

**3/31/09
LUNCH &
LEARN:
S.E. AK'S
TIMBER
INDUSTRY**

Resource Development
Council
Legislative Lunch 'n Learn

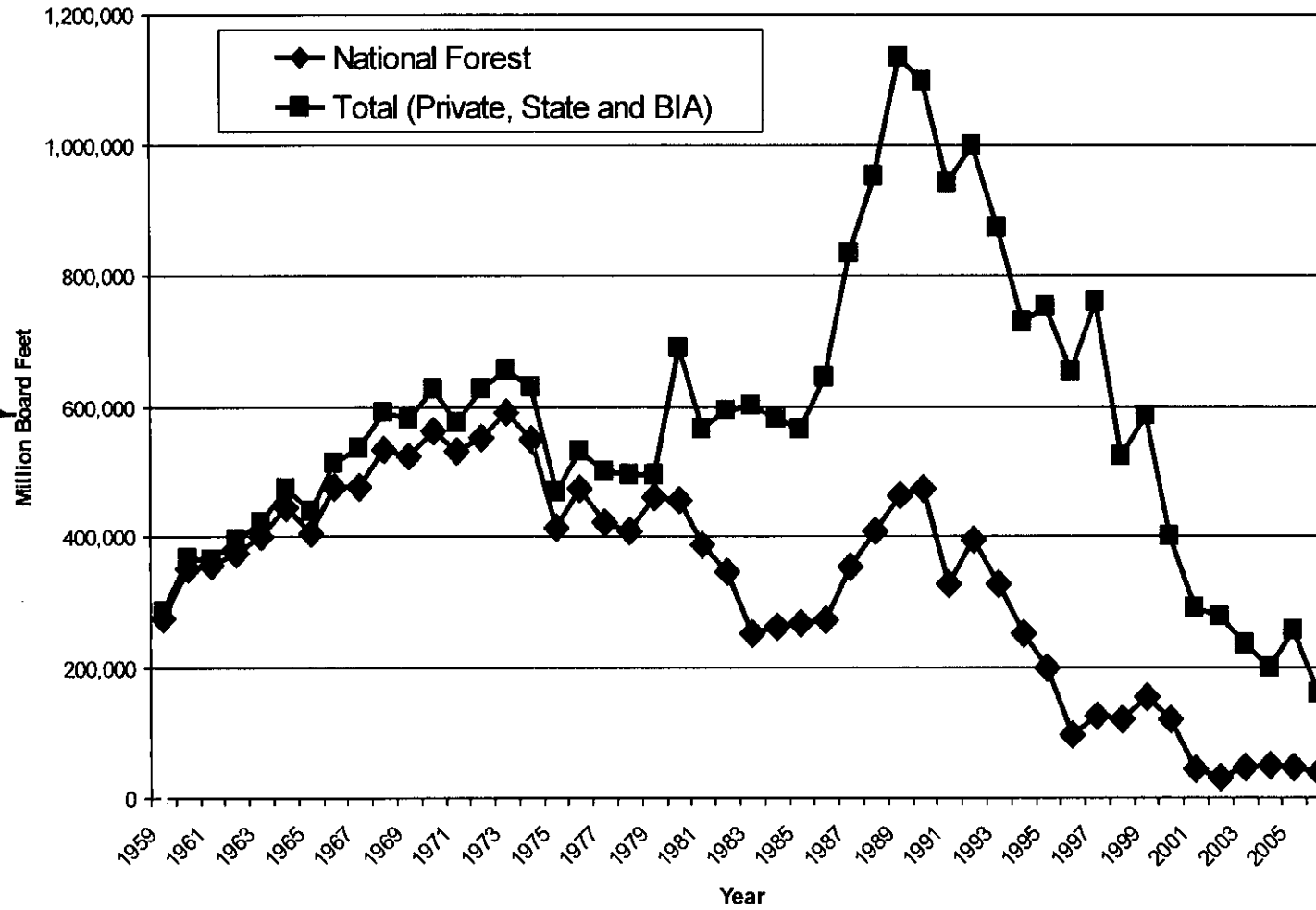
*“Southeast Alaska’s Timber
Industry”*



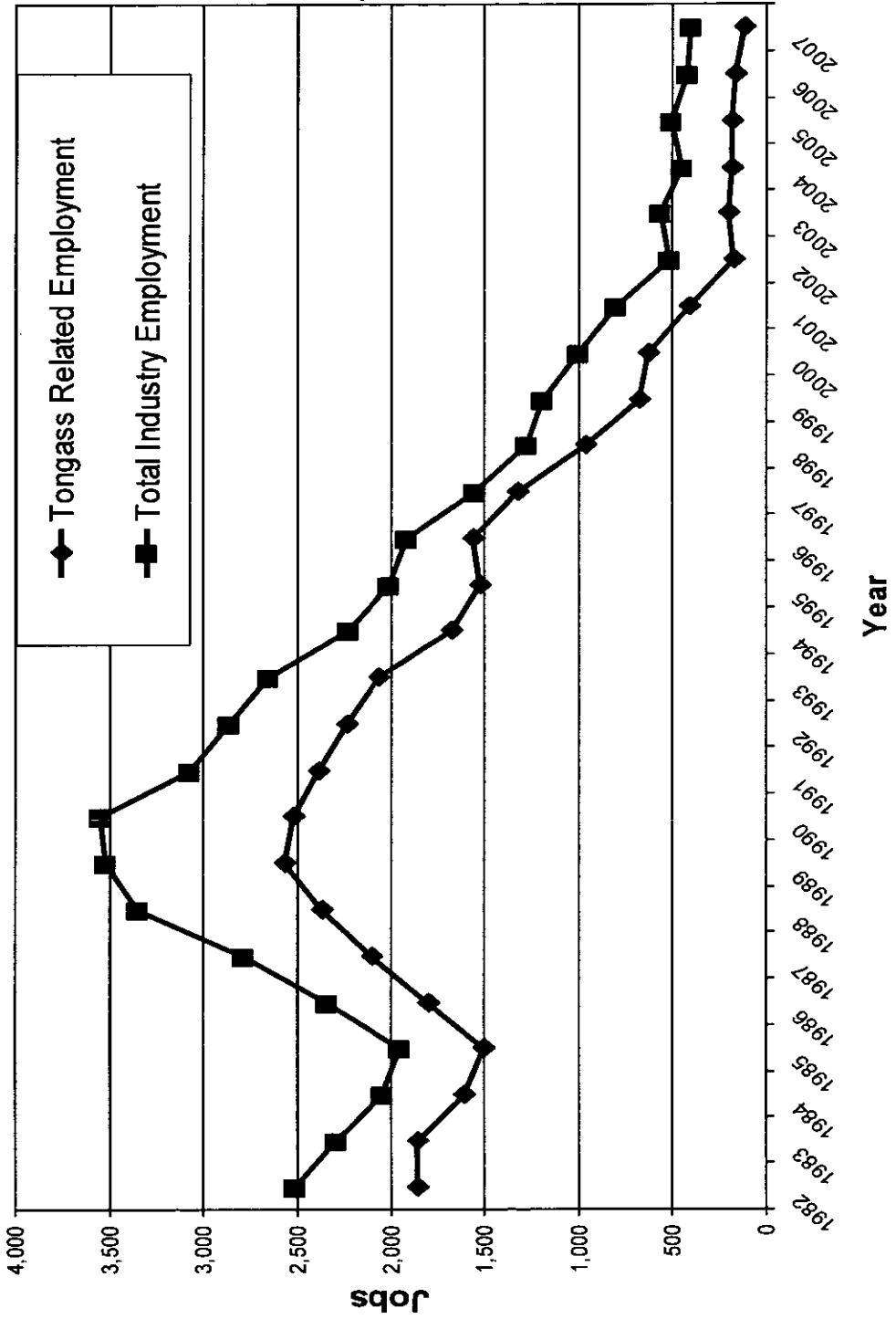
Rick Harris, Sealaska Executive Vice President
Ron Wolfe, Natural Resource Manager
March 31, 2009



Alaska Timber Harvest for Private and Public Lands (Pacific Northwest Research Station)



INDUSTRY EMPLOYMENT



Today's Timber Harvest

- 20 to 30 mmbf per year Tongass National Forest – Future?
- 50 mmbf per year for 3 - 5 years Sealaska
- 15 mmbf for per year 2 years Haida Corp.



