



Notes on the Distribution of the Central American Collared Geckolet, *Sphaerodactylus glaucus* (Squamata: Sphaerodactylidae), in Quintana Roo, Mexico

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The Central American Collared Geckolet, *Sphaerodactylus glaucus* (Squamata: Sphaerodactylidae), ranges from southern Mexico into Guatemala and Honduras. In Mexico, it occurs in the states of Veracruz, Oaxaca, Tabasco, Chiapas, Campeche, Yucatán, and Quintana Roo (Lee 2000; García-Grajales et al. 2014). This species occurs in a variety of natural habitats, including tropical wet forest, tropical moist forest, tropical dry forest, tropical very dry forest, and subtropical moist forest, as well as anthropogenically modified habitats such as coffee and banana plantations and within houses (Wilson and Johnson 2010; Vásquez-Cruz et al. 2018). *Sphaerodactylus glaucus* is a small gecko (SVL to 29 mm; Köhler 2008) that is easily distinguished from *S. argus* by its coloration and pattern and from *S. millepunctatus* by its smooth dorsal scales.

At about 1100 h on 17 August 2017, OCM found a *Sphaerodactylus glaucus* (SVL = 13 mm; Fig. 1A) in the Ecoarceological Park Xcaret (20°34'50.72"N, -87°07'10.32"W; WGS 84; elev. 11m), Municipality of Solidaridad, Quintana Roo, Mexico. The individual was photographed and released. We deposited a photographic voucher in the herpetological collection of the Natural History Museum of Los Angeles (LACM PC 2472).

At about 1800 h on 10 March 2019, OCM found a *Sphaerodactylus glaucus* (Fig. 1B) on a construction pillar in Park Xel-Há (20°19'09.69"N, -87°21'28.12"W; WGS 84; elev. 5 m), Municipality of Cozumel, Quintana Roo, Mexico. The gecko was not captured, but we deposited a photographic voucher in the herpetological collection of the Natural History Museum of Los Angeles (LACM PC 2473). Subsequently, at



Fig. 1. Central American Collared Geckolets (*Sphaerodactylus glaucus*) from the Ecoarceological Park Xcaret, Municipality of Solidaridad, Quintana Roo, Mexico (A) and from Park Xel-Há, Municipality of Cozumel, Quintana Roo, Mexico (B & C). Photographs by Oscar Cid-Mora.

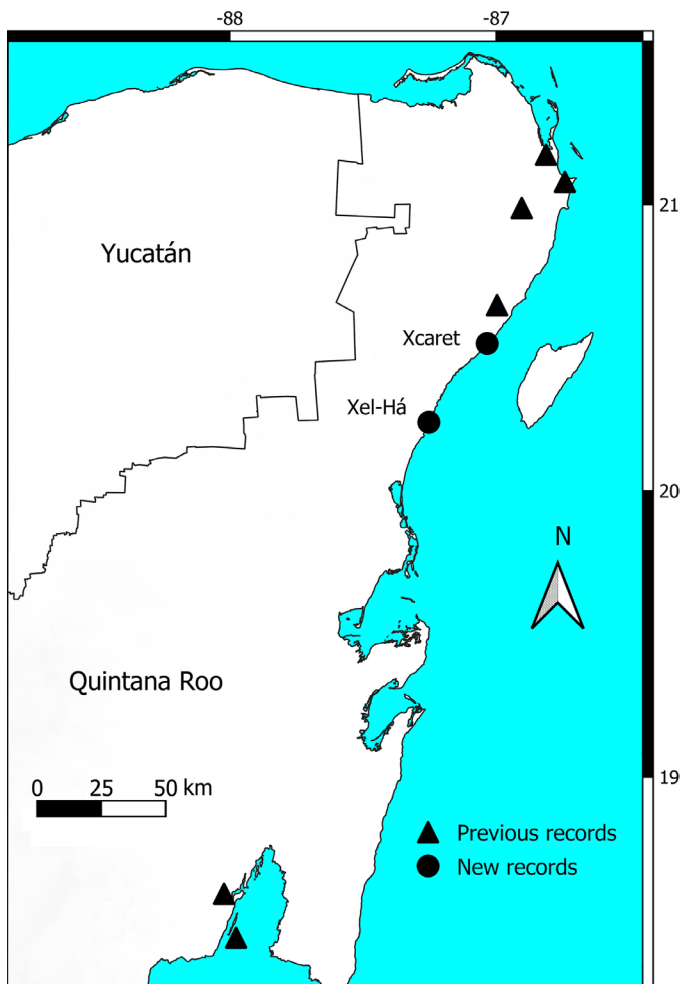


Fig. 2. Locality records for the Central American Collared Geckolet (*Sphaerodactylus glaucus*) in Quintana Roo, Mexico.

about 0800 h on 7 November 2019, OCM photographed an adult perched on an ornamental plant (Fig. 1C).

These observations represent a new municipal record for the Municipality of Cozumel and the second record in the

Municipality of Solidaridad, Quintana Roo (Fig. 2). They are 16 and 53 km SSW, respectively, of the closest previously documented record (10 km N of Playa del Carmen; Parmerlee and Powell 1980). The species had been reported previously in the municipalities of Othon P. Blanco, Isla Mujeres, Benito Juárez, and Solidaridad (Lee 1980, 2000; Parmerlee and Powell 1980; García-Grajáles et al. 2014). This species is listed as “Subject to Special Protection (Pr)” (NOM-059-2010; SEMARNAT 2010), so documenting its distribution and noting its potential tolerance to urbanization are important.

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