



# WELCOME TO PENANG HILL (PHBR) BIOSPHERE RESERVE

## INFORMATION LEAFLET

**(PHBR)** has been officially designated as a Biosphere Reserve under the UNESCO Man and Biosphere Programme on **15 September 2021**, thanks to the effort from multiple stakeholders such as:-

- Perbadanan Bukit Bendera
- Universiti Sains Malaysia (USM)
- Majlis Bandaraya Pulau Pinang (MBPP)
- Jabatan Taman Botani Pulau Pinang
- Jabatan Perhutanan Pulau Pinang
- Taman Negara Pulau Pinang (TNPP)
- Jabatan Perikanan Pulau Pinang
- Perbadanan Bekalan Air Pulau Pinang (PBAPP)
- The Habitat Foundation (THF)
- The Habitat Penang Hill (THPH)
- and many more

Endemic and endangered fauna from this area include marine species such as sea turtles and the Irrawaddy dolphin.

On land, some of the important terrestrial species are the pangolin, slow loris, and the endemic Penang Island rock gecko and Penang Hill Vampire Crab.

### GET READY TO BE WOWED BY THE MAGNIFICENT PHBR!

**FUN FACTS OF (PHBR)**

- The area of (PHBR) covers about **12,481 Ha of Natural Wonder!**
  - 5,196 Ha in Marine Zone
  - 7,285 Ha on Land
- Consists of Natural Habitats with high species richness & diversity
- More than **550 Animal Species**
- 4 Listed Critically Endangered** (CR) where **20 species** are on **RED LIST**
- from **206 families**
- 2456 plant species**

## PENANG HILL BIOSPHERE RESERVE

### PHBR INFO LEAFLET



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### SMALL ACTIONS BIG IMPACT

Our nature sanctuaries harbor a variety of animal and plant species. Please follow the guidelines below to enhance your visit and support the wellbeing of the animals.

- 01 Appreciate nature Quietly
- 02 Photograph animals in their Habitats
- 03 Admire wildlife from afar
- 04 Be Cautious to protect wildlife in their habitats.
- 05 Use reef-friendly sunscreen
- 06 Keep the environment Clean
- 07 Keep food safe in your bag

**KEEP CLEAN**

#### Hiking Trails

There are many unique hiking trails in Penang, providing hikers with different levels of difficulty.

Visitors could experience the sounds of the forest while walking through the flora and fauna of the tropical rainforest.



#### ECOTOURISM

Learn about PHBR, a premier ecotourism destination due to its scientific value.

Ecotourism at PHBR includes visiting century-old farms, aquaculture sites, and/or the Turtle Conservation Centre.



#### AGRICULTURE

A small agricultural community in Penang Hill has been providing essential fruits and vegetables to the region for generations.

Within the biosphere reserve, 112.3 hectares are designated for agricultural use, cultivating produce for both local consumption and tourism.

#### PHBR ROLES

(PHBR) plays a vital role within local communities. It not only acts as a green lung and supports the sustenance of the community but also supports generation of farming communities by providing essential fruits and vegetables for Penang.

It also hosts Teluk Bahang's fishing community by sustaining their livelihood through traditional fishing and tourism.

#### CONSERVATION & EDUCATION

Children to professional conservationists alike learn about nature through PHBR. Humans and animals' co-habitat through animal bridge crossings. The Habitat and the Turtle Conservation Centre educates the community about nature and conservation.

#### FISHERIES

Penang is the second largest aquaculture producer in Malaysia.

**DID YOU KNOW?**

The monthly gross income of each fisherman is around RM1,909.50. They range from RM500 to RM9000.

Fishermen near PHBR supplement their income by working in the tourism sector as guides and boat operators.





# THE GATEWAYS OF PHBR

## A TAMAN RIMBA TELUK BAHANG

Nestled close to Penang National Park and the Entopia Butterfly Farm, this park is an ideal starting point for exploring Penang's natural wonders. Taman Rimba Teluk Bahang is home to various species of birds, insects, and small mammals, making it a great spot for nature enthusiasts and birdwatchers.

Visitors can enjoy picnic areas and camping spots, as well as an educational interpretation center to learn about the park's ecology and conservation efforts.

spanning over **2563 Hectars**, the park is overseen by **Jabatan Perhilitan**

It features diverse habitats, including beaches like Teluk Duyung (Monkey Beach), Pantai Kerachut, and Teluk Kampi. It also has Malaysia's only meromictic lake. Visitors can enjoy attractions like the Muka Head Lighthouse and the Turtle Conservation Centre.