Markets for SE Alaska Logs and Lumber

- Markets are global
- Products are varied
 - Fine finish wood, musical instruments, fencing, construction lumber to pallets, shipping containers and paper
 - New products may include use of milling and logging residues for bio-energy products



Sealaska Log Products

Species	Sales mmbf	Value
Hemlock	16.9	\$14.5 million
Red Cedar	11.5	\$14.1 million
Spruce	22.9	\$26.6 million
Yellow Cedar	1.7	\$1.9 million
Total	53.0	\$57.1 million

Sealaska Log Markets

Market	% of Volume	% of Value
Japan	45%	47%
Korea	25%	21%
USA	12%	12%
Taiwan	6%	7%
Pakistan	1%	1%
Net	53 mmbf	\$57 million



Comparison of Log and Lumber Jobs

According to McDowell 2005
Report

- 4.5 logging and sawmill jobs
created from Tongass National
Forest
- 4.3 logging and stevedoring jobs
created from Sealaska harvest

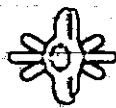
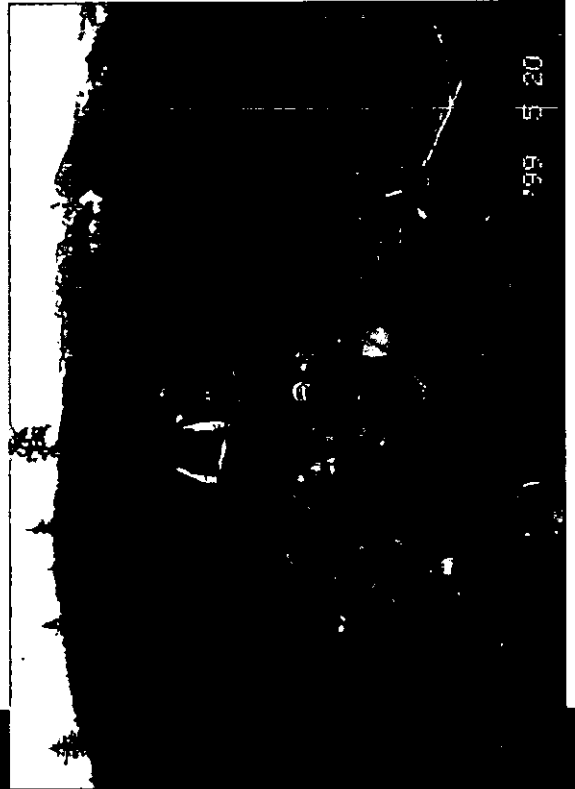


Even Aged Harvested Acres

- 430,000 acres Tongass National Forest
- 80,000 acres Sealaska
- 160,000 to 180,00 acres (estimated) for the Southeast 10 Village and Urban Corporations combined
- 680,000 acres total approximately



Tree Planting

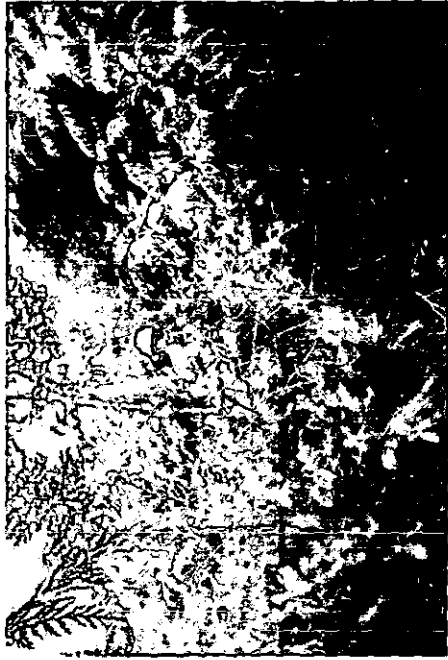


Tree Planting

- Benefits
 - Ensures forest regeneration
 - Impact species composition
 - Shorten rotation
 - Mostly on the northern end of the Tongass
 - Provides local employment
- How many acres?
 - Sealaska has planted 8,000 acres
 - Tongass ?



