



April 15, 2009

The Honorable Ken Jacobsen
Washington State Senate
P.O. Box 40446
Olympia, WA 98504-0446

Re: Small Forest Landowner Office 2008 Demographic Report

Dear Senator Jacobsen:

The 1999 Salmon Recovery Act established the Small Forest Landowner Office (SFLO) to provide assistance to small forest landowners as they implement forest practices rules. A section of the Act, RCW 76.13.110, requires the SFLO to submit a small forest landowner demographic report to the legislature, with updates every 4 years. To date, the report has been submitted to the legislature twice, first in 2002 and most recently in 2004. Enclosed is the 2008 report update.

Data for the 2008 small forest landowner demographic report were provided primarily through a statewide forest parcel database that was created by the Rural Technology Initiative (RTI) in the College of Forest Resources at the University of Washington. This effort was funded by the U.S. Forest Service. The details of the data collection, assimilation, and interpretation methodologies can be found in the recently completed *The 2007 Washington State Forestland Database Final Report*, located at:

http://www.ruraltech.org/projects/wrl/fldb/pdf/The_2007_Washington_State_Forestland_Database.pdf.

The 2008 Small Forest Landowner Demographic Report provides the following: small forest landowner statistics; SFLO and Small Forest Landowner Advisory Committee recommendations for incentives to encourage small forest landowners to continue to manage their lands for forestry uses; and a progress update on the 2004 Small Forest Landowner Demographic Report recommendations.

Highlights of the Report

Statistics

Approximately 215,000 small forest landowners statewide own roughly 5.7 million acres of both forested and non-forested land. The forested portion of the 5.7 million acres, according to the 2000 National Land Cover Data (NLCD) dataset and parcels that are assessed with county forest land use codes, is 3.2 million acres. The 5.7 million acres includes land that appears to be open

land according to the NLCD. This open area could be agricultural land, a recent even-aged timber harvest, or residential or other open land. For example, a landowner may own a 40 acre parcel, with 30 acres of it shown as forested according to the NLCD dataset and 10 acres of it shown as open land. The entire 40-acre parcel is reflected in the 5.7 million parcel acres while only 30 acres is reflected in the 3.2 million forested acres.

The RTI data also shows that 148 out of 846 watershed administrative units in the state contain 20 percent or more small forest landowner forest land.

2008 Small Landowner Incentive Recommendations

Small forest landowners are vitally important to Washington State. Their stewardship efforts protect natural resources and generate income for their families and revenue for the state. Ideas are continuously examined in an effort to find incentives to encourage small forest landowners to continue to manage their lands and prevent conversion of their lands to other non-forest uses. This report offers recommendations that are both currently being pursued and recommendations that could be pursued in the future.

Current Recommendations

- Fully fund the Forest Riparian Easement Program,
- Fully fund the Family Forest Fish Passage Program,
- Continue to develop forest practices alternate plan templates and regulatory incentives that assist small forest landowners,
- Obtain additional funding to complete, in partnership with Washington Department of Fish and Wildlife, the statewide field inventory of fish passage barriers on small forest landowner forestland,
- Seek federal stimulus dollars in partnership with the National Oceanic and Atmospheric Administration to fund “shovel ready” fish passage barrier repairs,
- Continue efforts with all counties to improve and update the statewide forestland parcel database.
- Develop a conifer restoration template.

Future Recommendations

- Actively seek funding sources by partnering with state agencies and local governments to update the statewide forestland parcel database (the database used for this report) as well as support funding for counties needing GIS assistance.
- Seek an increase in funding and staffing levels in the federal Forest Stewardship Program to encourage long-term retention and active management of family forest lands. Do this in addition to helping landowners develop and implement Forest Stewardship Plans.
- Support the Small Forest Landowner Advisory Committee’s recommendation to gain legislative direction and funding to establish the “Office of Conservation of Family Forest Landowner,” housed within the Office of the Governor, to advocate for family forest landowners; recognize good forestland stewardship; research the potential of a

carbon credit program; and deliver a statewide certification program that would help small forest landowners access specialty markets for their logs or other products.

