

A photograph of a dense forest with tall, thin trees and a blueish tint, serving as a background for the title.

COASTAL SILVICULTURE COMMITTEE

***“Is Silviculture a true Team Sport?”
Exploring New Information,
Collaboration and Professionalism***

***2018 Winter Workshop
Vancouver Island University
February 28th, 2018***



Acknowledgements

The Coastal Silviculture Committee (CSC) wishes to thank the following people for contributing their time and efforts in organizing the 2018 Winter Workshop:

- Margaret Symon (Workshop Chair)
- Doug Corrin (VIU org)
- Shaun Mason
- Tyler Rochon
- Neil Hughes
- Craig Wickland
- Chelsey Toth
- Dave Weaver (Workshop Co-chair)
- Don Pigott
- Jack Sweeten
- Lauchlan Glen
- Jocelin Teron (webmaster)
- Jacob Bapty

The CSC would also like to thank Vancouver Island University for the venue.

Finally, on behalf of the CSC, the organizing committee would like to thank all the presenters for taking the time out of their very demanding schedules and lives to share their experience and knowledge with the rest of us.



“Is Silviculture a true team sport?”

Can we expect better silvicultural outcomes through collaboration?

The CSC Winter Workshop will tackle this challenging silviculture issue like a “team player” - by exploring new information and ideas about professional collaborative efforts to improve the silvicultural scorecard. In any trial or research exploration, the key is defining the problem. Many questions need to be asked - collaboration and communication are vital. The CSC Winter Workshop will try to provide answers.

The “players’ roster” for the CSC Winter Workshop includes a diverse, professional team of presenters who will discuss the challenges and successes of silvicultural trialling, research, and integrated planning. How has a multi-agency team worked together to find solutions to address elk damage? How can “cross border shopping” and collaboration between research neighbours, improve stand management? How can trial learnings support implementation of research outcomes and help licensees get comfortable using new tools in practise? Where is the current professional reliance review going to land and what are the implications for silviculture? Where are integrated investment planning and carbon sequestration going to lead us?



2018 Coastal Silviculture Committee (CSC) Winter Workshop – Feb. 28, 2018
Vancouver Island University – Building 355 Room 203/211

<i>“Is Silviculture a true Team Sport?”</i> <i>Exploring New Information, Collaboration and Professionalism</i>			
Times	Topic Theme	Specific Topic Details	Speakers
9:00 am	Workshop Chair Welcome	Introductions, Safety, Washrooms, CSC committee, Agenda, First Speaker	Margaret Symon Chair Dave Weaver Co-Chair
9:15 am	Collaborative Solutions Dialogue about Elk Damage in the Campbell River Area <i>“Welcome Alder & Pw”</i>	Achievements by government and local licensees to resolving Elk damage issues with alternative approaches	John Andres RPF Retired FLNRO <i>and</i> Taisa Brown WFP Intro Dave
10:00 am	Coffee Break		
10:30 am	Professional Reliance Review in Government <i>“Where is it going to land”</i>	Current status of inter-governmental review – implications for silviculture.	Naomi Palulis MoECCS Intro Don
11:10 am	Raising the profile of the lowly Hemlock <i>“Team Conifer’s Benchwarmer”</i>	Further review of our most <i>mis-appreciated</i> species.	Paul Bavis RPF WFP Intro Craig
11:45 am	CSC Business Meeting and Awards		Jack Sweeten CSC Finance & Doug Corrin VIU
12:00 am	Lunch	Room 211	
1:00 pm	Silviculture Trialling - <i>“How to incorporate trial learnings into day to day practice”</i>	Open Discussion: Trial Design; Flexibility; Barriers; Risks & where are the learnings best kept?	Darius Bucher RPF Integral Forest Management Intro Jack
1:35 pm	Update on the Stand Management Coop <i>“Cross border shopping”</i>	Fertilizer module and collaboration in silviculture – BC & Washington State, Government & Industry.	Eric Turnblom University of Washington, Lead of Coop Intro Neil
2:10 pm	Coffee Break		
2:25 pm	Forest Investment <i>“An Integrated Approach”</i>	Example of collaboration projects within the Forest Enhancement Society of BC	Melanie Plett and Arron Smeeth FLNRORD Coast Region Intro Craig
3:00 pm	Today’s Workshop Summary & Intro CSC Summer 2018	Campbell River June 6 and 7 th 2018	Dave Weaver and John Andres
3:35 pm	Miller Time!!		

