

CoffeeReserve Project

Site Profile: Finca Dos Marias

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Cooper Ecological Monitoring, Inc.
15 So. Raymond Ave., 2nd Floor
Pasadena, CA 91105
www.cooperecological.com
dan@cooperecological.com

The CoffeeReserve Project is an independent assessment of forest reserves on coffee farms in Latin America. It is not a certification program, and is not affiliated with a conservation group or public agency. We seek to document and publicize the ecological value of intact forest currently protected by landowners, and to promote global biodiversity on private lands throughout the tropics.

Location: La Reforma, San Marcos, Guatemala
Ownership: Single-family
Property acreage: 900 ha **Size of forest:** 100 ha
Elevation of forest: 1500-1800 m
Vegetation: Broadleaf evergreen forest
Access: Single truck trail; patrolled by forest guard

Finca Dos Marias lies within the “Mesoamerica” Global Biodiversity Hotspot¹, and within this, in the “Sierra Madre de Chiapas Moist Forest” ecoregion². The conservation status of this ecoregion is: Critical/Endangered. Based on the distribution of bird species that occur *nowhere else on earth*, Finca Dos Marias lies within the “North Central American Highlands” and “North Central Am. Pacific Slope” Endemic Bird Areas (EBAs), which extend from southern Mexico to northern Nicaragua³.

- # **Bird species known from Finca Dos Marias:** 169 spp.⁴
- # **ENDEMIC BIRD SPECIES:** 11 confirmed on site; 46% of total known from EBAs.⁵
- # **THREATENED BIRD SPECIES:** 2 known from ecoregion⁵; 1 confirmed on site: Azure-rumped Tanager *Tangara cabanisi* (Endangered); population of 20+ individuals recorded in 2002 and 2006⁶
- # **Threatened amphibians:** N/A; up to 23 spp. may occur.⁷

Sources and additional information:

- ¹ <http://www.biodiversityhotspots.org/xp/Hotspots/mesoamerica/>
- ² <http://www.nationalgeographic.com/wildworld/terrestrial.html>
- ³ http://www.birdlife.org/action/science/endemic_bird_areas
- ⁴ http://www.cooperecological.com/fdm_birds.htm
- ⁵ Birdlife International 2000. *Threatened birds of the world*. Barcelona and Cambridge, UK: Lynx Edicions and Birdlife.
- ⁶ Cooper, D.S. 2003. New distributional and ecological information on birds in southwestern Guatemala. *Cotinga* 19:61-64.
- ⁷ <http://www.globalamphibians.org>

Endemic bird species recorded from Finca Dos Marias: Pacific Parakeet, Blue-tailed Hummingbird, Green-throated Mountain-Gem, Wine-throated Hummingbird, Blue-throated Motmot, Black-capped Swallow, Bushy-crested Jay, Rufous-browed Wren, Rufous-collared Thrush, Blue-and-white Mockingbird, Azure-rumped Tanager (as of 2006).

Threatened birds known from ecoregion: Horned Guan, Azure-rumped Tanager

Threatened amphibians known from ecoregion: *Bufo tacanensis*, *Agalychnis moreletii*, *Duellmanohyla schmidtorum*, *Plectrohyla avia*, *P. glandulosa*, *P. guatemalensis*, *P. bartvegi*, *P. matudai*, *P. sagorum*, *Craugastor greggi*, *C. lineatus*, *C. stuarti*, *Eleutherodactylus rubrimaculatus*, *Hypopachus barberi*, *Bolitoglossa engelhardti*, *B. flavimembris*, *B. franklini*, *B. rostrata*, *B. salvinii*, *Dendrotriton bromeliacius*, *Oedipina stenopodia*, *Pseudoeurycea brunnata*, *P. goebeli*



Coffee nursery, Finca Dos Marias



Azure-rumped Tanager
(ph. Lou Jost, www.loujost.com)



Plectrohyla matudai (ph. Greg Lasley)



Typical forest view, Finca Dos Marias. Mar. 2006