Update on 2004 Small Landowner Incentive Recommendations

Several incentives were recommended in the 2004 Report. Following is a summary of the recommendations along with an update:

- Increase legislative funding for the forestry riparian easement program to cover the backlog of applications. Although the legislature increased funding for the program by 4 million in the combined fiscal years 2006 and 2007, and by 2.3 million in the combined fiscal years 2008 and 2009, it has been insufficient to cover the need. It is projected that 72 applicants will be on the waiting list by June 2009.
- Adopt rules through the Forest Practices Board allowing small forest landowners to obtain long-term forest practices permits. Rules to this effect were adopted and became effective in October 2007.
- Fully fund the Family Forest Fish Passage Program. The legislature has increased the funding by approximately 2 million dollars each biennium since the 2003-2005 biennium. Additional funds are still needed to fill the demand for fish passage repair.
- Fund a statewide GIS analysis and parcel database to gain a better understanding of how many small forest landowners there are and where they are located, in order to better allocate resources. The GIS analysis and parcel database was funded by the U.S. Forest Service and completed by the Rural Technology Initiative at the University of Washington.
- Seek legislative funding to provide sufficient staffing levels for the Small Forest Landowner Office to better provide for the needs of small forest landowners. Three staff members have been added since 2004.

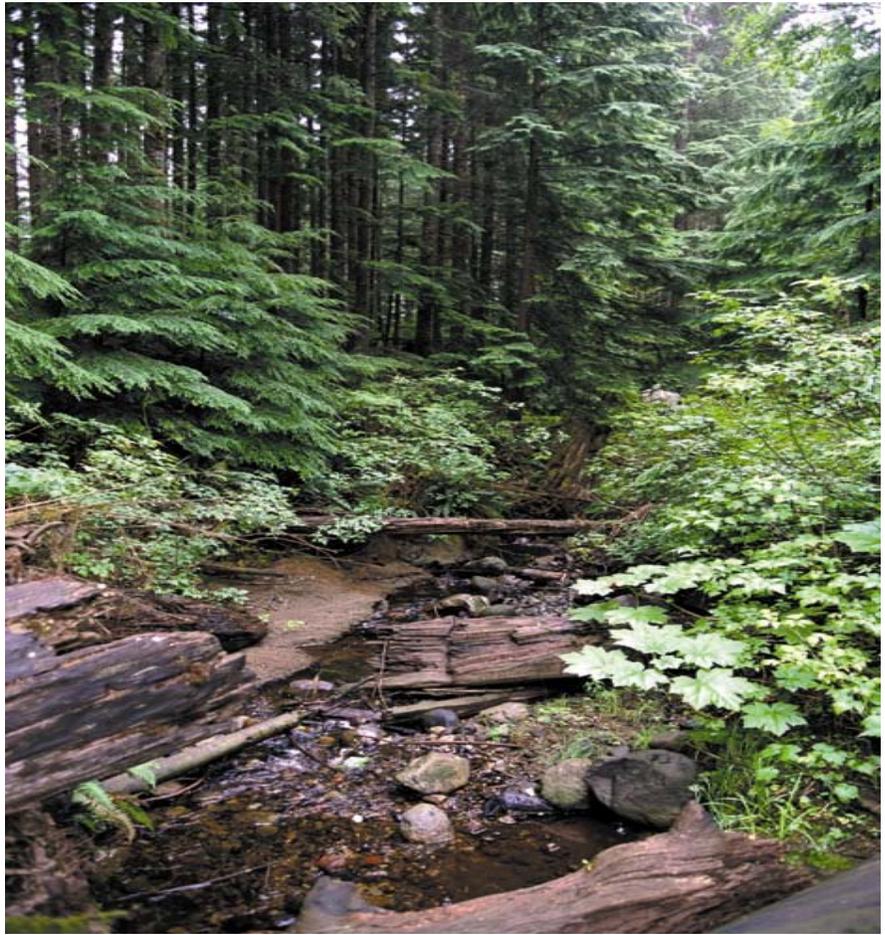
Please direct any questions about the report or the specific recommendations to Marc Engel, Acting Assistant Division Manager for Policy and Services, Forest Practices Division, at marc.engel@dnr.wa.gov or 360-902-1390.

