | -1.9915 | ok | 15.097 | Gomes, J. O.; Silva, K. R. A. | CAX 378 | 26996 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-09-02 | Dry | -51.6514 | -1.9659 | estimate | 16.432 | Gomes, J. O.; Sturaro, M. | CAX 486 | 26997 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-09-11 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 666 | 26998 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-09-13 | Dry | -51.6332 | -1.96021111 | estimate | 14.440 | Gomes, J. O.; Sturaro, M. | CAX 688 | 27000 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-09-13 | Dry | -51.6514 | -1.9656 | ok | 16.432 | Gomes, J. O.; Sturaro, M. | CAX 687 | 26999 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6332 | -1.96021111 | estimate | 14.440 | Gomes, J. O.; Maciel, A. O. | CAX 688 | 27001 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-10-06 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O.; Maciel, A. O. | CAX 1054 | 27002 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-10-07 | Dry | -51.6422 | -1.9889 | ok | 15.114 | Gomes, J. O.; Maciel, A. O. | CAX 1063 | 27003 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-10-08 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Maciel, A. O. | CAX 1102 | 27005 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | PPBIO plot | Terra firme | Litter | 2007-10-08 | Dry | -51.6422 | -1.9889 | ok | 15.114 | Gomes, J. O.; Maciel, A. O. | CAX 1094 | 27004 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | | | | 1996-03-17 | Rainy | | | data deficient | | Henzl, M; J.; Galatti, U. | HERP 2001 | 8202 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | | | | 1996-03-17 | Rainy | | | data deficient | | Henzl, M; J.; Galatti, U. | HERP 2002 | 8203 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | | | | 1996-03-17 | Rainy | | | data deficient | | Henzl, M; J.; Galatti, U. | HERP 2004 | 8205 |
| Dendrobatidae | *Adelphobates* | *galactonotus* | | | | 2004-03-01 | Rainy | | | data deficient | | Técnicos do CBO/MPEG. | | 17306 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | Terra firme | | 1993-01-15 | Rainy | -51.45568 | -1.737591 | estimate | 0.295 | Avila-Pires, T. C. S.; Gorayeb, I. | TCAP 2181 | 5918 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | | Litter | 1998-03-30 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1513 | 15699 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | | Litter | 1998-04-02 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1527 | 15702 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | Terra firme | | 1998-01-23 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Valente, R. | JARB: 1512 | 15543 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | Terra firme | Litter | 1996-03-17 | Rainy | -51.456152 | -1.738996 | estimate | 0.695 | Henzl, M; J.; Galatti, U. | HERP 1996 | 8196 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | Terra firme | | 1993-07-22 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1366 | 6656 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | | | 1993-04-19 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Rocha, R. A. T.; Silva, R. R. | HERP 1176 | 6691 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | | | 1993-04-27 | Rainy | -51.4472 | -1.7439 | estimate | 0.307 | Rocha, R. A. T.; Silva, R. R. | HERP 1212 | 6709 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | Igarapé Curuá | | | 1998-01-23 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Valente, R. | JARB: 1476 | 15561 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | | | 2007-01-30 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 140 | 24602 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | | | 2007-02-06 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Silva, A. S. B. | MAR 523 | 24603 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | | | 2007-02-06 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Silva, A. S. B. | MAR 524 | 24604 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 583 | 24605 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 699 | 24606 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | | 2007-03-17 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 736 | 24607 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | | 2007-03-24 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 934 | 24608 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 62 | 27006 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.63777778 | -1.9691 | estimate | 14.771 | Gomes, J. O.; Silva, K. R. A. | CAX 352 | 27007 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-08-19 | Dry | -51.63777778 | -1.96028 | estimate | 14.925 | Gomes, J. O.; Silva, K. R. A. | CAX 425 | 27008 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | | | 2007-08-20 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro-Jr., M. A. | CAX 445 | 27009 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-09-04 | Dry | -51.6385 | -1.996 | estimate | 14.382 | Gomes, J. O.; Sturaro, M. | CAX 536 | 27010 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-09-29 | Dry | -51.6153 | -1.9825 | estimate | 12.109 | Gomes, J. O.; Maciel, A. O. | CAX 763 | 27011 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | PPBIO plot | Terra firme | Litter | 2007-10-11 | Dry | -51.6543 | -1.9691 | estimate | 16.627 | Gomes, J. O.; Maciel, A. O. | CAX 1144 | 27012 |
| Dendrobatidae | *Ranitomeya* | *amazonica* | | | | 2004-03-28 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A. | CAIÇ: 001 | 17417 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1482 | 8801 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1483 | 8802 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1484 | 8803 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1485 | 8804 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1486 | 8805 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1487 | 8806 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R. | JARB 1488 | 8807 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R. | JARB 1536 | 8808 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | | 1998-01-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1592 | 15587 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | | 1998-01-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1592 | 15588 |
| Hylidae | *Dendropsophus* | *leucophyllatus* | Igarapé Laranjal | | | 1998-01-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1592 | 15589 |
| Hylidae | *Dendropsophus* | *melanargyreus* | Igarapé Curuá | | | 1997-05-03 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 1096 | 8811 |
| Hylidae | *Dendropsophus* | *melanargyreus* | Igarapé Curuá | | | 1997-05-04 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 1097 | 8812 |
| Hylidae | *Dendropsophus* | *melanargyreus* | Igarapé Curuá | | | 1997-12-01 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Ribeiro Jr., M. A. | JARB: 1466 | 15527 |
| Hylidae | *Dendropsophus* | *melanargyreus* | Igarapé Laranjal | | Aquatic vegetation | 1997-12-06 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Ribeiro Jr., M. A. | JARB: 1467 | 15528 |
| Hylidae | *Dendropsophus* | *minusculus* | Igarapé Curuá | | low vegetation | 2002-05-06 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002.Zoologia | HERP: 5218 | 15784 |
| Hylidae | *Dendropsophus* | *minusculus* | Igarapé Curuá | | low vegetation | 2002-05-06 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002.Zoologia | HERP: 5219 | 15785 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-24 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 940 | 24805 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1088 | 24806 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1089 | 24807 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1090 | 24808 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1091 | 24809 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1092 | 24810 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1093 | 24811 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1094 | 24812 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1095 | 24813 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1096 | 24814 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1097 | 24815 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1098 | 24816 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1099 | 24817 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1100 | 24818 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1139 | 24819 |
| Hylidae | *Dendropsophus* | *minusculus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1140 | 24820 |
| Hylidae | *Dendropsophus* | *minutus* | Igarapé Curuá | Baixio | Low vegetation | 2002-05-07 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002/Zoologia | HERP: 5221 | 15787 |
| Hylidae | *Dendropsophus* | *minutus* | Igarapé Curuá | Baixio | Low vegetation | 2002-05-07 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002/Zoologia | HERP: 5221 | 15788 |
| Hylidae | *Dendropsophus* | *minutus* | Igarapé Curuá | Baixio | Low vegetation | 2002-05-07 | Rainy | -51.455047 | -1.725699 | estimate | 0.116 | , Equipe do curso de campo 2002/Zoologia | HERP: 5223 | 15789 |
| Hylidae | *Hypsiboas* | *boans* | PPBIO plot | | | 2007-09-17 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Sturaro, M. | CAX 755 | 27066 |
| Hylidae | *Hypsiboas* | *boans* | PPBIO plot | | | 2007-09-17 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Sturaro, M. | CAX 756 | 27067 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Terra firme | High vegetation | 1996-03-15 | Rainy | -51.4569 | -1.7374 | estimate | 0.400 | Henzl, M; J.; Galatti, U. | HERP 1967 | 8166 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | Low vegetation | 1993-07-09 | Dry | -51.4559 | -1.7245 | estimate | 0.227 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1259 | 6543 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | Low vegetation | 1993-07-09 | Dry | -51.4559 | -1.7245 | estimate | 0.227 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1259 | 6544 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | Low vegetation | 1993-07-19 | Dry | -51.456099 | -1.72678 | estimate | 0.141 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1350 | 6650 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-15 | Rainy | -51.4533 | -1.7362 | estimate | 0.000 | Henzl, M; J.; Galatti, U. | HERP 1966 | 8165 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-15 | Rainy | -51.4533 | -1.7362 | estimate | 0.000 | Henzl, M; J.; Galatti, U. | HERP 1968 | 8167 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-15 | Rainy | -51.4545 | -1.7377 | estimate | 0.219 | Henzl, M; J.; Galatti, U. | HERP 1965 | 8164 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | | 2002-05-05 | Rainy | -51.453373 | -1.736692 | estimate | 0.054 | , Equipe do curso de campo 2002 | HERP: 5211 | 15777 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | | 2002-05-05 | Rainy | -51.453373 | -1.736692 | estimate | 0.054 | , Equipe do curso de campo 2002 | HERP: 5212 | 15778 |
| Hylidae | *Hypsiboas* | *cinerascens* | Igarapé Curuá | Igapó | | 2002-05-05 | Rainy | -51.453373 | -1.736692 | estimate | 0.054 | , Equipe do curso de campo 2002 | HERP: 5213 | 15779 |
| Hylidae | *Hypsiboas* | *geographicus* | Igarapé Curuá | Terra firme | High vegetation | 1996-03-15 | Rainy | -51.4569 | -1.7374 | estimate | 0.400 | Henzl, M; J.; Galatti, U. | HERP 1963 | 8162 |
| Hylidae | *Hypsiboas* | *geographicus* | Igarapé Curuá | Igapó | Low vegetation | 2002-05-05 | Rainy | -51.453373 | -1.736692 | estimate | 0.054 | , Equipe do curso de campo 2002 | HERP: 5214 | 15780 |
| Hylidae | *Hypsiboas* | *geographicus* | Igarapé Curuá | | | 2005-03-29 | Rainy | | | data deficient | | Valente, Renata | | 18616 |
| Hylidae | *Hypsiboas* | *geographicus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1141 | 24821 |
| Hylidae | *Hypsiboas* | *geographicus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1142 | 24822 |
| Hylidae | *Hypsiboas* | *geographicus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1143 | 24823 |
| Hylidae | *Hypsiboas* | *geographicus* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O. | CAX 27 | 27068 |
| Hylidae | *Hypsiboas* | *lanciformis* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1469 | 8829 |
| Hylidae | *Hypsiboas* | *lanciformis* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1537 | 8830 |
| Hylidae | *Hypsiboas* | *punctatus* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R. | JARB 1538 | 8813 |
