



---

# PENANG IN NUMBERS

---

## *Green Data*



✉ [info@pgc.com.my](mailto:info@pgc.com.my)

🌐 [www.pgc.com.my/penang-green-data](http://www.pgc.com.my/penang-green-data)

☎ 04-250 3322

📘 [pggreencouncil](https://www.facebook.com/pggreencouncil)

## PENANG IN NUMBERS – GREEN DATA

Green Data is a selected compilation of environmental conscious data series of Penang state that accommodates the Sustainable Development Goals that aims to act as a data reference that assisted Penang Green Council in the formulation process of the Penang Green Agenda 2030 and also made accessible for public use. The chosen 8 SDGs would be as below:

- **Goal 2 – Zero Hunger**
- **Goal 6 – Water**
- **Goal 7 – Energy**
- **Goal 11 – Sustainable Cities**

- **Goal 12 – Responsible Consumption and Production**
- **Goal 13 – Climate Action**
- **Goal 14 – Marine**
- **Goal 15 – Biodiversity.**

These data are collected from various sources; they will be updated from time to time for the use and view of general public as well as to serve as a reference for government departments, agencies, students and stakeholders for the development of Penang. We have identified 80 data sets for Penang so far that we think is useful for Penang to be a green and liveable city. Be reminded that, we will not confine the Sustainability Indicators of Penang within this 80 data, we will discover more relevant data in future and it will be updated again. Finally, we would like to convey our gratitude to all agencies that have contributed to this Green Data.

## **GOAL 15 – BIODIVERSITY**

### Description:

In the small size and urbanisation of Penang Island, a new species of scorpion was recently discovered in 2017 at the iconic Penang Hill. Forests are vital habitats for a huge range of wildlife and are also crucial for clean, fresh air as well as water. Preserving and restoring terrestrial ecosystems, halting deforestation and land degradation are important to reduce the loss of our precious natural heritage. Thus, it is all in our hand to protect it for us to live or to destroy it for us to die.

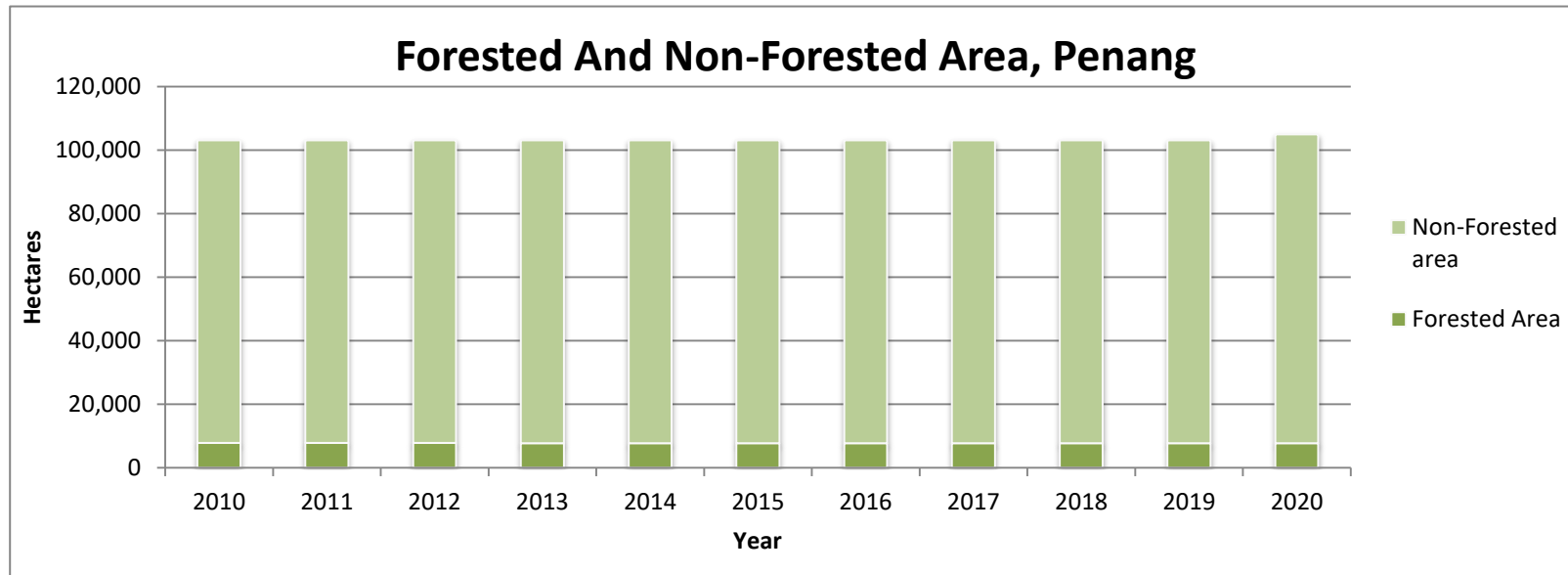
### List of indicators

- 1 Forested and Non-Forested Area, Penang 2010-2020
- 2 Permanent Reserved Forest (HSK), State land and Wildlife reserve, Penang 2010 - 2020
- 3 Area of Permanent Reserved Forest by Forest Types, Penang 2010-2018
- 4 Total of tourist arrival at Penang National Park as an ecotourism site, Penang 2010-2017