Sincerely,



Gary Graves
Acting, Forest Practices Division Manager

c: Peter Goldmark, Lands Commissioner
Lenny Young, DNR, Department Supervisor
Chuck Turley, DNR, Acting Deputy Supervisor of Regulatory Programs
Heath Packard, DNR, Legislative Liaison
Senator Bob Morton, Washington State Senate
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Representative Joel Kretz, Washington State House of Representatives
John Mankowski, The Office of the Governor
Jason Callahan, House Committee Services
Curt Gavigan, Senate Committee Services
Forest Practices Board



LEGISLATIVE REPORT 2008

SUBMITTED BY:

DEPARTMENT OF NATURAL RESOURCES
FOREST PRACTICES DIVISION

A Report to the Legislature: Small Forest Landowner Demographic Report

April 2009

Department of Natural Resources
Forest Practices Division

Acknowledgments

Executive Sponsorship

Peter Goldmark, Commissioner of Public Lands
Chuck Turley, Acting Executive Director of Regulatory Programs

Participating Organizations

University of Washington - Rural Technology Initiative
Family Forest Foundation (FFF)
Washington State Farm Forestry Association (WFFA)
DNR – Small Forest Landowner Office and Small Forest Landowner Advisory Committee
US Forest Service

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WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands

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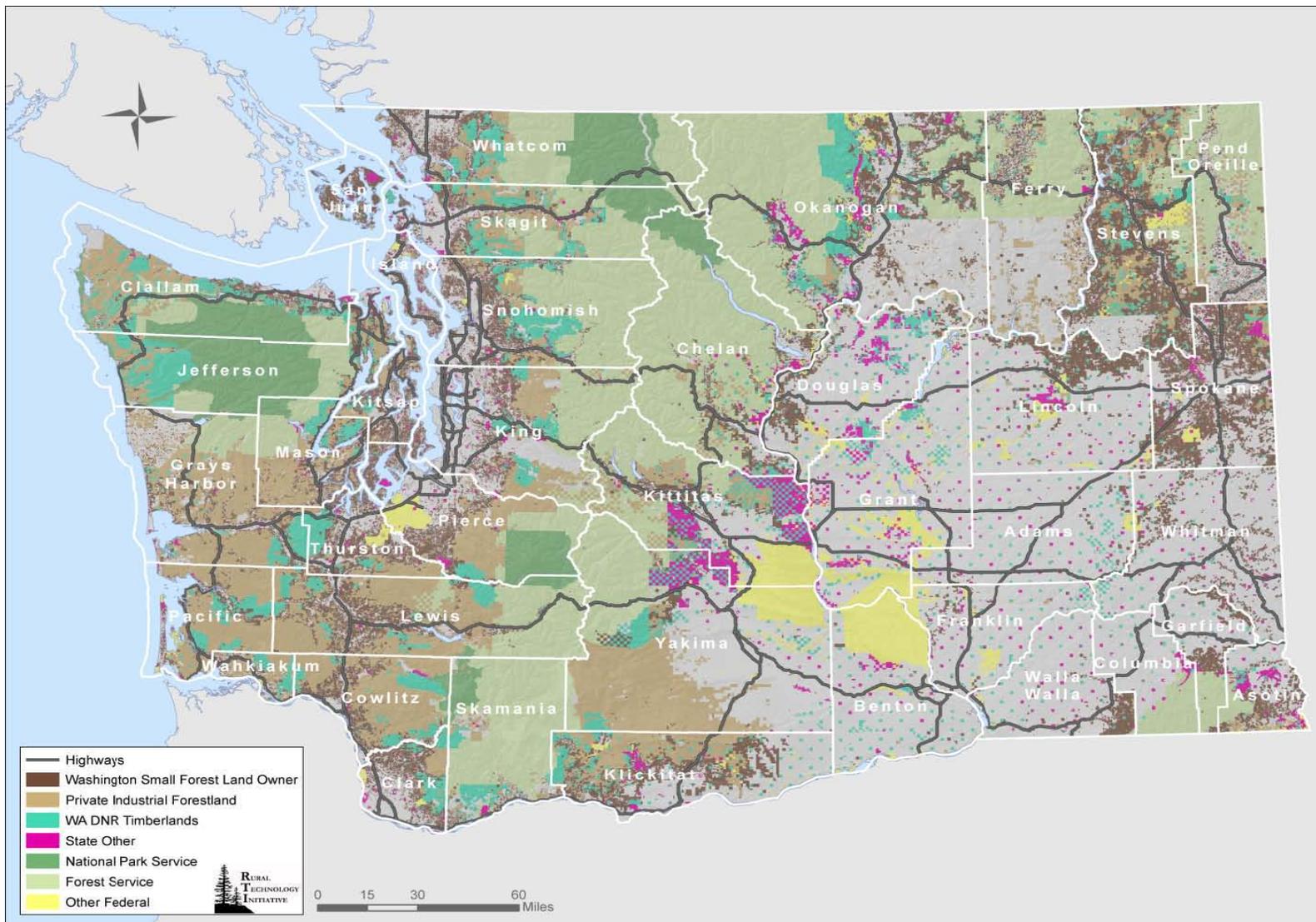
Prologue