Tree Thinning



Thinning

- Precommercial thinning
- Benefits
 - Wildlife
 - Species composition
 - Shorten rotation
- How many acres?
 - 160,000 acres Tongass National Forest
 - 31,320 acres for Sealaska
 - 20,000 acres for Village and Urban combined



Thinning

- Commercial Thinning
 - Product recovery
 - Restoration opportunity treat forests not precommercially thinned
 - Wildlife
 - Species composition
 - Larger sawtimber at harvest
- Opportunity
 - ~ 200,000 acres Tongass
 - ~ 100,000 acres Village and Urban Corporations
 - More with out precommercial thinning



Unmanaged Stand age 240 yrs

Unmanaged forest – 240 Years after harvest –
Average diameter = 14" – Stand is ready for harvest – 38 MBF/Acre

StdID:0000002291 Regm: GROW Year: 2245

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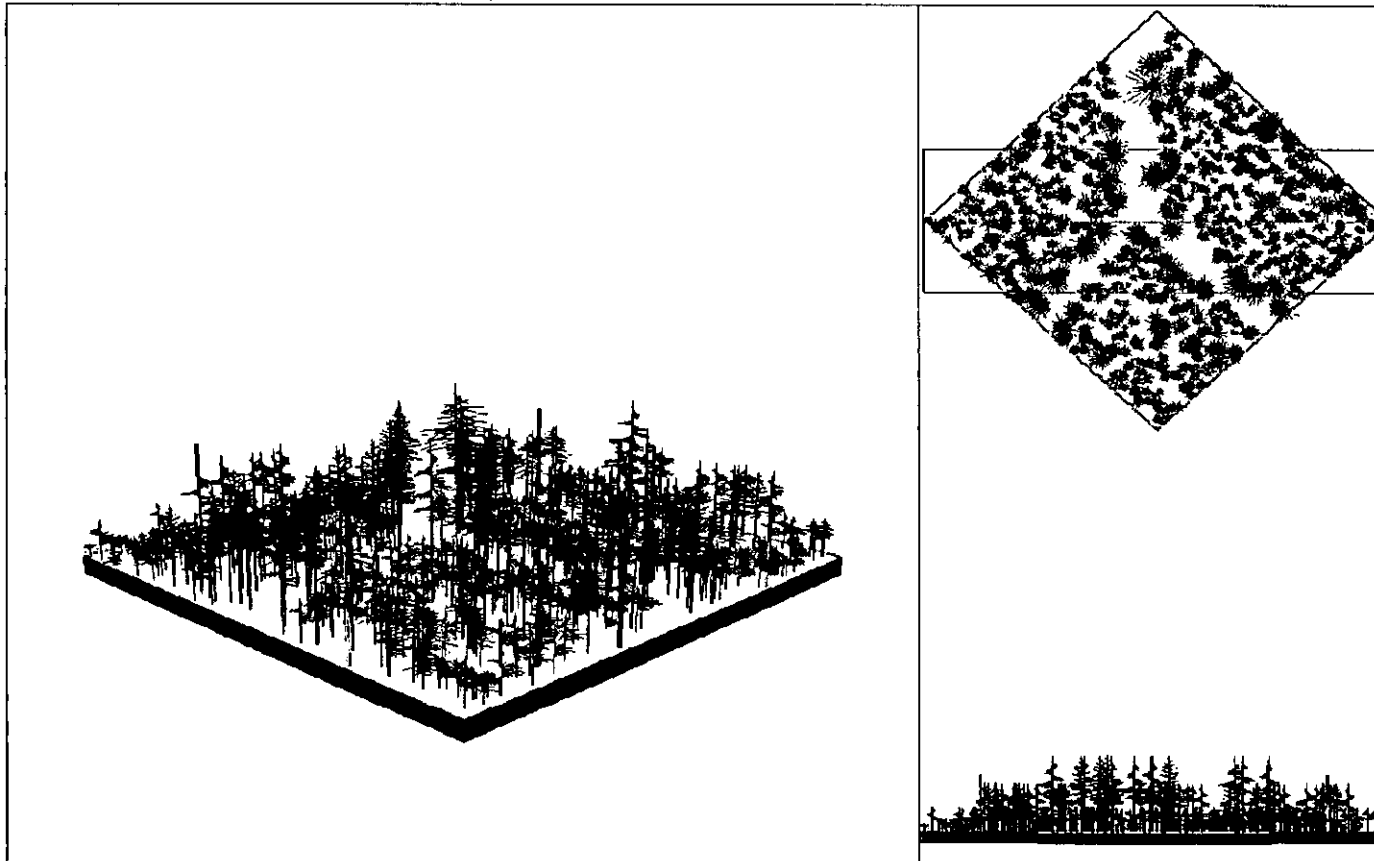


