

# FORESTRY DEPARTMENT

Presented by: Okieve Kerr Date: December 8, 2022

### WHO WE ARE

The Forestry Department is the Executive Agency charged with managing and conserving Jamaica's forest resources, particularly those found on Crown Lands.

About 40 per cent or 439,000 hectares of Jamaica is forested and of that amount, the Agency manages 117,000 hectares. The remainder, almost 325,000 hectares are privately owned.

#### WHO WE ARE

VISION Jamaica: a country where we value our forest ecosystem and use its resources in a responsible manner

#### MISSION

Manage our forests in an effective and responsible manner for the benefit of current and future generations.

#### WHAT WE DO



#### Prepare forest management plans





**Conduct Scientific** assessments of Jamaica's forest resources

Promote agroforestry practices

#### WHAT WE DO

Conduct reforestation programmes on public and private lands



Provide recreation facilities

Manage plantations and natural forests



Provide forest extension services

**Engage in public education** 

#### WHO AM !?

Okieve Kerr Research Officer

Applied Forest Research branch

- Forest Science and Technology Division
- Forestry Department
- 173 Constant Spring Road
- Kingston 7

#### Informed Investment Calculated Yield





#### **Presentation aims**

Introduction into the investment possibilities of the Forest Sector

Introduction of Yield curve and its use in informing investment

### Conditions that support ideal Growth and Performance.

• Water availability

The planting site is to have adequate water availability to ensure the investments optimal growth over time, as lack of water can lead to stunted growth or even death of the plants.

- Nutrient availability
- Silvicultural practices

Such as strategic thinning exercises, healthy pruning and fertilizer regime



Swietenia macrophylla King: ecology, silviculture and productivity 9

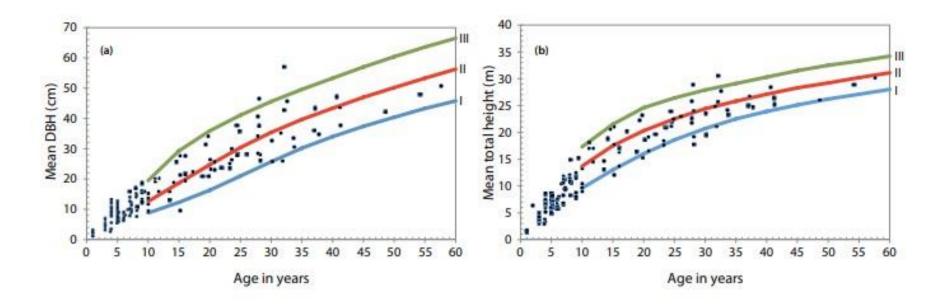
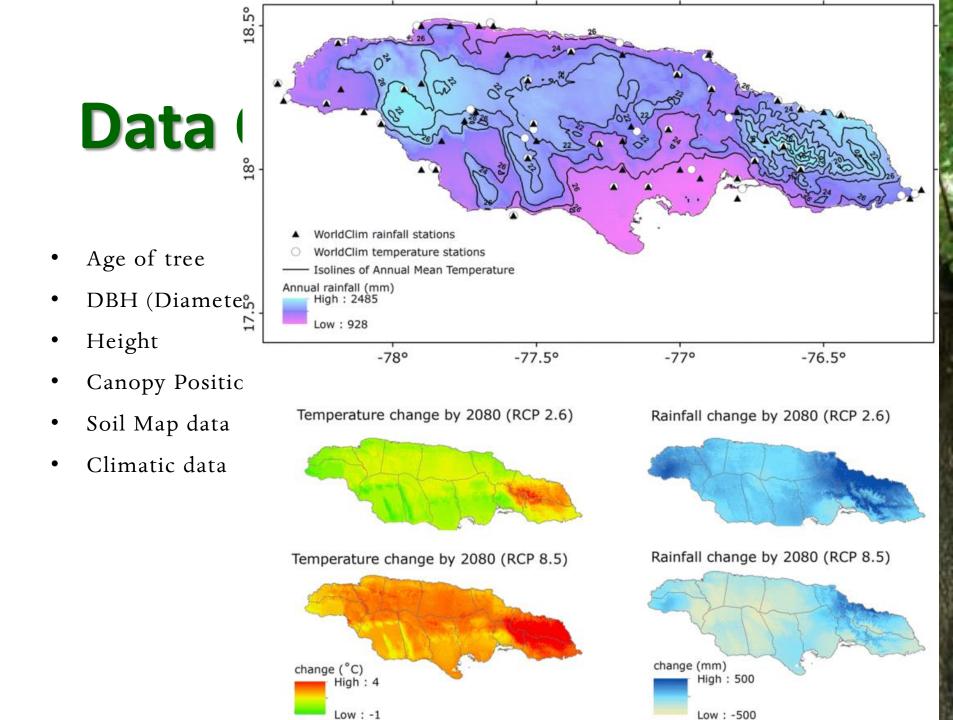
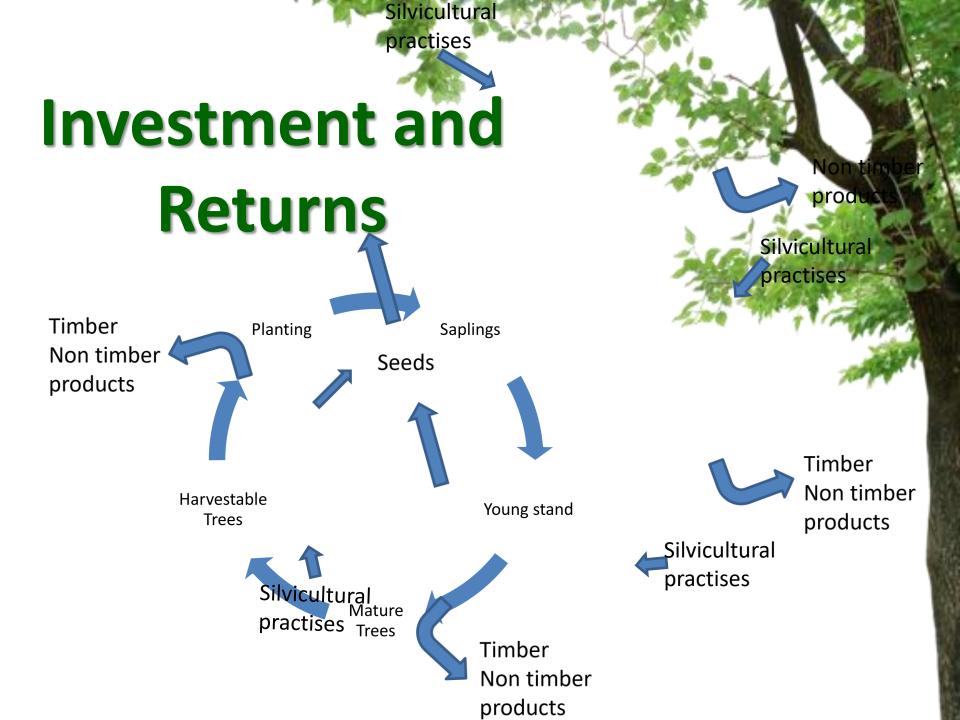