Data for this report is provided by the 2007 Washington State Forestland Database developed by the Rural Technology Initiative (RTI) located at the University of Washington. RTI collected and assimilated county parcel data and created a statewide database of which the forestland database is a subset of this larger dataset. The Washington State Forestland Database was developed to provide a comprehensive platform to understand the spatial characteristics of all private forestland ownership in the state, including small forest landowners. Summary statistics for small forest landowners required in this report are provided in the *DNR Small Forest Landowner Office Statistics for the 2008 Legislative Report*, an Excel spreadsheet prepared by Luke W. Rogers and Andrew G. Cooke of RTI specifically for this report. Additionally, portions of this report come directly from *The 2007 Washington State Forestland Database Final Report* by Luke W. Rogers and Andrew G. Cooke. The full report can be viewed at the following website: http://www.ruraltech.org/projects/wrl/fldb/pdf/The_2007_Washington_State_Forestland_Database.pdf. Funding for the 2007 Washington State Forestland Database came from the U.S. Forest Service via the Family Forest Foundation and the Washington State Farm Forestry Association.

The 2007 Washington State Forestland Database was developed primarily from county GIS and tabular parcel data, assessor's tax rolls and National Land Cover Dataset (NLCD) forest cover. Thirty-eight of 39 counties provided data (Columbia County was the one exception) during the fall of 2007. The county parcel data was normalized into a common format for use in statewide analyses. Nine counties were unable to provide parcel polygons as their geographic information systems are still being developed. To serve as placeholders in the database, pseudo-parcels were generated from parcel ID numbers and legal descriptions. In most cases, these pseudo-parcels are within a mile of their true location, randomly placed inside the appropriate township, range, and section. Some pseudo-parcels were randomly assigned a location somewhere within the county boundary when no legal description or parcel ID number were available. Parcel acreages from county tax rolls were used to determine the pseudo-parcel size.

The 2007 Washington State Forestland Database is a subset of the 2007 Washington State Parcel Database. A forestland parcel had to meet acreage and forest cover requirements in order to be included in the Forestland Database. Forestland parcels were identified using both forest cover information and land use information through one of two methods. National Land Cover Dataset forest cover was overlaid on all parcels to determine the acreage of forest on each parcel. For the purposes of this report, a forestland parcel had to be at least two acre in size, and contain at least one acre of forest. Any parcel with a land use code of 87 (formerly Classified forest land, chapter 84.33 RCW), 88 (Designated forest land classified under chapter 84.33 RCW), 92 (Noncommercial forest) or 95 (Timberland classified under chapter 84.34 RCW) was also included regardless of parcel size. Parcels with land use code 94 (Open space land classified under chapter 84.34 RCW) were also included if the NLCD confirmed that there were trees on the parcel. Figure 1 depicts the location of all private and public forestland in Washington State, including small forest landowner lands (shown as dark brown).

Figure 1: Private Forests and Public Lands in Washington State



Source: *The 2007 Washington State Forestland Database – Final Report*, University of Washington, College of Forest Resources, Rural Technology Initiative, Luke Rogers and Andrew Cooke, March 12, 2009

Data Limitations and Assumptions

As discussed in the *2007 Washington State Forestland Database Final Report*, the most critical limitations to the data are provided below, in addition to important data assumptions relating to this report provided in RTI's spreadsheet, *DNR Small Forest Landowner Office Statistics for the 2008 Legislative Report*.

