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Agalychnis moreletii

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Taxonomy

Kingdom	ANIMALIA
Phylum	CHORDATA
Class	AMPHIBIA
Order	ANURA
Family	HYLIDAE
Common Name/s	MORELET'S TREEFROG (E)
Species Authority	(Duméril, 1853)

Assessment Information

Red List Category & Criteria	CR A3e ver 3.1 (2001)
Year Assessed	2004
Assessor/s	Santos-Barrera, G., Lee, J., Acevedo, M. & Wilson, L.D.
Evaluator/s	Stuart, S., Chanson, J., Cox, N. & Young, B. (Global Amphibian Assessment Coordinating Team)
Justification	Listed as Critically Endangered because of a projected population decline, estimated to be more than 80% over the next ten years, probably due to chytridiomycosis.

Distribution

Country Names	Belize El Salvador Guatemala Honduras Mexico
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Summary Documentation

System	Terrestrial; Freshwater
Major Habitat/s (terms)	1.6 Forest - Subtropical/Tropical Moist 1.9 Forest - Subtropical/Tropical Moist Montane 5.7 Wetland - Permanent Freshwater Marshes/Pools (under 8ha) 5.8 Wetland - Seasonal/intermittent Freshwater Marshes/Pools (under 8ha)
Major Threat/s	1.1.1.1 Habitat Loss/Degradation - Agriculture - Crops -

[\(terms\)](#)

Shifting Agriculture (ongoing)

1.1.1.2 Habitat Loss/Degradation - Agriculture - Crops - Small-holder farming (ongoing)

6.3.1 Pollution (affecting habitat and/or species) - Water pollution - Agriculture (ongoing)

8.5 Changes in native species dynamics - Pathogens/parasites (ongoing)

Population Trend[\(terms\)](#)**Conservation Action/s**[\(terms\)](#)

3.1 Research actions - Taxonomy (in place)

3.9 Research actions - Trends/Monitoring (needed)

4.4.2 Habitat and site-based actions - Protected areas - Establishment (in place)

Detailed Documentation**Range**

This species occurs from north-eastern Puebla state and south-central Veracruz state, Mexico, to north-western Honduras on the Atlantic versant; and from south-central Guerrero state, Mexico, to central El Salvador on the Pacific versant, at elevations of 300 - 1,500m asl.

Range Map

(click for detailed map)

Population

It was formerly locally abundant in some locations in Chiapas state, Mexico, El Salvador and Guatemala. However, recent surveys in Guerrero, Oaxaca and Chiapas, Mexico, indicate that it has disappeared from all the sites surveyed. It is uncommon but occasionally found in breeding aggregations in Belize and Honduras. In Guatemala and Honduras, the population is declining due to habitat destruction.

Habitat and Ecology

It lives in lowland to montane moist forests on mountain slopes. It occurs in both pristine and disturbed habitats. It breeds in small intermittent or permanent waterbodies.

Threats

Chytridiomycosis is probably the main cause of the disappearance of populations in Mexico, and the species is now probably seriously at risk from this disease. Habitat destruction is also a threat to this species, which also was formerly common in the pet trade.

Conservation Measures

This species occurs in a number of protected areas throughout its range. Continued survey work is needed to monitor the population status of this species, and particularly to determine whether the reason for the apparent decline is due to chytridiomycosis.

Links to Other Sources**Databases**

Search AmphibiaWeb for this species.

[Global
Amphibian
Assessment](#)

Search Global Amphibian Assessment site for this species.



Search NatureServe InfoNatura for this species (Central and South America, Caribbean Islands)

**Species
2000**

Search the Species 2000 site for further information about this species.



Search the UNEP World Conservation Monitoring Centre site for further information about this species.

Images



Search Google for related images.



Search Picsearch for related images.

Data Sources

Data Sources

Amphibian Data. For additional documentation about utilization and CITES status, click on the Global Amphibian Assessment (GAA) link above to see the GAA account for this species or alternatively follow this link to the search function on the [Global Amphibian Assessment](#) web site and run your own search.

Duellman, W.E. 2001. *The Hylid Frogs of Middle America*. Society for the Study of Amphibians and Reptiles, Ithaca, New York, USA.

Lee, J.C. 1996. *The Amphibians and Reptiles of the Yucatán Peninsula*. Cornell University Press, Ithaca, New York, USA.

Lips, K.R., Mendelson III, J.R., Munoz-Alonso, A., Canseco-Marquez, L. and Mulcahy, D.G. 2004. Amphibian population declines in montane southern Mexico: resurveys of historical localities. *Biological Conservation* 119: 555-564.

McCrание, J.R. and Wilson, L.D. 2002. *The Amphibians of Honduras*. Society for the Study of Amphibians and Reptiles, Ithaca, New York, USA.

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