First documented record of the Blue-cheeked Amazon

Amazona dufresniana (Psittacidae) in Brazil

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ABSTRACT: Amazona dufresniana is an endemic species to the Guiana Shield, and its occurrence in Brazil lacks documented evidence. Here, we report the first documented record for Brazil, which was made in the Saracá-Taquera National Forest, Trombetas River region, northwest of Pará. Three parrots were recorded on two occasions, in May and October 2012. These records not only document the occurrence of Amazona dufresniana in Brazil, but they also extend its distribution to about 420 km south of previously known records.

KEY-WORDS: Amazona dufresniana, geographical distribution, Guiana Shield, Pará, Rio Trombetas basin.

The Blue-cheeked Amazon Amazona dufresniana (Shaw, 1812) is an endemic species of the Guiana Shield (Wege & Collar 1991), an important area of endemism in the northern South America (Haffer 1974, Cracraft 1985, Hollowell & Reynolds 2005, Silva et al. 2005). The species ecology and habitat are poorly known, but its occurrence has been documented in tropical humid and wet lowland forests in Venezuela, Guyana, Surinam, and French Guiana (see Wege & Collar 1991, Forshaw 2006). Besides the lowland habitats in Guyana (altitude between 3 to 560 m), the species also inhabits foothill forests in the Gran Sabana plateau up to 1,700 m of altitude in Venezuela (Wege & Collar 1991, Hilty 2003).

The occurrence of Blue-cheeked Amazon in Brazil has been considered unchecked by specialists. It was based only upon a personal communication by hunters who allegedly shot a pair of birds near the French Guiana and Brazilian border at the state of Amapá (see Wege & Collar 1991, Collar 1995). However, no additional information was provided since then and the occurrence of the species in Brazil remains hypothetical (see CBRO 2011).

Here we report the first documented records of Amazona dufresniana in the Brazilian territory. The species was observed in Bela Cruz, a local plateau at Saracá-Taquera National Forest (01°21’S; 56°22’W), a 441,282 ha sustainable use reserve within the limits of the township of Oriximiná, northwest Pará (Figure 1).

The reserve is located in the Rio Trombetas watershed. The vegetation at the Saracá-Taquera National Forest is classified as typical of the dense rainforest region and Amazon low plateaus sub-region (IBGE 1992, Salomão et al. 2012). Within the area there is significant mining of bauxite on plateaus, which influences the landscape and creates a mosaic of upland forest amid small and medium tributaries of the Rio Trombetas with heterogeneous reforestation and mining zones.

During fauna monitoring activities in the surroundings of the mining zone, in a total sampling effort of 397 days, between May 2009 and October 2012, we observed three individuals of Blue-cheeked Amazon in two occasions in the Bela Cruz plateau.

The first record was on May 13th of 2012, at 9 h, when T. H. G. A. observed and photographed one individual perched (Figure 2) about 30 m high on a rubber tree Hevea guianensis (Euphorbiaceae), together with a flock of five Mealy Amazon Amazona farinosa, on the forest edge of the plateau (01°48’09"S; 56°30’23"W, elevation 172 m). The second record was on the 1st of October of 2012, at 07:20 h, during a windy morning with sparse rain showers, when I. P. F. observed (for 10 min) two very quiet and silent parrots perched in the canopy of upland forest at 01°47’53"S and 56°29’44”W (altitude 189 m). All three birds observed had a gray beak with a pink-red at base, and green plumage. The forehead and lores were orange-yellow, with forecheeks beneath eye bright blue, while lower cheeks to ear-coverts blue, in agreement with Forshaw (2006) and Grantsau (2010).

These observations extend the range of Blue-cheeked Amazon to northern Brazil. The Saracá-Taquera National Forest is about 420 km from Acary Mountains.
on Guyana’s southern border, 760 km southeast from the Brownsberg Nature Park, 820 km southwest from the Pied Saut on the Fleuve Oyapock, and 840 km southeast from the Kopinang camp, four localities reported for the species by Wege & Collar (1991), Ridgely et al. (2005), O’Shea et al. (2007), and Robbins et al. (2007).

The species may also be present in the state of Roraima (Brazil), although Naka et al. (2006) have not provided any records of them. However, its presence in the Iwokrama and Kopinang camp (Guyana), and Gran Sabana (Venezuela), and the biogeographic patterns of the region suggest their occurrence in the Brazilian state of Roraima (Ridgely et al. 2005, O’Shea et al. 2007, Crease 2009, Naka 2011). It is possible that the species is not being noticed because of its associated with Amazona farinosa (a common and widely distributed parrot). Alternatively, our effort indicates that Blue-cheeked Amazon is rather rare in the Saracá-Taquera National Forest, which is probably the case for the other areas (Ridgely et al. 2005, Robbins et al. 2007).

However, to evaluate if Blue-cheeked Amazon occurs in the area throughout the year and make population estimates, new surveys are recommended in the Saracá-Taquera National Forest. Surveys in other nearby reserves, which were only briefly surveyed and no records of the Blue-cheeked Amazon were obtained, such as the Rio Trombetas Biological Reserve, the Trombetas State Forest, the Faro State Forest, and the Grão Pará Ecological Station (see Aleixo et al. 2011), are also highly recommended.

**FIGURE 1.** Map of northern South America indicating the township of Oriximiná (star), and the Saracá-Taquera National Forest (triangle), where the first records of Amazona dufresniana for Brazil were made. Species records (circles) based on literature (Wege & Collar 1991, Ridgely et al. 2005, O’Shea et al. 2007, Robbins et al. 2007, Crease 2009) are also included. The gray areas indicate the Brazilian Conservation Units according to CNUC/MMA (2012), and the Brazilian states with acronyms: Roraima (RR), Amazonas (AM), Pará (PA), and Amapá (AP).
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FIGURE 2. Blue-cheeked Amazon (*Amazona dufresniana*, right) and Mealy Parrot (*A. farinosa*, left) observed on a rubber tree, Saracá-Taquera National Forest, Pará, Brazil (Photo by T. H. G. A.).

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REFERENCES


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