Young Stand

Year of timber harvest - Forest not yet managed

StdID:0000002291 Regm: THIN Year: 2005

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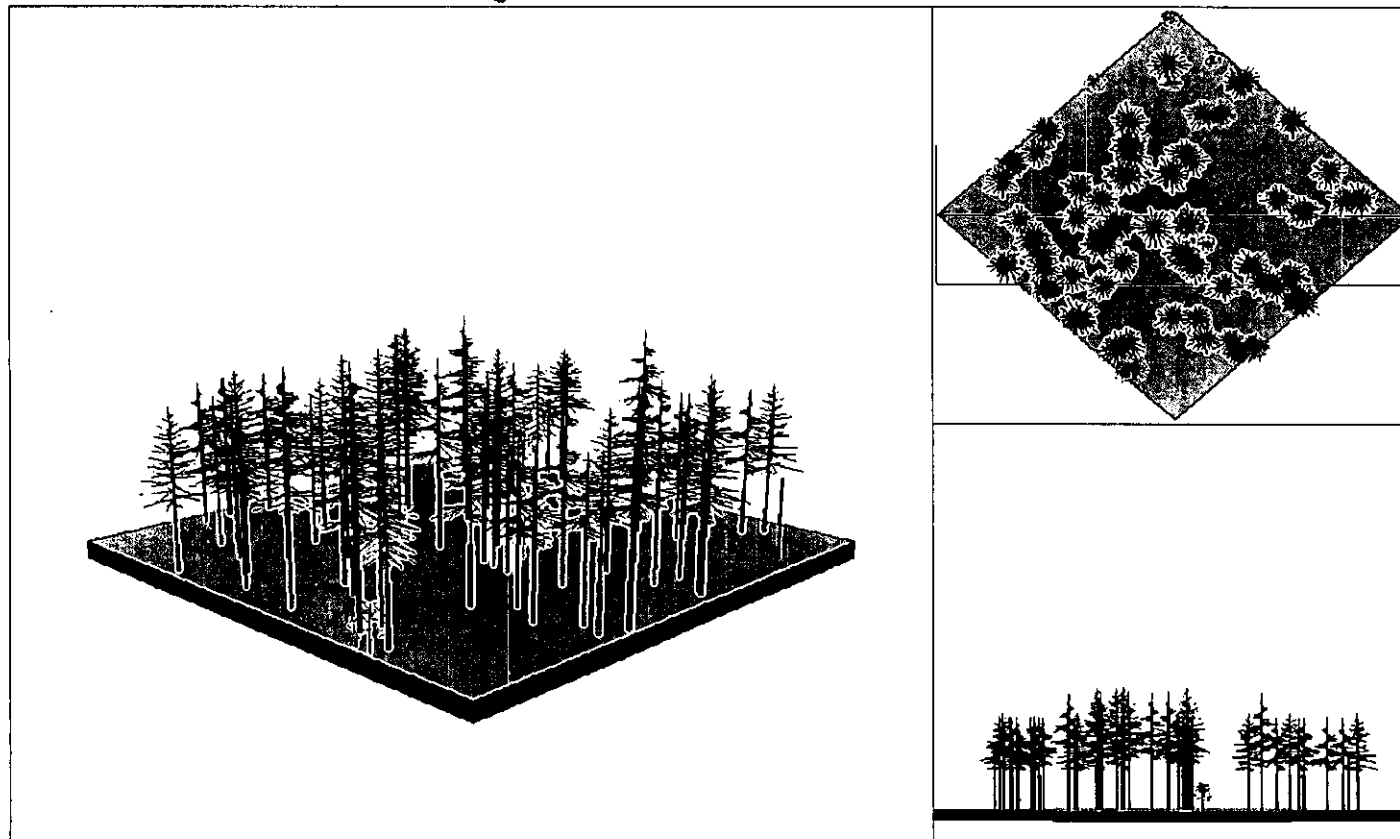


