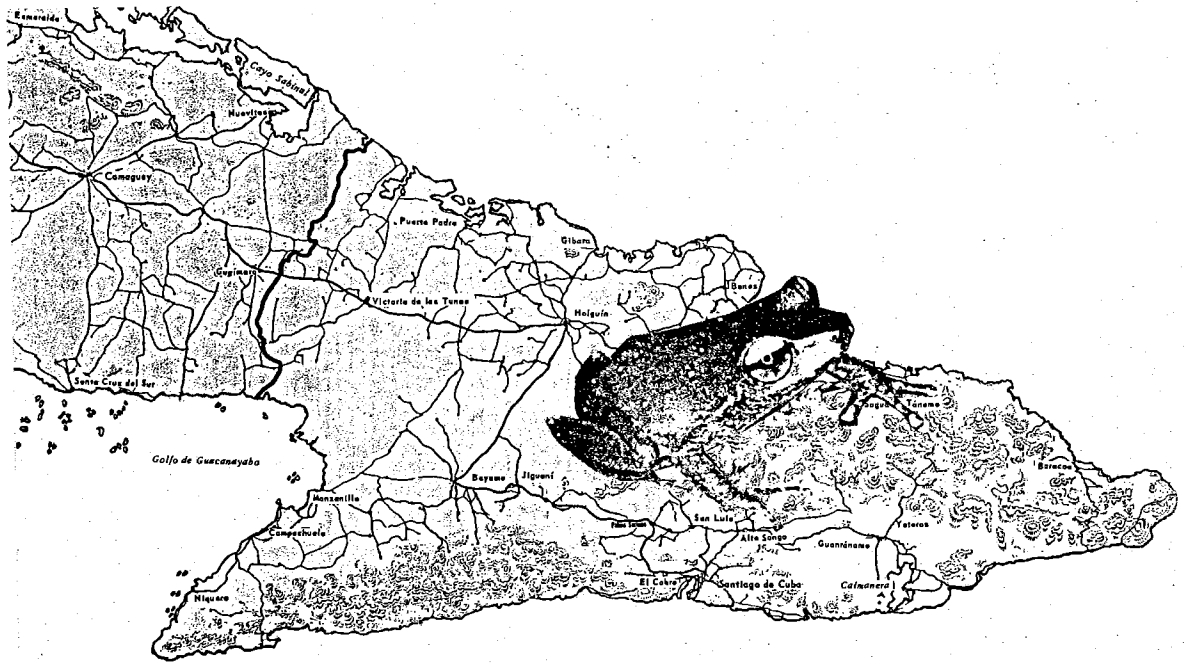


**CHECKLIST OF AMPHIBIANS AND REPTILES
OF THE
SAGUA-BARACOA MOUNTAINS, EASTERN CUBA**



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INTRODUCTION

The mountains of eastern Cuba mountains are the main center of floristic and faunistic diversity and have the highest endemism on the island. Considering only the vertebrates, these mountains harbor 71% of Cuba's species and 30% of its endemic species (Fong, 1994). Specifically, the Sagua-Baracoa Mountains contain, together with Sierra Maestra, the most endemic amphibians and reptiles and the greatest number of species. Fifty-three percent of Cuban amphibians and 45.6% of Cuban reptiles occur in Sagua-Baracoa. Although these mountains comprise less than a fourth of the Cuban territory, they have half of the Cuban herpetofauna.

The high endemism (93.1% in amphibians and 74.2% in reptiles), along with 40% of the species being typical of Sagua-Baracoa, contribute to the national and global importance of this area. For this reason, we prepared the following checklist. It includes all species of amphibians and reptiles of Sagua-Baracoa described through June 2000. The list also summarizes the endemism and distribution of the S-B herpetofauna. Despite the currency of this report, it is not conclusive because new species continue to be described. We agree with the statement of Schwartz and Henderson (1991): "we hope that new species are discovered and described for many years to come".

The compilation of this checklist is based on the author's field work and observations throughout the eastern Cuba, as well as data from the Cuban herpetological collections of the Instituto de Ecología y Sistemática, Museo Nacional de Historia Natural, Museo de Historia Natural of Holguín, and Centro Oriental de Ecosistemas y Biodiversidad (BIOECO) of Santiago de Cuba. We also used the herpetological database created for a previous work (Fong, 1994), in which all literature about Eastern Cuban vertebrates through 1993 was reviewed. In addition to that literature we include new species descriptions from 1994 onward.