1 Forested and Non-Forested Area, Penang 2010-2020

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Forested area (hectares)	7,809	7,809	7,809	7,771	7,761	7,761	7,761	7,761	7,752	7,752	7,752
Non-Forested area (hectares)	95,295	95,295	95,291	95,329	95,339	95,339	95,339	95,343	95,352	95,352	97,155

I. Source: Malaysian Forestry Department Annual Report



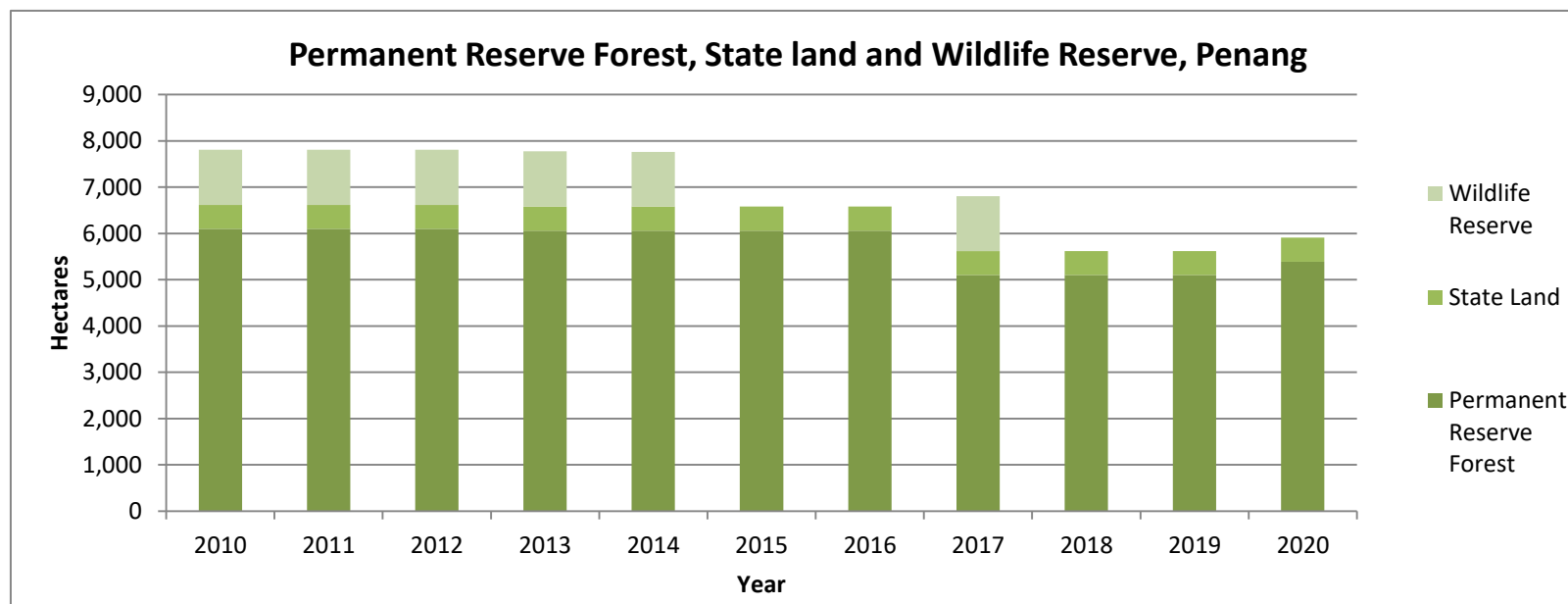
2 Permanent Reserved Forest (HSK), State land and Wildlife reserve, Penang 2010 – 2020

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Permanent Reserved Forest (hectares)	6,098	6,098	6,098	6060*	6,060	6,060	6,060	5,101	5,101	5,101	5,387
State land (hectares)	519	519	519	519	519	519	519	519	519	519	519
Wildlife Reserve (hectares)	1,192	1,192	1,192	1,192	1,182	NA	NA	1,182	NA	NA	NA

I. Source: Malaysian Forestry Department Annual Report

II. NA – Not Available

III. Note: \* There was a drop in the number of hectares in Permanent Reserved Forest because starting 2013, the forestry department had introduced GIS system to calculate the area compared to previous years using man power to calculate



## 3 Area of Permanent Reserved Forest by Forest Types, Penang 2010-2018

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
Inland Forest (hectares)	5,819	5,058	5,058	5,015	5,015	5,015	5,015	5,015	5,006
Peat Swamp Forest (hectares)	-	-	-	-	-	-	-	-	-
Mangrove Forest (hectares)	279	1,040	1,040	1,045	1,045	1,045	1,045	1,045	1,045
Forest Plantation (hectares)	-	-	-	-	-	-	-	-	-
Total Area (hectares)	6,098	6,098	6,098	6,060	6,060	6,060	6,060	6,060	6,051

## I. Source: Malaysian Forestry Department Annual Report

## 4 Total of tourist arrival at Penang National Park as an ecotourism site, Penang 2010-2017

Year	2010	2011	2012	2013	2014	2015	2016	2017
Number of tourist	86,664	88,370	108,276	115,195	125,834	148,587	147,840	157,232

## I. Source: Department of Wildlife and National Park Peninsular Malaysia Annual Report