



Urban Forestry Services, Inc.

Arboricultural Consulting | Wholesale Tree Nursery

Title: Fairhaven Highlands
Tree Ring Analysis Wetlands CC, KK & JJ

Prepared For: Vikki Jackson, Senior Ecologist/PWS
Northwest Ecological Services, LLC
1229 Cornwall Ave., Suite 313
Bellingham, WA 98225

Prepared By: Urban Forestry Services, Inc.
James M. Barborinas, President
Registered Consulting Arborist, #PNW-0135
Registered Consulting Arborist #356
Certified Tree Risk Assessor #PNW 0327

Date: February 27, 2009

As you requested, I met with you onsite at the Fairhaven Highlands property in Bellingham, Washington to core several trees to estimate tree age from tree ring analysis in three wetlands referred to as CC, KK and JJ. The attached matrix indicates the wetland location, tree species and tree ring counts I was able to establish from the increment cores I took.

The wood cores are extracted from the trees with a tool called an Increment Borer. The Increment Borer is a long hollow boring tool that is screwed into the trunk of a tree to pull out a long core of wood approximately 3/16" diameter that reveals the growth rings of a tree. Some tree species show growth rings better than others. One is also limited by the ability to hit the actual center of the tree and on the quality of the wood where it is bored.

Because the wood cores are taken from approximately 3.5 to 4.5 feet above grade one should add approximately 3 years to each ring count to account for the years it took the tree to grow to that height. Those three years are added to the final estimated growth rings for each of the trees in the matrix.

Let me know if you have any questions regarding these trees. Thank you for letting us be of service.

15119 McLean Road
Mount Vernon, WA 98273

Office (360) 428-5810
Fax (360) 428-1822
Cell (360) 770-9921