



# Local Prosperity Conference

Harold Alexander

North Range Forest Products



North Range Forest Products Sawmill, Digby County

















100 HP Valmet Harvesting Tractor





100 HP Valtra Forwarding Tractor & Trailer



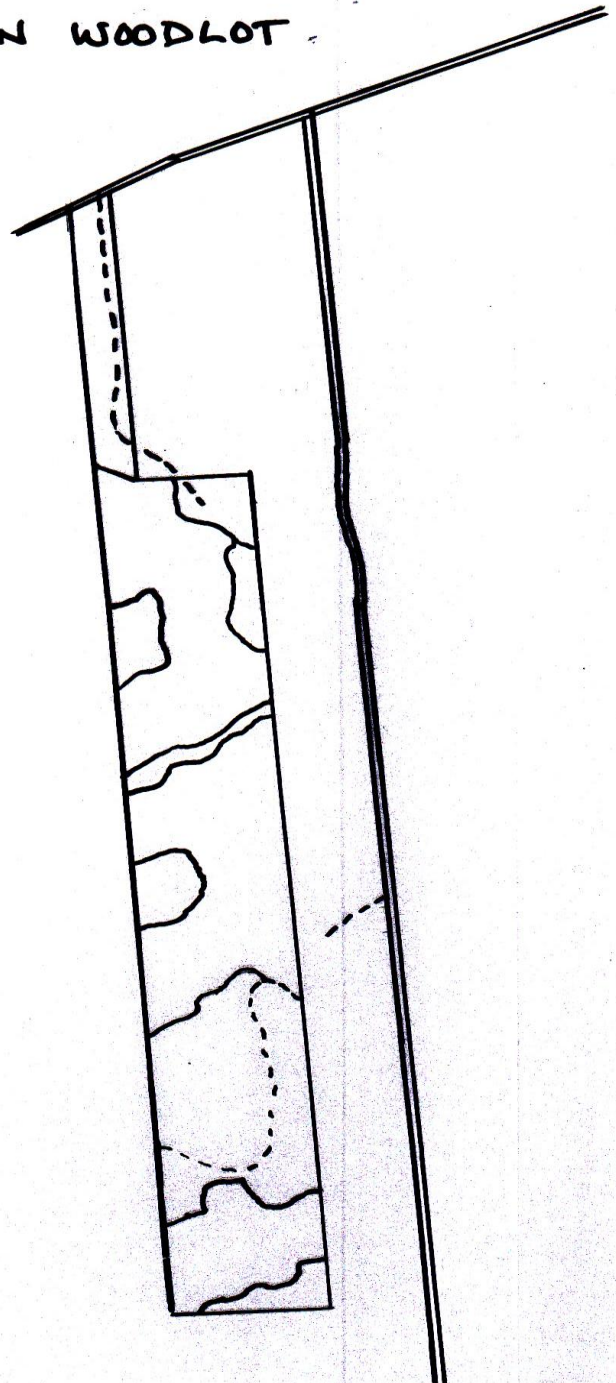








BARTON WOODLOT





# Woodlot Synopsis – March 2015

- HISTORY..... WOODLOT PLAN IN THE EARLY 1980'S, ACCESS ROAD, COMMERCIAL THINNING IN SEVERAL STANDS, INTENSIVELY MANAGED SINCE 1999 (15 YEARS) BY NORTH RANGE FOREST PRODUCTS.
- TOTAL AREA .....35Ha. (87Ac.)
- PRODUCTIVE FOREST AREA ..... 31.8 Ha. ( 91 %)
- STUMPAGE PAID (1999-2014).....\$70,021
- YEARLY AVERAGE (Stumpage)..... \$4,668
- OWNER EXPENSES (boundary, roads) .....\$1366
- STANDING TIMBER (2015) ..... 4300 M3 (1900 Cords)
- TIMBER STUMPAGE VALUE (est.) ..... \$81,225 {Sawlogs = \$76,700 (94%)}































































# Forestry In Finland














A large, tall stack of cut logs and branches is the central focus of the image. The logs are stacked in a somewhat orderly fashion, with some larger logs on the outside and smaller branches and twigs filling the interior. The stack is situated in a forest, with green trees and a blue sky with light clouds in the background. The lighting suggests a bright, sunny day.

“The unrenewable natural resources of the world are diminishing, which means that forests as a renewable resource will become more valuable in the future.”

Wood yields environmentally friendly energy. The CO<sub>2</sub> release when wood is burned is bound by the growing forest. At present wood accounts for 20% of Finnish energy production.

