Woodland Stewardship Stories in Downeast Maine



Presented by:
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Coleman Tree Farm



- Landowner: Coleman Family Living Trust
- 2 60 ac parcels, 1st bought Dec. 1987, 2nd bought Fall 2005.
- Reasons for ownership:
 Homesite, recreation for
 family (walking and ATV),
 firewood (12 cords/year)
- What they value about woodland: continually producing, feeling of good stewardship, family connection (son and daughter in law assoc. in forestry, interested grandkids)

"I get great satisfaction in leaving the property in a better condition than when I found it." Wayne Coleman



Forest Management Planning

- Tree Growth Compliance
- 2 plans, 1st Georgia Pacific (MAP program) 1994, WoodsWISE Updated w/additional 60 ac 2005, Dale Covey.
- Cost of plans mostly paid for through GP and WoodsWISE.
- Objectives: 1. Provide the long term, sustained yield of forest products (Primarily red oak, spruce, white pine, and birch sawlogs), 2. Enhance recreational opportunities, 3. Provide for continuous supply of firewood for personal use. 4. Improve access roads and trails.

"Have PATIENCE, harvesting is like heart surgery, it's ugly when you finish, but it does get better down the road." Wayne Coleman



"After both commercial harvests I immediately thought, what have I done?!?!, but a year later after the forest has had time to green up and I cleaned up a little, I was glad I had the harvest done. The forest is more healthy because of both commercial harvests."

1995-1996 Commercial Harvest



Logger Dale Hamilton, chainsaw & cable skidder. Hardwood tops left for firewood, mature poplar, hemlock, spruce, and fir were targeted. Oak was the favored species.

"Dale Covey acted as agent for both commercial harvests. Harvest went better because of Dale Covey's involvement in the harvest. We had discussions during the harvest to change plans through the harvest, what to cut and leave and trail layout."



1995-1996 Harvest Summary



Post Harvest Practices (Home Lot)

- August 1995 3.5 acres Crop Tree Release
- January 1997 5.5 acres Crop Tree Release
- May 1997 Trail Work, 5 culverts installed and 250' of ditching
- August 1998 10 acres Crop Tree Release
- March 1999 18 cords of poplar OSB harvested by landowner \$1040
- March 2004 11 cords of poplar OSB harvested by landowner \$789
- March 2005 27 cords of fir studwood & pulpwood harvested by landowner \$2100



2011 Fir Pulpwood Harvest by Landowner 13 cords, \$1324



2007 Smith Lot Harvest, P&C

Salvage harvest to remove fir, mature spruce and pine, poplar, aspen, and beech.





"The forest was a giant over grown garden that needed weeding, now that the commercial harvest has been implemented I can manage the forest on my own" - Wayne Coleman



Post Harvest Practices (Smith Lot)







Post Harvest Practices (Smith Lot)

- Pruning
- · TSI

Continually Producing

Harvest	Income	
Poplar March 1999	\$	563,00
Poplar March 1999	\$	473.00
Poplar March 2004	\$	789.00
Fir Studwood March 2005	\$	1,441.00
Fir Pulpwood March 2005	\$	779.00
Fir Pulpwood January 2011	\$	1,324.00
Smith Lot Commercial Harvest 2007	\$	10,929.00
Home Lot Commercial Harvest 1995-96	\$	4,987.00
Personal Firewood (12 cds/yr, 23 yrs, \$70/cord)	\$	19,320.00
Total	\$	40,605.00

Not bad for a hobby!



Recommendations from Wayne Coleman

- Be patient and don't give up if you have to wait or practices don't turn out exactly like you had planned. Give the forest time to respond to the harvest.
- Use a forester to oversee the harvest and negotiate stumpage prices.
- Enjoy God's beauty (hay rides and camp fires with friends and community, share work with school kids)
- Obtained information about management from forester Dale Covey and SWOAM.

Questions or Comments?

Plaut Property, Trescott TWP 175 forested acres (50 acres fields)





- Landowners: Suzanne & Walter Plaut
- Purchased 125 ac 1971, purchased adjacent 100 ac 1980's
- Like privacy & buffer, enjoy walking in woods and aesthetic beauty, woodland is money in the bank. Allowing neighbors to hunt on property improves relationships
- Resource: all wood from buildings was harvested from woodlot, 25 to 30 wreaths produced each year, firewood, fence posts
- 1985, 1993, 2002 had Forest Management Plan prepared for Tree Growth purposes. Objectives: production of commercial forest products, wildlife, recreation.





