

## Stand Management Cooperative Annual Spring Meeting

May 8<sup>th</sup> 2013

Heathman Lodge, Vancouver, WA

### ATTENDEES

**Bureau of Land Management**, George McFadden; **Campbell Group**, Dave Hamlin; **Cascade Timber**, Bill Marshall; **Green Diamond Resource Company**, Randall Greggs, Steve Loy; **Hampton Resources**, Dennis Creel; **Hancock Forest Management**, Bruce Ripley, Dean Stuck; **Lone Rock Timber Co.**, Chris Sexton; **Longview Timberlands LLC**, Andy Hopkins; **Olympic Resource Management**, Sean Garber, Scott Holmen; **Oregon Department of Forestry**, Tod Haren; **Oregon State University**, Doug Maguire, Doug Mainwaring; **Plum Creek Timber Co.**, Steve Gravelle; **Port Blakely Tree Farms**, Chris Lacy; **Quinault Indian Nation**, Jim Plampin; **Rayonier Forest Resources**, Candace Cahill, Mark Hebert, John Paul McTague; **Roseburg Forest Products**, Sara Lipow, Mark Wall, Roberto Volfavicz-Leon; **Sierra Pacific Industries**, Tom Nelson, Josh Misenar; **Stimson Lumber Co**, Margret Banks, Roger Van Dyke; **TimberWest**, Andres Enrich; **University of Washington**, Greg Ettl, Stephani Michelsen-Correa, Bob Gonyea, Rob Harrison, Jason James, Megan O'Shea, Eric Turnblom; **University of BC**, Bruce Larson; **USFS PNW RS**, Connie Harrington, Tim Harrington, Daryl Lederle; **Washington DNR**, Scott McLeod; **Weyerhaeuser Company**, Scott Holub, Dave Marshall

The meeting was at the Heathman Lodge, Vancouver, WA beginning at 9:00 AM with the agenda in Appendix A. There were 42 attendees from 24 organizations. Policy Committee Chair Dean Stuck opened the meeting welcoming the attendees and introduce Candace Cahill as Vice-Chair. After introductions Dean touched on the changes in the past eighteen months including Dave Briggs retirement, renewing TAC and PAC meetings after several years of minimum meetings, SMC Director Greg Ettl's shift towards more discussion and focus, defined formats for RFP's, working towards addressing members desire for analytical analysis of the data while also acknowledging the budget has limited leeway to currently accomplishing this. Dean asked members to think of ways to better leverage SMC's limited resources and to pay attention to the University and any changes to staff policies, or directions that might affect the coop, positively or negatively. Director Ettl welcomed SMC's newest member Sierra Pacific Industries (SPI) Tom Nelson, Washington Regional Manager gave a brief overview of SPI and stated their interest in fertilization response near their 80,000 ac Ryderwood and 100,000 ac Hamilton tree farms. Greg Ettl outlined the meeting objectives:

### ACCOMPLISHMENTS 2012 at a glance

- Member visits
- Meetings
  - Policy Advisory Committee (PAC) Meetings

## Draft Minutes 2013 SMC Spring Meeting

- Installation Review Committee (IRC)
- Review Measurements Approach Committee (RMA)
- Technical Advisory Committee (TAC)
- CAFS Annual Meeting, St. Simons Island, Georgia
- Technical Reports
  - TACs
  - OSU
  - PNW Research Station
  - UW graduate students
- Research for Proposals (RFP)
- Review 2013 plans

### BUDGET

- Carried over \$17,910
- Added Sierra Pacific, (\$20,000 in dues), lost Renewable Resources (\$8,442) and \$14,702 in dues from Weyerhaeuser and BLM due to a reduction in Weyerhaeuser's acreage.
- Some public land agency uncertainty with sequester
- We will have a carryover of most likely between \$20,000 and \$40,000
- We might need to adjust spending down
- Requests for Proposals (RFP) may be tied to funds

### SMC UPDATES since 9/2012

- The measurements will be complete this week for 2012-2013 measuring season
- Data will likely be available for distribution July 1
- Process in place for new research projects
- TAC Meetings to discuss research
- Request for proposals, feedback from PAC, revisions, discuss today
- CAFS Annual Meeting, St. Simons Island, Georgia

### TECHNICAL REPORTS

#### Wood Quality TAC Report: Eric Turnblom presenting for Eini Lowell

LOGS Study Update: CJFR manuscript to be submitted May 2013 for special issue from IUFRO conference last July, *Modeling regional and climatic variation of annual wood quality attributes in intensively managed Douglas-fir forests in the Pacific Northwest*. Abstract offered to IUFRO, *Measurement methods and Modeling approaches for predicting desirable future Wood properties*, Nancy, France, October 2013. (Appendix B)

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### Paired Tree Study SMC-CIPS:

- Wood quality work started on two high responding CIPS sites (Sweet Home and Vernonia Oregon)
- SMC – OSU CIPS – PNW cooperative effort
- Graduate student (MS) Luyi Li working on project with Eric Turnblom

Northwest Advance Renewables Alliance: This is part of a larger AFRI (Agriculture and Food Research Initiative) grant to produce aviation jet fuel from biomass that has both a westside and eastside feedstock component. Feedstock team testing Douglas-fir trees from SMC Type I installation buffer zones, next step, logging slash (tops and limbs) from west side Douglas-fir forests in Oregon and Washington the focus of raw material supply for the next pilot supply chain coalition.

On behalf of Eini, Eric asked members if the WQ TAC was really needed or should it be combined with one of the other TACs, the general consensus was to keep the TACs as is. Otherwise, proposed strategy for 2013 is to continue to work with other TACs to build in wood quality components (e.g. Agenda 2020 paired tree study) and work with academic intuitions to support graduate students interested in wood quality projects.