We define the Sagua-Baracoa Mountains (following Nuñez et al., 1989) as consisting of the Sierra de Nipe (SN), Alturas del Segundo Frente (SF), Sierra del Cristal (SC), Sierra de Sagua de Tánamo (ST), Gran Meseta de Guantánamo (MG), Cuchillas de Toa (CT), Alturas de Moa (AM), Cuchillas y Mesas de Baracoa-Imías (CB), Gran Meseta Cársica de Baracoa (MB), Mesas Costeras Aterrazadas de Guantánamo-Cajobabo (TG) and Llanura Costera Yaguaneque-Baracoa (LC). For a detailed map of the Sagua-Baracoa region see Nuñez et al. (1989).

Abbreviations are as follow: EN = Endemism, E = Cuban endemic, R = Regional Cuban endemic (known only from Sagua-Baracoa), L = Local Cuban endemic (known only from isolated localities in Sagua-Baracoa), - = No endemic species, I = Introduced species.

Acknowledgements

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CHECKLIST

	EN	DISTRIBUTION	DATA SOURCES
AMPHIBIA			
ANURA			
Bufonidae			
<i>Bufo longinasus</i>	E	MG	Valdés and Ruiz (1980) Garrido and Jaume (1984)
<i>Bufo peltoccephalus</i>	E	SN, SC, ST, MG, CT, AM, MB, TG	Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data
<i>Bufo taladai</i>	E	SN, MG, CT, AM, CB, MB, TG	Garrido and Jaume (1984) Estrada et al.(1987) Authors' unpub. data Collection's data
Hylidae			
<i>Osteopilus septentrionalis</i>	-	SN, SF, SC, ST, MG, CT, AM, CB, MB, TG, LC	Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data
Leptodactylidae			
<i>Eleutherodactylus acmonis</i>	E	SC, ST, MG, CT, AM, CB, MB	Garrido and Jaume (1984) Estrada et al.(1987) Abreu et al. (1989) Collection's data
<i>Eleutherodactylus atkinsi</i>	E	SN, SC, MG, CT, AM, CB, MB, TG, LC	Estrada et al.(1987) Abreu et al. (1989) Hedges et al. (1992) Authors' unpub. data Collection's data
<i>Eleutherodactylus auriculatus</i>	E	ST, MG, CT, AM, CB	Estrada et al.(1987) Estrada and Hedges (1997) Authors' unpub. data Collection's data
<i>Eleutherodactylus bartonsmithi</i>	L	ST, MB	Garrido and Jaume (1984) Hedges et al. (1992) Collection's data
<i>Eleutherodactylus bresslerae</i>	L	MB	Garrido and Jaume (1984) Silva Taboada (1988) Abreu et al. (1989) Collection's data

<i>Eleutherodactylus cuneatus</i>	E	SN, SC, ST, MG, CT, AM, CB, MB, LC	Barbour and Ramsden (1919) Garrido and Jaume (1984) Estrada et al.(1987) Hedges et al. (1992) Estrada and Hedges (1998) Authors' unpub. data Collection's data
<i>Eleutherodactylus dimidiatus</i>	E	SN, MG, CT, AM, MB	Garrido and Jaume (1984) Estrada et al.(1987) Hedges et al. (1992) Authors' unpub. data
<i>Eleutherodactylus guantanamera</i>	E	MG, CT, AM, CB	Hedges et al. (1992) Fong (2000) Authors' unpub. data Collection's data
<i>Eleutherodactylus gundlachi</i>	E	MG, CB	Garrido and Jaume (1984)
<i>Eleutherodactylus iberia</i>	L	CB	Estrada and Hedges (1996b) Authors' unpub. data
<i>Eleutherodactylus intermedius</i>	E	CB	Garrido and Jaume (1984)
<i>Eleutherodactylus ionthus</i>	E	SN, SF, SC, ST, MG, CT, AM, CB, MB	Garrido and Jaume (1984) Estrada et al.(1987) Authors' unpub. data Collection's data
<i>Eleutherodactylus leberi</i>	E	MG	Garrido and Jaume (1984) Hedges et al. (1992)
<i>Eleutherodactylus limbatus</i>	E	SN, SC, ST, MG, CT, AM, MB	Estrada et al.(1987) Silva Taboada (1988) Hedges et al. (1992) Authors' unpub. data Collection's data
<i>Eleutherodactylus mariposa</i>	L	MG	Hedges et al. (1992)
<i>Eleutherodactylus orientalis</i>	L	MG, CB	Garrido and Jaume (1984) Estrada and Hedges (1996b) Collection's data
<i>Eleutherodactylus pezopetrus</i>	E	SN, MG	Collection's data
<i>Eleutherodactylus planirostris</i>	-	SN, SC, MG, CT, AM, CB, MB, LG	Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data
<i>Eleutherodactylus principalis</i>	R	ST, CT, AM, CB	Estrada and Hedges (1997)
<i>Eleutherodactylus ricordi</i>	E	SN, SC, MG, CT, AM, CB, MB	Hedges et al. (1992) Authors' unpub. data Collection's data

