









This particularity makes the area almost Ihis particularity makes the area almost unique among other protected areas in Sabah - and this is immediately apparent to visitors, both in the number of wild animal sightings and in the sheer scope of its water-soaked, luxuriant rainforest. Danum Valley covers an area of 438 square kilometres and is currently managed by the Yayasan Sabah Foundation, created in 1966 for conservation, research, education and conservation, research, education and physical training purposes.



Undetected, a mosquito is sucking blood from an unsuspecting White-lipped frog Rana chalconota, sitting in ambush and waiting for some insect prey to pass by.

## Stealthily preying on the unsuspecting predator...The life cycle goes on







Hanging from a leaf by a forest trail, a colorful Tiger leech Haemadipsa picta wait for its prey to pass by. If needed, leeches can survive on one single feeding a year. Above, a giant scorpion Heterometrus spinifer, a large, nocturnal predator of the forest floor.

The nearest town, Lahad Datu – a quiet, smallish provincial settlement situated at the crossroads between Sandakan and Tawau and which can be easily reached by car or twinengine turboprop flight from both centers - is about 82 kms away (about two hours' journey by four-wheel drive vehicles on corduroy, unpaved roads in good weather, which may become a much longer, Camel Trophy-style slog in deep mud if it has been raining). Given its formidable isolation and impenetrable rainforest cover, accomodation in the area is presently

limited to two basic choices: the Danum Valley Field Centre is a research establishment reserved for scientists and education purposes only, while the rather splendid (and understandably quite expensive) Borneo Rainforest Lodge has been created - with conservation and lowenvironmental impact in mind - for tourists to stay. From its beautiful, well-appointed bungalows visitors can take long, guided walks through lowland rainforest trails and on long, well-maintained suspended canopy walkways.







Left, a Lantern
bug (probably
Pyrops sp., family
Fulgoridae)
perches on
a tree trunk,
while, above,
a minuscule
Planthopper (fam.
Cicadellidae) sits
on a leaf. Equally
colorful, both
species feed on
plant saps and
are somewhat
related to
common cicadas.

Other activities include night walks (serious wildlife photographers should not miss these) and night drives (avoid these instead at all costs since the lorries used for the purpose are crowded, noisy and not really suited to the local environment – rainforests are made for walking).