### **Nutrition TAC Report-Rob Harrison**

Presentations related to the SMC Nutrition TAC included the SMC Type V (Paired Tree) study, the 15N study, and the ongoing LTSP (Fall River) study, Paired Tree Study and 15N: Jason James (MS) and Stephani Michelsen-Correa (PhD), and two presentations at CAFS, five at NAFSC, five at SSSA, other conferences and meetings. (Appendix C).

Former MS student Austin Himes, (now working for Greenwood Resources) thesis *Risk to Long-term Site Productivity Due to Whole-tree Harvesting in The Coastal Pacific Northwest* has been accepted to Forest Science with rewrite, (minor and “no edits”).

### Funding highlights

- \$20K NCASI for 2013
- Approximately \$300K/y equiv. TA/Gessel fellowships greatly increased
- Partial salary buyback by UW Extension for Rob .5 months
- Funding of \$195,000 for 15N work, Fox et al. will pay for 15N and analysis for SMC paired-tree sites; rated #1 in all of proposals presented at CAFS meeting this year
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### Student Updates

## Draft Minutes 2013 SMC Spring Meeting

1. Erika Knight (MS) thesis, Harvest intensity and competing vegetation control have little effect on soil carbon and nitrogen pools in a Pacific Northwest Douglas-fir plantation
2. Betsy Vance (MS) thesis, Investigating the ecological requirements of *Hackelia venusta*: an examination of the soils and their potential influence on the limited distribution of one of Washington States most endangered species
3. Three graduate students added in 2012 continuing in 2013: Stephani Michelsen-Correa (PhD), Jason James (MS) and Marcella Menegale (PhD). Three new to be added, Christiana Dietzgen (PhD), Erin Burke (MS) and Matt Norton (MS).

### Modeling TAC Report-Dave Marshall

Dave said he did not have anything to report at this time.

### Silviculture TAC Report-Eric Turnblom

Presentations related to the SMC Silviculture TAC included the CAFS Project: WQ Traits in GGTIV, (contributors include Dave Briggs, Eini Lowell, Keith Jayawickrama, CL Huang, Jeff Cornick, J Brad St Clair and Terrance Ye.), updates on the Browser-based Yield Calculator and SMC Silviculture Project Type I, II and III installations performance in terms of yield and increment. (Appendix D).

### Student Updates

1. Kevin Ceder, Ph.D. Candidate, Modeling vegetation dynamics in young, managed coastal Douglas-fir forests
2. Luyi Li, pursuing M.S., Douglas-fir wood quality properties in response to soil parent material and fertilization

Eric provided a copy of Jed Bryce's Project Progress Report on *The Effects of Planting Density on Branch Size with Linkages to Wood Quality*, (Appendix E).

### Potential member benefits

- With basic tree-level descriptors managers have a good idea of how big the branches on the butt log will grow, which can help with planning
- Mills can use the information of varying densities and knot sizes to see if they are hitting targets for specific markets and lumber grades
- The model will be able to be used in growth and yield simulators to help create a continuum between silviculture and the forest products produced
- Previous studies from the SMC will allow DLLBH information to be connected to LLAD to get a full view of the potential product recovery

## **TECHNICAL REPORTS cont.**

**PNW Research Station**, Tim Harrington, *Matlock and Molalla long-term soil productivity studies* (Appendix F).

**Oregon State University**, 1) Doug Mainwaring, *Summary of current results from the Giustina fertilization trials*, 2) Doug Maguire, *CIPS development of modifier functions for estimating direct effects of respacing, thinning, and fertilization on individual-tree*, (Appendix G).

**UW Graduate Students**, 1) Jason James, (MS, Harrison), *Status of paired-tree study for predicting response to fertilizer*, 2) Stephani Michelsen, (PhD student, Harrison), *15N tracer to track fate and efficiency of N fertilizer*, (Appendix H).

## **RESEARCH FOR PROPOSAL**

Two proposals were submitted in response to the RFP vote at the 2012 fall meeting

1. Eini Lowell, Wood Quality Project Leader, Wood Quality Measures of Trees from SMC/CIPS Paired-Tree Fertilization Projects, (Appendix I).
2. Eric C. Turnblom, Silviculture Project Lead, Stand and tree response to varying timing and intensity of Pre-Commercial Thinning, (Appendix J).

A motion was made by Scott Holem to fund Eric Turnblom's project without any financial component, (Project Description/Objectives: 2a), Margaret Banks second it.

Vote: Yes 15, No 2, Abstain 1. The motion passed.

Members expressed an interest in extending and enhancing the Paired-tree Project, Rob responded by saying his current teaching load is such that he isn't able to commit more time to a new Paired-tree Project.

## **2013 PLANS**

- Working toward SMC products
- Field Measurements (Appendix K)
- Separate TAC Meetings for Nutrition and Silviculture June/July 2013
- RFP Continuation August 2013
- Budget
  - Sequester cuts may possibly impact BLM's membership with the SMC
- SMC September fall meeting

## Draft Minutes 2013 SMC Spring Meeting

- Location: Vancouver WA, September, 16<sup>th</sup> or the 17<sup>th</sup>
- Structure, any interests in a half day workshop
  - Using the Type I, II, III models web interface
- Other Meetings, Conferences, & Workshops
  - XXIV IUFRO World Congress Oct 5-11, 2014 Salt Lake City, Co locating with SAF Meeting.  
[www.iufro2014.com](http://www.iufro2014.com)

The meeting adjourned at 3:30.