

**ELEUTHERODACTYLUS
GLANDULIFER**

AMPHIBIA: SALIENTIA: LEPTODACTYLIDAE

Catalogue of American Amphibians and Reptiles.

SCHWARTZ, ALBERT. 1983. *Eleutherodactylus glandulifer*.

***Eleutherodactylus glandulifer* Cochran**

Eleutherodactylus glandulifer Cochran, 1935:367. Type-locality, "north and east foothills of Massif de la Hotte [Département du Sud], Haiti, between 1,000 and 4,000 feet." Holotype, Mus. Comp. Zool. Harvard University 19851, adult female collected by P. J. Darlington in October 1934 (examined by author).

• **CONTENT.** No subspecies are recognized.

• **DEFINITION.** An Antillean *Eleutherodactylus* of the *ricordi* group characterized by the combination of large size (males to 36 mm, females to 53 mm snout-vent length); gunmetal gray to brown dorsum, dark brown and putty colored, often with variable amounts of bright green, from a few spots to large portions of the dorsum; faintly pinkish to deep yellow ventral ground color, the venter of males heavily and discretely marked with large coarse dark spots, that of females with much less prominent grayish spots and interspersed gray stippling to give an obliterative effect; groin with or without pink or orange suffusions (usually without), this coloration extending onto the crura and concealed surfaces of thighs; a large rectangular gland above the shoulder and another smaller one below it in front of the arm; a second larger diamond-shaped gland on the flank in front of the hindleg, and a third, large and long gland extending along the posterior part of the femur almost to the knee; high tibia/snout-vent length ratio (51.7-60.1) in males, 53.3-62.7 in females). (Color notes in life by Richard Thomas from specimens collected from near Castillon, Dept. du Sud, Haiti).

• **DESCRIPTIONS.** Cochran's (1935) description was repeated by her (1941) without change. The color notes in her description are based upon the only preserved specimen known to her. After five years in preservative specimens appear very plain and show no dorsal pattern elements. The glandular areas are raised but not set off chromatically in the preserved specimens. Cochran gave the sex of the large holotype as male, but it is a female.

• **ILLUSTRATIONS.** Cochran (1941:pl. 10A) has photographs of dorsal and ventral views of the holotype; the photographs are undistinguished, but the specimen itself is comparable to the photos.

• **DISTRIBUTION.** Schwartz and Thomas (1975:22) gave the distribution as the type-locality (which is actually the north and east foothills of the Pic Macaya in the Massif de la Hotte) and

south of Castillon in that same range. Schwartz et al. (1978) added Carcassee and Zapoti near the tip of the Tiburon Peninsula. Altitudinal distribution is from 1000 to 4800 feet (305-1460 m).

• **FOSSIL RECORD.** None.

• **PERTINENT LITERATURE.** The species was mentioned by Schwartz (1973) in reference to its position in the Hispaniolan south island *Eleutherodactylus* fauna; all other references are noted above.

• **REMARKS.** Thomas collected a large series of *E. glandulifer* "under logs in a recent clearing and under rocks along a path through dwarf (scrubby) cloud forest" between 3000 and 4000 feet (915-1220 m), ca. 2 km (airline) south of Castillon. His 104 specimens indicate that *E. glandulifer* is not uncommon in this region. It is noteworthy that about 95 percent of these specimens have light to very heavy infestations of encysted nematodes on the thighs and near the vent, and occasionally elsewhere on the body skin.

Specimens of *Eleutherodactylus glandulifer* and data were collected under the sponsorship of National Science Foundation grants G-7977 and B-023603.

• **ETYMOLOGY.** The name *glandulifer* is from the Latin "glans" (=acorn; diminutive "glandula") and the suffix "-fer" (bearing, from "ferre"), in reference to the glandular areas.

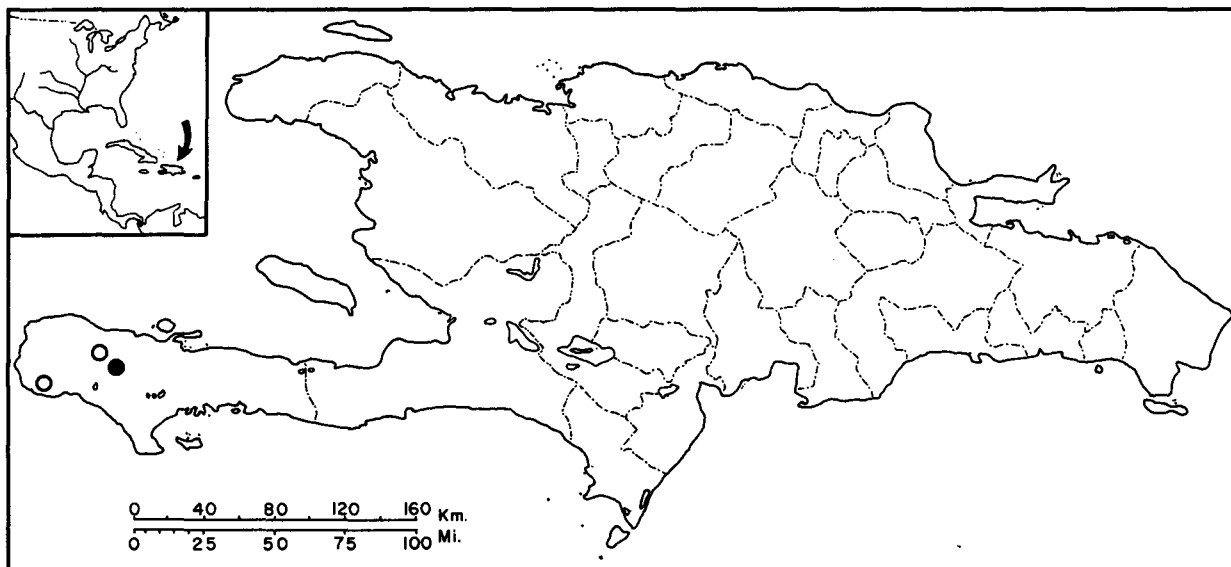
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MAP. Distribution of *Eleutherodactylus glandulifer* in Haiti. Solid circle indicates type-locality; open circles mark other records.