PENANG IN NUMBERS
Green Data

PENANG IN NUMBERS – GREEN DATA

Green Data 2010-2016 is a selected compilation of environmental conscious data series of Penang state. It accommodates the 8 chosen Sustainable Development Goals that aims to act as data reference point to assist Penang Green Council in the formulation process of the Penang Green Agenda. 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 60 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 60 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.
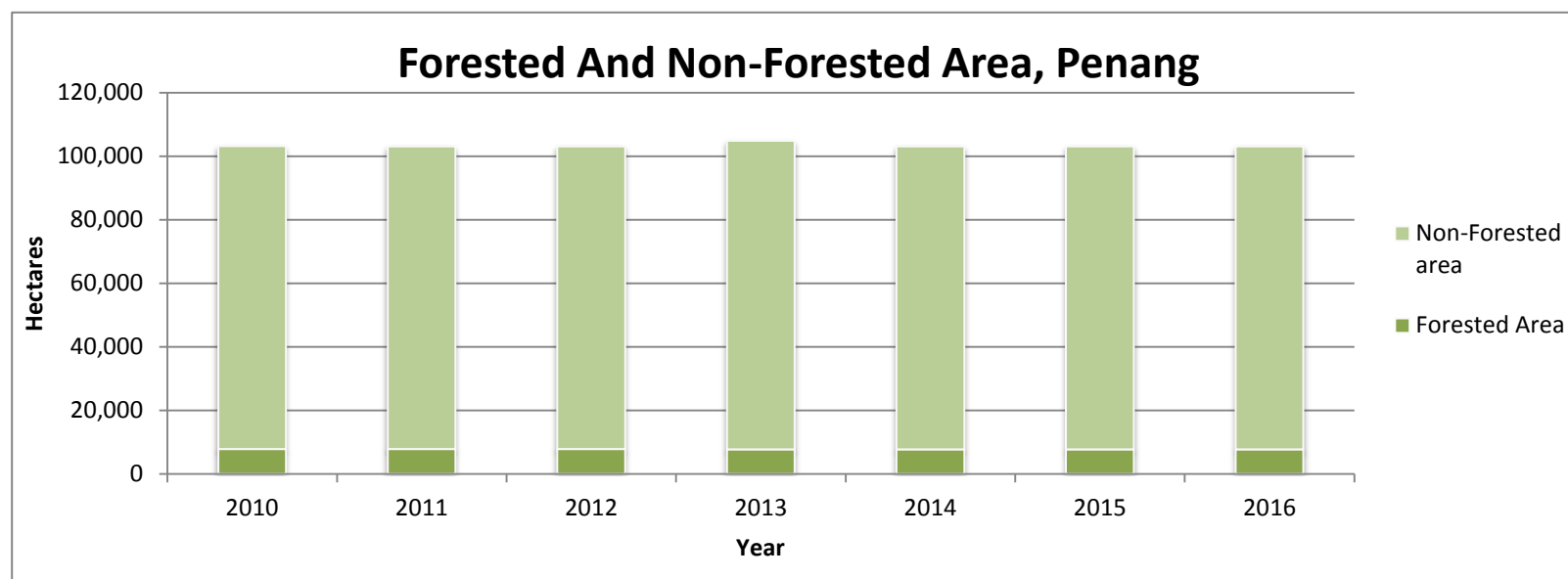
List of indicators

1 Forested and Non-Forested Area, Penang 2010-2016
2 Permanent Reserved Forest (HSK), State land and Wildlife reserve, Penang 2010 - 2016
3 Area of Permanent Reserved Forest by Forest Types, Penang 2010-2016
4 Total of tourist arrival at Penang National Park as an ecotourism site, Penang 2010-2015

