



SOUTH SOUND FARM FORESTRY ASSOCIATION

An Affiliated Chapter of Washington Farm Forestry Association

President: Justin Becker

Vice President: _____

Co-Secretaries: Brian LeTourneau, Norma Green

Treasurer: Bonnie Miller

March 2018 Education Meeting

When: Wednesday, March 14, 2018 – 6:30 p.m. Pizza, 7 p.m. Meeting

What: My Land Plan/GPS Mapping

Who: SSFFA member John Henrikson will demonstrate how to use free online tools and a computer or smartphone to map your landscape and keep your management plan relevant. The American Tree Farm System provides a free software program (mylandplan.org). This program, in combination with free GIS software programs, is an easy way to map roads, trails, water features, etc., on your land and also offers a great opportunity to engage the younger generation in forest management with the latest technology. John will also demonstrate various tools for recording tree farm activity, including photo documentation.

Who: John Henrikson owns two tree farms. His “Wild Thyme Tree Farm” near Oakville has been dually certified by ATFS and FSC for many years. His more recent tree farm acquisition is near Naselle and has a conservation easement which requires FSC management. John is the current co-chair of the Washington Tree Farm Program.

Where: Thurston County Courthouse, Building 1, Room 150, 2000 Lakeridge Dr. SW, Olympia, WA. **Note: For security reasons, the building will now be locked after business hours. The door to room 150 is to the left of the double door entry to the building. We will have a doorkeeper to admit you until the meeting starts at 7 p.m.**

Directions: From the I-5 Freeway take Exit 104 onto Hwy. 101. Take exit for Cooper Point/Auto Mall Drive; follow signs to courthouse: Right on Evergreen Park Dr., Left onto Lakeridge Dr., Right into Court House Parking. Follow driveway to building #1 on left side of complex.

The WFFA Annual Meeting is May 20-22, at Sun Mountain Lodge, in Winthrop, WA.

The theme “Wildfire - Building Community and Forest Resilience” may not appeal to west-siders, but in the past 2 summers, wildfires in Lewis & Thurston Counties have burned timber and homes and reminded us that we are not immune to fires. It promises to be an interesting meeting, and also provides an opportunity to visit a popular tourist destination mid-week and stay at a beautiful lodge for a bargain price.

You should have already received an email or printed announcement of the meeting, but if you didn't, you can access all of the information at the WFFA web site, wafarmforestry.com, or by calling Kelly Zandell, 360-388-7074.

Chapters and members have been asked to donate raffle items to the WFFA Annual Meeting. If you would like to donate something, please contact Kelly Zandell at 360-388-7074 or

info@wafarmforestry.com. If you won't be attending, arrangements can be made to get your item to the meeting.

Feb. 15, 2018, Meeting Notes by Brian LeTourneau

Cross Laminated Timber and the Future of Commercial Wood Construction was the topic for our February 15, 2018, meeting, presented by Mike Warjone, Directory of Forestry for Port Blakely Tree Farms.

Mike believes that more buildings in the future will be built out of wood and fewer from steel because:

1. Energy is becoming more expensive as it becomes scarce, despite some up and down fluctuations. It takes the following amount of energy from one 60 watt light bulb to build one pound of these buildings:

Wood	4 hours
Steel	83 hours
Recycled aluminum	461 hours
Aluminum	682 hours

Higher energy prices helped lead to the development of LED light bulbs, electric and hybrid cars, and cross laminated timber (CLT).

2. Wood is strong. It used to be used widely for train trestles. Canada has over 45 million acres of dead pine trees, which could be used for CLT.
3. Wood is light. Buildings made out of wood have lighter foundations, 60% or less of the weight of a steel building. In addition cement production produces lots of CO₂ and uses lots of energy. A 20 story wood building in Portland has a foundation the size that is needed for a 5 story building of other materials.
4. Prefabrication construction techniques can be used offsite with CLT wood buildings. This means the building can be constructed faster by putting pieces together on site with less negative impact and disruption to the community and also at a lower cost. Construction of one wood building in Switzerland has the steps and passages ways on the outside, encompassing the building. This saves energy for both air conditioning and heating.
5. Wood buildings are fire resistant. The tensile steel in a building bends at 600 degrees. Wood tends to char on the outside but not burn completely through; and, with well-planned sprinkling systems is quite fire resistant and often more easily repaired. Until this year wood buildings were often limited to 85 feet in height because the ladder on a fire truck could not reach any higher. Wood buildings 85 feet or higher need a secondary fire suppression system (a water tank on the roof), which can be integrated in the earthquake dampener system.
6. Wood buildings do better in earthquakes with the proper construction techniques because they flex. A 120 steel and brick church in New Zealand had major earthquake damage, but some Japanese pagodas made of wood have lasted 700 years.

Unfortunately our government does not yet know it should be using more wood in public buildings and schools. In addition, right now there is not a lot of CLT being manufactured, and architects and engineers need to learn how to work with it. More CLT factories are being constructed. There are already some amazing ones in Europe. One in Fribourg, Germany produces enough CLT for a house every two hours. Laminated veneer timber is also being created. Douglas-fir timber seems to work best for CLT, but it requires pieces that are at least 2 in. by 4 in. or larger. Species cannot be mixed in making CLT. Top and bottom pieces on CLT need to be good quality, but the middle pieces do not have to be as good. Glue laminated timber has been around for a long time, but it is not the same as CLT.

Present Officers:

- Pres.: Justin Becker 360-789-8449. justin.becker@northwestfcs.com
- Co-Secretary: Norma Green 360-753-1487 nfgreen@reachone.com
- Co-Secretary: Brian LeTourneau 360-943-8774 brian14802@aol.com
- Treasurer: Bonnie Miller 360-705-1888 kenbonniemiller@gmail.com

MEMBERSHIP

Our membership drive continues. You are all encouraged to approach at least one person for membership. Our chapter will give a \$25 rebate to new members for the first year. **Membership Special for 1st time new members: \$45 for 1 year, 1 chapter.**

WFFA does a lot more than have meetings. Maintaining favorable conditions, regulations, and attitudes regarding land ownership requires member participation and vigilance. **Contact Pres. Justin Becker:** justin.becker@northwestfcs.com 360-789-8449 or Treasurer Bonnie Miller: 360-705-1888

2018 Meetings & Tours -- 2nd Wednesday, unless noted -- Mark your Calendars!

- Education Meetings: March 14, April 11, Oct 10,
- Tours: May 9, June 13, July 11, Aug. 8, Sept 12
- Nov. 15 **Thurs.** -- Planning meeting for 2019