<i>Eleutherodactylus riparius</i>	E	SN	Authors' unpub. data
<i>Eleutherodactylus ronaldi</i>	E	ST, MG, CT, AM, CB	Garrido and Jaume (1984), Estrada et al.(1987) Hedges et al. (1992) Authors' unpub. data Collection's data
<i>Eleutherodactylus tetajulia</i>	L	CB	Estrada and Hedges (1996a) Authors' unpub. data
<i>Eleutherodactylus toa</i>	R	SF, ST, MG, CT, AM, MB	Estrada and Hedges (1991) Fong (2000) Collection's data
<i>Eleutherodactylus varleyi</i>	E	SN, SC, MG, AM, CB	Estrada et al.(1987) Collection's data Authors' unpub. data
<i>Rana catesbeiana</i>	I	SF, SN, SC	Authors' unpub. data
REPTILIA			
SQUAMATA			
Amphisbaenidae			
<i>Amphisbaena cubana</i>	E	SN, SC, CT	Estrada et al.(1987) Thomas and Hedges (1998a) Navarro et al. (in press) Authors' unpub. data
Anguidae			
<i>Diploglossus nigropunctatus</i>	R	SC, MG, CT, CB, MB	Garrido and Jaume (1984) Estrada et al.(1987) Abreu et al. (1989) Thomas and Hedges (1998b) Authors' unpub. data Collection's data
Gekkonidae			
<i>Gonatodes albogularis</i>		SC, MB, LC	Authors' unpub. data Collection's data
<i>Hemidactylus haitianus</i>	-	SN, SC, MB, LC	Authors' unpub. data Collection's data
<i>Sphaerodactylus armasi</i>	L	MB, TG	Schwartz and Garrido (1974) Garrido and Jaume (1984) Schwartz and Garrido (1985) Collection's data
<i>Sphaerodactylus bromeliarum</i>	L	CB	Garrido and Jaume (1984) Schwartz and Garrido (1985)

<i>Sphaerodactylus celicara</i>	R	CT, AM, CB, MB, LC	Garrido and Jaume (1984) Garrido and Schwartz (1982) Estrada et al.(1987) Authors' unpub. data Collection's data
<i>Sphaerodactylus elegans</i>	-	ST, CB	Schwartz and Garrido (1985) Authors' unpub. data Collection's data
<i>Sphaerodactylus nigropunctatus</i>	-	MG, LC	Garrido and Jaume (1984) Schwartz and Garrido (1985) Authors' unpub. data Collection's data
<i>Sphaerodactylus notatus</i>	-	SC, MG,CB, MB, LC	Schwartz and Garrido (1985) Authors' unpub. data Collection's data
<i>Sphaerodactylus ramsdeni</i>	E	MG	Garrido and Jaume (1984) Schwartz and Garrido (1985) Thomas et al. (1992) Collection's data
<i>Sphaerodactylus ruibali</i>	L	TG	Garrido and Jaume (1984) Schwartz and Garrido (1985) Authors' unpub. data Collection's data
<i>Tarentola americana</i>	-	SN, SC, MB, TG, LC	Barbour and Ramsden (1919) Abreu et al. (1989) Navarro et al. (in press) Authors' unpub. data Collection's data
Iguanidae/Iguaninae			
<i>Cyclura nubila</i>	-	CB, TG, MB	Barbour and Ramsden (1919) Authors' unpub. data
Iguanidae/Polychrotidae			
<i>Anolis alayoni</i>	R	SN, SC, MG, CT, AM, CB, MB, LC	Estrada and Hedges (1995) Navarro et al. (in press) Authors' unpub. data
<i>Anolis alfaroi</i>	L	MG	Garrido and Hedges (1992) Collection's data
<i>Anolis allogus</i>	E	SN, SC, ST, MG, CT, AM, CB, MB, LC	Barbour and Ramsden (1919) Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data