Management Activity

- 1979 personally cut wood for house with horses
- 1987 personally cut wood for shop
- Landowner realized there was more work then he was capable of
- Since 1987 Tide Mill
 Enterprises has implemented
 3 commercial harvests.
- 1st harvest removed fir and poorly formed stems for pulpwood
- 2nd harvest thinned and removed some sawlogs
- 3rd harvest was a biomass harvest along the shore to improve health of the stand
- Light continual harvesting has created an uneven aged forest







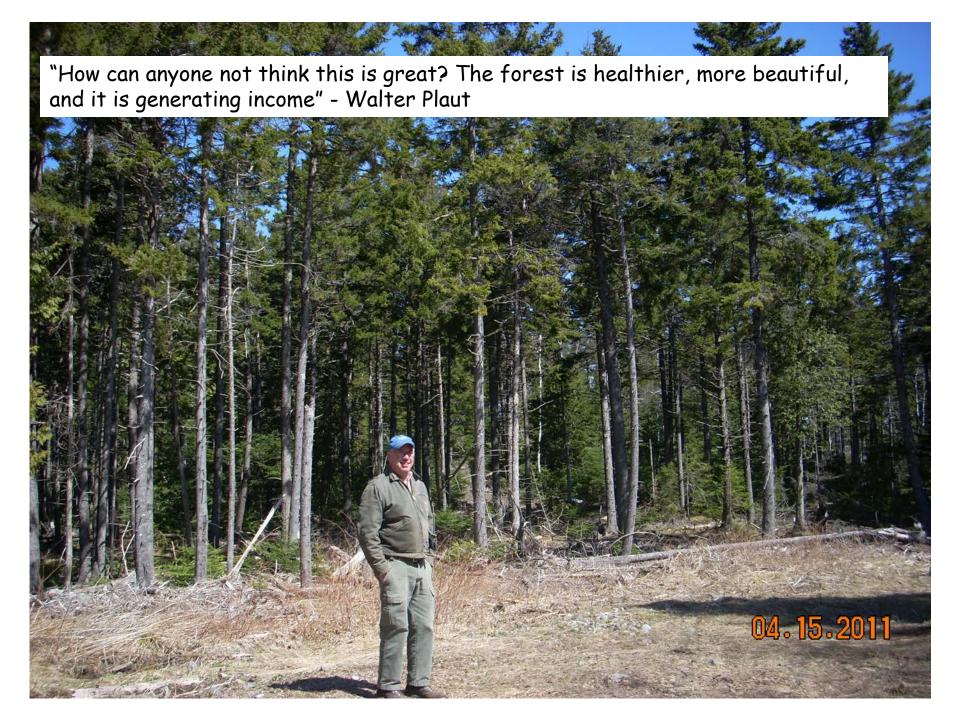




















Future Plans

- 5 yrs continue light small group selection commercial harvesting
- · Tipping for balsam fir wreath brush
- TSI regeneration (if time?)

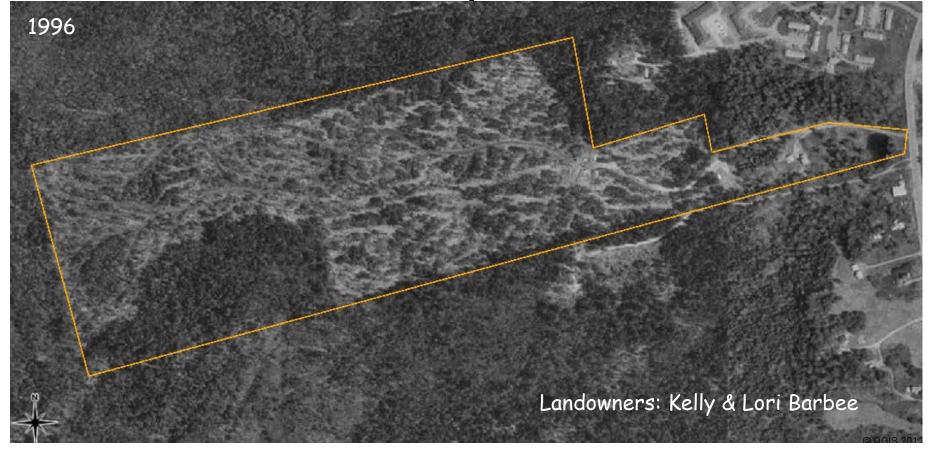


Recommendations from Walter Plaut

- "It pays both financially and aesthetically to manage a woodlot long term"
- "Like a garden think about what you want to grow on your woodlot and what you want to harvest (weed), to improve the growth of residuals"
- Research what should be in a contract with a logger (hard to know the first time)
- Shop around for a forester and a logger
- Know where your boundaries are and keep them clearly marked
- "Keep Maine's forests working", everyone wins when managed properly

Questions or Comments?

Barbee Property Cherryfield



- 80+/- acres purchased in 1997, after prior landowner aggressively harvested most of property. Property surrounded house lot and used for hunting and walking prior to purchasing.
- "saw it's value for privacy, recreation, firewood, as a solid investment, for aesthetics, for wildlife habitat and just for the natural beauty of it."



"Land is one of the few things on the planet that does not reproduce. It is of limited quantity and as such has value."

IMMEASUREABLE ASSETS: "I feel that owning a piece of land is a great asset. The TRANQUILITY and PEACEFULNESS enjoyed while on the woodlot, along with the sights, sounds and smells of nature are immeasurable as to value."