Data Limitations:

- **Spatial accuracy:** Each county assessor maintains their GIS and tax-roll information to different standards regarding both format and accuracy. While many counties appear to have highly accurate parcel geometry, many do not and the digital representations of parcels in their data can only be considered “cartoons”. When combined with the myriad datasets that were used to quantify forestland ownership significant errors are almost certainly introduced and are extraordinarily difficult to quantify. However, when data is aggregated at the county, regional or state scale, these errors are likely small.
- **Pseudo-Parcels:** Many counties do not have GIS based parcel information and were not able to provide spatially explicit information for this project. In these counties, actual parcel locations were approximated using legal description information. The potential errors associated with using this information for spatial overlays are large and a validation test was run to determine the magnitude of this error. Caution must be exercised when using these pseudo-parcels for local spatial analysis.
- **Ownership Information:** Ownership data is collected individually by each County, and is often incomplete, as assessors are mainly concerned with equitable assessments and the collection of taxes. There is no statewide owner ID available and no straightforward method to integrate owners across the State, which makes determining total statewide ownership for each owner difficult. The result is that the number of owners stated in the statistics is overestimated for each owner that has property in more than one county. The net result of this overestimation however is presumed to be minor if not completely inconsequential.
- **Forest Cover:** In addition to land use information, forest cover from the NLCD was used to identify forested parcels. The most recent NLCD data available for this analysis was from 2001 which includes satellite imagery from a variety of dates. The collected parcel data has dates around October 2007. The difference in dates between the land cover data and the assessor's information is a source of error. It is likely that some parcels identified from forest cover as forestland have been converted to non-forest uses and others have been re-forested. The net effect of this temporal misalignment is unknown.

Data Assumptions

- Pseudo-parcels are adequate for quantifying forestland metrics at the state, county, WRIA and WAU scale. This methodology is being tested to determine statistical differences between using pseudo-parcels and GIS parcels. Initial thoughts are that small parcels in rural developments may be incorrectly classified causing an increase in the total number and acres of Forestland parcels.
- The 2001 National Land Cover Dataset is adequate for describing forest cover in 2007.
- County assessor land use information is appropriate for determining if a parcel is forested for land use codes 87 – previously Classified Forestland, 88 – Designated Forestland, 92 – Non-commercial Forest, and 95 – Timberland, hereafter referred to as “forest land use codes.”
- Parcels with a forest land use code are 100% forested.
- Parcels with a non-forest land use code have forest cover indicated by the National Land Cover Dataset.
- Contiguous parcels with the same land owner or taxpayer name, by county, are considered to be part of the same ownership or “tract”.
- Parcels can only be in one county, WRIA or WAU.

Introduction

The Department of Natural Resources (DNR) Small Forest Landowner Office is submitting this report as required by RCW 76.13.110. The report provides data requested by the legislature to be submitted every four years. Relevant sections of RCW 76.13.110 are provided below:

RCW 76.13.110(1) The department of natural resources shall establish and maintain a small forest landowner office. The small forest landowner office shall be a resource and focal point for small forest landowner concerns and policies, and shall have significant expertise regarding the management of small forest holdings, governmental programs applicable to such holdings, and the forestry riparian easement program.

RCW 76.13.110(5) By December 1, 2002, the small forest landowner office shall provide a report to the board and the legislature containing:

(a) Estimates of the amounts of nonindustrial forests and woodlands in holdings of twenty acres or less, twenty-one to one hundred acres, one hundred to one thousand acres, and one thousand to five thousand acres, in western Washington and eastern Washington, and the number of persons having total nonindustrial forest and woodland holdings in those size ranges;

(b) Estimates of the number of parcels of nonindustrial forests and woodlands held in contiguous ownerships of twenty acres or less, and the percentages of those parcels containing improvements used: (i) As primary residences for half or more of most years; (ii) as vacation homes or other temporary residences for less than half of most years; and (iii) for other uses;

(c) The watershed administrative units in which significant portions of the riparian areas or total land area are nonindustrial forests and woodlands;

(d) Estimates of the number of forest practices applications and notifications filed per year for forest road construction, silvicultural activities to enhance timber growth, timber harvest not associated with conversion to nonforest land uses, with estimates of the number of acres of nonindustrial forests and woodlands on which forest practices are conducted under those applications and notifications; and

(e) Recommendations on ways the board and the legislature could provide more effective incentives to encourage continued management of nonindustrial forests and woodlands for forestry uses in ways that better protect salmon, other fish and wildlife, water quality, and other environmental values.

