

PEAT SWAMP FOREST

Peatland forests, also known as peat swamp forests, are a unique wetland ecosystem where partially decomposed organic matter has accumulated over thousands of years under waterlogged conditions to form carbon-rich soil, or "peat". Peatland forests serve as a habitat for numerous flora and fauna including many threatened and endangered species.

In Peninsular Malaysia, there are approximately 714,156 hectares of peatlands. Selangor has the second largest peat swamp forested area with a total of 90,601 hectares of peat swamp forests gazetted as forest reserves. The North Selangor Peat Swamp Forest (NSPSF) is located in the northwestern part of Selangor that has global importance for its role in maintaining endangered and endemic species (biodiversity conservation) and as a huge carbon sink. NSPSF consists of Raja Musa Forest Reserve (35,656 hectares), Sungai Karang Forest Reserve (37,417 hectares), Bukit Belata (Extension) Forest Reserve (3,140 hectares) and Sungai Dusun Forest Reserve (5,091 hectares). Together, it covers an area slightly bigger than Singapore!



RAJA MUSA FOREST RESERVE (RMFR) REHABILITATION PROGRAMME

Peatland is the most important carbon store in the region, vital for climate regulation, rich in biodiversity and a source of livelihood for the local community. The main objective of the peat swamp rehabilitation is to enhance conservation and protection of the forest and reduce the greenhouse gas emissions as well as haze through prevention of peatland fires.

ANNUAL TREE PLANTING CAMPAIGN AT THE RAJA MUSA FOREST RESERVE

More than 25,000 volunteers have been mobilised by Global Environment Centre and Selangor State Forestry Department since 2008 for the tree planting campaign at the Raja Musa Forest Reserve. Through this activity, more than 300,000 seedlings have been planted in an area covering approximately 350 hectares. The objective of the tree planting activity at the Raja Musa Forest Reserve is to lessen the occurrence of haze caused by peat fires; reduce increase in temperature (global warming), and to reforest the degraded peatland forest.

GLOBAL ENVIRONMENT CENTRE – COMMUNITY SUSTAINABLE PEAT CENTRE (GEC-COSPEC)

GEC-CoSPeC aims to help the public especially the local community to understand intricate system of peat swamp forest and importance of protecting peatland for its priceless ecosystem and biodiversity as well as to mitigate the impacts of climate change. The centre marks another milestone in GEC's work in partnership with the Selangor State Forestry Department and HSBC Bank Malaysia Berhad to support expansion and implementation of policy and on-the-ground practices for peatland conservation and protection over the next decade. Administered by GEC, the centre will focus on identifying issues and priorities to conserve, protect and rehabilitate the North Selangor Peat Swamp Forest (NSPSF); promote and enhance awareness; understanding the importance of sustainable management of peatland ecosystem; supporting the livelihoods of rural communities and fire prevention, strengthen the Friends of North Selangor Peat Swamp Forest as a high impact mechanism for community participation to conserve natural resources in NSPSF and promoting ecotourism as an alternative source of livelihood.



FOR MORE INFORMATION:

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Global Environment Centre - Community Sustainable Peat Centre (GEC-CoSPeC)

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Web: www.gec.org.my
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If you are interested to participate, further information can be obtained from our website at www.gec.org.my or you can visit the campaign at facebook @sahabathutangambut.

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**PERSATUAN SAHABAT
HUTAN GAMBUT
SELANGOR UTARA (SHGSU)
FRIENDS OF NORTH SELANGOR
PEAT SWAMP FOREST
PPM-016-10-10082012**

COMMUNITY-BASED RAJA MUSA FOREST RESERVE REHABILITATION PROGRAMME

IN COOPERATION WITH:



PROJECT IMPLEMENTED BY:



Global Environment
Centre

ACCREDITED BY:



ABOUT SHGSU

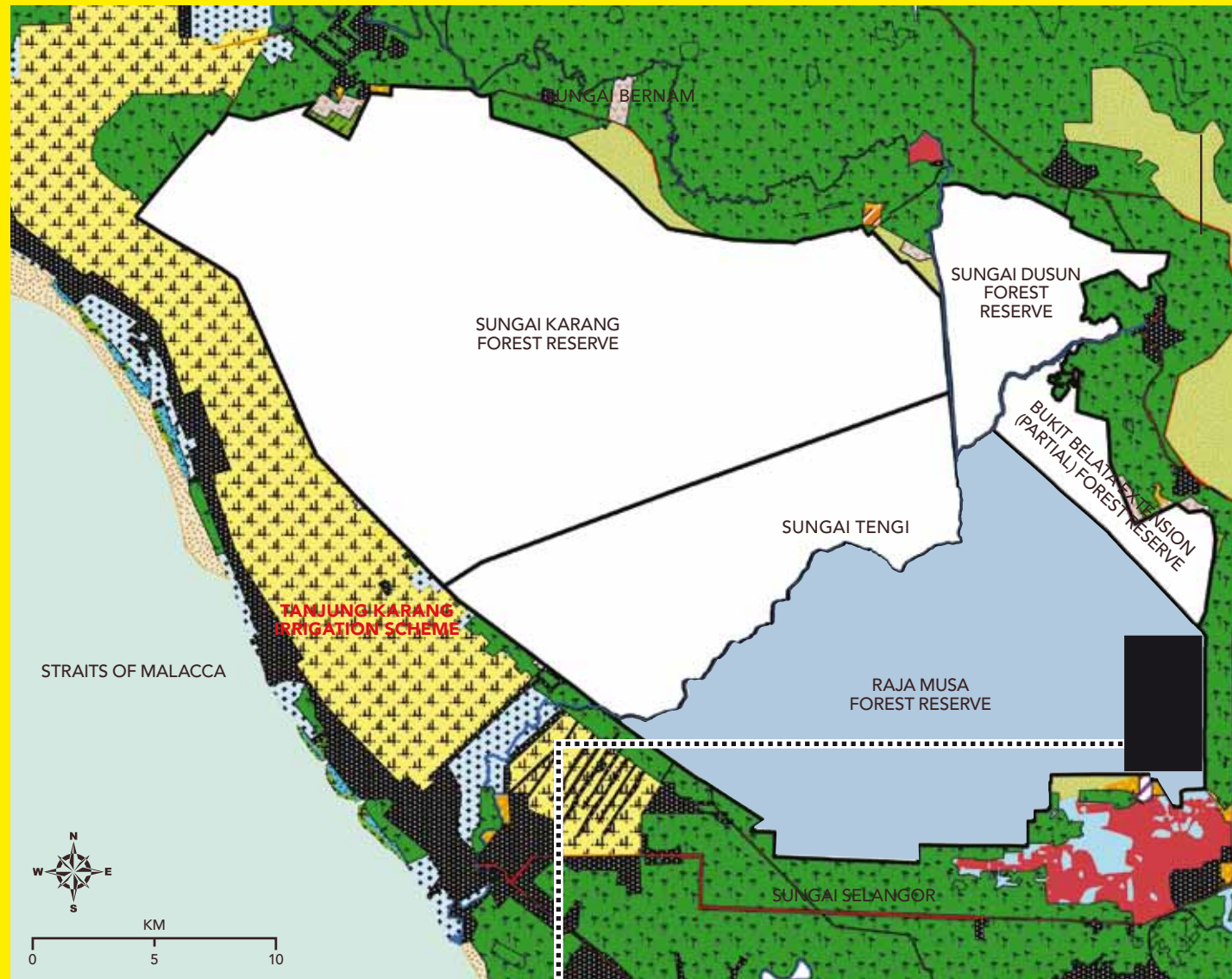
Friends of North Selangor Peat Swamp Forest (SHGSU) PPM-016-10-10082012 a group of individuals who are aware of and concerned about the degradation of peatland forests, understand the impact of peatland forest ecosystem degradation and proactive in the conservation of the peatland forests. SHGSU initiative was proposed by Yang Berbahagia Datuk Zul Mukhsar bin Md. Shaari, a member of the GEC Board of Directors and former Director General of The Forestry Department of Peninsular Malaysia (FDPM). SHGSU was established with the primary objective to strengthen collaborative efforts amongst the government, private sectors, NGOs and local communities to overcome issues related to peatland forests.

SHGSU OBJECTIVES

- To support the involvement of local communities in the rehabilitation of peatlands at the Raja Musa Forest Reserve; and
- To provide a framework for collaboration amongst government agencies, private sectors, NGOs and local communities in peatland forest management.

SHGSU ACTIVITIES

- Reforesting the peatland forest with suitable plant species; including establishing a nursery for peatland forest tree seedlings; and replanting of wild plant seedlings (wilding);
- Implementing environmental awareness and education programmes;
- Patrolling and monitoring of the Raja Musa Forest Reserve for illegal encroachment and prevention of peatland forest fires; and
- Organising trainings and workshops related to the protection and conservation of peatland forest.



LEGEND: LANDUSE

**GPS coordinate
(Forest
Compartment
99/100, Parit 6,
RMFR):**

N 03° 27'58.402"
E 101° 26'31.51"

RAJA MUSA FOREST RESERVE

The Raja Musa Forest Reserve in Selangor was selected to be part of the Queen's Commonwealth Canopy in Malaysia, and a pioneer site for the Peat Swamp Forest Rehabilitation and Conservation Project in Southeast Asia. The Raja Musa Forest Reserve (35,656 hectares site) is part of the second-largest contiguous peat swamp forest in Peninsular Malaysia. Peat swamp forests cover more than a third of the total permanent reserved forests in Selangor.