"I value it as an ASSET TO PASS ON TO DESENDANTS along with my plans for the land to hopefully be carried out throughout their lifetimes and beyond."



Woodlot Activities

 Hiking, snowshoeing, ATV riding, hunting, cutting firewood, planting and thinning, wildlife habitat improvement, trail maintenance, property line improvement, tree identification, wildlife track identification, bird identification, and land mapping.



OBJECTIVES

Maintain the land as a WILDLIFE MANAGEMENT AREA, allow limited hunting and tree harvesting, maintaining a HEALTHY FOREST through sustainable forestry practices and maintaining existing trails for RECREATIONAL USE, such as horse back riding, hiking, snowshoeing, bird watching.





Benefits

 Firewood, wildlife sightings, venison, exercise, and income from tree harvest.





Spruce & Fir Pulpwood
Thinning Harvest 2010-11







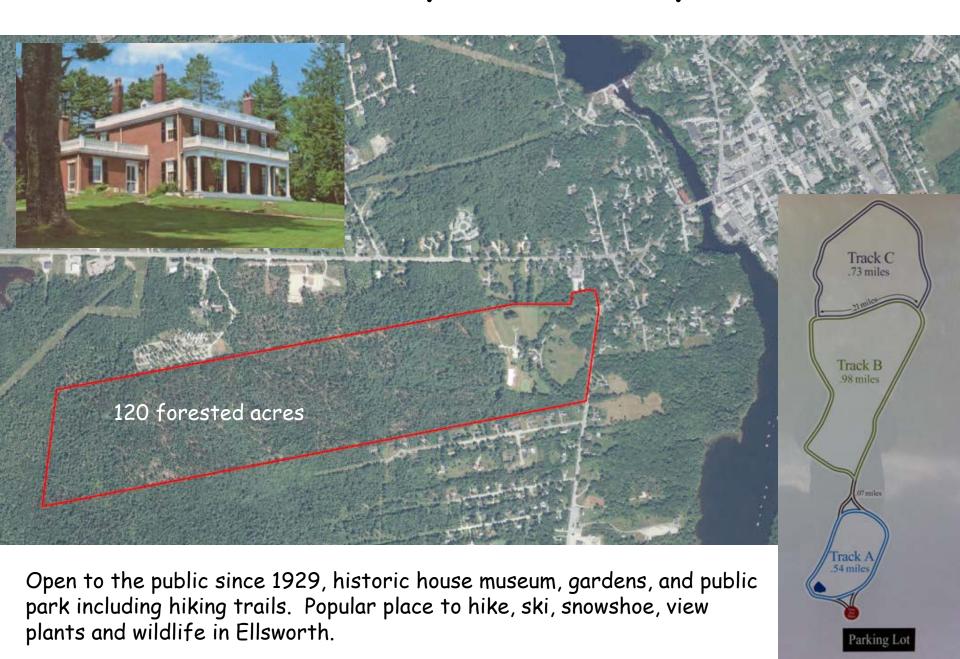


Recommendations from Kelly Barbee

- Enjoy the land for its natural beauty
- Make or maintain walking trails to access all areas of the land to be able to keep watch over all of it
- Consider favoring species that are beneficial to wildlife
- Consider low impact harvesting and thinning

Questions or Comments?

Woodlawn Museum, Black House, Ellsworth





Prentiss & Carlisle contracted to design and implement a customized harvest plan to meet the following objectives

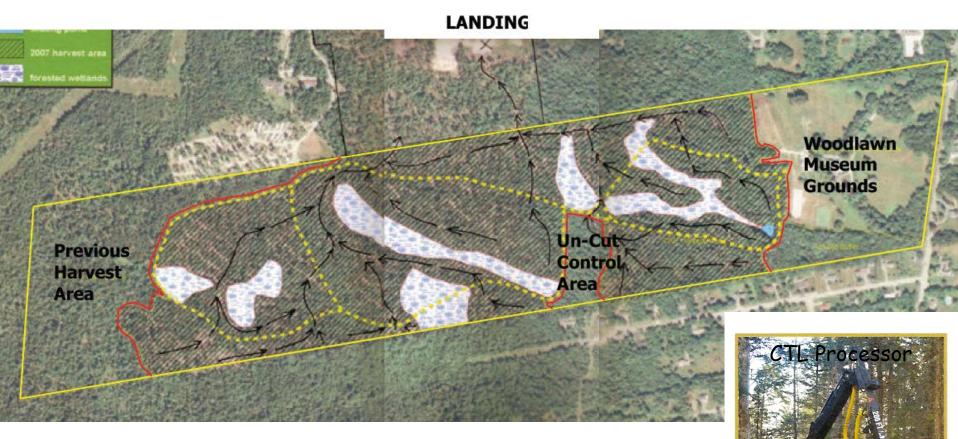
- Preserve trails
- Reduce fire hazard
- Improve forest health
- Enhance aesthetics
- Diversify forest (age & plants)
- Protect/diversify wildlife
- Maintain water quality
- Use low impact logging







Woodlawn Museum Harvest Planning Map



- -Minimized trail crossings
- -Layed out access trails to run parallel to hiking trails
- -Located and avoided sensitive areas (wetlands, ponds, buffers)
- -Yarded wood to neighboring property, to protect roads and museum grounds on property
- -Left un-cut control area

Trail Crossings





Harvest Operation







Thinning from below, harvest removed hazard trees along the trail, low grade stems, suppressed stems, and trees showing maturity and stress.