<i>Anolis alutaceus</i>	E	SN, SC, ST, MG, CT, AM, CB	Garrido (1980) Garrido and Jaume (1984) Estrada et al.(1987) Abreu et al. (1989) Garrido and Estrada (1989) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Anolis anfiloquioi</i>	R	SN, SC, CB, MB, TG	Garrido (1980) Garrido and Jaume (1984) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Anolis angusticeps</i>	-	MG, AM, CB, MB, LC	Garrido (1975c) Estrada et al.(1987) Estrada and Hedges (1995) Authors' unpub. data Collection's data
<i>Anolis argenteolus</i>	E	SN, SC, ST, MG, CT, AM, CB, MB, TG, LG	Estrada et al.(1987) Abreu et al. (1989) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Anolis argillaceus</i>	E	SC, ST, MG, CT, AM, CB, MB	Garrido (1975a) Estrada et al.(1987) Authors' unpub. data Collection's data
<i>Anolis baracoae</i>	R	CT, CB,MB	Schwartz and Garrido (1972) Garrido and Jaume (1984) Authors' unpub. data Collection's data
<i>Anolis centralis</i>	E	MG, MB,TG	Garrido (1975a) Garrido and Jaume (1984) Authors' unpub. data Collection's data
<i>Anolis cupeyalensis</i>	E	SN, SC, ST, MG, CT	Garrido (1975b) Garrido and Jaume (1984) Estrada et al.(1987) Schwartz and Henderson (1991) Authors' unpub. data Collection's data
<i>Anolis cyanopleurus</i>	R	SC, MG, CT, CB,MB	Garrido (1975b) Garrido and Jaume (1984) Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data
<i>Anolis fugitivus</i>	L	AM, LC	Garrido (1980) Garrido and Jaume (1984) Authors' unpub. data

<i>Anolis homolechis</i>	E	SN, SC, ST, MG, CT, AM, CB, LC	Garrido (1975b) Estrada et al. (1987) Abreu et al. (1989) Authors' unpub. data Collection's data
<i>Anolis imias</i>	L	MB, TG	Garrido and Jaume (1984) Fong (2000) Collection's data
<i>Anolis inexpectatus</i>	R	ST, CT, AM	Garrido and Estrada (1989) Authors' unpub. data Collection's data
<i>Anolis isolepis</i>	E	SN, SC, ST, MG, CT, AM, MB, LC	Garrido and Jaume (1984) Estrada et al.(1987) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Anolis jubar</i>	E	MB, TG, LC	Garrido (1973a) Garrido and Jaume (1984) Silva Taboada (1988) Authors' unpub. data Collection's data
<i>Anolis loysianus</i>	E	SN, SC, ST, CT, AM	Barbour and Ramsden (1919) Estrada et al.(1987) Navarro et al. (in press) Authors' unpub. data
<i>Anolis macilentus</i>	L	MG	Garrido and Hedges (1992) Authors' unpub. data Collection's data
<i>Anolis noblei</i>	E	SN, ST, CT	Schwartz and Garrido (1972) Garrido and Jaume (1984) Authors' unpub. data
<i>Anolis ophiolepis</i>	E	SN, MG, AM	Garrido and Jaume (1984) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Anolis porcatus</i>	E	SN, SF, SC, ST, MG, CT, AM, CB, MB, TG, LC	Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data
<i>Anolis rubribarbus</i>	R	ST, CT, AM, LC	Garrido and Jaume (1984) Estrada et al.(1987) Authors' unpub. data Collection's data
<i>Anolis sagrei</i>	-	SN, SF, SC, ST, MG, CT, AM, CB, MB, TG, LC	Estrada et al.(1987) Abreu et al. (1989) Authors' unpub. data Collection's data

