

Recent amphibians and reptiles observed at Bako National Park, Sarawak, Borneo

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Photographs by: Yang Jian-Huan, Bosco Chan, Xi Zheng, Li Fei.

Subjects identified by: Yang Jian-Huan.

Location: Bako National Park, Sarawak, East Malaysia, Borneo.

Elevation: 15-20 metres

Habitat: Mangrove, lowland dipterocarp forest.

Date and time: 08 July 2018, 16:00 hrs to 09 July 2018, 11:00 hrs.

Identity of subjects and descriptions of records:

- 1) Lowland Dwarf Toad (Short-legged Dwarf Toad), *Pelophryne signata* (Amphibia: Anura: Bufonidae), one young individual seen perching on a leaf along a forest trail (Fig. 1).
- 2) Lesser Swamp Frog (Masked Frog), *Limnonectes paramacrodon* (Amphibia: Anura: Dicroglossidae), one juvenile seen on the forest floor along a forest trail (Fig. 2).
- 3) White-lipped Frog (Copper-cheeked Frog), *Chalcorana raniceps* (Amphibia: Anura: Ranidae), one seen perching on a leaf along a forest trail (Fig. 3).
- 4) Brown Marsh Frog, *Pulchrana baramica* (Amphibia: Anura: Ranidae), one seen on the forest floor along a forest trail (Fig. 4).
- 5) Collett's Tree Frog, *Polypedates colletti* (Amphibia: Anura: Rhacophoridae), one seen perching on a leaf along a forest trail (Fig. 5).
- 6) Bornean Sticky Frog, *Kalophrynus meizon* (Amphibia: Anura: Microhylidae), one seen on the forest floor at the forest trail during the day, 09 July 11:05 hrs (Fig. 6).
- 7) Kendall's Rock Gecko, *Cnemaspis kendallii* (Reptilia: Squamata: Gekkonidae), one seen climbing on a tree trunk next to a forest trail (Fig. 7).
- 8) Grooved Bent-toed Gecko, *Cyrtodactylus pubisulcus* (Reptilia: Squamata: Gekkonidae), one seen on a tree trunk next to a forest trail (Fig. 8).
- 9) Peters' Bent-toed Gecko, *Cyrtodactylus consobrinus* (Reptilia: Squamata: Gekkonidae), one young individual and one large adult were seen on a tree trunk and on the ground respectively (Fig. 9).
- 10) Malayan Water Monitor, *Varanus salvator* (Reptilia: Squamata: Varanidae), one seen in mangrove habitat close to the headquarters (Fig. 10).
- 11) Mangrove Skink, *Emoia atrocostata* (Reptilia: Squamata: Scincidae), one seen in mangrove habitat close to the headquarters (Fig. 11).
- 12) Many-lined Sun Skink, *Eutropis multifasciata* (Reptilia: Squamata: Scincidae), occasionally seen along sunlit forest trails (Fig. 12).
- 13) Brooke's Water Skink, *Tropidophorus brookei* (Reptilia: Squamata: Scincidae), one seen in a small stream in the forest (Fig. 13).
- 14) Bornean Keeled Pit Viper, *Tropidolaemus subannulatus* (Reptilia: Squamata: Viperidae), Three individuals were found perching on shrubs at the forest edge near the lodge during the day. Photos illustrate a male or juvenile (Fig. 14a) and a female (Fig. 14b).

Remarks: A total of 14 species of amphibian and reptile were documented during this one-day visit, comprising 6 frogs and toads, 3 geckos, 1 varanid, 3 skinks and 1 snake. Species were identified by comparison of images with Pui et al (2017): scientific nomenclature follows the same publication.



Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.



Fig. 10.



Fig. 11.



Fig. 12.



Fig. 13.



Fig. 14a.



Fig. 14b.

Images 1-2, 5-9, 12, 14a, 14b © Yang Jian-Huan
Images 3, 13 © Bosco Chan
Images 10-11 © Xi Zheng
Image 4 © Li Fei

Reference:

Yong Min Pui, Ramlah Zainudin, Taha bin Wahab, Kelvin Kok Peng Lim, Sabariman bin Hassan & Indraneil Das. (2017). *A Field Guide to the Amphibians and Reptiles of Bako National Park. Second Edition.* Sarawak Forestry Corporation, Kuching. 75 pp.