Forester onsite during the harvest to oversee the harvest and answer questions and concerns from trail users



Un-Cut Control Area



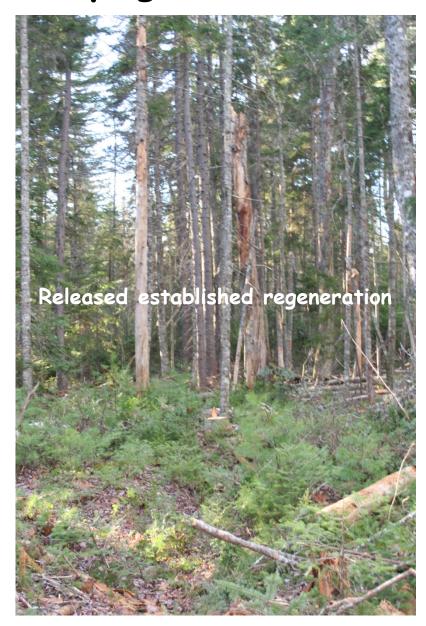


- · Educational opportunity for trail users, see prior harvest forest conditions
- ~ 50% Stems dead
- Fire hazard, trail maintenance issues

Harvest focused on diversifying the forest







Enhanced Wildlife Opportunities





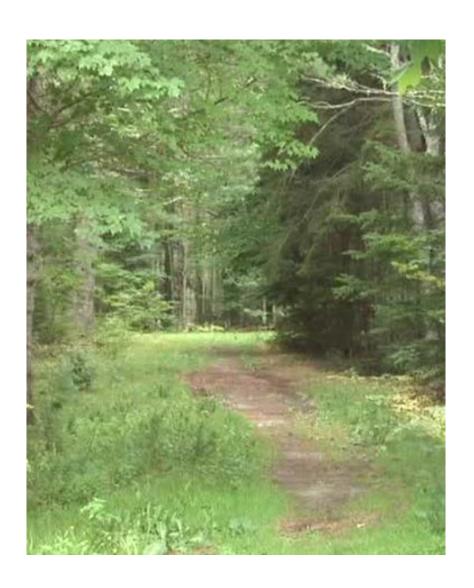




Next Steps & Recommendations from Joshua Torrence

- More light harvesting will be planned to meet Woodlawn Museums objectives
- Have a forest management plan prepared prior to harvesting.
- Find professionals you trust and you have a good working relationship with to work with.

Questions or Comments?



MATAWEYU TREE FARM "it extends out into the water"



MATAWEYU TREE FARM

Main reasons for ownership of woodland

- Privacy
- Enjoyment of "taking care of the woods" (Thinning, pruning, removing dead and dying)
- Health benefit "Good for blood pressure"
- Improving the woods by practicing multi-resource management (Tree Farm = Wood, Water, Recreation, Wildlife)
- Investment (They're not making any more of it)
- Income from wood harvesting is low priority, protecting or improving AESTHETICS or BEAUTY of the property is more important.

"There is nothing I like more than going out and admiring my white pines"



"I get a lot of enjoyment out of taking my grandkids on hikes to see the large trees."

-Roger Clapp

How I prepared/planned to manage my property

- Small Woodland Owners Association of Maine (SWOAM), newsletters and chapter meetings
- Adult Education Woodlot
 Management Course Maine Forest
- Walk and Talk with MFS District Forester
- Worked with consulting forester Teresa Davis to have a forest management plan prepared for the property
- Study different objectives landowners have for their land and options to meet those objectives
- Research different loggers and their logging operations



Property purchased 2002, Written Forest Management Plan prepared by Consulting Forester Teresa Davis 2007

WoodsWISE -INCENTIVES TO STEWARDSHIP ENHANCEMENT

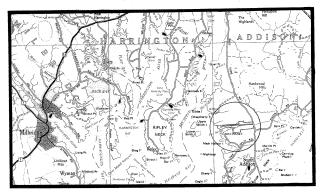
FOREST MANAGEMENT PLAN

ROGER S. AND JUDITH M. CLAPP PO BOX 306 ADDISON, MAINE 04606 207-483-2029





TAX MAP 19, LOT 7 1169 EAST SIDE ROAD TOWN OF ADDISON WASHINGTON COUNTY STATE OF MAINE



Prepared By:

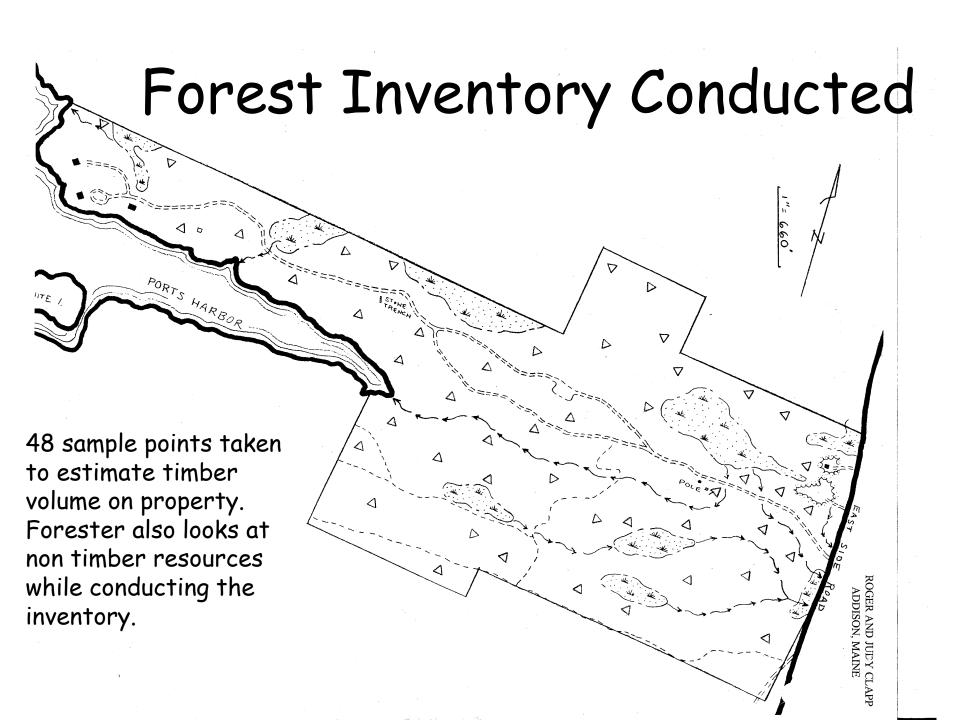
Teresa L. Davis
72 Floods Pond Road
Otis, Maine 04605
Licensed Professional Forester #1094
207-537-3432

- A forest management plan is a written document that outlines:
- Landowner goals and objectives
- Current condition of the woodland and potential for future benefits
- Possible actions to achieve landowner objectives
- Environmental laws that may apply

MATAWEYU TREE FARM Landowner Objectives

- Improve the health and vigor of their forest stands.
- Harvest wood on a sustained basis.
- Protect aesthetic value of the property especially along the driveway and house.
- Practice Timber Stand Improvement in overcrowded small pole stands.
- Enhance and/or protect wildlife habitat.
- Protect soil and water resources.
- Add more hiking trails through time.





Inventory Results

Timber Volume and Stumpage Value:

PULPWOOD

Species	Cords/Acre	Cords/Stand	
Balsam fir	4.0	920.0	
Red spruce	5.0	1150.0	
Red maple	4.0	920.0	
White birch	1.5	345.0	
Total	14.5	3335.0	

STUDWOOD

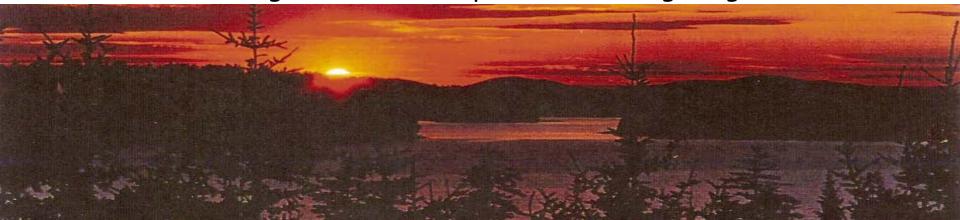
Species	Tons /Acre	Tons/Stand	
Balsam fir	1.0	230.0	
R. & w. spruce	4.2	966.0	
Total	5.2	1196.0	

SAWLOGS

Species	MBF /Acre	MBF /Stand	
Spruce	1.800	414.000	
Total	1.800	414.000	

Management Plan Recommendations

- Follow shoreland zoning regulations along shore and wetlands.
- Create mini clearcuts on acreage where overstocked pole stands are present and trees are incapable of responding to release due to poorly formed crowns.
- Implement a single tree or small group selection harvest in other areas to remove the poorest quality wood.
- Between Port's Harbor and the house site harvest most mature trees, no more than 10%.
- Target the removal of dead and dying balsam fir.
- · Release quality crop trees.
- Leave wildlife trees.
- Operate when the ground is frozen or dry.
- · Create clearings around white pine to encourage regeneration.