<i>Anolis smallwoodi</i>	E	SC, ST, MG, CT, AM, TG, LC	Schwartz and Garrido (1972) Garrido and Jaume (1984) Estrada et al.(1987) Schwartz and Henderson (1991) Authors' unpub. data Collection's data
<i>Anolis sp.</i>	L	CM	Fong and Garrido (in press)
<i>Anolis vescus</i>	L	CB	Garrido and Hedges (1992) Collection's data
<i>Chamaeleolis porcus</i>	R	SN, SC, MG, CB, MB	Garrido (1982) Garrido and Jaume (1984) Navarro et al.(in press) Authors' unpub. data Collection's data
Iguanidae/Tropiduridae			
<i>Leiocephalus carinatus</i>	-	CB, MB, TG, LC	Garrido and Jaume (1984) Collection's data
<i>Leiocephalus cubensis</i>	E	SN, SC, MG, AM, LC	Garrido and Jaume (1984) Abreu et al. (1989) Navarro et al.(in press) Authors' unpub. data
<i>Leiocephalus macropus</i>	E	SN, SF, SC, ST, MG, CT, AM, CB, MB, TG, LC	Garrido (1979) Garrido and Jaume (1984) Estrada et al.(1987) Abreu et al. (1989) Navarro et al.(in press) Authors' unpub. data Collection's data
<i>Leiocephalus onaneyi</i>	L	TG	Garrido (1973b) Garrido and Jaume (1984)
<i>Leiocephalus raviceps</i>	E	MB, TG	Garrido and Jaume (1984) Authors' unpub. data Collection's data
Teiidae			
<i>Ameiva auberi</i>	-	SN, SC, ST, CT, AM, MB, TG, LC	Garrido and Jaume (1984) Estrada et al.(1987) Navarro et al.(in press) Authors' unpub. data Collection's data
Boidae			
<i>Epicrates angulifer</i>	E	SN, SC, ST, CT, AM, CB	Estrada et al.(1987) Abreu et al. (1989) Navarro et al. (in press) Authors' unpub. data Collection's data

Colubridae		
<i>Alsophis cantherigerus</i>	-	SN, SC, ST, MG, CT, AM, CB, MB, TG Garrido and Jaume (1984) Estrada et al.(1987) Silva Taboada (1988) Abreu et al. (1989) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Antillophis andreae</i>	E	SN, SC, MG, CT, AM, CB, MB, TG Estrada et al.(1987) Abreu et al. (1989) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Arrhyton landoi</i>	E	CB, MB, TG Schwartz and Garrido (1981) Garrido and Jaume (1984) Hedges and Garrido (1992a)
<i>Arrhyton supernum</i>	L	MG, CB Hedges and Garrido (1992a) Collection's data
<i>Tretanorhinus variabilis</i>	-	SN, SC, AM Navarro et al. (in press) Collection's data
Tropidophidae		
<i>Tropidophis fuscus</i>	R	CT, AM, CB, MB Hedges and Garrido (1992b) Fong (2000) Authors' unpub. data Collection's data
<i>Tropidophis melanurus</i>	-	SN, SC, ST, MG, CT, AM, CB, MB, TG, LC Estrada et al.(1987) Hedges and Garrido (1992b) Navarro et al. (in press) Authors' unpub. data Collection's data
<i>Tropidophis pilsbryi</i>	E	SN, MB Garrido and Jaume (1984) Collection's data
<i>Tropidophis wrighti</i>	E	SN, CT, AM Estrada et al.(1987) Hedges and Garrido (1992b) Authors' unpub. data Collection's data
Typhlopidae		
<i>Typhlops biminiensis</i>	-	MB Authors' unpub. data
<i>Typhlops lumbricalis</i>	-	SN, ST, MG, CT, AM, CB, MB Estrada et al.(1987) Navarro et al. (in press) Authors' unpub. data Collection's data
TESTUDINES		
Emydidae		
<i>Trachemys decussata</i>	-	SN Navarro et al. (in press)

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