1   Forested and Non-Forested Area, Penang 2010-2016

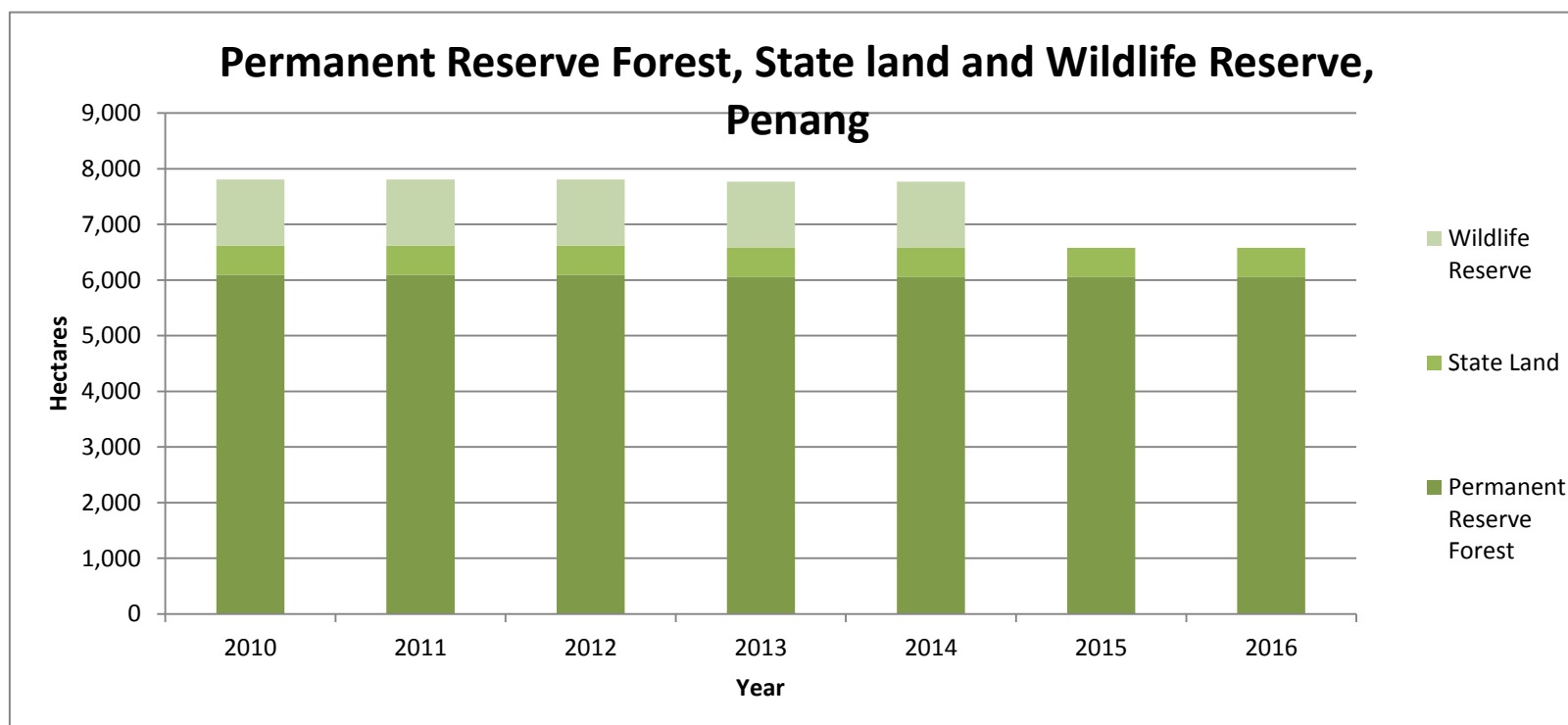| Year	2010	2011	2012	2013	2014	2015	2016
Forested area (hectares)	7,809	7,809	7,809	7,771	7,761	7,761	7,761
Non-Forested area (hectares)	95,341	95,295	95,291	97,029	95,339	95,339	95,339

I.   **Source: Department of Forestry, Penang**

2   Permanent Reserved Forest (HSK), State land and Wildlife reserve, Penang 2010 - 2016

Year	2010	2011	2012	2013	2014	2015	2016
Permanent Reserved Forest (hectares)	6,098	6,098	6,098*	6,060*	6,059	6,060	6,060
State land (hectares)	519	519	519	519	519	519	519
Wildlife Reserve (hectares)	1,192	1,192	1,192	1,192	1,192	NA	NA

I.   **Source: Department of Forestry, Penang**   II.   **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**

Permanent Reserve Forest, State land and Wildlife Reserve, Penang

3   Area of Permanent Reserved Forest by Forest Types, Penang 2010-2016

Year	2010	2011	2012	2013	2014	2015	2016
Inland Forest (hectares)	5,819	5,058	5,058	5,015	5,015	5,015	5,015
Peat Swamp Forest (hectares)	-	-	-	-	-	-	-
Mangrove Forest (hectares)	279	1,040	1,040	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

I.   Source: Jabatan Perhutanan Malaysia

4   Total of tourist arrival at Penang National Park as an ecotourism site, Penang 2010-2015

Year	2010	2011	2012	2013	2014	2015
Number of tourist	86,664	88,370	108,276	115,195	125,834	148,587

I.   Source: Jabatan PERHILITAN Malaysia