BORNION TIMBER SDN. BHD.

Road to sustainability: Realising optimum benefits from sustainable forest management

People’s Forest, Greater Life.
Sustainable Forest Management

SFM is aimed to address the depletion of forests in Sabah (especially during 70s & early 80s), to protect future timber resources in and to pursue good forest management.

SFM provisions includes:
• Controlled harvesting
• Reforestation
• Multi-use of forest lands
• Community development
Sustainable Forest Management License Agreement (SFMLA)

- SFMLA 03/97 signed on 10 September 1997.
- 100 years agreement (1997-2097).
- 98,985 ha of Secondary Dipterocarp (Class II) Forest Reserve.
- To manage forest sustainably by FMU concept.
- Bornion Timber is managing FMU 11.
Locality Map of FMU 11

Sabah, Malaysia

Legend
- FMU 11
- Base Camp
- Major Town
Forest Function Map

- **Industrial Tree Plantation**
  50,884 Ha (51%)

- **Natural Forest Management**
  29,723 Ha (30%)

- **Conservation**
  15,770 Ha (16%)

- **Community Forest**
  2,608 Ha (3%)

**Total:** 98,985 ha
Core Forest Activities

Forest Plantations

Natural Forest Management

Economy

Social

Environment

Community Forest

Conservation
Forest Certification

Natural Forest - 40,645.50 ha
Forest Plantation - 25,536.71 ha

- Malaysian Timber Certification Scheme (MTCS), endorsed by The Programme for the Endorsement of Forest Certification (PEFC).
- An assurance of responsible behaviour, good forest governance, trustworthiness in the management of forest.
- A mechanism to elevate the quality of SFM.
Forest Certification Audits - 2017-2019
Forest Acacia Plantation

1. Area – 900 ha
2. Planted in 2004
3. Estimated 150,000 m³ in 2019
Forest Rubber Plantation

• Developed in 2007 - Area of 25,000 ha
• Rubber as an economical timber crop for sustainable forest development.
• Secondary product – latex – plays an major role in community benefit
Investment of Forest Rubber Plantation

Target of planting – 1,500 - 2,000 ha / annum.

Intensive maintenance of rubber trees from year 1 until tapping years. Also planted with cover crop, *Macuna*. 
Investment of Forest Rubber Plantation

Recruitment of 100% local community rubber tappers.
Intensive training of 7-10 days.
Facilities – quarters with electricity and gravity water are provided. Also equipped with all safety measures i.e. fire extinguisher, first aid box based on forest certification requirements and sports facilities.
Forest Laran Plantation

- Started in 2017/18 - 10,000 ha
- Fast growing indigenous species, good value, great potential

In-house Nursery
Natural Forest Management

• 29,723 ha - sustained yield management system.
• 32 plots of PSP established to be measured annually.
• 30-year cutting cycle (>60cm tree diameter) – RIL method
• Annual Allowable Cut (AAC) of 25,808 m³
• Silviculture treatment
Conservation Development

• Bornion Rainforest Research - 688 ha
• Rich biodiversity – HCVF, RTE flora & fauna
• Trail for students, researchers and visitors
• Internal wildlife research
Wild durian species in conservation
Conservation: Nature & Wildlife Management

• In house nature & wildlife unit to do survey, monitoring and protection.
• Work together with Sabah Wildlife Department, WWF and NGO – HUTAN for training & joint operations of wildlife warden.
Community Forestry

- Community social responsibility is one of the main entity in managing the forest sustainably.
- The livelihood of the community must be preserved and maintained.
- Main activities in forest plantation, natural forest and conservation to be utilised to empower the community benefits.
Core Forest Activities

Diversification of forest use to benefit all, make a greater life out of everyone.

- CERT.
- CHANGES
- R&D
- INPUTS
Community Rubber Tappers

- 100% locals from the community area.
- In 2019 – about 500 tappers.
- Average income of rubber tapper is RM1,200-1,500 per month.
- Highest income could reach up to RM9,000 per month.
- Total wages paid to rubber tappers in 2018 are between RM5-6 million.

The best rubber tappers of Bornion.

- Suladi Sumping
  Kg. Wawasan, Sook
  Average income - RM 2,215/month
  Highest month record - RM9,207.59

- Rubin Sama’an
  Lagud Seberang, Tenom
  Average income - RM 2,174/month
  Highest month record - RM4,794.22

- Jerry Bawis
  Kg. Nandagan, Sook
  Average income - RM 1,906/month
  Highest month record - RM4,654.10

- Jerry Juanis
  Kg. Wawasan, Sook
  Average income - RM 1,778/month
  Highest month record - RM3,287.30

- Stephen Gisih
  Kg. Dumbun, Sook
  Average income - RM 2,117/month
  Highest month record - RM5,563.10
Community Rubber Tappers

Monthly incentives and annual award are given to the best performing rubber tappers
Community Forestry Handicraft Project – Bamboo Weaving

• Collaboration with Kg. Batu Lunguyan and Kraftangan Malaysia
• Highly demand bamboo weaving products - handbag, tote etc.
• To assist in organising training and solve raw material shortage.
Emily Jeneble, community handicraft entrepreneur

Visit of Datuk Anthony Lamb and Datin Anthea Phillips

Products of Bamboo Weaving Handicraft
Community Forestry – Rubber Planting

- Joint Forestry Management with Kg. Wawasan – 19 participants
- Pilot project for future development in community forestry compartment
- Genuine community CSR project to find win-win solutions for community
Tropical Fruit Orchard – Staff & community welfare development

• Nursery of rubber & laran seedlings, expanded to R&D of various trees seedlings.
• Durian, mangosteen, dragon fruit, pineapple, dokong, rambutan etc.
• 2004: 10 ha of fruit orchard developed - own employees & community consumption.
Durian – Community Agro-forestry

- D197 (Musang King), D200 (Black Thorn) and endemic local wild durian.
- 2017 – 40 ha of durian trees are planted as an agro-forestry trial plot to support nearby community in modern durian farming.
Community Forestry – Durian Planting Management

- Empowering the community in durian grafting and planting by providing training and consultation – popular clones and local Dalit species.
- A new source of income for the surrounding community.
Conservation: Eco-Tourism

• The landscape and natural resources of forest has enormous potential.
• Multi concept of eco-tourism can be developed into Nature, Wildlife and Culture.
• Boost the economical options from non-forest product and further create working opportunity for local community.
Night Safari

- Thomas’s Flying Squirrel
- Slow Loris
- Colugo
- Common Palm Civet
- Marbled Cat
- Small toothed Civet
Conservation: Education / Research

Rare/Threatened/Endangered/Endemic Species

Flat-Headed Cat
Helmeted Hornbill
Bornean Yellow Muntjac
Conservation: Wild Figs Planting

• Importance of figs to wildlife – ’70% of the animal life in the forest depends on them. They are a “keystone” species.’ - [www.nature-explored.com › fig-info](http://www.nature-explored.com › fig-info)

• Figs nursery in planning – to work with FRC Sabah and Borneoficus.info.

**Ficus aurata** - Consumed by birds & mammals

**Ficus dubia** - Consumed by Helmeted Hornbill

Binturong feeds on figs
Education & Research Centre

Forest Management

Wildlife Management

Sociology & Anthropology
Vision

People’s Forest, Greater Life.

There will be one day, when the way to manage the forest changes, where life will transform, benefit every human beings and become People’s Forest.
Thank you.  A Presentation of BORNION 2019