| Hylidae | *Hypsiboas* | *raniceps* | IBAMA | | High vegetation | 1992-11-16 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2155 | 5888 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | High vegetation | 1992-11-06 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2079 | 5907 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Várzea | High vegetation | 1993-11-11 | Dry | -51.4569 | -1.7371 | estimate | 0.400 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2121 | 5911 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | High vegetation | 1996-03-14 | Rainy | -51.454253 | -1.73607 | estimate | 0.066 | Henzl, M; J.; Galatti, U. | HERP 1959 | 8158 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | High vegetation | 1996-03-14 | Rainy | -51.454253 | -1.73607 | estimate | 0.066 | Henzl, M; J.; Galatti, U. | HERP 1960 | 8159 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Várzea | High vegetation | 1997-04-29 | Rainy | -51.4527 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1074 | 15314 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Várzea | High vegetation | 1997-04-29 | Rainy | -51.4527 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1075 | 15315 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 1044 | 15317 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | Litter | 1997-10-20 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1307 | 15417 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Várzea | Low vegetation | 1992-10-26 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1996 | 5905 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Várzea | Low vegetation | 1992-10-26 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1996 | 5906 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | Low vegetation | 2002-05-06 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia | HERP: 5216 | 15782 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1993-01-16 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Avila-Pires, T. C. S. | TCAP 2189 | 5923 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1997-04-23 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 0996 | 15199 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1997-08-09 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R.; Barbosa, A. C. | JARB: 1161 | 15319 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1997-08-10 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T.; Vaz, F. | JARB: 1162 | 15320 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1997-08-10 | Dry | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T.; Vaz, F. | JARB: 1163 | 15321 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1997-08-16 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 1187 | 15322 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | Capoeira | | 1997-08-24 | Dry | -51.4553 | -1.7369 | ok | 0.215 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1276 | 15323 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Curuá | | | 1999-10-29 | Dry | -51.443653 | -1.768019 | estimate | 0.604 | Andrade, Iracenir | | 15718 |
| Hylidae | *Hypsiboas* | *wavrini* | Igarapé Laranjal | Capoeira | Litter | 1997-11-02 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1426 | 15416 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1939 | 8138 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1940 | 8139 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1941 | 8140 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1942 | 8141 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | Aquatic vegetation | 1997-11-22 | Dry | -51.4447 | -1.7406 | estimate | 0.000 | Valente, R. | JARB: 1459 | 15516 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Terra firme | Litter | 1997-04-29 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1076 | 15213 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-14 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1961 | 8160 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Várzea | | 1997-04-26 | Rainy | -51.455047 | -1.724745 | ok | 0.210 | Ribeiro Jr., M. A. | JARB: 1034 | 15211 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Várzea | | 1997-04-26 | Rainy | -51.455047 | -1.724745 | ok | 0.210 | Ribeiro Jr., M. A. | JARB: 1035 | 15212 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1031 | 15208 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1032 | 15209 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1033 | 15210 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Várzea | | 1997-04-29 | Rainy | -51.4524 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1077 | 15201 |
| Hylidae | *Lysapsus* | *Laevis* | Igarapé Curuá | Várzea | | 1997-04-29 | Rainy | -51.4524 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1078 | 15202 |
| Hylidae | *Osteocephalus* | *oophagus* | Igarapé Curuá | Igapó | | 1998-03-31 | Rainy | -51.5242 | -1.7672 | estimate | 0.014 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1522 | 15700 |
| Hylidae | *Osteocephalus* | *oophagus* | Igarapé Curuá | | | 2000-11-01 | Dry | -51.45527778 | -1.738 | ok | 0.295 | quipe do curso de campo zoologia MPEG/UFF | | 15719 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1111 | 24965 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | Litter | 2007-08-19 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Sturaro, M. | CAX 426 | 27079 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6336 | -1.9835 | ok | 14.204 | Avila-Pires, T. C. S. | CAX 244 | 27082 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | Litter | 2007-09-28 | Dry | -51.6422 | -1.96021111 | estimate | 15.431 | Gomes, J. O.; Maciel, A. O. | CAX 782 | 27081 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | Litter | 2007-10-05 | Dry | -51.6336 | -1.9835 | ok | 14.204 | Ribeiro-Jr., M. A. | CAX 1023 | 27080 |
| Hylidae | *Osteocephalus* | *oophagus* | PPBIO plot | Terra firme | Litter | 2007-10-13 | Dry | -51.6511 | -1.9605 | estimate | 16.331 | Gomes, J. O.; Maciel, A. O. | CAX 1175 | 27083 |
| Hylidae | *Osteocephalus* | *taurinus* | IBAMA | | Litter | 1992-10-22 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1951 | 5745 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Curuá | Terra firme | Low vegetation | 2002-05-05 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002 | HERP: 5208 | 15774 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Curuá | Terra firme | | 1993-01-15 | Rainy | -51.45568 | -1.737591 | estimate | 0.295 | Avila-Pires, T. C. S.; Gorayeb, I. | TCAP 2188 | 5922 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Curuá | | | 1993-04-30 | Rainy | -51.4452 | -1.7463 | estimate | 0.359 | Rocha, R. A. T.; Silva, R. R. | HERP 1241 | 6722 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Laranjal | | | 1997-08-25 | Dry | -51.34694444 | -1.65694444 | estimate | 1.549 | Gonçalves, R.Corrêa | JARB: 1301 | 14279 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Laranjal | | | 1997-11-02 | Dry | -51.47 | -1.72 | ok | 0.172 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1427 | 14277 |
| Hylidae | *Osteocephalus* | *taurinus* | Igarapé Laranjal | | | 1998-03-01 | Rainy | -51.34694444 | -1.65694444 | estimate | 1.549 | Souza, J.Rael C. | JARB: 1580 | 14278 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-01-26 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 95 | 24967 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-01-26 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 96 | 24968 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-01-26 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 94 | 24966 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 319 | 24969 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 320 | 24970 |
| Hylidae | *Osteocephalus* | *taurinus* | PPBIO plot | | | 2007-02-05 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 522 | 24971 |
| Hylidae | *Phyllomedusa* | *hypochondrialis* | IBAMA | | Litter | 1992-10-24 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1977 | 5754 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Igapó | High vegetation | 1993-07-19 | Dry | -51.45545 | -1.72634 | estimate | 0.092 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1348 | 6648 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Terra firme | High vegetation | 1996-03-09 | Rainy | -51.4563 | -1.737 | ok | 0.344 | Henzl, M; J.; Galatti, U. | HERP 1893 | 8094 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Igapó | | 1993-07-19 | Dry | -51.456099 | -1.726504 | estimate | 0.147 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1349 | 6649 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Igapó | | 1993-07-19 | Dry | -51.456099 | -1.726504 | estimate | 0.147 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1416 | 6684 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Igapó | | 1993-07-19 | Dry | -51.456099 | -1.726504 | estimate | 0.147 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1416 | 6949 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | Igapó | | 1993-07-19 | Dry | -51.456099 | -1.726504 | estimate | 0.147 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1416 | 6950 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | | | 1997-05-02 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1094 | 15200 |
| Hylidae | *Phyllomedusa* | *vaillantii* | Igarapé Curuá | | | 2002-05-05 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5215 | 15781 |
| Hylidae | *Phyllomedusa* | *vaillantii* | PPBIO plot | Terra firme | Litter | 2007-09-07 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O.; Sturaro, M. | CAX 588 | 27084 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Curuá | Várzea | High vegetation | 1997-04-29 | Rainy | -51.4527 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1079 | 15245 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Curuá | Capoeira | Litter | 1997-10-28 | Dry | -51.454993 | -1.737806 | estimate | 0.254 | ernardi, J. A. R.; Rocha, R. A. T.; Souza, J. C. | JARB 1362 | 8819 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Ribeiro Jr., M. A. | JARB: 1471 | 15521 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1539 | 15710 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1539 | 15711 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1539 | 15712 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1540 | 15714 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | | Aquatic vegetation | 1998-04-04 | Rainy | -51.3518 | -1.6549 | estimate | 2.157 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1541 | 15715 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | Capoeira | Litter | 1997-11-01 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1416 | 15415 |
| Hylidae | *Scinax* | *boesemani* | Igarapé Laranjal | Capoeira | | 1997-08-25 | Dry | -51.604629 | -1.777144 | ok | 0.135 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1289 | 15246 |
| Hylidae | *Scinax* | *garbei* | Igarapé Curuá | | Aquatic vegetation | 1997-06-22 | Rainy | -51.453524 | -1.736605 | estimate | 0.054 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1122 | 8824 |
| Hylidae | *Scinax* | *garbei* | Igarapé Curuá | | Low vegetation | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1948 | 5741 |
| Hylidae | *Scinax* | *garbei* | Igarapé Curuá | Igapó | | 1997-06-24 | Rainy | -51.44027778 | -1.74833333 | estimate | 0.162 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1126 | 8825 |
| Hylidae | *Scinax* | *garbei* | Igarapé Laranjal | Capoeira | Litter | 1997-08-23 | Dry | -51.3345 | -1.6611 | estimate | 0.109 | , Moradores do local | JARB: 1287 | 15325 |
| Hylidae | *Scinax* | *nebulosus* | IBAMA | | | 1993-04-19 | Rainy | -51.4375 | -1.8725 | estimate | 0.395 | Rocha, R. A. T.; Silva, R. R. | HERP 1183 | 6695 |
| Hylidae | *Scinax* | *nebulosus* | IBAMA | | | 1993-04-19 | Rainy | -51.4375 | -1.8725 | estimate | 0.395 | Rocha, R. A. T.; Silva, R. R. | HERP 1184 | 6696 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1938 | 8137 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | | Aquatic vegetation | 1997-06-22 | Rainy | -51.453524 | -1.736605 | estimate | 0.054 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1123 | 8820 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | | Low vegetation | 2002-05-06 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia | HERP: 5217 | 15783 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | Igapó | | 1993-07-11 | Dry | -51.4553 | -1.7264 | estimate | 0.071 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1285 | 6593 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | | | 1995-11-06 | Dry | | | data deficient | | Almeida, Samuel | | 7613 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Curuá | Capoeira | | 1997-08-23 | Dry | -51.45361111 | -1.73674444 | data deficient | 0.075 | Rocha, R. A. T.; Braga, Izael C. | JARB 1272 | 8821 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Laranjal | | Aquatic vegetation | 1998-05-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1600 | 15555 |