RCW 76.13.110(6) By December 1, 2004, and every four years thereafter, the small forest landowner office shall provide to the board and the legislature an update of the report described in subsection (5) of this section, containing more recent information and describing:

(a) Trends in the items estimated under subsection (5)(a) through (d) of this section;

(b) Whether, how, and to what extent the forest practices act and rules contributed to those trends; and

(c) Whether, how, and to what extent: (i) The board and legislature implemented recommendations made in the previous report; and (ii) implementation of or failure to implement those recommendations affected those trends.

Background

The 1999 Salmon Recovery Act was passed to assist in providing substantial and sufficient recovery of salmon while maintaining a viable forest industry. The Act included a key component which required the establishment of a Small Forest Landowner Office (SFLO) because the legislature had found that increasing regulatory requirements were diminishing the economic viability of small forest landowners. The office was established in the forest practices division of the Department of Natural Resources to provide assistance to small forest landowners as they implemented the forest practices rules. The SFLO administers cost share programs for small forest landowners including the Forestry Riparian Easement Program and the Family Forest Fish Passage Program; and provides assistance to small forest landowners in the alternate planning process and with completing forest practices applications. In an effort to monitor the status of small forest landowners, the Salmon Recovery Act required the SFLO to submit a small forest landowner demographic report to the legislature, with updates every four years, that provides specific data describing small forest landowners. To date, the report has been submitted to the legislature twice, first in 2002 and most recently in 2004.

The 2002 report relied heavily on work provided by the Rural Technology Initiative in the College of Forest Resources at the University of Washington. RTI initiated the first effort to systematically collect comprehensive and detailed statewide demographics on all small forest landowners in Washington State in 2001. The data obtained was primarily tabular tax parcel data and was limited in its ability to paint a clear picture of small forest landowner ownership. Never-the-less the data provided an initial impression of small forest landowners and was used for the small forest landowner demographic report submitted to the legislature in 2002. In 2004, no new statewide data was available to be used for the SFLO legislative report. However, in 2007, substantial federal funding and new technology facilitated a second effort to obtain statewide data on small forest landowners. Geographic information systems (GIS) technology, which had only been available in a few counties in 2001, was now available in most counties. The 2007 data gathering effort was intensive and comprehensive and resulted in a much higher quality data set regarding small forest landowners.

The 2007 small forest landowner data set was used to inform this SFLO demographic report. The first step in quantifying the data for the demographic report was to determine a definition that would represent small forest landowners' land parcels. In the 2002 Demographic report the definition used included parcels from 5 to 5000 acres that were enrolled in a forest use tax classification. This year's report used the following criteria to define small forest landowner lands:

- Upper end of acreage size of ownership defining small forest landowner was determined by potential harvest of under 2 MMBF; 2500 acres in western Washington and 9990

acres in eastern Washington (See Appendix A for the methodology that supports the acreage determinations for western and eastern Washington.),

- Lower boundary for acreage owned is 2 acres or having a forested assessed land use code of 87 (formerly Classified forest land), 88 (Designated forest land), 92 (Noncommercial forest), or 95 (Timberland),
- Contains at least 1 full acre of forestland,
- No tribal land is included, however; fee land owned by individuals within the tribal land boundaries is included,
- No government owned lands are included (including city or county),
- Lands owned by conservation organizations are included.

Once the definition criteria outlined above were determined, the 2007 RTI database was queried to obtain the small forest landowner statistics required for this legislative report. The following sections provide the data sequentially according to RCW 76.13.110.

