

LIMNONECTES PALAVANENSIS (Smooth Guardian Frog). **ALTITUDE.** *Limnonectes palavanensis* is a small raniform anuran (SVL up to 40 mm) with conspicuous tympanums and supratympanic folds, smooth reddish to chocolate brown top of the head and dorsum except for a distinctive inverted V-shaped ridge between the shoulders and two unbroken folds from behind the eyes to the lower back, several posterior dorsolateral dark spots, immaculate orange yellow ventrum, and half-webbed toes with faintly dilated tips (Malkmus et al. 2002. Amphibians and Reptiles of Mount Kinabalu [North Borneo]. A.R.G. Gantner Verlag K.G. Ruggell. 424 pp.; Inger 2005. The Systematics and Zoogeography of the Amphibia of Borneo. Natural History Publications [Borneo] Sdn. Bhd. Kota Kinabalu. 402 pp.). *L. palavanensis* occurs in Palawan of the Philippines, and Borneo (Sabah and Sarawak of Malaysia, Brunei Darussalam, and Kalimantan of Indonesia) (Inger 2005, *op. cit.*; Das 2007. A Pocket Guide: Amphibians and Reptiles of Brunei. Natural History Publications [Borneo] Sdn. Bhd. Kota Kinabalu. viii + 200 pp.; Inger 2007. Systematics and Zoogeography of Philippine Amphibia. Natural History Publications [Borneo] Sdn. Bhd. Kota Kinabalu. vi + 370 pp.). The species dwells in leaf litter of primary forests, and the tadpoles are transported by the males to water bodies, including rainwater-filled silty puddles (Inger and Stuebing 2005. A Field Guide to the Frogs of Borneo. Second ed. Natural History Publications [Borneo] Sdn. Bhd. Kota Kinabalu. viii + 201 pp.; Das 2007, *op. cit.*). Previous publications reported the altitudinal range for the species to be near sea level – 1300 m asl (Malkmus et al. 2002, *op. cit.*; Inger and Stuebing 2005, *op. cit.*). Herein we report a new altitude limit for *L. palavanensis*.

On 11 December 2008, between 1900 and 2200 h, an adult *L. palavanensis* (SVL 26 mm, 1.7 g) was sampled via opportunistic examination at Geludu Trail on Geludu Hill (6°N 116.5375°E; 1502 m elev.), Bundu Tuhan, Ranau District, West Coast Division, Sabah, Bornean Malaysia. The male anuran was found on the forest floor amongst dead leaves, and was not guarding eggs or carrying any tadpole. Air temperature was 16.2°C, and relative humidity was 88.1%. Geludu Hill is densely forested with elevation of 1200 – 1550 m asl. The hill houses other anuran species associated with forest floor such as *Ansonia longidigita*, *Leptobrachella baluensis*, *Leptobrachium montanum*, *Leptolalax dringi* and *Chaperina fusca*, as well as with primary forest: *Philautus aurantium*, *P. bunitus*, *P. petersi* and *Rhacophorus angulirostris*. The locality represents an extension of habitat for *L. palavanensis* from submontane to the montane zone. The specimen (HEP00913) was deposited in BORNEENSIS, the Bornean reference collection of the Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah. On the same night, another *L. palavanensis* was also sampled at Geludu Hill at an altitude higher than 1300 m asl (HEP00912: SVL 37 mm, mass 5.1 g, 1478 m elev.).

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