| Hylidae | *Scinax* | *nebulosus* | Igarapé Laranjal | | | 1997-08-24 | Dry | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1278 | 8822 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-23 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 928 | 24993 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-24 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 939 | 24994 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-26 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1033 | 24995 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1101 | 24996 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1102 | 24997 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1103 | 24998 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1104 | 24999 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1105 | 25000 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1106 | 25001 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-27 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1107 | 25002 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-03-29 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1138 | 25003 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | Terra firme | Litter | 2007-06-11 | Rainy | -51.6336 | -1.9835 | ok | 14.204 | Souza, I. A. | CAX 24 | 27090 |
| Hylidae | *Scinax* | *nebulosus* | PPBIO plot | | | 2007-06-11 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Souza, I. A. | CAX 25 | 27091 |
| Hylidae | *Scinax* | *ruber* | IBAMA | Capoeira | | 1992-11-17 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2165 | 5891 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | Litter | 1996-03-09 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1894 | 8095 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | Litter | 1996-03-09 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1895 | 8096 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | Litter | 1996-03-16 | Rainy | -51.4553 | -1.73734 | ok | 0.243 | Henzl, M; J.; Galatti, U. | HERP 1970 | 8168 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | | | 1997-04-25 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 1028 | 8814 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | | | 1997-04-25 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 1029 | 8815 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | | | 1997-04-28 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1036 | 8818 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | | 1997-08-18 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 1188 | 15324 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | | 1997-08-25 | Dry | -51.4553 | -1.7369 | ok | 0.215 | Bernardi, J. A. R. | JARB 1288 | 8816 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | | | 1998-02-01 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15651 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | | | 1998-02-01 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Bernardi, J. A. R.; Rocha, R. A. T. | | 15652 |
| Hylidae | *Scinax* | *ruber* | Igarapé Curuá | Capoeira | | 2002-04-11 | Rainy | -51.4373 | -1.737318 | estimate | 0.759 | quipe do curso de campo 2002/Zoologia; , Luci | HERP: 5262 | 15827 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | | Aquatic vegetation | 1998-01-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1593 | 15569 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | | Aquatic vegetation | 1998-01-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1593 | 15570 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Ribeiro Jr., M. A. | JARB: 1489 | 15522 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | | Aquatic vegetation | 1998-02-07 | Rainy | -51.3522 | -1.6542 | estimate | 2.213 | Ribeiro Jr., M. A. | JARB: 1490 | 15523 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Capoeira | Aquatic vegetation | 1998-05-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1599 | 15567 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Capoeira | Aquatic vegetation | 1998-05-01 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1599 | 15568 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Capoeira | Litter | 1997-12-01 | Dry | -51.3343 | -1.6618 | estimate | 0.109 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1625 | 15586 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Capoeira | Litter | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1543 | 15716 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Igapó | | 1998-03-01 | Rainy | -51.3512 | -1.6563 | estimate | 2.020 | Rael, J.; Souza, C. | JARB: 1579 | 15529 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Igapó | | 1998-03-01 | Rainy | -51.3512 | -1.6563 | estimate | 2.020 | Rael, J.; Souza, C. | JARB: 1582 | 15530 |
| Hylidae | *Scinax* | *ruber* | Igarapé Laranjal | Igapó | | 1998-03-01 | Rainy | -51.3512 | -1.6563 | estimate | 2.020 | Rael, J.; Souza, C. | JARB: 1578 | 15531 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Trachycephalus* | *resinifictrix* | Igarapé Curuá | Terra firme | | 1998-03-31 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1523 | 15507 |
| Leptodactylidae | *Adenomera* | *hylaedactyla* | Igarapé Curuá | | | 1998-04-03 | Rainy | -51.45527778 | -1.738 | ok | 0.295 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1530 | 15703 |
| Leptodactylidae | *Hydrolaetare* | *schmidti* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3352 | -1.6602 | estimate | 0.170 | Bernardi, J. A. R. | JARB 1570 | 8790 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | IBAMA | | Litter | 1992-11-16 | Dry | -51.4375 | -1.8725 | ok | 0.395 | gmoed, M. S.; Avila-Pires, T. C. S.; Rocha, R. | TCAP 2154 | 7333 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | Igarapé Curuá | Capoeira | Litter | 1996-03-15 | Rainy | -51.4553 | -1.73734 | ok | 0.243 | Henzl, M; J.; Galatti, U. | HERP 1964 | 8163 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | Igarapé Curuá | Terra firme | Litter | 1997-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Ribeiro Jr., M. A. | JARB: 950 | 15247 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | Igarapé Curuá | | | 1997-04-22 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Ribeiro Jr., M. A. | JARB: 949 | 15313 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 795 | 24824 |
| Leptodactylidae | *Leptodactylus* | *knudseni* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1068 | 24825 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | IBAMA | Terra firme | Litter | 1992-11-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2150 | 5879 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | IBAMA | Terra firme | Litter | 1993-07-13 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1307 | 6605 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | | Litter | 2002-04-07 | Rainy | -51.454296 | -1.72393 | estimate | 0.197 | , Equipe do curso de campo 2002/Zoologia | HERP: 5232 | 15798 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | | Litter | 2002-04-07 | Rainy | -51.454296 | -1.72393 | estimate | 0.197 | , Equipe do curso de campo 2002/Zoologia | HERP: 5233 | 15799 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | | Litter | 2002-04-07 | Rainy | -51.454296 | -1.72393 | estimate | 0.197 | , Equipe do curso de campo 2002/Zoologia | HERP: 5234 | 15800 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | Terra firme | | 2002-05-07 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia | HERP: 5229 | 15795 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | | Litter | 1997-04-19 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 936 | 8826 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | Igarapé Curuá | | Litter | 1997-04-19 | Rainy | -51.4545 | -1.7369 | ok | 0.142 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 935 | 8827 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 117 | 24828 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 118 | 24829 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 104 | 24826 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-29 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 108 | 24827 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. | MAR 172 | 24883 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 183 | 24830 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. | MAR 245 | 24884 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 246 | 24831 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 281 | 24832 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 283 | 24834 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 282 | 24833 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 318 | 24835 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 373 | 24840 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 407 | 24842 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 379 | 24841 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 363 | 24838 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 365 | 24839 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 357 | 24837 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 341 | 24836 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 434 | 24844 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 438 | 24845 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 430 | 24843 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 591 | 24851 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 588 | 24850 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 663 | 24857 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 652 | 24856 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 647 | 24855 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 643 | 24853 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 644 | 24854 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 640 | 24852 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-02-12 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 681 | 24858 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 917 | 24860 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 918 | 24861 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 893 | 24859 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 986 | 24862 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 994 | 24864 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 989 | 24863 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1062 | 24867 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1055 | 24866 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1035 | 24865 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-28 | Rainy | -51.64392 | -1.97851 | ok | 15.429 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1080 | 24868 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-30 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1127 | 24869 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1183 | 24873 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1177 | 24871 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1178 | 24872 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1146 | 24870 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1211 | 24874 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Fonseca, Hermes | CAX 19 | 27069 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-11 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. | MAR 1283 | 24875 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-12 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1308 | 24876 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-16 | Rainy | -51.6332 | -1.978 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1339 | 24877 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-16 | Rainy | -51.64424 | -1.97851 | ok | 15.429 | Ribeiro Jr., M. A. | MAR 1343 | 24878 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. | MAR 1370 | 24880 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. | MAR 1362 | 24879 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. | MAR 1393 | 24882 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. | MAR 1383 | 24881 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 561 | 24849 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.9719 | ok | 13.308 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 540 | 24846 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 544 | 24847 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 545 | 24848 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | Litter | 2007-08-04 | Dry | -51.6514 | -1.9701 | ok | 16.318 | Gomes, J. O.; Silva, K. R. A. | CAX 87 | 27070 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.6514 | -1.9665 | ok | 16.398 | Gomes, J. O.; Silva, K. R. A. | CAX 346 | 27071 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | Terra firme | Litter | 2007-09-01 | Dry | -51.6514 | -1.9659 | estimate | 16.432 | Gomes, J. O.; Silva, K. R. A. | CAX 460 | 27072 |
