

# Native Hardwoods on Family Forests

NIPF Foresters Workshop

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Washington Hardwoods Commission

# Outline

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- 2. Washington Hardwoods Commission
- 3. Commercial Hardwoods = Alder & Hybrid Cottonwood
- 4. History of Alder - Commercial Development
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- 6. Alder Growth & Yield Model
- 7. Continuing Education - Managing & Planting Alder
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# My Background

	Alder Exposure	D Fir #2 Sawmill Stumpage	Alder 8 in.+ Stumpage
1955	Cutting Alder Firewood	\$200/MBF	\$5/MBF
1965	Pulp Mill Log Chipping	\$300/MBF	\$10/MBF
1975	? Alder Mill – Tillamook, OR	\$400/MBF	\$50/MBF
1992	Cascade Hardwood	\$500/MBF	\$130/MBF
2003	Washington Hardwoods Commission	\$300/MBF	\$400/MBF

# Washington Hardwoods Commission

- Chartered by Washington State Legislature
- Purpose is to Promote Hardwoods
- Funded by \$0.25/Green Ton Processing Tax
- 1996 GIS, 2002 GIS
- Dr. Steven West Riparian Study
- OSU Hardwood Silvicultural Cooperative
- Alder Growth & Yield Model

# Commercial Hardwoods in Pacific Northwest

- Alder
- Hybrid Cottonwood
- Other

# History of Alder - Commercial Development

- 1910 to 1960 Large Acres Naturally Regenerated With Conifer & Alder
- 1960 to 1995 All Harvested Land Re-planted with Conifers - Alder Killed
- 1995 to 2002 Conifers Re-planted, Natural Alder Managed
- 1940 to 1975, Many Small Alder Mills

## Alder Commercial Development - Continued

- 1975 to 1985 - Consolidation of Mills
- 1985 - Europeans Become “Green”
- 1985 to 1997 - Huge Demand for Alder
- Ever Increasing Alder Stumpage and Lumber Prices
- Mill Investments in Quality & Technology
- 1998 to Now - Mill Capacity Higher than Alder Harvest, thus, All Profit Goes to Stumpage Owner

# Stumpage Value of Alder vs. Conifers

- Stumpage Value of Alder Exceeded D Fir & Hemlock for First Time in 2001
- Conifers are Commodities - Global Production
- Alder is Specialty - Unique to PNW
- Internal Rate of Return - RA-35, 8.26%
- DF-45, 6.99% DF-55, 5.91%

# Alder Growth & Yield Model

- Cooperators - BC Ministry of Forests, Weyerhaeuser, OSU-Hardwood Silvicultural Cooperative, USFS, Rayonier & Campbell Group
- Model Developer - Stand Management Co-op @ University of Washington
- Preliminary Report - June 2004

# Continuing Alder Education

- Value of Alder vs. Conifers
- Managing Existing Alder Stands
- Planting Alder - 525 trees/acre
- Managing Alder - Thinning & Pruning
- Form & Value
- Make Planting & Managing Alder as Well-understood as Planting & Managing Conifers

# Conclusion

- Harvestable Alder is in Short Supply
- Planting Alder Will Give the Landowner the Highest Financial Return
- Completion of Growth & Yield Model for Alder is Important
- Education of PNW Land Managers
- Alder Unique to Pacific Northwest