Collaborative Solutions Dialogue about Elk Damage in the Campbell River Area “Welcome Alder & Pw”

9:15

Name: John Andres, RPF (ret) MoFLNRO

Affiliation: None now

Responsibilities: House work

Academic training: BSc Forestry

Previous employment: John has worked 31 years for the BC government - the last 20 in Campbell River as Stewardship and Tenures Officer. His duties included Land use planning for biodiversity, wildlife, visuals, recreation, log handling; timber supply reviews; working with new First Nations forest tenure holders; promoting collaboration and fun whenever possible.



Name: Taisa Brown RPF

Affiliation: Western Forest Products

Position: Field Forester

Responsibilities: Growing trees in the midst of elk

Academic training: BSF (UNB)



ABSTRACT:

Life just seems to go better when we find ways to work together. The relationships we build provide these opportunities for collaboration where we can develop some surprisingly innovative solutions to challenges we face at work that we might not have been able to figure out on our own.... And it's (usually) more fun. This talk will focus on some of the collaborative approaches used in recent years to address elk damage while promoting increased planting of 'non-host' species such as alder and white pine.

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Professional Reliance Review in Government

“Where is it going to land”

10:30

Name: Naomi Palulis

Affiliation: Ministry of Environment & Climate Change Strategy

Position: Senior Policy Advisor / Professional Reliance Review

Responsibilities: MoE Professional Reliance Review

Academic training: BSc in Geography and Environmental Studies from UVic,

Previous employment: Worked with the Ministry of Energy, Mines and Petroleum Resources in the Mining and Mineral Resources Division

ABSTRACT: Update on the Provincial Professional Reliance Review

The Ministry of Environment and Climate Change Strategy is conducting a review of the professional reliance model in the natural resource sector to ensure the highest professional, technical and ethical standards are being applied to resource management in B.C. This review is a priority for government and is contained in the ministry's mandate letter and in the Confidence and Supply Agreement with the Green Caucus. By spring 2018 a final report will be completed that makes recommendations on:

- Whether professional associations that oversee qualified professionals employ best practices to protect the public interest;
- Whether government oversight of professional associations is adequate, and;
- Conditions governing the involvement of qualified professionals in government's resource management decisions and the appropriate level of government oversight to assure the public and their interests are protected.

We will present a brief update on the objectives of the review and the status of the project overall. Most of the time will be dedicated to answering questions of the CSC participants and engaging in a discussion with the CSC audience on their thoughts on the benefits/risks of the use of PR in FRPA and particularly in silviculture.

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Raising the profile of the lowly Hemlock

“Team Conifer’s Benchwarmer”

11:10

Name: Paul Bavis, RPF

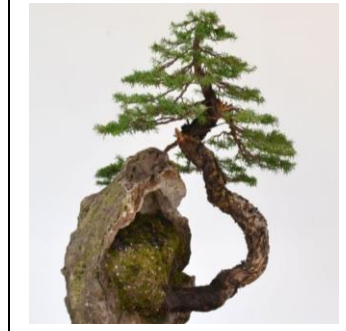
Affiliation: Western Hemlock Products (WHP)

Position: Manager - Silviculture & Reforestation Services

Responsibilities: Seed and seedling production; silvicultural operations and policy advice

Academic training: SIBC 1996; BSF 1986, BSc (botany/zoology) 1979

Previous employment: Nursery manager; manager - policy & practices; regional forester; manager - timber supply & planning; operations forester; project forester; forest engineering assistant; choker man; cat swamper.



ABSTRACT: *Hemlock – Team Conifer’s benchwarmer?*

As the most common, and yet neglected, member of the coastal BC tree family, the hemlock genus does deserve our silvicultural love. Sprinkled with off-the-wall stats and factoids, today’s presentation pokes at some of the reasons for our indifference, investigates whether there are redeeming aspects that may have been overlooked, and suggests policy adjustments and collaborative opportunities to improve both our collective silviculture efforts and the outlook for our perennial coastal underdog.