| Leptodactylidae | *Leptodactylus* | *mystaceus* | PPBIO plot | | | 2009-03-20 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 815 | 29079 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | Terra firme | Litter | 2002-05-05 | Rainy | -51.4561 | -1.7366 | estimate | 0.279 | , Equipe do curso de campo 2002 | HERP: 5206 | 15772 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | | | 1993-01-18 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Avila-Pires, T. C. S. | TCAP 2193 | 5925 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | Terra firme | | 1993-01-15 | Rainy | -51.45568 | -1.737591 | estimate | 0.295 | Avila-Pires, T. C. S.; Gorayeb, I. | TCAP 2179 | 5916 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | Terra firme | | 2002-04-09 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | Miranda, Rosivaldo | HERP: 5255 | 15819 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | Terra firme | Litter | 1998-02-01 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Rocha, R. A. T.; Bernardi, J. A. R. | JARB: 1594 | 15509 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | | | 1993-04-24 | Rainy | -51.4452 | -1.7365 | estimate | 0.359 | Rocha, R. A. T.; Silva, R. R. | HERP 1198 | 6704 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Curuá | | | 1993-07-18 | Dry | | | data deficient | | Rocha, R. A. T.; Silva, R. R. | HERP 1175 | 6690 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Terra firme | Litter | 1997-12-01 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1604 | 15564 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Terra firme | Litter | 1997-12-01 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1604 | 15565 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Terra firme | Litter | 1997-12-01 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1604 | 15566 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Capoeira | Litter | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1544 | 15717 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Ribeiro Jr., M. A. | JARB: 1589 | 15597 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Ribeiro Jr., M. A. | JARB: 1589 | 15598 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Ribeiro Jr., M. A. | JARB: 1589 | 15599 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | Capoeira | | 1998-02-01 | Rainy | -51.3359 | -1.6606 | estimate | 0.254 | Ribeiro Jr., M. A. | JARB: 1589 | 15600 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | | | 1998-02-06 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1474 | 15539 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | Igarapé Laranjal | | | 1998-02-06 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Ribeiro Jr., M. A. | JARB: 1475 | 15540 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 175 | 24885 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 255 | 24887 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 284 | 24888 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 1231 | 24939 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | | | 2007-02-01 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 229 | 24886 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 372 | 24893 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 376 | 24894 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 377 | 24895 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 378 | 24896 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 386 | 24897 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 389 | 24898 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 403 | 24899 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 362 | 24892 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 356 | 24891 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 325 | 24889 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 346 | 24890 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 429 | 24900 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 653 | 24905 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 657 | 24906 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 633 | 24904 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 716 | 24907 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 718 | 24908 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | | | 2007-03-18 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 763 | 25007 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 853 | 24913 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 857 | 24914 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 859 | 24915 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 802 | 24909 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 809 | 24911 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 852 | 24912 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 808 | 24910 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 927 | 24916 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 980 | 24918 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 949 | 24917 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1075 | 24927 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1016 | 24920 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1024 | 24921 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1025 | 24922 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1028 | 24923 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1014 | 24919 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1069 | 24926 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1060 | 24925 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1037 | 24924 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1184 | 24931 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1185 | 24932 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1186 | 24933 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1197 | 24934 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1181 | 24930 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1161 | 24929 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1156 | 24928 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1212 | 24935 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1216 | 24936 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1219 | 24937 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-04-02 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1226 | 24938 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. | MAR 1242 | 24941 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-06-08 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. | MAR 1233 | 24940 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 558 | 24902 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 559 | 24903 |
| Leptodactylidae | *Leptodactylus* | *paraensis* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 531 | 24901 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | IBAMA | | Litter | 1992-10-22 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1951 | 5744 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | IBAMA | | | 1992-11-02 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Ribeiro, Eli Silvana B. | TCAP 2050 | 5806 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Terra firme | | 2002-04-09 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5254 | 15817 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Capoeira | Litter | 1997-10-10 | Dry | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 1305 | 8785 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | | | 1998-04-22 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Bernardi, J. A. R. | JARB 0951 | 8789 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | | | 1997-06-22 | Rainy | -51.51777778 | -1.75694444 | estimate | 1.022 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1124 | 8788 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Terra firme | Litter | 1996-03-09 | Rainy | -51.45361111 | -1.73688889 | ok | 0.096 | Henzl, M; J.; Galatti, U. | HERP 1892 | 8093 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Capoeira | Litter | 1996-03-13 | Rainy | -51.455219 | -1.737679 | ok | 0.257 | Henzl, M; J.; Galatti, U. | HERP 1944 | 8143 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Igapó | Low vegetation | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1258 | 6542 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Curuá | Terra firme | Litter | 1993-07-20 | Dry | -51.45832 | -1.72648 | estimate | 0.346 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1351 | 6651 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Laranjal | Capoeira | | 1998-04-05 | Rainy | -51.3338 | -1.66 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1555 | 8786 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | Igarapé Laranjal | Capoeira | | 1998-04-06 | Rainy | -51.3335 | -1.6609 | estimate | 0.085 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1560 | 8787 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 726 | 24943 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-19 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 786 | 24944 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 820 | 24945 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | | | 2007-03-25 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 988 | 24946 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1064 | 24948 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1065 | 24949 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1046 | 24947 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1068 | 24950 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1218 | 24952 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1210 | 24951 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro-Jr., M. A. | CAX 26 | 27073 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 547 | 24942 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | PPBIO plot | | | 2007-10-06 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Maciel, A. O. | CAX 26 | 27074 |
| Leptodactylidae | *Leptodactylus* | *pentadactylus* | | | | 1992-10-25 | Dry | | | data deficient | | Hoogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1986 | 5755 |
| Leptodactylidae | *Leptodactylus* | *petersii* | IBAMA | | | 1992-11-18 | Dry | -51.4375 | -1.8725 | ok | 0.395 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2167 | 5892 |
| Leptodactylidae | *Leptodactylus* | *petersii* | IBAMA | Igapó | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1321 | 6618 |
| Leptodactylidae | *Leptodactylus* | *petersii* | IBAMA | Igapó | Litter | 1993-07-15 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1321 | 6619 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | | 2002-05-05 | Rainy | -51.453373 | -1.736692 | estimate | 0.054 | , Equipe do curso de campo 2002 | HERP: 5210 | 15776 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Terra firme | Litter | 2002-05-05 | Rainy | -51.4561 | -1.7366 | estimate | 0.279 | , Equipe do curso de campo 2002 | HERP: 5205 | 15771 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Baixio | | 2002-04-09 | Rainy | -51.52333333 | -1.76647222 | estimate | 0.005 | , Equipe do curso de campo 2002/Zoologia | HERP: 5257 | 15818 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | | Litter | 2002-05-05 | Rainy | -51.457059 | -1.737318 | estimate | 0.406 | , Equipe do curso de campo 2002/Zoologia | HERP: 5220 | 15786 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | | 1997-04-28 | Rainy | | | data deficient | | Bernardi, J. A. R. | JARB 1040 | 8809 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Terra firme | | 1997-05-02 | Rainy | -51.372156 | -1.692944 | estimate | 2.381 | Bernardi, J. A. R. | JARB 1095 | 8810 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | | | 1997-05-02 | Rainy | -51.372156 | -1.692944 | estimate | 2.381 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1093 | 8828 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Várzea | | 1997-06-20 | Rainy | | | data deficient | | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1121 | 8817 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-06-09 | Rainy | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1256 | 6526 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-06-09 | Rainy | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1256 | 6527 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6528 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6529 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6530 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6531 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6532 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6533 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6534 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6535 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6536 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6537 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6538 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6539 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6540 |
