

Scientific note

# First record of the Australian diving beetle *Hydroglyphus godeffroyi* (Sharp, 1882) in New Guinea

(Coleoptera, Dytiscidae, Bidessini)

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A team of students and scientists from the Cendrawasih University (Waena campus, Jayapura, Papua), namely Evi Warikar, Ani Waroni, and the third author, visited the savanna and grassland region in the very south of New Guinea (Papua Province, Indonesia) in 2011. The main goal was to conduct an initial study of the aquatic invertebrate fauna in that region, which strongly resembles savanna and grassland regions of northern Australia. First results were published by Surbakti et al. (2021). Based on this initiative, and recent findings in other collections, we here report the discovery of the Australian diving beetle *Hydroglyphus godeffroyi* (Sharp, 1882) in New Guinea, including the Kei Islands. The diving beetle genus *Hydroglyphus* Motschulsky, 1853 is distributed with 92 species in the African, Palearctic, Oriental and Australasian realms (Nilsson & Hájek 2021). So far ten species of the genus are known to occur in Australia (Hendrich 1999).



Fig. 1. *Hydroglyphus godeffroyi*. Habitus dorsal, length of beetle 1.9 mm.

## *Hydroglyphus godeffroyi* (Sharp, 1882)

Type locality and type collecting data: Australia, Queensland, Rockhampton (Nilsson & Hájek 2021: 113).

**Known distribution.** Australia. Northern Australia, from the Kimberley region, Darwin area, Arnhemland, to northern Queensland. Along the east coast south to northern New South Wales (Bonville). Scattered records from the Pilbara region, South Australia and Victoria (Watts 1978; Hendrich unpublished data).

**Material studied.** 6 exs, "Indonesia, Papua, Merauke, Wasur, pools; 20 m; 15.-16.X.2011; -7.674271° 140.454328°; UNCEN team"; 6 exs, "Indonesia, Papua, Merauke Wasur NP, 8.XI.2006 K. Tindige & S. Printivi leg."; 3 exs, "INDONESIA or. KEI ISLANDS ca. 10 km W Tual city, vic. Ohoiderwaton village, 10 m, 5°37'13"S 132°39'20"E 17.-20.II.2011 leg. A. Skale (013)". **First record for New Guinea.**

Voucher specimens are stored in the Koleksi Serranga Papua (KSP), Department of Biology, Universitas Cendrawasih, Waena, Papua, Indonesia as well as Museum Zoologicum Bogoriense (MZB), Cibinong, Indonesia.

**Identification.** The species was identified based on material collected by the first author in Australia and with the publication of Hendrich (1999).

**Habitat.** All specimens at Wasur Reserve collected in rest pools of open, half shaded savanna forest, in an area that would be widely inundated during the wet season. Bottom with very

thick layer of leaves (up to 70 cm), and margins with area of wet leaves that form small open water once stepped on (see Suribakti et al. 2021).

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## References

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