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This juvenile Indochinese box turtle (*Cuora galbinifrons*) was found under a large tree in primary forest of Phong Nha – Ke Bang National Park after a heavy rain during time-searched survey. Photo by: Nguyen Tai Thang – ATP/IMC.

Phong Nha – Ke Bang National Park field survey - Vietnam

Phong Nha – Ke Bang National Park (PNKB) was designated as a Unesco World Heritage site in 2003 and is well recognised for its geological value, being limestone karst as well as its high level of biodiversity and endemism. Located in Bo Trach and Minh Hoa districts, of Quang Binh province, with an area of 123,326 hectares, and is one of the oldest karst mountains in Asia, formed approximately 400 million years ago.

In 2015, an interview survey to collect information on distribution and trade of tortoise and freshwater turtle species of Quang Binh province was implemented by Asian Turtle Program (ATP) of Indo-Myanmar Conservation (IMC). During that initial survey, some records of two critically endangered box turtles (i.e. *Cuora galbinifrons* and *Cuora bourreti*) were observed in local household around PNKB. In addition, Quang Binh is a province of interest as it is likely area of integration between two sub-species of the Keeled box turtle (*Cuora mouhotii obsti*) in the south and *Cuora mouhotii mouhotii* in the north, and possibly the intergrade of two closely related species, with Bourrets Box Turtle (*Cuora bourreti*) in the south and the Indochinese Box Turtle (*Cuora galbinifrons*) in the north.

With a focus on confirm these endangered, highly threatened turtles' in the wild, with a focus on the intergrades of the populations in Quang Binh province a field survey was undertaken in March 2017 by the ATP. The survey was carried out over eight in Phong Nha – Ke Bang National Park with more than 50 species of herpetofauna recorded. The team found one juvenile critically endangered Indochinese box turtle (*Cuora galbinifrons*). Furthermore, the Smooth Skin Gecko (*Gekko scientiadventura*), Phong Nha-Ke Bang Ben-Toe Gekko (*Cyrtodactylus phongnhakebangensis*), and Nogi's Skink (*Tropidophorus noggei*) were also observed and recorded, these three species are all endemic to karst habitat in Phong Nha-Ke Bang National Park. Unfortunately, the Keeled box turtle was not confirmed in this survey.

Regarding forest protection, our field team was pleased to experienced one of the most well protected forests they have visited so far, illegal logging and hunting strictly prohibited in Phong Nha – Ke Bang. We would like to thank VNFOREST, Phong Nha – Ke Bang National Park for their assistance with the required paper work and support for this survey.

Thank you also to Mr. Bui Ngoc Thanh, and Nguyen Van Duong, PNKB NP officers, and four local guides who worked hard on the survey. We would also like to thank Cleveland Metroparks Zoo for supporting this field survey.



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A quick lunch break on the mission.

Photo by: Nguyen Tai Thang – ATP/IMC.



Nogi's Skink (*Tropidophorus nogei*), an endemic water skink of PNKB, only found in rock crevices in the karst forest.

Photo by: Nguyen Thanh Luan – ATP/IMC.



Phong Nha-Ke Bang Ben-Toe Gecko (*Cyrtodactylus phongnhakebangensis*), a gecko species, native to Phong Nha – Ke Bang National Park. This species was discovered and described by a group of three German scientists and a Vietnamese scientist in 2002.

Photo by: Nguyen Thanh Luan – ATP/IMC.



Rosler's Ben-Toe Gekko (*Cyrtodactylus roesleri*), a third new *Cyrtodactylus* (Squamata: Gekkonidae) from Phong Nha-Ke Bang National Park, described in 2010.

Photo by: Nguyen Thanh Luan – ATP/IMC.