| Leptodactylidae | *Leptodactylus* | *petersii* | Igarapé Curuá | Igapó | Litter | 1993-07-09 | Dry | -51.455884 | -1.72331 | estimate | 0.278 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1257 | 6541 |
| Leptodactylidae | *Leptodactylus* | *petersii* | PPBIO plot | Terra firme | | 2007-03-24 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 936 | 24954 |
| Leptodactylidae | *Leptodactylus* | *petersii* | PPBIO plot | Terra firme | | 2007-03-29 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1136 | 24955 |
| Leptodactylidae | *Leptodactylus* | *petersii* | PPBIO plot | | | 2007-06-08 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Avila-Pires, T. C. S. | CAX 009 | 27075 |
| Leptodactylidae | *Leptodactylus* | *petersii* | PPBIO plot | | | 2007-06-11 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro-Jr., M. A. | CAX 22 | 27076 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Curuá | Capoeira | Litter | 1996-03-13 | Rainy | -51.4543 | -1.737 | ok | 0.134 | Henzl, M; J.; Galatti, U. | HERP 1932 | 8131 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.4557 | -1.7371 | ok | 0.259 | Henzl, M; J.; Galatti, U. | HERP 1953 | 8152 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.4557 | -1.7371 | ok | 0.259 | Henzl, M; J.; Galatti, U. | HERP 1954 | 8153 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.4557 | -1.7371 | ok | 0.259 | Henzl, M; J.; Galatti, U. | HERP 1955 | 8154 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Curuá | Capoeira | Litter | 1996-03-14 | Rainy | -51.4557 | -1.7371 | ok | 0.259 | Henzl, M; J.; Galatti, U. | HERP 1956 | 8155 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | Igarapé Laranjal | Terra firme | | 1997-06-30 | Rainy | -51.34694444 | -1.657 | estimate | 1.556 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1156 | 8823 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 361 | 24956 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 364 | 24957 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 708 | 24959 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 709 | 24960 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 948 | 24961 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 995 | 24962 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1201 | 24963 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-06-19 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1388 | 24964 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 546 | 24958 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | Litter | 2007-08-05 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 117 | 27077 |
| Leptodactylidae | *Leptodactylus* | *rhodomystax* | PPBIO plot | Terra firme | Litter | 2007-08-14 | Dry | -51.6514 | -1.9692 | ok | 16.369 | Gomes, J. O.; Silva, K. R. A. | CAX 347 | 27078 |
| Leptodactylidae | *Lithodytes* | *lineatus* | Igarapé Curuá | Terra firme | | 2004-04-11 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; V | CAIÇ: 063 | 17416 |
| Leptodactylidae | *Lithodytes* | *lineatus* | Igarapé Curuá | Baixio | | 1996-08-10 | Dry | -51.453953 | -1.72393 | estimate | 0.291 | Rocha, R. A. T. | HERP 2013 | 8237 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96335 | ok | 13.430 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 393 | 24972 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-02-04 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 461 | 24973 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 593 | 24974 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 666 | 24976 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 642 | 24975 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 710 | 24977 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 711 | 24978 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 712 | 24979 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 847 | 24980 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 848 | 24981 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-03-20 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 817 | 29085 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 925 | 24984 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 916 | 24983 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 900 | 24982 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 963 | 24985 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1015 | 24986 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1056 | 24988 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1040 | 24987 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1175 | 24989 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1176 | 24990 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-03-31 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 1158 | 29084 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | | 2007-06-24 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Lo-Man-Hung, N. F. | MAR 1438 | 24991 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 236 | 27085 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | Terra firme | Litter | 2007-08-13 | Dry | -51.63777778 | -2.00054 | estimate | 14.222 | Gomes, J. O.; Silva, K. R. A. | CAX 324 | 27086 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-09-02 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Sturaro, M. | CAX 502 | 27087 |
| Leptodactylidae | *Physalaemus* | *ephippifer* | PPBIO plot | | | 2007-09-11 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Sturaro, M. | CAX 655 | 27088 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 369 | 29081 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 360 | 29082 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | PPBIO plot | | | 2007-03-16 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 717 | 29074 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | PPBIO plot | | | 2009-03-20 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 815 | 29078 |
| Microhylidae | *Chiasmocleis* | *avilapiresae* | PPBIO plot | | | | | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. | MAR 979 | 23299 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 252 | 24526 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 881 | 24527 |
| Microhylidae | *Chiasmocleis* | *hudsoni* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.6514 | -1.9683 | ok | 16.404 | Gomes, J. O.; Maciel, A. O. | CAX 958 | 26990 |
| Microhylidae | *Chiasmocleis* | *shudikarensis* | IBAMA | Terra firme | Litter | 1993-07-13 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1305 | 6603 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 006 | 17419 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 007 | 17420 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 008 | 17421 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 009 | 17422 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 010 | 17423 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 011 | 17424 |
| Microhylidae | *Ctenophryne* | *geayi* | Igarapé Curuá | Terra firme | | 2004-04-29 | Rainy | | | data deficient | | Maschio, G.F.; da Silva, M.A.A.; de Souza, A.C.B.; Vi | CAIÇ: 012 | 17425 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 256 | 24536 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 380 | 24540 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 381 | 24541 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96786 | ok | 13.331 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 385 | 24542 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 367 | 24539 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 349 | 24538 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 326 | 24537 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.62464 | -1.96488 | ok | 13.382 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 671 | 24543 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 713 | 24544 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-16 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 725 | 24545 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 854 | 24550 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 856 | 24551 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 806 | 24547 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9692 | ok | 14.262 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 800 | 24546 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 845 | 24548 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 846 | 24549 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 901 | 24552 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 975 | 24555 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 971 | 24554 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 962 | 24553 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1022 | 24558 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1031 | 24559 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1011 | 24556 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1012 | 24557 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1059 | 24560 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1187 | 24567 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.62464 | -1.96044 | ok | 13.411 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1198 | 24568 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1179 | 24565 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1180 | 24566 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1153 | 24563 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1154 | 24564 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9679 | ok | 14.281 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1149 | 24562 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9667 | ok | 14.587 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1147 | 24561 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1208 | 24570 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.9688 | ok | 14.245 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1203 | 24569 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-04-02 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1223 | 24571 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | | | 2007-06-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1241 | 29088 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. | MAR 1289 | 24573 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. | MAR 1290 | 24574 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-11 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. | MAR 1286 | 24572 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-12 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. | MAR 1307 | 24575 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. | MAR 1375 | 24577 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | | 2007-06-18 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. | MAR 1371 | 24576 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | Terra firme | Litter | 2007-10-09 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Maciel, A. O. | CAX 1120 | 26991 |
| Microhylidae | *Ctenophryne* | *geayi* | PPBIO plot | | | 2009-07-12 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. | MAR 1306 | 29073 |
