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In the Amazon, an area of high faunal diversity, urban development has resulted in environmental changes to habitats used by wildlife (Achard et al. 2002; Do Couto et al. 2018), which can influence trophic interactions and prey availability (Debinski and Holt 2000; Acevedo-Whitehouse and Duffus 2009). This may lead species to explore and adapt to conditions in new territories and, consequently, to include new food items in their diet (Cecala et al. 2007; Bower et al. 2014; Do Couto et al. 2018). In amphibians, for example, these pressures and environmental changes have caused some groups, such as frogs, to develop generalist and opportunistic diets (Menin et al. 2005).


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Fig. 1. A Smoky Jungle Frog (*Leptodactylus pentadactylus*) preying on a Domestic Chicken (*Gallus gallus*) in Leticia, Amazonas, Colombia. Photograph by Darío Alarcón-Naforo.
Menin 2014; Do Couto et al. 2018; Coelho et al. 2020), frogs (Teixeira and Vrcibradic 2003; Ziegler et al. 2003; Sanabria et al. 2005; Solé et al. 2009; Santana et al. 2012; Costa-Pereira et al. 2015; Sales et al. 2015; Camurugi et al. 2017; Ceron et al. 2018; Coelho et al. 2020), and presumably adventitiously ingested plant material (Teixeira and Vrcibradic 2003; Camera et al. 2014; Do Couto et al. 2018; Coelho et al. 2020).

The Smoky Jungle Frog, *L. pentadactylus*, is a large Neotropical anuran, occurring along the Amazon Basin in preserved forest and urban forest fragments of Bolivia, Brazil, Colombia, Ecuador, French Guiana, Peru, and Suriname (Heyer 2005; Menin et al. 2010; Do Couto and Menin 2014; Do Couto et al. 2018). This species has generalist habits and a highly variable diet composed mainly of arachnids, diplopods, insects, and mollusks (Do Couto et al. 2018). However, being a large species, vertebrates such as frogs (Duellman 1978) and lizards (Do Couto and Menin 2014) have been recorded in its diet. Herein we present a new dietary record of *L. pentadactylus* in the Colombian Amazon, which may imply a poorly documented human-animal conflict.

At 16:49 h on 17 March 2022, we found a Smoky Jungle Frog feeding on a juvenile Domestic Chicken (*Gallus gallus*) outside the city of Leticia, Amazonas, Colombia. The Smoky Jungle Frog had grabbed the Domestic Chicken by the upper body and proceeded to consume the chicken, swallowing the feet last (Fig. 1). After a few minutes, when the frog had almost completely ingested the chicken, the bird’s calls could still be heard. During the event, area locals expressed their intention to kill the frog so that it would not eat the chicken; however, at the end of the predation event, the frog left the area without being harmed. A similar event was recorded in September 2021 at the same locality, again involving a Smoky Jungle Frog and a Domestic Chicken.

Predation on birds by *Leptodactylus* has been described previously (Carvalho et al. 2020); however, in this note we present the first records of predation on a Domestic Chicken by *L. pentadactylus* and for the genus. We consider these predation events as a possible human-wildlife conflict since the loss of breeding animals in productive activities generates economic losses by local inhabitants and could lead to the threat of killing frogs found near farms or dwellings (Morzillo et al. 2014; Conover et al. 2018; Flores-Armillas et al. 2020; Fernández-Badillo et al. 2021).

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Literature Cited