The park is **home to wildlife** such as smooth-coated otters, Irrawaddy dolphins, White Bellied Sea Eagles, wild boars, and reticulated pythons, with **over 1,000 plant species**.

## B PENANG NATIONAL PARK

## C TELUK BAHANG DAM

Completed in **1999**, Located in the northwestern part of Penang Island, is the largest permanent body of freshwater on Penang Island and serves as a crucial water reservoir.



It plays a key role in Penang's water management system, helping to mitigate the impact of droughts and ensure water availability for both residential and industrial use.

The dam strategically collects rainwater from the surrounding hills, allowing for efficient storage and distribution. It is also a popular recreational site, attracting visitors with its scenic views and tranquil surroundings.

*Penang International Dragon Boat Festival* is also hosted here annually.

### DID YOU KNOW?

The Teluk Bahang Dam & The Air Itam Dam provide water to **200,000 people** on Penang Island yearly



### LEGENDS

#### TOURISM SPOTS

- 01 Entopia by Penang Butterfly Farm
- 02 ESCAPE Penang
- 03 Teluk Bahang Fisherman Village
- 04 Muka Head Lighthouse
- 05 Bukit Bendera
- 06 Kek Lok Si Temple
- 07 Tropical Fruit Farm

#### HIKING SPOTS

- 01 Mount Elvira (695m)
- 02 Tiger Hill (800m)
- 03 Laksamana Hill (735m)
- 04 Western Hill (833m)
- 05 Campedak Hill (492m)
- 06 Telaga Batu Hill (335m)

#### BEACH SPOTS

- 01 Teluk Kampi
- 02 Pantai Kerachut
- 03 Monkey Beach
- 04 Batu Ferringhi Beach
- 05 Pantai Acheh

#### WATERFALL SPOTS

- 01 Penang Botanic Garden Waterfall
- 02 Titi Kerawang Waterfall
- 03 Chin Farm Waterfall
- 04 Teruna Dara Waterfall

#### BOUNDARIES

- 01 Inland
- 02 Marine

## D THE HABITAT PENANG HILL

The Rainforest of Habitat Penang Hill features :-

A **1.6KM** Nature Trail

**Curtis Crest Tree Top Walk** is the highest accessible viewing platform in Penang Island.

**Langur Way Canopy Walk** is the longest double span stressed ribbon bridge in the world (230m).

The Habitat Penang Hill has pledged that all profits generated by the park will be channeled to The Habitat Foundation, to support the work of a not-for-profit enterprise focusing on conservation science, environmental education and sustainable tourism.



Established in **1884's**,

## E PENANG BOTANIC GARDENS

is also known as "Waterfall Garden" which covers about **29 Hectars**

The former quarry site is surrounded by tropical rainforests and features British colonial heritage.

Designed under the supervision of Charles Curtis, it houses diverse plant species, serving as a tourist attraction, green space, conservation centre and botanical study site with historical significance.



Established in **1789**,

## F PENANG HILL

Stands at 735m (2,450 ft) above sea level, providing a nature gateway to international and local visitors. It is the oldest hill resort in Southeast Asia, featuring 52 colonial-era bungalows. The recently restored Edgecliff bungalow serves as a gallery highlighting the area's geology, history, and biodiversity.

### DID YOU KNOW?

**Penang Hill Funicular Railway** is the longest funicular track in Asia, the First Funicular Train on the Slope and the Longest Single Coach.

Access the Hill via:

- Penang Hill Funicular Railway
- Penang Hill Jeep Service (via Penang Botanic Garden)
- Trails (via Penang Botanic Gardens)



Built in the **1960's**,

## G AIR ITAM DAM

Offers a breathtaking views of the surrounding hills and the George Town skyline. Surrounded by lush greenery, The Dam provides a serene setting for outdoor activities cycling, jogging & nature walk.

The reservoir is also a magnet for photographers and bird enthusiasts. Additionally, it's a gateway to thrilling hiking trails leading up to Penang Hill, making it a paradise for the adventurous.

Nestled near the historic Air Itam town, it's close to cultural hotspots like the majestic Kek Lok Si Temple, a must-see gem in Southeast Asia.

### DID YOU KNOW?

**Air Itam Dam**, has a **2.6KM** circuit winds around the perimeter, including its **243.8M** crest.