| Microhylidae | *Hamptophryne* | *boliviana* | IBAMA | Terra firme | Litter | 1993-07-13 | Dry | -51.4375 | -1.8725 | ok | 0.395 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1304 | 6602 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 173 | 24698 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-01-30 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 189 | 24699 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 257 | 24700 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 285 | 24702 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-01 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 269 | 24701 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 371 | 24710 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 382 | 24711 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 366 | 24709 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 352 | 24706 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 353 | 24707 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 354 | 24708 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 347 | 24703 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 348 | 24704 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-02 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 350 | 24705 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | | | 2007-02-02 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 343 | 29083 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-03 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 431 | 24712 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-06 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 512 | 24713 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.62464 | -1.96641 | ok | 13.370 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 598 | 24727 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 587 | 24726 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-08 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 585 | 24725 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 656 | 24731 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 658 | 24732 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 655 | 24730 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 650 | 24729 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-02-11 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 646 | 24728 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-13 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 894 | 24752 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-13 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 895 | 24753 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-13 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 896 | 24754 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 855 | 24751 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 821 | 24737 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 822 | 24738 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 823 | 24739 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 824 | 24740 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 825 | 24741 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 826 | 24742 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 827 | 24743 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 828 | 24744 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 829 | 24745 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 830 | 24746 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 831 | 24747 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 832 | 24748 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 833 | 24749 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 834 | 24750 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 811 | 24735 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 812 | 24736 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 805 | 24733 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-20 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 810 | 24734 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 923 | 24767 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 904 | 24758 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 905 | 24759 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 906 | 24760 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 907 | 24761 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 908 | 24762 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 909 | 24763 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 910 | 24764 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 911 | 24765 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 912 | 24766 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 897 | 24755 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 898 | 24756 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-23 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 902 | 24757 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-24 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 935 | 24769 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-24 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 933 | 24768 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 972 | 24779 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 975 | 24780 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.62464 | -1.96932 | ok | 13.323 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 976 | 24781 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 956 | 24773 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 956 | 24774 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 958 | 24775 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 959 | 24776 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 960 | 24777 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 961 | 24778 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1006 | 24784 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1004 | 24783 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 953 | 24771 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 954 | 24772 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1001 | 24782 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-25 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 947 | 24770 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1021 | 24790 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.62464 | -1.97287 | ok | 13.287 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1017 | 24789 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1006 | 24785 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1008 | 24786 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1009 | 24787 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-26 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1010 | 24788 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1063 | 24798 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1050 | 24793 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1051 | 24794 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1052 | 24795 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1053 | 24796 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1054 | 24797 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1043 | 24792 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-27 | Rainy | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1039 | 24791 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1173 | 24800 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1174 | 24801 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-03-31 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1162 | 24799 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | | | 2007-03-31 | Rainy | -51.6336 | -1.9835 | estimate | 14.204 | Ribeiro Jr., M. A. ; Abrantes, S. M. F. | MAR 1170 | 29086 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-04-01 | Rainy | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Abrantes, S. H. F. | MAR 1207 | 24802 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-06-20 | Rainy | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. | MAR 1401 | 24804 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.97141 | ok | 13.256 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 562 | 24723 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.62464 | -1.96996 | ok | 13.314 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 564 | 24724 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 552 | 24719 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 553 | 24720 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 554 | 24721 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9775 | ok | 14.161 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 555 | 24722 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 550 | 24717 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9753 | ok | 14.194 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 551 | 24718 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 543 | 24715 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.974 | ok | 14.213 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 549 | 24716 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-02 | Dry | -51.6332 | -1.9706 | ok | 14.239 | Ribeiro Jr., M. A. ; Arcoverde, D. L. | MAR 538 | 24714 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | | 2007-07-12 | Dry | -51.6332 | -1.9726 | ok | 14.210 | Ribeiro Jr., M. A. | MAR 1305 | 24803 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-08-09 | Dry | -51.63777778 | -1.9871 | estimate | 14.551 | Gomes, J. O. | CAX 248 | 27060 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-08-13 | Dry | -51.63777778 | -1.97851 | estimate | 14.624 | Gomes, J. O.; Silva, K. R. A. | CAX 331 | 27061 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-09-07 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Sturaro, M. | CAX 579 | 27062 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-10-01 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 938 | 27063 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.6225 | -2.00054 | ok | 12.571 | Gomes, J. O.; Maciel, A. O. | CAX 986 | 27065 |
| Microhylidae | *Hamptophryne* | *boliviana* | PPBIO plot | Terra firme | Litter | 2007-10-02 | Dry | -51.62464 | -2.0042 | ok | 12.736 | Gomes, J. O.; Maciel, A. O. | CAX 979 | 27064 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | | Aquatic vegetation | | | -51.453524 | -1.736605 | estimate | 0.054 | Bernardi, J. A. R.; Pinheiro, E. C. | JARB 1396 | 8800 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Bernardi, J. A. R.; Souza, J. C. R. | JARB 1364 | 8795 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | | Aquatic vegetation | 1997-10-29 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Bernardi, J. A. R.; Souza, J. C. R. | JARB 1373 | 8797 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | | Aquatic vegetation | 1997-10-29 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Bernardi, J. A. R.; Souza, J. C. R. | JARB 1375 | 8798 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Lucas, Izael de S. | JARB 1366 | 8796 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | Igapó | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Souza, José R. C. | JARB 1412 | 8791 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | Igapó | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Souza, José R. C. | JARB 1413 | 8792 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | Igapó | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Souza, José R. C. | JARB 1414 | 8793 |
| Pipidae | *Pipa* | *pipa* | Igarapé Curuá | Igapó | Aquatic vegetation | 1997-10-28 | Dry | -51.453642 | -1.736551 | estimate | 0.062 | Souza, José R. C. | JARB 1415 | 8794 |
| Pipidae | *Pipa* | *pipa* | Igarapé Laranjal | | | 1997-12-01 | Dry | -51.3495 | -1.658 | estimate | 1.787 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB: 1622 | 15578 |
| Pipidae | *Pipa* | *pipa* | PPBIO plot | | | 2007-03-19 | Rainy | -51.63777778 | -1.96021111 | estimate | 14.925 | C., Israel L. | MAR 787 | 24992 |
| Pipidae | *Pipa* | *pipa* | PPBIO plot | | | 2007-09-08 | Dry | -51.6336 | -1.9835 | estimate | 14.204 | Gomes, J. O.; Sturaro, M. | CAX 615 | 27089 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1562 | 8776 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1563 | 8777 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1564 | 8778 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1565 | 8779 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1566 | 8780 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1567 | 8781 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1568 | 8782 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | | | 1998-04-06 | Rainy | -51.3475 | -1.6612 | estimate | 1.517 | Bernardi, J. A. R.; Rocha, R. A. T. | JARB 1569 | 8783 |
| Ranidae | *Lithobates* | *palmipes* | Igarapé Laranjal | Igapó | | 1998-03-01 | Rainy | -51.3512 | -1.6563 | estimate | 2.020 | Souza, J. Rael C. | JARB 1577 | 8784 |