Planning Complete, Time to Implement the Plan

- Waited 3 years due to ground conditions, markets, and available loggers. <u>BE PATIENT!</u>
- · Harvested Summer 2010











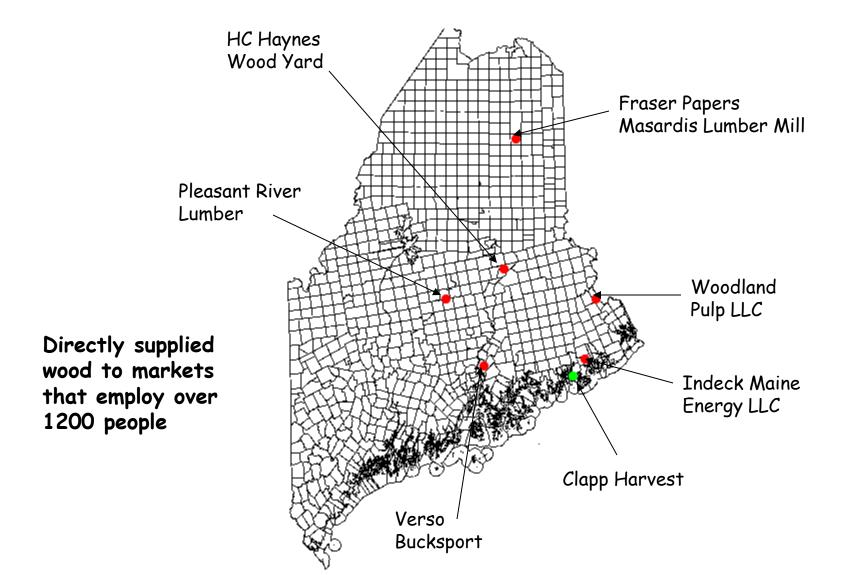




"I was pleased that I was helping the forest products industry" - Roger Clapp



Over the 11 week harvest 5 different products went to 6 different mills



MATAWEYU TREE FARM Next Steps

- Conservation easement w/US F&WS and Maine DIF&W
- Timber Stand Improvement (TSI)
- Salvage blowdowns
- Plant for aesthetics and wildlife (oak, beech, tamarack, hemlock)
- Trail construction and maintenance

Questions or Comments?

Smith Property, Tremont



- Landowner: Rick Smith
- 15 acres
- Enjoy privacy
- Sense of living space that is "alive", clearings for butterflies, gardens, pond attracts different bird species.
- Forest fire is a major concern.

Blow downs and standing snags were a concern to the landowner as a fire hazard.



