

Life stages of the Malayan giant frog on Bukit Gombak

Subjects: Malayan giant frog, *Limnonectes blythii* (Anura:Dicroglossidae).

Subjects identified by: Contributor.

Location, date and time: Singapore island, Bukit Gombak; 17 April 2014; around 2000 hrs.

Habitat: Small rocky hill stream in secondary forest and abandoned village gardens.

Observer: Contributor.

Observation: A partially submerged clutch of gelatinous eggs (Fig. 1), believed to be of *Limnonectes blythii* and at least two tadpoles (Fig. 2) were found in the stream. Also observed were a newly metamorphosed froglet (Fig. 3), a sub-adult (Fig. 4), and at least one large adult (Fig. 5). Mosquitoes were seen biting the larger frogs.

Remarks: The presence of examples representing the main developmental stages seems to indicate a thriving population of the Malayan giant frog at Bukit Gombak. This species was first recorded from the Bukit Gombak area in another stream (Lim, 2013).

Reference: Lim, K. K. P., 2013. Malayan giant frog at Bukit Gombak. *Singapore Biodiversity Records*. 2013: 112.



Fig. 1. Clutch of eggs (each about 5 mm diameter) partially submerged in water.



Fig. 2. Two tadpoles on the substrate, each around 3 cm total length.

Photographs by Tan Heok Hui



Fig. 3. Newly metamorphosed froglet of about 1 cm snout-vent length.



Fig. 4. Sub-adult frog of around 6 cm snout-vent length. Note mosquito on the left hind limb.



Fig. 5. Adult frog of about 13 cm snout-vent length. Note feeding mosquitoes on the arm, edge of the tympanum and side of the body.

Photographs by Tan Heok Hui

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