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Coastal Silviculture Committee Business Meeting Agenda February 28, 2018

Draft Agenda

1. Nominations for Silviculturalist of the Year Award – Jack Sweeten
2. Financial Statement – January 2017 – December 2017
(next page – Jack Sweeten).
3. Student Award Presentations:

Michel Valle - Vancouver Island University recipients;
Norm Caldicott - BCIT recipients:
Alexander Tait, Sarah-Ellen Whitford.
4. Discussion Items – Jocelin Teron:
 - a. Paper or digital booklet preference?
 - b. Update CSC logo?
5. Post Workshop Evaluation – Email Survey (Jocelin Teron), including nominations for Silviculturalist of the year and new directors and poll on changing CSC logo.
6. Adjourn.

FINANCIAL REPORT JANUARY 1 - DECEMBER 31, 2017									
COASTAL SILVICULTURE COMMITTEE									
JANUARY 1, 2017 BALANCE									20282.35
Coast capital savings									7723.61
VIU account									12558.74
CSC BUSINESS COSTS									
Extension Services									
Website Registration Setup Summer 2017									-606.77
Website Domian 5 yr fees									-444.53
Minister of Finance - Society Act Fee									-40.00
									-1091.30
BURSARIES/FINANCIAL SUPPORT									
UBC (Feb 1/17)									-2200.00
BCIT (Mar 7/17)									-1998.00
									-4198.00
WINTER WORKSHOP 2017									
Income									
Registration									11977.12
									11977.12
Expenses									
catering, A/V rental/extension services/MC, Visa									-5340.36
printing costs									-145.60
Silv Award									-73.00
presenters gifts									-15.40
									-5574.36
									6402.76
SUMMER WORKSHOP 2017									
Income									
Registration									12172.74
Teal Jones Donation for lunch									200.00
									12372.74
Expenses									
Best Western room rental and Dinner									-3710.47
snacks									-468.46
bus									-1228.50
lunch BCIT									-1396.50
Loon Lake									-1359.75
presenter gifts									-77.87
booklet printing costs									-518.54
									-8760.09
									3612.65
OTHER									
bank interest									
chequeing									3.31
GIC									7.78
									11.09
DECEMBER 31, 2017 BALANCE									25019.55

Silviculture Trialling

“How to incorporate trial learnings into day to day practice”

1:00

Name: Darius Bucher RPF

Affiliation: Integral Forest Management

Position: Consultant

Responsibilities: For the past 14 years Darius has had the privilege of representing Reforestation Technologies International (RTI) - the makers of teabag fertilizer. His role as the company rep. for RTI has allowed him the ability to travel throughout BC and Alberta, assisting foresters and recreational specialists alike overcome their reforestation challenges in a wide variety of climates on both forestry and mining reclamation sites.

Academic training: BSF from the UBC faculty of forestry

Previous employment:

Practising forest regeneration for 25 years. After being the silviculture forester for Gilbert Smith Forest Products for 9 yrs, he got the itch and went out on his own and established his own forestry consulting company, Integral Forest Management Ltd. He is much too busy to hold a real job and when not promoting fertilizer you'll find him either in the garden amending his soil to create nutritionally dense food or in the woods training with 6 of his kids for cross country ski races during the winter months.



ABSTRACT:

Operational trials can be an excellent tool for assessing the efficacy of a particular silviculture technique. However, despite the potential to obtain excellent information at a relatively low cost, most trials fall apart because of poor trial design and implementation, not to mention a lack of adequate follow-up. Unfortunately, this means any information obtained is of little to no value. This presentation will be about the experiences of a “dirt” forester who has conducted many operational trials in assessing the efficacy of teabag fertilizer over time and has extrapolated some excellent information from them. You’ll quickly find out that proper execution is the key to any successful operational trial.

NOTES

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Update on the Stand Management Coop

“Cross border shopping”

1:35

Name: Eric Turnblom

Affiliation: University of Washington - Environmental & Forest Sciences.