Appendix 8. Locations of the 16 *Adelphobates galactonus* individuals listed under 'other' and removed from the analysis of assemblages. Blue points represent correct coordinates based from GPS data.


Appendix 9. Chi-square with bootstrapping results for life-history traits and categories to define the samples species in Caxiuanã (see table 6).

**Location**

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) |
|---|---|---|---|
| Pearson Chi-Square | 1509.070[a] | 188 | .000 |
| Likelihood Ratio | 1170.108 | 188 | .000 |
| Linear-by-Linear Association | 33.169 | 1 | .000 |
| N of Valid Cases | 1825 | | |

a. 180 cells (75.0%) have expected count less than 5. The minimum expected count is .01.

**Habitat preference**

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) |
|---|---|---|---|
| Pearson Chi-Square | 5519514.000[a] | 141 | .000 |

| | | | |
|---|---|---|---|
| Likelihood Ratio | 2053072.891 | 141 | .000 |
| Linear-by-Linear Association | 303083.193 | 1 | .000 |
| N of Valid Cases | 1839838 | | |

**Microhabitat preference**

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) |
|---|---|---|---|
| Pearson Chi-Square | 5448.315[a] | 141 | .000 |
| Likelihood Ratio | 2637.530 | 141 | .000 |
| Linear-by-Linear Association | 720.258 | 1 | .000 |
| N of Valid Cases | 1838 | | |

a. 139 cells (72.4%) have expected count less than 5. The minimum expected count is .02.

**Aquatic reproductive type**

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) |
|---|---|---|---|
| Pearson Chi-Square | 7352.000[a] | 188 | .000 |
| Likelihood Ratio | 3200.854 | 188 | .000 |
| Linear-by-Linear Association | 117.818 | 1 | .000 |
| N of Valid Cases | 1838 | | |

a. 184 cells (76.7%) have expected count less than 5. The minimum expected count is .02.

**Activity period**

**Chi-Square Tests**

| | Value | df | Asymptotic Significance (2-sided) |
|---|---|---|---|
| Pearson Chi-Square | 3676.000[a] | 94 | .000 |
| Likelihood Ratio | 2650.121 | 94 | .000 |
| Linear-by-Linear Association | 1184.017 | 1 | .000 |
| N of Valid Cases | 1838 | | |

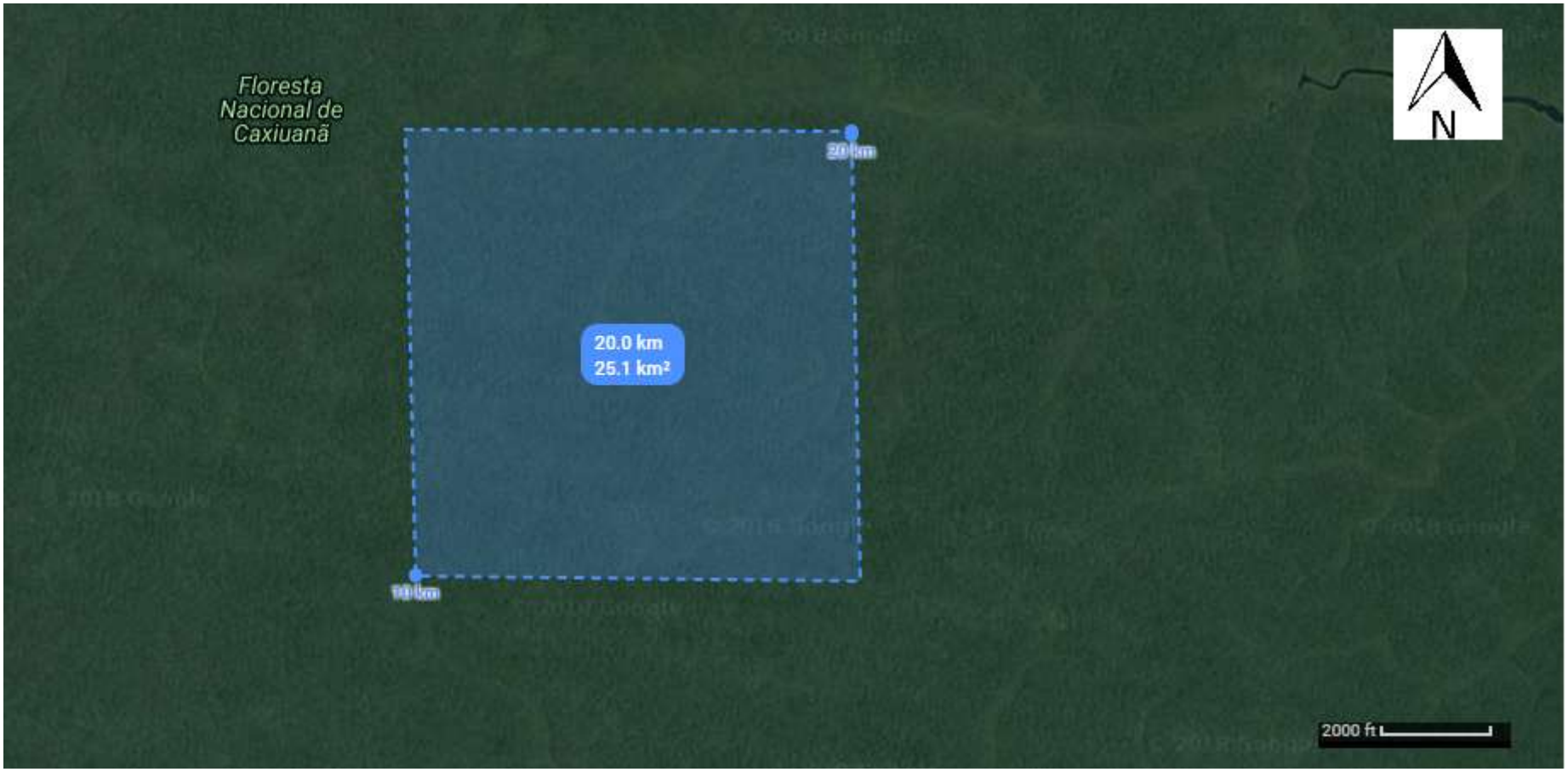
a. 92 cells (63.9%) have expected count less than 5. The minimum expected count is .01.

Appendix 10. Estimates areas of Caxiuanã assemblages. All base maps are edited from Google Maps.