Precommercial Thinning age 15 – 20 yrs

Forest 15 years after harvest – **Year of Management**

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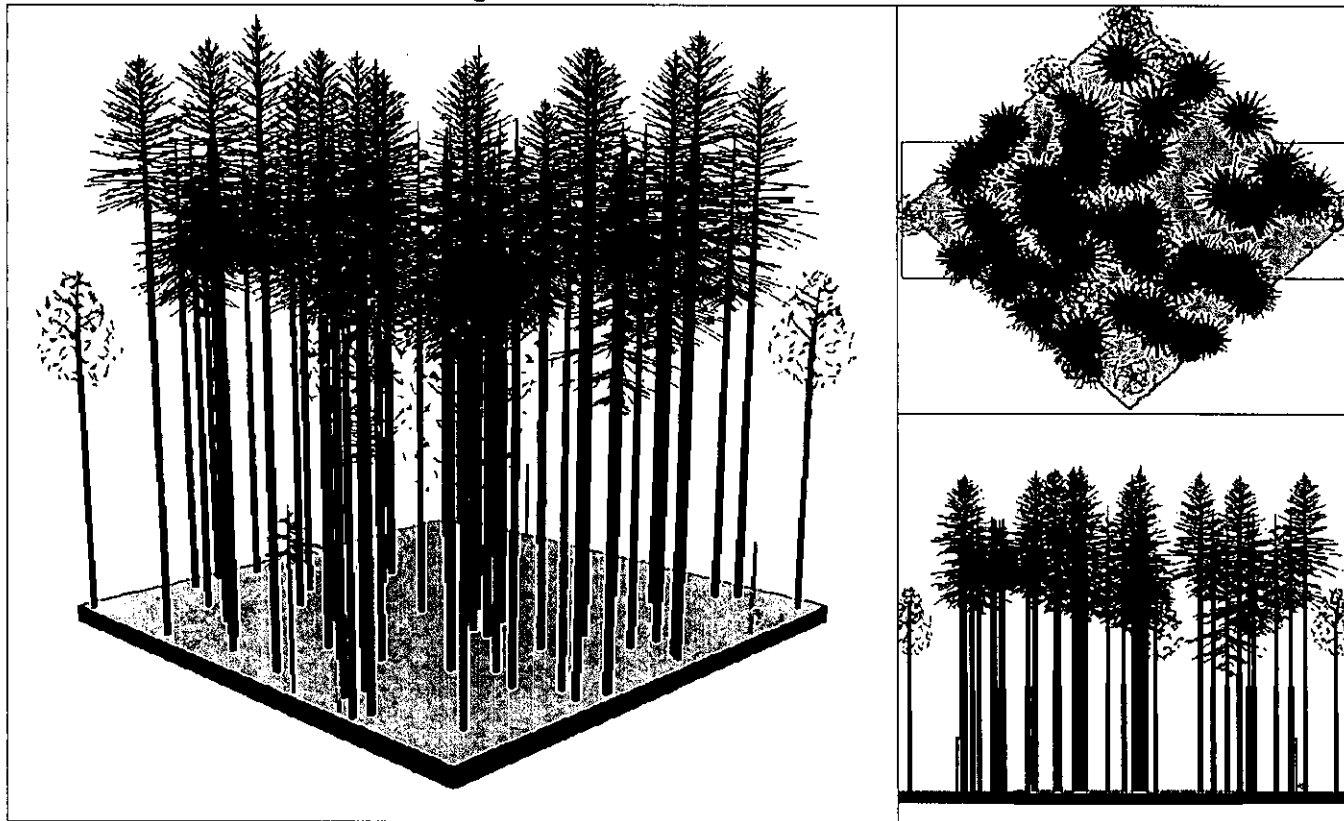