Position: Associate Professor and B. Bruce Bare Chair in Forest Resource.

Responsibilities: Eric teaches classes on Environmental & Resource Assessment and Silviculture. He is the Director and Silviculture Project Lead of the Stand Management

Cooperative - a public-private partnership functioning as a regional research consortium studying silvicultural impacts on Douglas-fir trees, stands, and wood and product quality. He is busy appraising tree and stand characteristics in a 1970's decadal cohort of Douglas-fir plantations in the PNW - analyzing the effects of pre-commercially thinning Douglas-fir stands; studying how Douglas-fir responds to N-fertilization regionally and sub-regionally as mediated by soil characteristics and climatic attributes; and examining how western hemlock and Douglas-fir trees allocate biomass given their growing environment.

Academic training: Eric successfully completed his M.Sc. with the Faculty of Forestry, UBC, and gained his B.S. degree from University of Illinois. He worked as a post-doctoral researcher for the Northern California Forest Yield Cooperative, UC Berkeley after receiving his Ph.D. from the Department of Forestry, College of Natural Resources at University of Minnesota.



ABSTRACT:

The Stand Management Cooperative (SMC), headquartered at the School of Environmental and Forest Sciences (SEFS) at the University of Washington (UW), is a platform for engaging scientists to study the outcomes of silvicultural treatments in Douglas-fir and western hemlock plantations growing in the Pacific Northwest. The SMC has been in continuous operation since it was formed in 1985, when it was recognized that very little long-term data from managed stands of these species were available. The motivation to form the SMC is detailed and a concise history of its development is given. Major SMC accomplishments over its lifespan are briefly demonstrated. A summary of results from several recently completed SMC-driven research studies are presented, and to conclude, progress on currently active SMC member-funded projects is reported.

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Forest Investments: “An Integrated Approach”

2:25

Name: Melanie Plett, RPF, RPBio

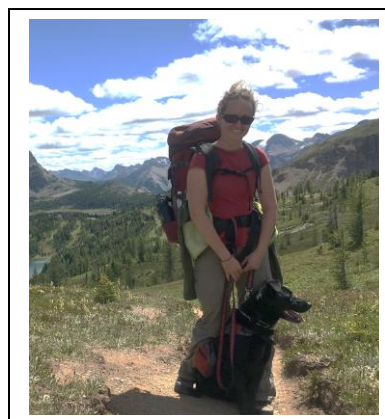
Affiliation: FLNRORD – Climate Change and Integrated Planning Branch

Position: Forest Carbon Technical Advisor

Responsibilities: Technical advice and guidance on climate change and forest carbon management practices; Ministry legislation, policy, procedures and standards development relating to climate change and forest carbon; Forest Carbon Initiative delivery

Academic training: BSNRC-UBC, MFC-UofT

Previous employment: Parks Canada



Name: Aaron Smeeth

Affiliation: Forests, Lands and Natural Resource Operations and Rural Development

Position: Integrated Investment Specialist, West Coast Region

Responsibilities: Coordinate land-based Investments for the West Coast Region

Academic training: B.Sc. Geography/Environment

Previous employment: Campbell River Forest District



Topic and/or Title: Forest Investments: An Integrated Approach

The Province has increased its commitment to land based investments through allocating funds and staff to meet its objectives toward greenhouse gas reductions and supporting healthy forests and ecosystems. Optimizing investments means maximizing the number of objectives met with each dollar spent. Collaboration with industry, stakeholders and First Nations will benefit this goal. The new Integrated Investment Specialists and the Integrated Investment Plan are intended to provide direction and a focal point to frame conversations on land-based investment on the Coast.

There are currently several key initiatives in British Columbia with funding available to support these plans. The Forest Carbon Initiative (FCI) is one of these. It is a provincial scale program designed to help drive climate mitigation efforts by reducing greenhouse gas emissions using a suite of forest carbon management strategies including rehabilitation, fertilization, increased planting density and improved utilization activities. Collaboration projects currently occurring on the Coast include reforestation, fertilization, and road rehabilitation projects.

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