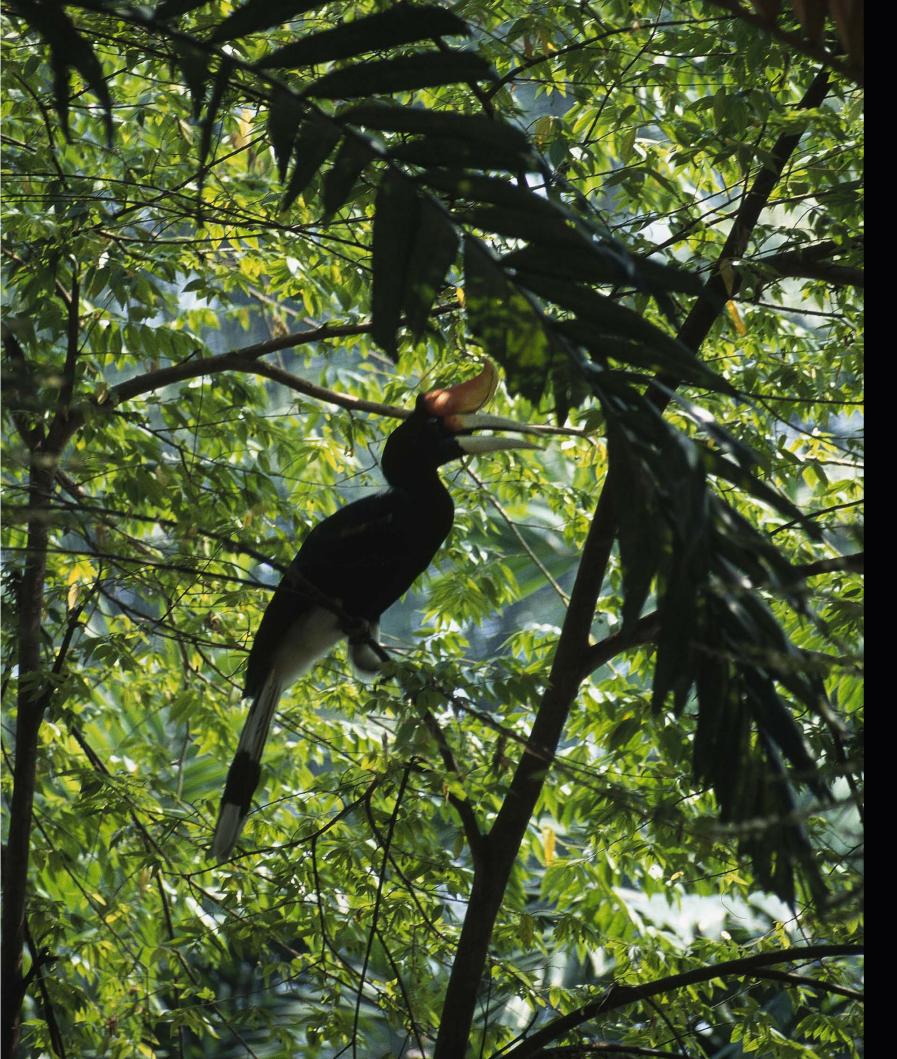
## FAUNA AND FLORA WITH FEW EQUALS

The biodiversity shown by the area is absolutely stunning. Danum Valley is a well-known destination for passionate birdwatchers worldwide, but its

undisturbed, virgin and forbidding lowland rainforest environment - structured in a complex, puzzling, endless maze of microhabitats - is home to an enormous number of other animal species, including several large mammals, many beautiful reptiles and amphibians and countless numbers of exceptionally attractive insects.

Mammals regularly sighted in Danum include wild Orangutans, gibbons, leaf monkeys, long-tailed and pig-tail macaques, wild bearded pigs, mouse deer and sambar deer - lucky visitors may also occasionally encounter several species of wild cats (including







Left, a male Rhinoceros Hornbill Buceros rhinoceros - a spectacular and large bird which can weigh 3 kgs and reach a length of 130 cms. A very wary species, it can usually only be photographed from a great distance. Above, the colorful inflorescences of a wild banana, Musa sp.



the dream date of South-East Asian rainforests, the strikingly beautiful and incredibly elusive Clouded Leopard), Bornean Pygmy elephants - which however are much more easily observed along the Kinabatangan river basin in the Sukau area - and even Malay Sun bears or Sumatran rhinos (the latter, given their scarcity, being exceptionally uncommon). Birds commonly observed along the forest trails or near the Lodge number several species of Hornbills (including Rhinoceros and Helmeted), colorful bee-eaters and kingfishers, warblers, several species of forest raptors and many others, while among the

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The delicate, abstract curling of a forest leaf and a vividly red Dragonfly - belonging to an unidentified species - perching on a wild banana leaf by a muddy stream. Abstract shapes in which function always meets form







