



Integrating Science and Experience into Silvicultural Prescriptions and Forest Research

An Exploration / Discussion / Workshop
June 14-15, 2007

Sponsored by
The Central Cascades Adaptive Management Partnership
Eugene Bureau of Land Management
Willamette National Forest
PNW Research Station
Oregon State University
H.J. Andrews Experimental Forest

Hosted by:
The Gifford Pinchot National Forest Headquarters,
Vancouver, WA

Integrating Science and Experience into Silvicultural Prescriptions and Forest Research *An Exploration / Discussion / Workshop* June 14-15, 2007

Where: Gifford Pinchot National Forest Headquarters, Vancouver, WA

Sponsors: The Central Cascades Adaptive Management Partnership (consisting of the Eugene BLM, Willamette National Forest, PNW Research Station, Oregon State University, and the H.J. Andrews Experimental Forest)

Intended Audience:

- Those who give input to forest management prescriptions
- Those interested in the developing science of silviculture
- Forest managers interested in the foundation for the decisions they make
- Forest management researchers
- Silviculturists, foresters, planners
- Wildlife biologists, hydrologists, fisheries biologists, soil scientists

Application:

Oregon, Washington, and Alaska.

Intent of 2 days:

Day one will consist of presentations from 6 silviculturists who will share their *cutting-edge* prescriptions, highlighting assumptions they used, the science incorporated, and tools for success or barriers to interests. Each presentation will be followed by a facilitated discussion of assumptions, available science, information gaps, etc.

Day two will provide an opportunity to refine information needs and identify researchable questions, exchange sources of existing scientific information relating to needs, and communicate how the range of silviculture studies coordinated by the PNW Research Station can benefit current and future forest management decisions. More in-depth discussion will occur on solutions to barriers and tools for success.

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Final Agenda - June 14, 2007, Day 1

TIME	TOPIC	SPEAKER
0900 - 0915	Welcome!	Cheryl Friesen, Science Liaison, Willamette National Forest
0915 - 1000	Cat Creek Restoration Thin. <i>Gifford Pinchot National Forest, Cowlitz Valley Ranger District</i>	Andrew Larson, Univ. of Washington and Derek Churchill, Conservation Northwest
1000 - 1045	Curran Junetta Commercial Thin. <i>Umpqua National Forest, Cottage Grove Ranger District</i>	Suzanne Schindler, District Silviculturist
1045 - 1115	Break - refreshments/coffee provided	
1115 - 1200	Non-commercial thinning in a Late Successional Reserve. <i>Eugene Bureau of Land Management</i>	Rich Kelly, Silviculturist
1200 - 1330	Lunch On Own	
1330 - 1415	Thinning industrial plantations 5 - 50 years old. <i>Ellsworth Forest Preserve and Willapa Bay National Wildlife Refuge, Washington</i>	Bill Lecture and Dave Rolth, The Nature Conservancy
1415 - 1500	Railsiding Understory Thin. <i>Sol Duc Valley, Olympic National Forest</i>	Verne Farrell, Silviculturist
1500 - 1530	Break - Refreshments provided	
1530 - 1615	700 Road Ecological Thinning Project <i>Cedar River Municipal Watershed</i>	Rolf Gersonde, <i>Seattle Public Utilities</i>
1615 - 1630	Wrap - up and thoughts for Day 2	

Integrating Science and Experience into Silvicultural Prescriptions and Forest Research Final Agenda - June 15, 2007, Day 2

Day 2 will unfold through a series of "science translations." Prior to the workshop, a pair consisting of one researcher and one senior silviculturist will be assigned to each project presented on day one. They will give presentations on day 2 that discuss:

- a) How were scientific sources of information and tools used?
- b) Are there previously unknown or overlooked sources of information or tools to address identified project needs and help resolve barriers to success?
- c) Can the needs identified for information and tools be translated to researchable questions?

These discussions will produce a list of current and future scientific information and tools needs, and will feed into the PNWRS Ecological Silviculture process.

Day 2 will conclude with a discussion by researchers and practitioners focused on:

- 1) Recognizing common needs across projects and whether those needs can be translated into a researchable issue.
- 2) Identifying various approaches to addressing needs for scientific information and tools (e.g., literature reviews, case studies, experiments).
- 3) Familiarizing practitioners with some of the issues, opportunities or constraints surrounding the potential for research to meet their needs.
- 4) Identifying reasonable expectations from research and the potential roles for practitioners and researchers in developing a base of silviculture knowledge and tools to meet local or regional needs.

Integrating Science and Experience into Silvicultural Prescriptions and Forest Research Final Agenda - June 15, 2007, Day 2

TIME	TOPIC
0800 - 0830	Welcome / intent of the day and Overview of Large-Scale Silviculture Studies. <i>Paul Anderson, Research Forester, PNW Research Station</i>
0830 - 0900 <i>Connie Harrington, PNW Research Station and David Kendrick, Vegetation Program Manager, Mt. Baker Snoqualmie NF</i>	Reflections on Cat Creek Thin: <ul style="list-style-type: none"> ▪ Accelerating development of large trees ▪ Accelerating growth of advanced regen ▪ Preventing stagnation and mortality of intermediates and co-doms ▪ Maintaining fine-scale heterogeneity
0900 - 0930 <i>Nathan Poage, PNW Research Station and Nancy Lankford, Forest Silviculturist, Mt. Hood NF</i>	Reflections on Curran Junetta Thin: <ul style="list-style-type: none"> ▪ Reducing tree density in 2nd growth ▪ Restoring species and structural diversity ▪ Improving condition class ▪ Improving stand fire resiliency
0930 - 1000 <i>John Bailey, OSU and Lori Blackburn, Forest Silviculturist, Umpqua NF</i>	Reflections on Non-commercial thinning in an LSR: <ul style="list-style-type: none"> ▪ Reducing tree density and increase variability of tree spacing ▪ Developing snags and coarse woody debris ▪ Developing understories of shade tolerant conifer species ▪ Restoring riparian conifer density
1000 - 1015	Break
1015 - 1045 <i>Nathan Poage, PNW Research Station, and Norm Michaels, Forest Silviculturist, Willamette NF</i>	Reflections on thinning 5-50 year old plantations: <ul style="list-style-type: none"> ▪ Restoring forest to coastal old growth conditions ▪ Dealing with wind events
1045 - 1115 <i>Bob Deal, PNW Research Station and Joe Gates, Forest Silviculturist, Gifford Pinchot NF</i>	Reflections on RAILSIDING Understory Thin <ul style="list-style-type: none"> ▪ Developing terrestrial habitat in a twice-commercial thinned stand of DF and WH ▪ Dealing with recalcitrant understory of hemlock ▪ Opening understories and reintroducing or preventing the exclusion of herbs and shrubs ▪ Allowing retention of full crowns and encourage diameter growth of residual understory hemlock ▪ Developing stands/3 distinct canopy layers
1115 - 1145 <i>Paul Anderson, PNW Research Station and Norm Michaels, Forest Silviculturist, Willamette NF</i>	Reflections on 700 Road Ecological Thinning <ul style="list-style-type: none"> ▪ Development of late-successional forest structures ▪ Proportional thinning, independent target diameter distributions for each species, skips and gaps ▪ Management for the supply of a safe and secure water resource ▪ Using intensive stakeholder involvement processes
1145 - 1230	Discussion of Additional Issues of Interest ---- ADJOURN

SPEAKER CONTACT INFORMATION

Feel free to contact participants after the Workshop!

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