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Population status of birds in the Murici Ecological Station, Alagoas, Brazil

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The Atlantic forests in Pernambuco, northeastern Brazil, are considered one of the most critical areas for bird conservation in the world. The "Bananeiras" forest fragment, at Murici Ecological Station, is an extremely important site in this region, being the type-locality for four restricted-range species (*Philydor novaesi*, *Myrmotherula snowi*, *Terenura sicki* and *Phylloscartes ceciliae*) and with another 30 species of the official Brazilian Red List. In this study we conducted a survey in this forest remnant, in April and December 2007, using point-count method and understory mist-nets. We have already recorded a total of 127 species, including those detected in gaps between sample units, with 28 endangered taxa belonging to the Brazilian or the IUCN Red list. We detected 88 species on the 40 point-counts sampled and captured 29 species (138 individuals) throughout 1200 net-hours. The most common species were *Chiroxiphia pareola* (Frequency Index = 0.75), *Herpsilochmus rufimarginatus* (FI = 0.62), *Ramphocaenus melanurus* (FI = 0.45). The most captured species were *Pyriglena leuconota* (n = 22), *Conopophaga melanops nigrifrons* (n = 21), *Xiphorhynchus fuscus atlanticus*, *Myrmeciza ruficauda* and *C. pareola* (n = 10, each). *T. sicki* and *P. ceciliae* were detected just once on point-counts, and *M. snowi* and *P. novaesi* were rarely sighted during gaps in sampling. Our preliminary results indicate that some taxa included in red lists are locally abundant, however point out to the low abundance of others and their fragile conservation status. Such information is important for conservation measures, as a more accurate assessment on species updating of threat category.