References


A NEW RECORD FOR CALLITHRIX MAUESI
MITTERMEIER, SCHWARZ & AYRES, 1992

The Rio Maués marmoset (Callithrix mauesi) was recently described by Mittermeier et al. (1992), based on one specimen deposited in the scientific collection of the Museu Paraense Emílio Goeldi (holotype:
MPEG-22177) and two social groups in the wild, including seven live animals captured and the birth in captivity of two infants in the collection of Marco Schwarz. The new species was placed in the tassel-eared subgroup of the Callithrix argentata species group (Hershkovitz, 1977; Vivo, 1991; Mittermeier et al., 1992). This was due to it being considered a close relative of C. humeralifera and C. chrysoleuca, and presenting as diagnostic features the shape and placement of the ear tufts and their erect, "neatly trimmed" appearance, the dark fur coloration, the absence of the characteristic light mantle of C. humeralifera, and the light orange tint to the underparts.

All specimens cited by Mittermeier et al. (1992) originated from the type locality, on the left bank of the Rio Maués-Açu (a widening of the Rio Maués), opposite the town of Maués, Amazonas state, Brazil (0323'S, 5746'W). Based on information from local people in 1985, the authors presumed that the species occurred in the area between the Rios Maués, Paraná Urariá, and Abacaxis. During a recent expedition to the region, a new locality record was obtained for this species, confirming in part the proposed range (Fig. 1). Three adult specimens, a male and two females (MPEG-23962, 23963, 23964), were collected at the locality of Santa Maria, right bank of the lower Rio Abacaxis, municipality of Nova Olima do Norte, Amazonas state (0354'S, 5846'W). The material included skins and skulls, skeletons, endoparasites, and blood and liver samples for genetic studies, as well as stomach and intestinal contents. The gut measurements were also taken. The marmosets were in a small patch of secondary forest, near a guaraná (Paulinia cupana) plantation. C. mauesi was particularly abundant in this area (Silva Jr. and Noronha, in prep.). Although it was not possible to visit the area, local people also reported the occurrence of C. mauesi in the vicinity of the town of Abacaxis, right bank of the Rio Abacaxis (0355'S, 5845'W), a few kilometers below Santa Maria. Locals, including a hunter, reported its absence however, from São João, left bank of the Rio Marimari, near its confluence with the Rio Abacaxis (0357'S, 5848'W), and two other places on the left bank of the Rio Abacaxis, opposite Santa Maria. This suggests that the Rio Abacaxis is the limit to its range in the southwest. C. mauesi may be partially sympatric with a newly described species of bare-eared marmoset (Silva Jr. and Noronha, in press) on the right bank of the Rio Abacaxis, according to information obtained from the localities of Abacaxis and Santa Maria cited above, and also based on the data available for the paratypes of the new species (MPEG-23959, 23960), originating from the locality of Terra Preta, right bank of the middle Rio Abacaxis (0449'S, 5826'W). However, this remains to be demonstrated.

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References


**PRIMATES AND CONSERVATION IN THE GUAJARÁ-MIRIM STATE PARK, RONDÔNIA, BRAZIL.**

Located in western Rondônia (Fig. 1), the 258,000 ha Guajará-Mirim State Park was decreed in 1990. The Park is just over 200 km south-west of the Samuel Ecological Station, the primate fauna of which is well-known from the rescue operation during the construction of the Samuel Hydroelectric Reservoir (Schneider et al., 1990). Seven diurnal primates are found at Samuel, including *Saguinus fuscicollis* which has a distribution otherwise restricted to the west of the Rio Madeira (Hershkovitz, 1977), but excluding howler monkeys, *Alouatta*.

An equivalent primate community was encountered on the west or left bank of the Rio Jiparaná at Calama, 100 km northwest of Samuel (Fig. 1), but not east of this river, which plays a role in the zoogeography of at least five platyrhine genera (Ferrari and Lopes, 1992). As no major river or other geographic barrier apparently separates these two sites from Guajará-Mirim, an equivalent primate community would be expected at this site. However, while seven diurnal monkeys were also observed during the preliminary survey at Guajará-Mirim in August 1995 reported here (Table 1), the composition of the primate community was different from that at the two sites described above, with the addition of howler monkeys, *Alouatta seniculus*, and omission of marmosets, *Callithrix emiliae*. The absence of *Callithrix* was confirmed in interviews with local residents, although the possibility of marmosets occurring in areas of the Park not visited during the survey cannot be ruled out altogether.

The differences between these communities raise a number of interesting questions with regard to the ecology and zoogeography of primates in southwestern Amazonia, in particular because both *Alouatta* and *Callithrix* are among the most ecologically versatile of the platyrhines.

One factor that may be important in the case of *Callithrix* is competition with a second callitrichine, *S. fuscicollis* (see Lopes and Ferrari, 1994), combined with differences in habitat quality, similar to those that may determine the distribution of *Callithrix argentata* east of the Rio Xingu (Ferrari and Lopes, 1990). Primary forest habitat observed at Guajará-Mirim appeared, qualitatively, to be of lower stature, more open, and more deciduous than that at Samuel, as might be expected from respective differences in latitude, altitude, and precipitation. However, while competition with a second ateline (*Ateles chamek*) may - at least potentially - be a factor, it is unclear how these same differences in habitat quality might have the opposite effect on the distribution of *Alouatta seniculus*.

Far more data are needed before a more definitive analysis of such factors will be possible, but the present study does indicate that *Callithrix* is less widely distributed in western Amazonia than was previously thought (Rylands et al., 1993), and that *S. fuscicollis* is more widespread.

The Guajará-Mirim State Park has, until very recently, been isolated from areas of human colonization, but

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**Table 1. Diurnal primates observed in the Guajará-Mirim State Park Rondônia.**

<table>
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<tr>
<th>Species</th>
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<tr>
<td><em>Alouatta seniculus</em></td>
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<td><em>Ateles chamek</em></td>
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<tr>
<td><em>Callicebus brunnneus</em></td>
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<td><em>Cebus apella</em></td>
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<td><em>Pithecia irrorata</em></td>
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<td><em>Saguinus fuscicollis weddell</em></td>
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<td><em>Saimiri (sciureus) ustus</em></td>
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