Curuá -

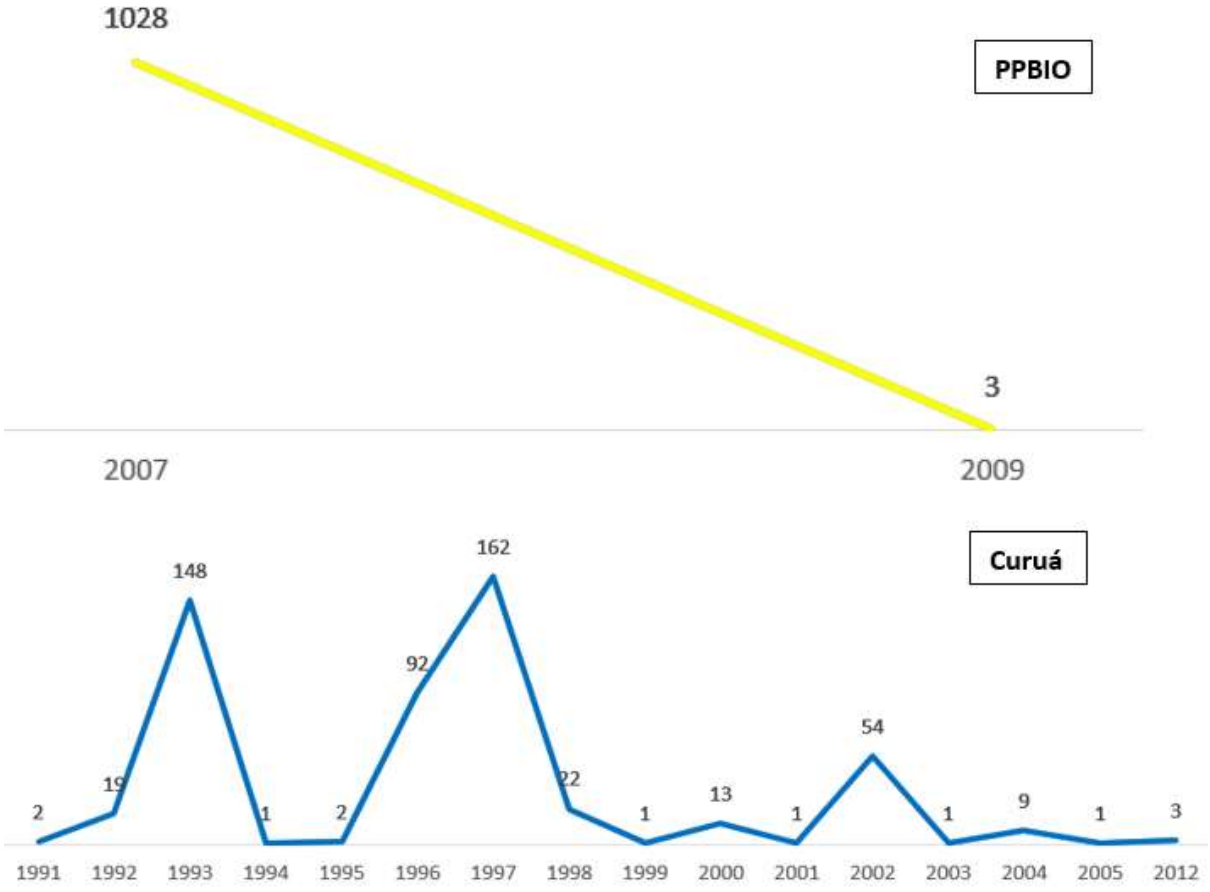
Laranjal -

PPBIO -



IBAMA -

Appendix 11. All individuals collected in the PPBIO and Curuá assemblages. The Dataset is filtered under ‘Location’ by ‘PPBIO plot’ and ‘Curuá’ and sorted by ‘Date’ smallest to largest.



Appendix 12. All *Amazophrynella bokermanni* individuals collected by Avila-Pires and Hoogmoed in this research. Dataset is filtered under 'Species' to only show *Amazophrynella bokermanni* and is sorted by 'Date' oldest to newest.

| Family | Genus | Species | location | Habita | Microhabitat | Date | season | ecimal Longi | Decimal Latitu | extra info | ance from wa | Collectors (added) | Collection numb | Catelog numb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5731 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5732 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5733 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5734 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5735 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5736 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-22 | Dry | -51.45305556 | -1.73638889 | ok | 0.006 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 1946 | 5737 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-10-27 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2004 | 5766 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1992-11-10 | Dry | -51.457579 | -1.737763 | estimate | 0.497 | oogmoed, M. S.; Avila-Pires, T. C. S.; Silva, R. | TCAP 2108 | 5866 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-01-16 | Rainy | -51.459038 | -1.736327 | estimate | 0.581 | Avila-Pires, T. C. S. | TCAP 2186 | 5921 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6512 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6513 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6514 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6515 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6516 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6517 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6518 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6519 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-06-09 | Rainy | -51.4581 | -1.7247 | estimate | 0.434 | Hoogmoed, M. S. | HERP 1251 | 6520 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6500 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6501 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-08 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1244 | 6502 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6509 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6510 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | | | 1993-07-09 | Dry | -51.45642 | -1.73755 | estimate | 0.365 | Hoogmoed, M. S. | HERP 1251 | 6511 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6548 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6549 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6550 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6551 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6552 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6553 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6554 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6555 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6556 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6557 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6558 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6559 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-10 | Dry | -51.4591 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1261 | 6560 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1282 | 6590 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-11 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1282 | 6591 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4588 | -1.7273 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1279 | 6587 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4588 | -1.7273 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1279 | 6588 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6574 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6575 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6576 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6577 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6578 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6579 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6580 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6581 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-11 | Dry | -51.4591 | -1.7269 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1274 | 6582 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-13 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1298 | 6601 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-15 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1319 | 6617 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-16 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1328 | 6637 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-20 | Dry | -51.45832 | -1.72648 | estimate | 0.346 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1353 | 6652 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-20 | Dry | -51.45832 | -1.72648 | estimate | 0.346 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1353 | 6653 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-22 | Dry | -51.459103 | -1.73738 | estimate | 0.624 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1367 | 6657 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6664 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6665 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-23 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1382 | 6666 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-27 | Dry | -51.4578 | -1.738 | estimate | 0.509 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1398 | 6676 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-27 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1395 | 6673 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | | 1993-07-27 | Dry | -51.459103 | -1.727 | estimate | 0.367 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1395 | 6674 |
| Bufonidae | *Amazophrynella* | *bokermanni* | Igarapé Curuá | Terra firme | Litter | 1993-07-28 | Dry | -51.4585 | -1.7268 | estimate | 0.327 | Hoogmoed, M. S.; Moraes, R. J. R.; Silva, R. R | HERP 1403 | 6678 |

Appendix 13. All *Lysapsus laevis*. Individuals listed in the dataset. The dataset is filtered under 'Species' to only show and is sorted by 'Date' oldest to newest.

| Family | Genus | Species | location | Habita | Microhabitat | Date | season | ecimal Longi | Decimal Latitu | extra info | ance from wa | Collectors (added) | Collection numb | Catelog numb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1939 | 8138 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1940 | 8139 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1941 | 8140 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | Aquatic vegetation | 1996-03-13 | Rainy | -51.454071 | -1.736326 | estimate | 0.101 | Henzl, M; J.; Galatti, U. | HERP 1942 | 8141 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | Aquatic vegetation | 1997-11-22 | Dry | -51.4447 | -1.7406 | estimate | 0.000 | Valente, R. | JARB: 1459 | 15516 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Terra firme | Litter | 1997-04-29 | Rainy | -51.45656 | -1.737296 | ok | 0.362 | Ribeiro Jr., M. A. | JARB: 1076 | 15213 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Terra firme | Low vegetation | 1996-03-14 | Rainy | -51.46166667 | -1.73666667 | estimate | 0.505 | Henzl, M; J.; Galatti, U. | HERP 1961 | 8160 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Várzea | | 1997-04-26 | Rainy | -51.455047 | -1.724745 | ok | 0.210 | Ribeiro Jr., M. A. | JARB: 1034 | 15211 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Várzea | | 1997-04-26 | Rainy | -51.455047 | -1.724745 | ok | 0.210 | Ribeiro Jr., M. A. | JARB: 1035 | 15212 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1031 | 15208 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1032 | 15209 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | | | 1997-04-26 | Rainy | -51.45472222 | -1.73763889 | ok | 0.221 | Ribeiro Jr., M. A. | JARB: 1033 | 15210 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Várzea | | 1997-04-29 | Rainy | -51.4524 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1077 | 15201 |
| Hylidae | *Lysapsus* | *laevis* | Igarapé Curuá | Várzea | | 1997-04-29 | Rainy | -51.4524 | -1.7366 | ok | 0.008 | Ribeiro Jr., M. A. | JARB: 1078 | 15202 |