Woodland Restoration Inc. hired to reduce fuel load



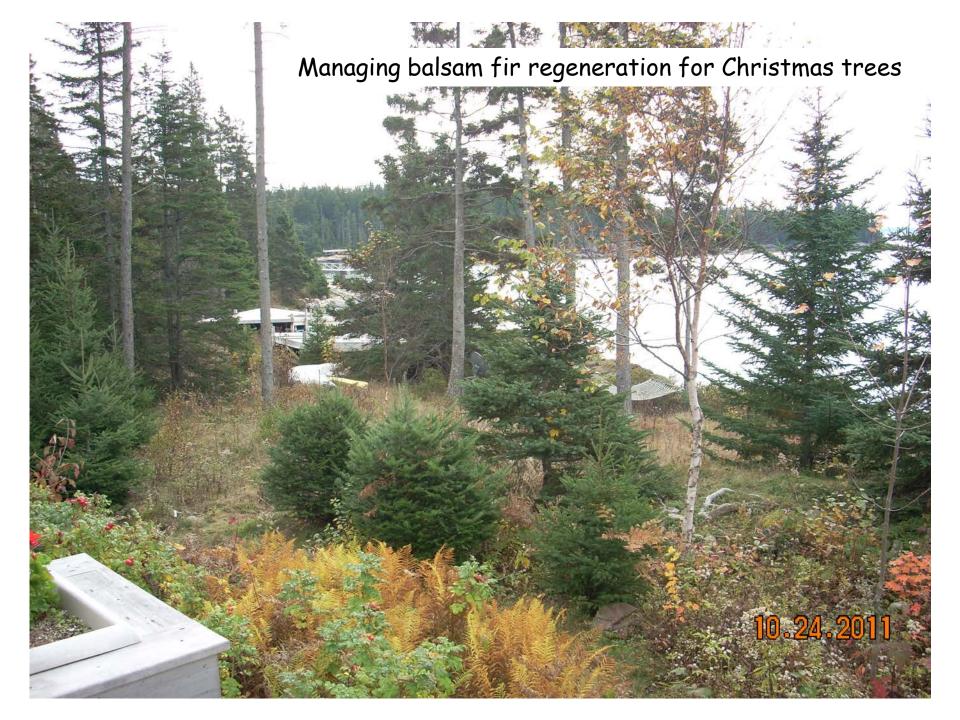


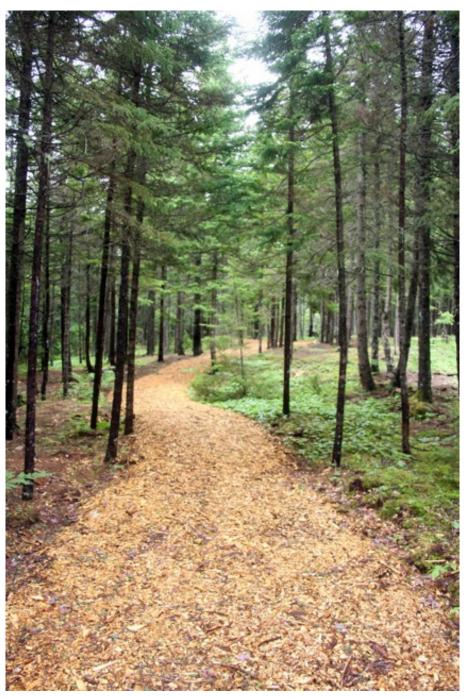








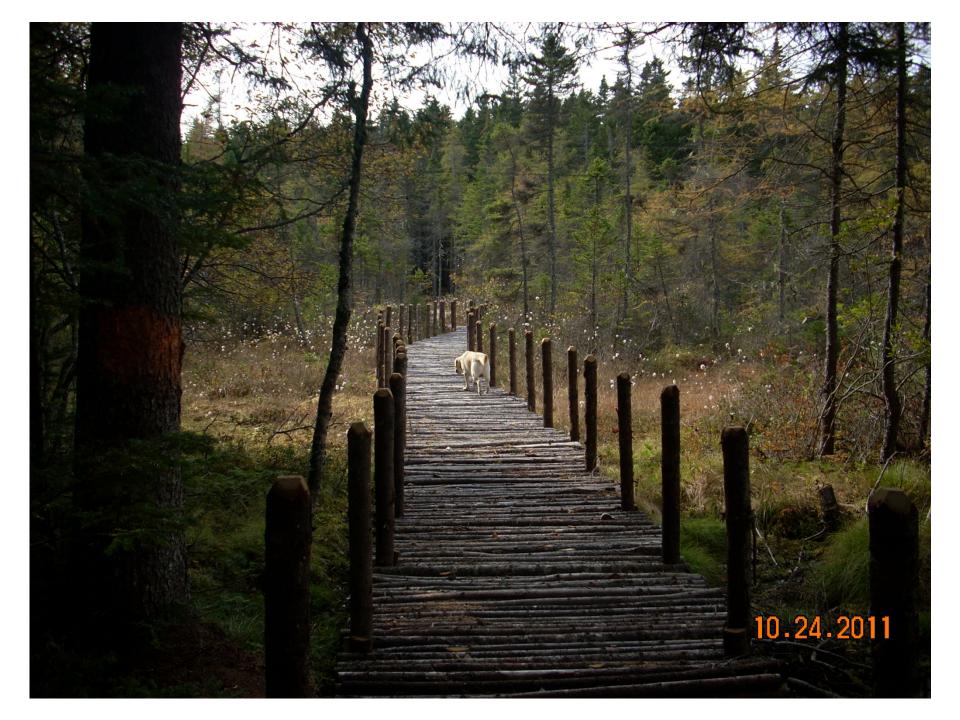




- Had cook out to influence neighbors to implement similar practices on their property to reduce fire hazard (7 owner association, 150 acres).
- Association hopes to have a conservation plan prepared that will cover all properties (fuel load reduction, managing for regeneration, aesthetics, recreation, wildlife).
- Intensity of work has varied on properties, but all have reduced fuel load.













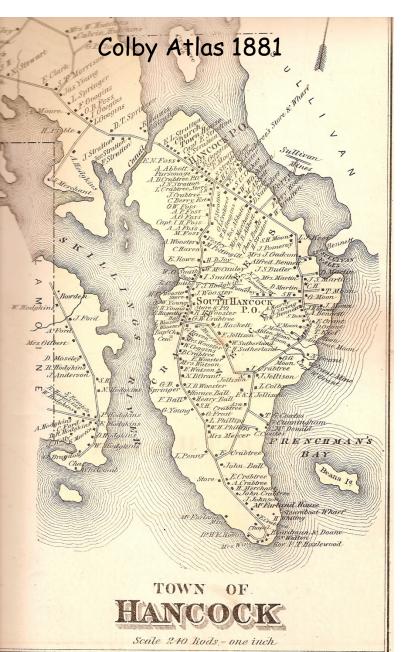


Recommendations from Rick Smith

- Become informed about fire hazard and biodiversity.
- Management can make you feel like you have more acreage that is useable.
- Bring in appropriate professionals to assist you in implementing your projects. (DEP, MFS, ANP, UMaine Cooperative Ext., Woodland Restorations Inc., foresters)

Questions or Comments?

Kief-Wilbur-Leland-MacDonald Property







5th generation landowner, actively managing land connects me with relatives I never met.