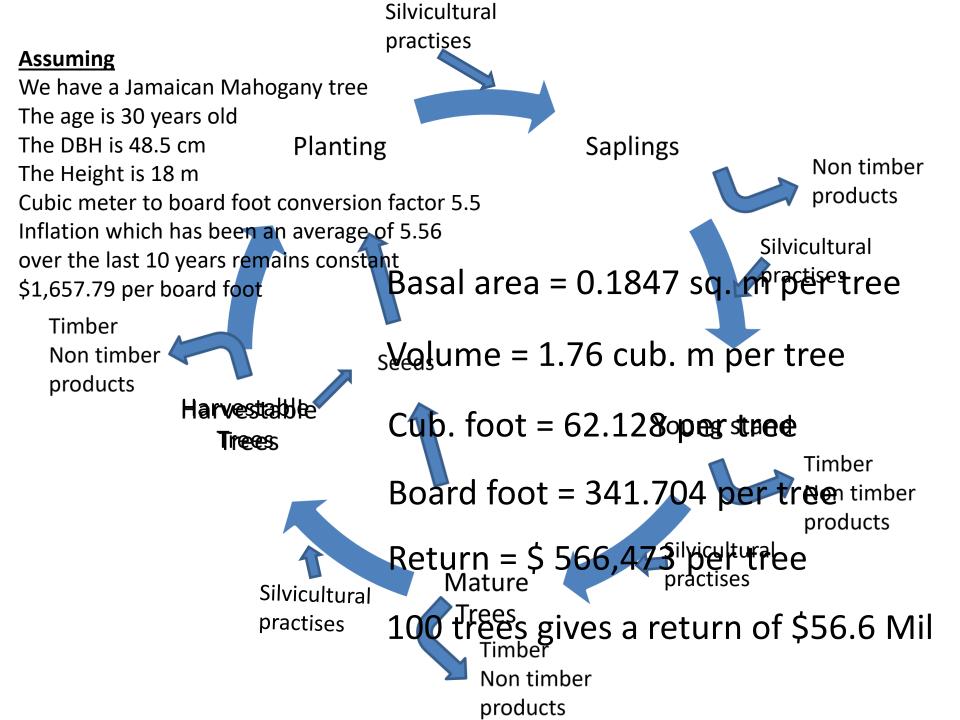
Figure 12. The relationships between age and diameter (a) and age and height (b) of *S. macrophylla* taken from measurements of temporary plots in South Kalimantan and permanent plots in Java and Nusa Tenggara (*points*: mean values of the plots, *lines*: values taken from the yield table developed by Wulfing (1949)). Roman numerals indicate site quality class with a low class number indicating poor site quality.

### Yield Modelling by the Forestry Department

The Forestry Department has started field assessments with the aim of developing yield models for six species of economic importance, namely the Jamaican Mahogany *(Swietenia mahagoni), the* West Indian Cedar *(Cedrela odorata),* Teak *(Tectona grandis),* Santa Maria *(Calophyllum calaba),* Spanish Elm *(Cordia gerascanthus),* and Blue Mahoe *(Hibiscus elatus).* 







#### Summary

The Forestry sector has great potential to be utilized as a business. With the tool of Yield models, our stakeholders will be availed the knowledge of when to expect their return and more importantly, what to expect. This is expected to encourage and improve the decision making of potential planters to venture into the forest sector.



The CEO & Conservator of Forests Forestry Department 173 Constant Spring Road Kingston 8 **Call:** 618-3205 Forest Offences Hotline: 1-888-FORESTS (367-3787)

Email: fdinfo@forestry.gov.jm

Find us on Social Media @ForestrvDept





Protecting our Forests; Sustaining Lives

## Thank you