

## Richness, Distribution, Endemicity and Risk Category of the Amphibians of the Agriculture of the Warrior, the Veladero National Park Natural Area

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### ABSTRACT

*In Mexico, Guerrero as one of the States with better knowledge of their biological resources; including wild flora and fauna, "the anfibiota" lists of species of particular areas, for example, protected natural areas, however, lack of works that integrate the richness, distribution, endemicity and category of risk of amphibians of national park the valid, of 17 species of anamphibians, five species are included in the NOM-059-SEMARNAT-2010, 2 of them *Dendropsophus sartori* is threatened, four are subject to special protection and problems of conservation.*

**Key words:** *anfibiota, richness-distribution, *Dendropsophus sartori*, problems of conservation.*

### INTRODUCTION

Has he considered Guerrero as one of the States with better knowledge of their biological resources, including wild flora and fauna. With respect to the anfibiota, this knowledge was based on information and listings published by Perez and Saldaña<sup>1</sup> Contemporary studies mainly considered the description of new species, registration or extension of range of taxa, lists of species of particular areas, for example, protected natural areas, however, lack of works that integrate the richness, distribution, endemicity and category of risk of amphibians of national park the valid. A preliminary assessment has a total of 17 species of amphibians, five species are included in the NOM-059-SEMARNAT-2010,<sup>2</sup> of them *Dendropsophus sartori* is threatened, four are subject to special protection. The family Leptodactylidae, Rhinophrynidae, and Microhylidae (Anura) presented the biggest problems of conservation.

**Aim.** Report and alert on the richness, distribution, endemicity and category of risk of amphibians of the valid national park.

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Area De Estudio: Parque Nacioanl El Veladero



*Tlalocohylasmithi*

### MATERIAL AND METHODS

Community intervention and the registration technique was used by visual encounter, logbook and contextual evidence

### RESULTS AND DISCUSSION

The National Park The Valid stands out for its high richness of amphibians, product of the variety of conditions biogeographic and geological phenomena that occur in their territory. The group faces conservation problems caused by loss of habitat (probably the most well-documented), which together with other problems such as pollution, the introduction of exotic species, climate change, emerging diseases, should be evaluated to establish strategies for specific conservation. The results continue to be partial, since several areas of the state remain unexplored, or has been only partially. Also persist taxonomic problems that will lead to changes in the composition wealth and distribution of amphibians in the state of Guerrero.

### CONCLUSION

The Significance of Their knowledge of biological resources; Wild Flora and Fauna "the amphibian fauna," That lack of works integrate the richness, distribution, endemicy and category of risk of amphibians of the valid national park. are factors in the increase of endangered species and conservation issues.

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**The authors** declare that there is no conflict of interests for the publication of this research paper.

### REFERENCES

1. Pérez-Ramos, E., L. Saldaña de la Riva y Z. Uribe Peña. A checklist of the reptiles and amphibians of Guerrero, México. *Anales del Instituto de Biología, UNAM, Serie Zoología* **71**: 21-40 (2000).
2. Mexican Official Standard NOM-059-SEMARNAT-2010, environmental protection-species native to Mexico of wild flora and fauna-risk categories and specifications for their inclusion, exclusion or change-list of species at risk. Thursday December 30 2010, consulted 26 October 2015. Available at: [http://www.profepa.gob.mx/innovaportal/file/435/1/NOM\\_059\\_SEMARNAT\\_2010.pdf](http://www.profepa.gob.mx/innovaportal/file/435/1/NOM_059_SEMARNAT_2010.pdf)