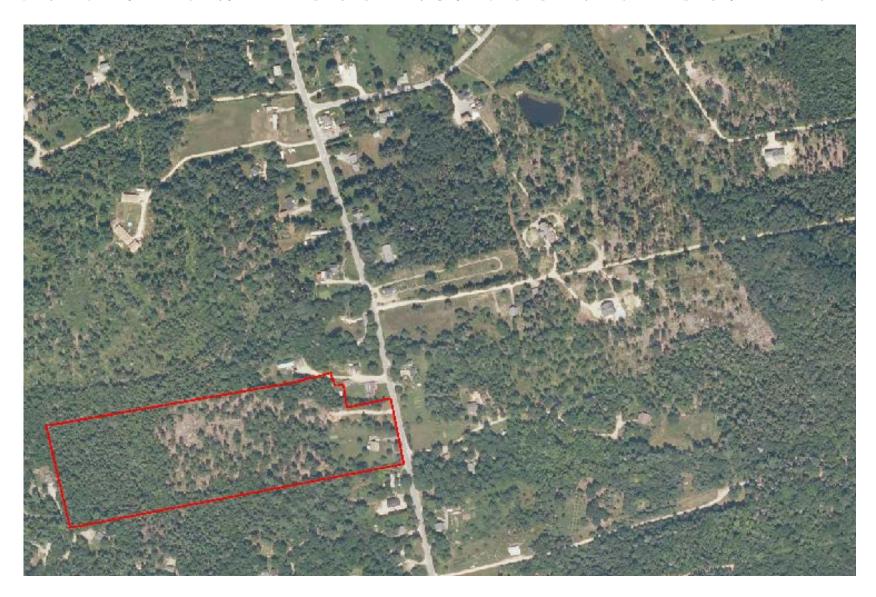
Kief-Wilbur-Leland-MacDonald Property



6-Acre Harvest Spring 2008



Small harvest possible due to other harvests across the street



2008 Biomass Harvest



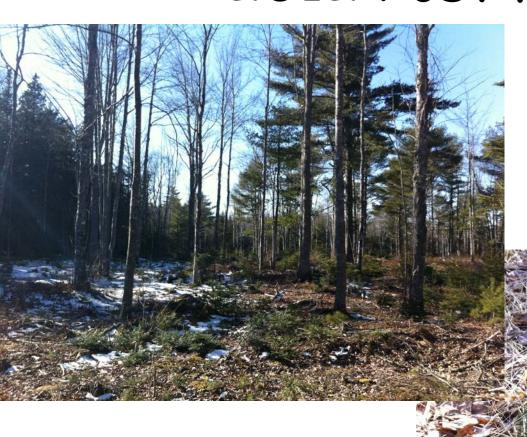
Reasons for harvest:

- Improve the aesthetics of the stand and develop access.
- -Remove diseased balsam fir and mature spruce.
- Thin stand to establish white pine regeneration.
- Thin stand to make hardwood firewood more accessible.





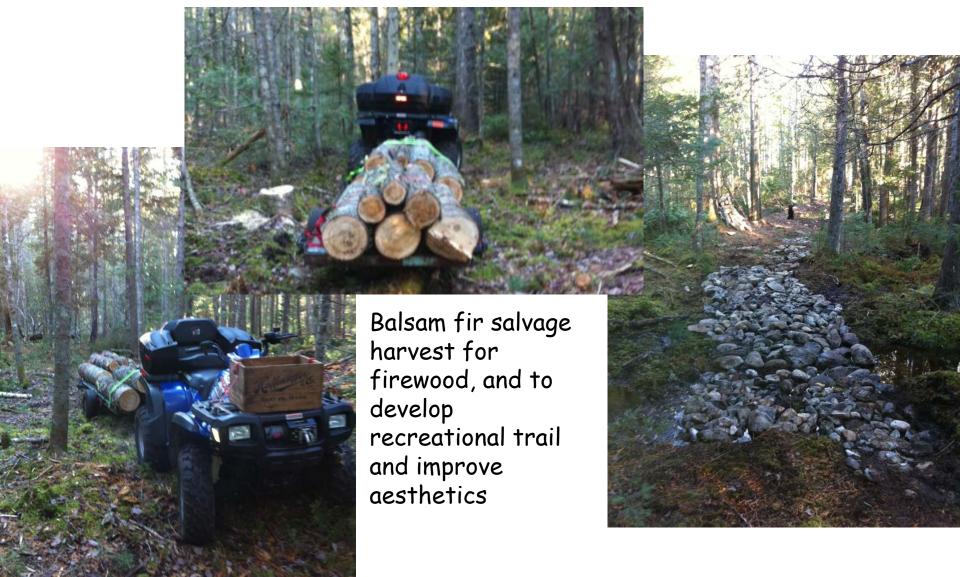
2012 Post Harvest



May harvest red maple firewood as regeneration becomes established.

Favor white pine in the future. Monitor white pine for white pine weevil.

Four Wheeler Logging



Enjoy the forest with the next generation!





Recommendations

- Forests are always changing, practices implemented today can improve the forest for tomorrow.
- You can have both a commercial harvest and harvest yourself.
- If have a small property and a light commercial harvest would benefit your property talk to your neighbors about harvesting at the same time to increase volume for logger.
- Consider other forms of stumpage payment from the logger that will improve your property (firewood, road work, trail work, chipping)
- If leaving a legacy is important to you involve as much of the family as possible in decisions and projects, especially future generations.

Questions or Comments?