

**The Sarawak Museum Journal****Vol. XXXVII No. 58****December 1987****ISSN: 0375-3050****E-ISSN: 3036-0188**

Citation: Churchill, Sue & Zborowski, P. (1987). Bat Survey of Bako National Park, Sarawak. The Sarawak Museum Journal, XXXVII (58): 171-180

BAT SURVEY OF BAKO NATIONAL PARK, SARAWAK**Sue Churchill & Paul Zborowski****INTRODUCTION**

This study was carried out to determine the number of species of bats and their general habitat preferences in Bako National Park. Over a period of 16 days, using both mist nets and a bat trap, five different habitat types were surveyed. These were rainforest, beach forest, mangrove forest, kerangas pole forest and kerangas scrub.

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by

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INTRODUCTION

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METHODS

The study was carried out over 16 days, from the 9th to the 24th of September 1985. During this period a total of 13 sites were surveyed using a portable bat trap (Tidemann and Woodside 1978) and 3 mistnets. Sites were selected in five different habitats and one transition zone. The area was searched for caves and mines during the day and inquiries were made regarding the locality of flying fox (*Pteropus vampyrus*) roost camps. Habitat types and survey techniques used are shown in Fig. 3.

All individuals caught were identified using the key from Medway (1978) and full body measurements were taken (see Fig. 2.). The numbers of bats caught at each site were recorded and included in the table showing habitat distribution (Fig. 1).

Specimens of each species were taken for a reference collection and to confirm the species identification.

RESULTS AND DISCUSSION

During this survey 101 bats of 15 species were caught (see species list, Fig. 4). Of these, 8 species occurred in rainforest, 5 in mangrove/rainforest edge, 5 in beach forest, 3 in mangrove forest, 4 in kerangas pole forest and 2 in kerangas scrub.

This survey has increased the known number of bats from Bako National Park, from 15 to 21 species.

During the 15 nights spent at Bako, 8 nights were spent in rainforest, 2 in beach forest, 2 in rainforest/mangrove edge, 2 in mangroves, 1 in kerangas pole forest and 1 in kerangas scrub (Fig. 3).