Managed Stand at age 80 yrs

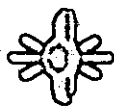
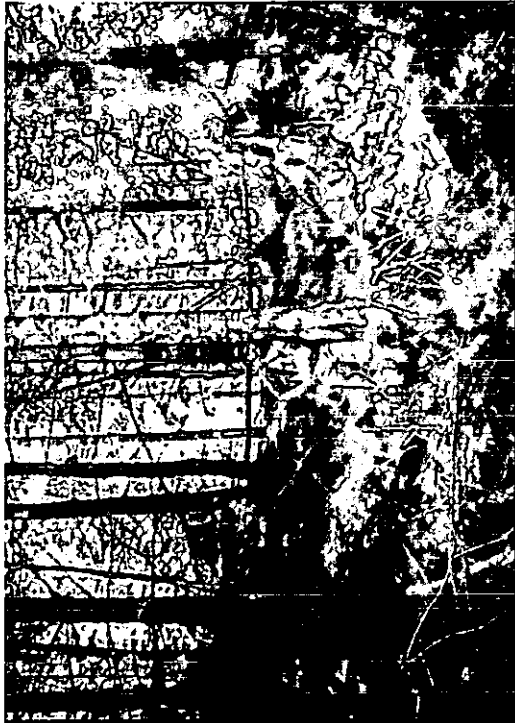
Managed forest 85 years after harvest – 70 years after management
Average Diameter = 14" – Ready for harvest – 39 MBF/Acre

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Tree Pruning



Basal Pruning

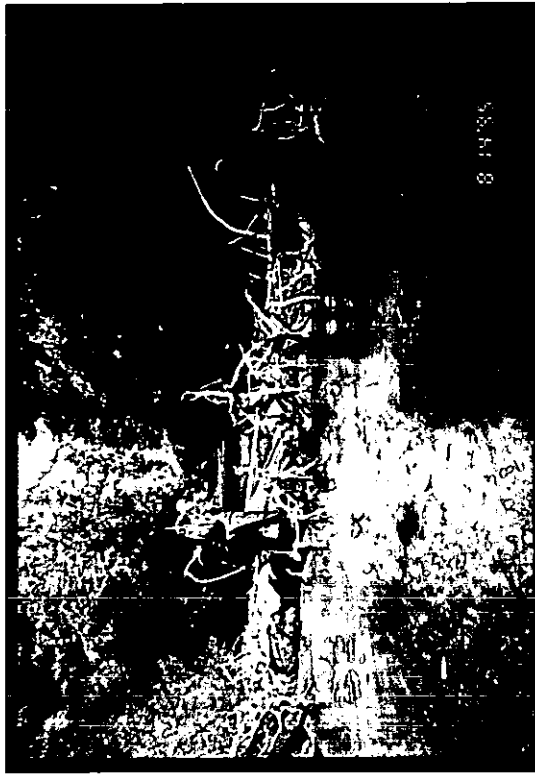
- **Benefits**
 - **Wildlife**
 - **Promote higher value product – clear lumber**
- **1,100 acres of Sealaska's forests**



Alaska FOREST and Resources PRACTICES ACT



Effectiveness Monitoring



Wildlife Studies