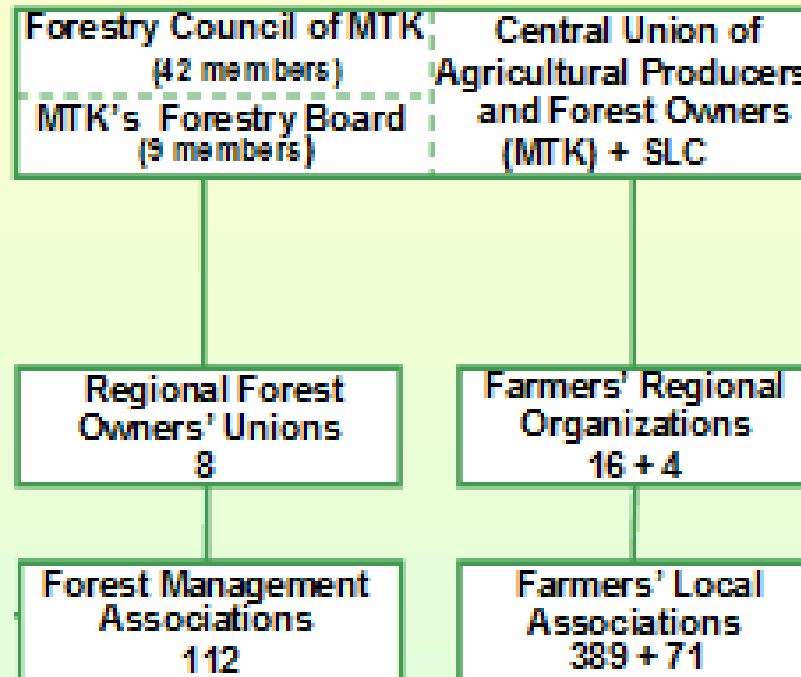


# The Organization of Private Forestry 2009

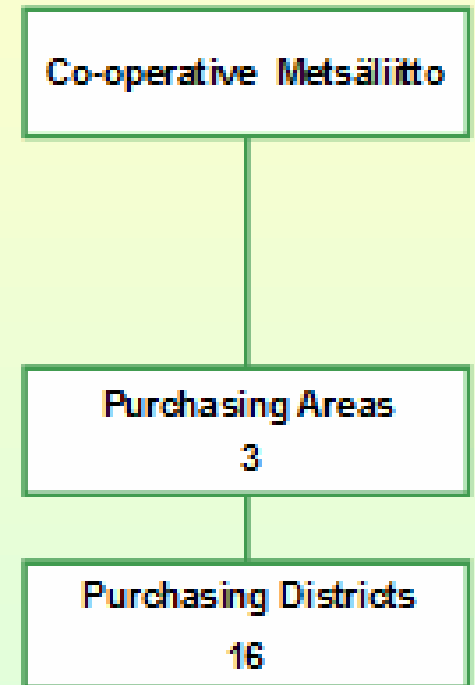
## Statutory Organization



## Forest Policy Organization of Private Forestry



## Commercial Organization



Members of Forest Management Associations 320 000 Forest Holdings, which have 633 000 Forest Owners

Members of Co-operative Metsäliitto over 131 000



# Research & Development in Finland



# METLA





# Forests and Forestry in Finland

## (Ministry of Agriculture & Forestry)

- “75% of the land area of Finland is covered by Forest. A significant portion of Finland lies north of the Arctic Circle. The Gulf Stream tempers the climate but because of the harsh climate and poor soils, Finnish Forests grow in very difficult conditions. Globally, Finnish Forestry is very competitive and lays the foundation for economic and social sustainability. The Forest sector and related industries are significant employers. When all the other environmental and social values are included, forests truly are green gold for Finland. In Finland, Forestry is practiced with a long term perspective, taking into account the needs of future generations.”



# Nova Scotia Forestry Today

- In Nova Scotia in 2015, it is my view that we are missing out on the many opportunities in our forests to be green gold, and for the most part, we are certainly not managing our forests with a long term perspective for future generations, and future economies.
- Lets compare Forestry/Forests in Nova Scotia with Finland.



# Finland vs Nova Scotia

## Forest Management

### ■ Finland

- 20,000,000 ha. Productive
- Boreal Forest (NS/SP/WB/AS)
- 100% Managed
- Forest Mngt Effort = very intensive (Planting, Weeding, Spacing, Thinning,, Final Harvest)

### ■ Nova Scotia

- 4,000,000 ha. Productive
- Acadian Forest RS/BF/WB/YB/WP RM/SM/WA/RO/WB/EH.....)
- % Managed ?? (prob. < 5%)
- Non Intensive, - Small private forestry ???, - Mostly over cut or not cut at all, “ little or no regard for future growth”.



# Finland vs Nova Scotia

## Forest Industry Statistics

### ■ Finland

- 80,000,000m<sup>3</sup> Annual Growth (3 m<sup>3</sup>/ha/yr)
- 60,000,000m<sup>3</sup> Annual Harvest
- Papermills.....22
- Paperboard Mills.....13
- Chemical Pulp .....14
- Large Sawmills .....130
- Plywood Mills .....8

### ■ Nova Scotia

- Growth unknown, vague estimates from DNR
- 3,500,000m<sup>3</sup> Annual Harvest
- Papermills .....1
- Paperboard Mills .....0
- Chemical Pulp .....1
- Large Sawmills .....6
- Plywood Mills .....0



# Finland vs Nova Scotia

- If Nova Scotia Forests were managed as intensively as Finlands forests, Nova Scotia could potentially add :
  - 28,000 direct jobs in the forest sector, mostly in rural Nova Scotia
  - > \$3,000,000,000 of additional manufactured value in Nova Scotia



# Where To Go From Here – My View

- Governance – The N.S. Dept. of Natural Resources bureaucracy is too far away from the forests of rural Nova Scotia. My 36 years working in N.S. forests has convinced me that the existing forest management system does not work.
- Local municipal governments need to become involved as partners in rural forest economic development.
- Need to engage as many stakeholders as possible including Forest Authorities in Finland for their help and guidance.
- Time is of the Essence!





Thankyou!