

# **Regeneration Standards Linked to Yield**

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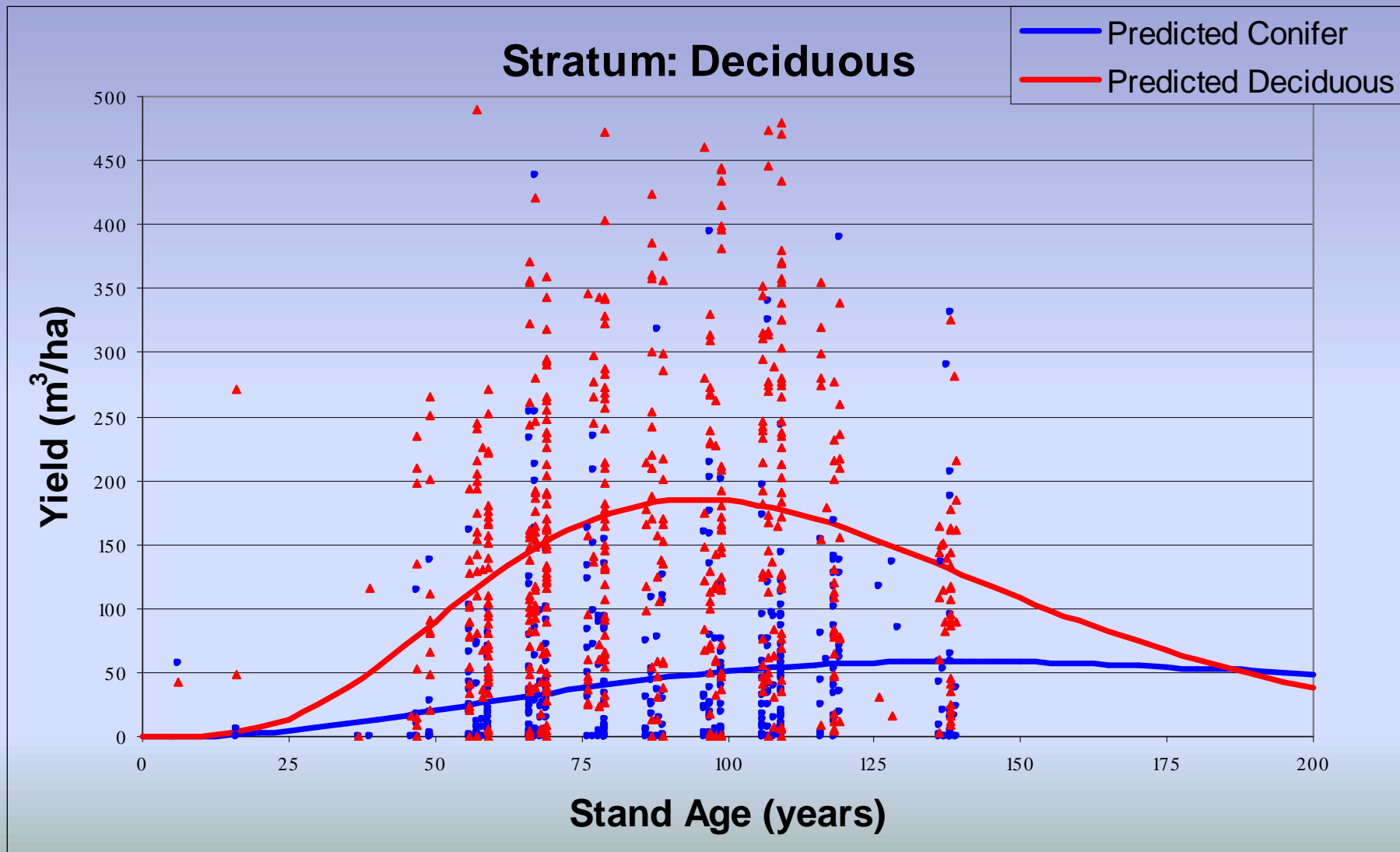
# Regeneration Standards: What and why?

- ◆ When met, they suggest that actual reforestation and growth are consistent with predicted reforestation and growth
- ◆ Are early indicators of sustainability; when attained, the forest, as assumed in the forest management plan, is “happening” on the ground
- ◆ Since forests grow is slow (60-120 years), we cannot wait that long to know if (or not) the planned forest will occur

# Desired Future Forest (DFF)

- ◆ Is a selected, agreed to future
- ◆ Is unique to each Detailed Forest Management Plan (DFMP)
- ◆ DFMPs define the types of trees, spatial patterning of forests and rate of growth that are needed to support the approved Annual Allowable Cut (AAC) and the other forest values

# Timber Supply & Standards



# Desired Future Forest: Growth, Yield and Regeneration Standards

- ◆ Early evidence of the likely attainment of regenerated forests (as assumed in the DFMP) must be created to account for the specifics of the DFF
- ◆ Reforestation standards are part of the system of check-offs to demonstrate achievement of DFMP objectives
- ◆ Alternative Reforestation Standards (ARS) is the process to develop FMP specific standards

# **“Alternative” Regeneration Standards (ARS)**

- ◆ **The four Provincial standards will be replaced for each FMA area (all harvested areas within the FMA) by FMA specific standards that align with DFMP goals**
- ◆ **Reporting is done to Provincial 10 ‘base’ strata, but standards developed for all FMP strata**
- ◆ **Non-traditional silviculture treatments will have standards (shelterwood, enhanced forest management)**
- ◆ **ARS is a requirement of the FMP process**



# Alternative Regeneration Standards: Goals

## ◆ Goals

- ◆ Maintain the productive capacity of the forest
  - Maintain productive landbase
  - Maintain coniferous/deciduous fibre supplies
- ◆ Derive explicit link of minimum polygon standards and strata targets to expected yields as approved in the Detailed Forest Management Plan
- ◆ Derive and test strata attainment success
- ◆ Initiate active process of setting, testing and refining regeneration standards
- ◆ By 2010, have new standards in place for all FMAs based on a rigorous development process

# What's Required?

## ◆ Block level minimum standards

- ◆ Standards achieve, at the minimum, the minimum harvest volumes assumed
- ◆ Must include minimum
  - Stocking by species
  - Density by species
  - Height by species
  - Measure of free-to-grow
  - Values for ANY parameter in yield forecasts

## ◆ Strata targets – for the population of blocks harvested for each strata

## ◆ Two assessment surveys

# A R S: Outcomes to date

- ◆ **Active Communication**
  - ◆ Silos must communicate
- ◆ **Accessing all available information**
  - ◆ Data, models, opinion brought to bear on question
- ◆ **Energy, commitment, mind power, and creativity to greatly enhance our regeneration standards**
- ◆ **Multiple independent thinking**
- ◆ **Highly focused efforts, collaborative initiatives, & a renewed vigorous debate**