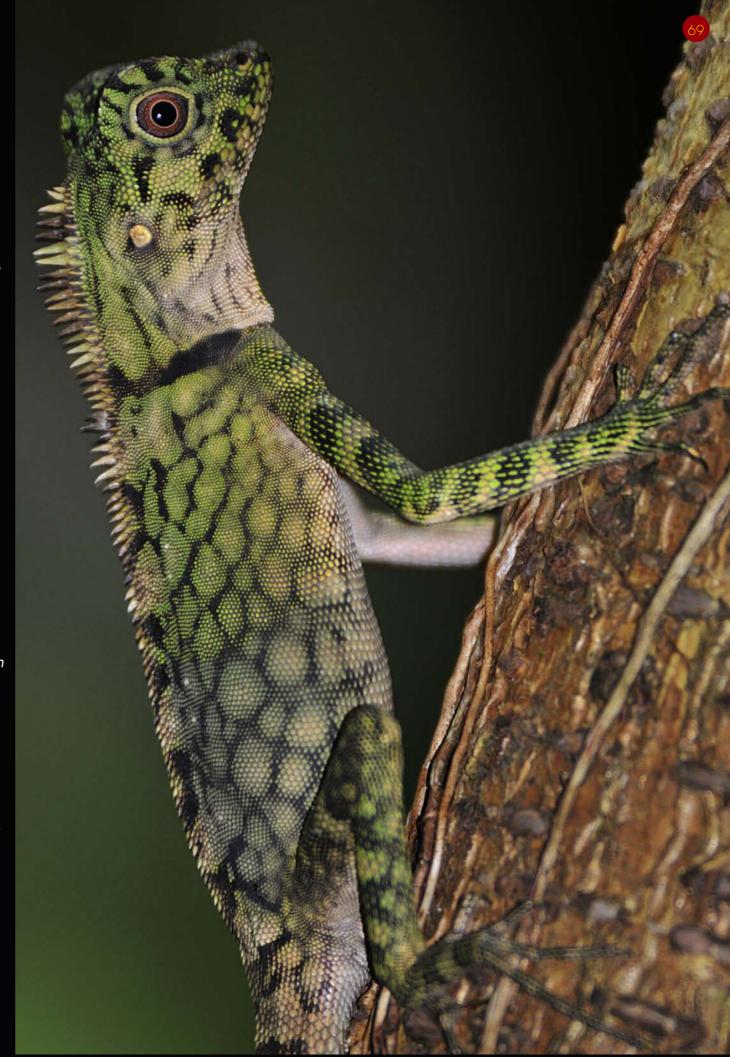








A dazzling variety of life forms inhabits the primeval rainforest of Danum Valley. Colorful, common examples are the tiny Orange cup mushrooms (left), several species of minuscule but often quite showy Salticid Jumping spiders (a specimen is guarding its egg clutch laid on the lower face of a leaf, bottom) and the striking, ubiquitous Borneo Forest Dragon or Anglehead lizard Gonocephalus borneensis (a female on its tree parch on its tree perch, right). The latter are very territorial and can be approached quite closely if one moves slowly, cautiously and avoiding unnecessary vibration. All individuals share a common reticulated pattern, but color variations - depending on age, sex and mood - can be delightfully dramatic.















Rainforest environments - and environments - and
Danum's in particular are the empire of the
weird, the colorful
and the grotesque.
Clockwise: a
technicolored technicolored grasshopper, a beautifully patterned Lynx spider, the monstruosly large and ferociously spiked Jungle nymph or Giant spiny Stick insect Heteropteryx dilatata (one of the world's largest insects) and a Keith Haring-esque "dance of the nymphs" - in fact a group of minute, brightly colored, newly-hatched Shield bugs, literally holding hands by their now empty egg capsules.







If you get bitten by one you will feel no pain - maybe just a little itching later on - but you will certainly bleed freely and massively for quite a few hours, as their saliva contains both an efficient anesthetic and a powerful anticoagulant.

anticoagulant.
The blood's staining and apparently unstoppable trickling can look very scary to the uninitiated, but it's no big deal really – after a long tiring day's trekking in the rainforest you would have to thoroughly wash yourself and your soiled clothes anyway!















On the good side, Danum Valley is almost completely (and rather surprisingly) mosquito-free, and that is really important since most serious tropical diseases - such as malaria or dengue - are transmitted via the bite of these obnoxious little winged pests.

## A UNIQUELY IMPRESSIVE ENVIRONMENT

Despite our lifelong experience in rainforests exploration and photography worldwide, we could not help being deeply impressed and in fact even awed by the beauty, richness and sheer











creatures from the stifling, wet nights of Danum's rainforest. Clockwise, a tiny unidentified toad, a garishly-hued millipede, a nightmarish portrait in extreme close-up of a large Giant Crab spider Heteropoda sp., and finally a large Wolf (or possibly Huntsman) spider female carrying her egg-sack in her pedipalps. Many impressive spider species are well represented in the area, often making excellent photographic subjects.



Red leaf monkey
Presbytis rubicunda
(left) come in fact in a variety of hues
- from pale grey
to honey to Titian
red - and can
be occasionally
observed in the very early morning, just before dawn. Like most arboreal primates, they live in well-structured groups and are generally very shy this, plus their choice of habitats and the very low light levels of the forest canopy, makes photographing them a rather difficult proposition.
Right, a curiously
X-Files-ish climbing
root slowly
and implacably
applies its
strangling grip
on the tree host.
Notice how wet the bark
is - Danum's air
is literally dripping
with moisture.















serious amateurs are simply endless. We have spent a whole week at the Borneo Rainforest Lodge, and despite going daily on long, arduous treks we feel we have barely scratched the surface - every few steps along the forest trails a new fascinating subject would be sighted, and during night walks lasting over three hours it would not be uncommon for us to cover only a few hundred meters due to the number of subjects encountered. Thanks to its own very specific nature, the Danum Valley environment offers a unique chance to the careful observer - the possibility not only to encounter otherwise shy rainforest species, but also to pause at length and leisure and watch them actually feed, hunt and mate. This is a rare and precious gift, and the untouched wilderness of Danum Valley offers it generously to those willing to listen to the sounds of the rainforest and put their eyesight to good use.



Megophrys nasuta offers an amazing example of its leaf-mimicking camouflage as its sits undetected among the forest litter.