Forest Landholding Acres and Number of Small Forest Landowners

RCW 76.13.110(5)(a) *Estimates of the amounts of nonindustrial forests and woodlands in holdings of twenty acres or less, twenty-one to one hundred acres, one hundred to one thousand acres, and one thousand to five thousand acres, in western Washington and eastern Washington, and the number of persons having total nonindustrial forest and woodland holdings in those size ranges.*

Table 1 illustrates two statistics related to small forest landowners:

1. the number of small forest landowner parcel acres by size class, and,
2. the number of small forest landowner *forest* acres by size class

Parcel acres are defined as individual tax lots as identified by county assessors that have a minimum of 1 acre of forest cover according to the National Land Cover Data or have land use codes of 87, 88, 92, or 95. Parcels with land use code 94 (Open space land) were also included if the NLCD confirmed that there were trees on the parcel. These tax lots sometimes included open areas attached to the one acre of forest cover. These open areas are included in the total parcel acreage count because technology is not sophisticated enough to determine if the open areas are newly harvested or planted forest areas or agricultural land, residential or other non-forested land.

Forest acres are defined as strictly forest cover by either the National Land Cover Data or forested land use codes of 87, 88, 92, 94 (only when NLCD confirmed that trees are present) or 95.

Table 1: Small Forest Landowner Parcel and Forest Acres by Size Class

Landholding Size Class	Parcel Acres in western Washington	Forest acres in western Washington	Parcel Acres in eastern Washington	Forest Acres in eastern Washington	Total Statewide Parcel Acres	Total Statewide Forest Acres
<20	802,466	547,898	228,922	151,119	953,585	699,017
20-100	730,731	513,856	691,618	436,968	1,167,699	950,824
100-1000	639,143	478,499	1,393,853	664,793	1,303,936	1,143,292
1000-5000	94,832	79,989	903,124	302,267	397,099	382,256
5000+			216,971	59,982	59,982	59,982
Total	2,267,172	1,620,242	3,434,488	1,615,129	5,701,660	3,235,371

The data shows that there are approximately 5.7 million small forest landowner parcel acres statewide and of those acres approximately 3.2 million are forested according to either the 2000 National Land Cover Data dataset or county forested land use codes. The 5.7 million parcel acres include both the forested and non-forested portion of the parcel on small forest landowner acres. For example, a landowner owns a 40 acre parcel, with 30 acres of it depicted as forested according to the NLCD dataset. The entire 40-acre parcel is reflected in the 5.7 million parcel acres. Only 30 acres out of the 40 acre parcel is reflected in the 3.2 million forested acres. Of the 3.2 million known forested acres, approximately 1.62 million acres are located in western Washington and approximately 1.61 million acres are located in eastern Washington.

Table 2 shows the total number of small forest landowners in western and eastern Washington by landholding size class.

Table 2: Number of Small Forest Landowners by Size Class

Landholding Size Class	Total Number of Small Forest Landowners in western Washington	Total Number of Small Forest Landowners in eastern Washington	Total Statewide Number of Small Forest Landowners
<20	133,008	26,578	159,586
20-100	21,462	20,470	41,932
100-1000	5,423	6,998	12,421
1000-5000	75	983	1,058
5000+		98	98
Total	159,956*	55,096*	215,052*

*A single owner may be represented in more than one size class, so the numbers in “Total” will be less than the sum of the individual classes.

The data shows that there are approximately 215,100 small forest landowners, with an estimated 160,000 landowners located in western Washington, and an estimated 55,100 landowners located in eastern Washington.

20-acre Parcels and Residency Status

RCW 76.13.110(5)(b) Estimates of the number of parcels of nonindustrial forests and woodlands held in contiguous ownerships of twenty acres or less, and the percentages of those parcels containing improvements used: (i) As primary residences for half or more of most years; (ii) as vacation homes or other temporary residences for less than half of most years; and (iii) for other uses.

As discussed in RTI's Excel summary data spreadsheet this section provides an uncertain estimate of the information requested in RCW 76.13.110(5)(b). Table 3 shows the estimated number of parcels by land use type and percent of those parcels improved. There is difficulty in determining residency status as there are no statewide county codes specifying the various residency categories. The analysis includes all improvements from \$1 to \$116,159,000 and only includes those lands classified as "Washington Small Forest Landowners" which does not include Tribal small forest landowner lands. RTI's data could not provide certainty regarding the types of improvements on various lands. It is highly likely that many of these improvements are not residence related and include things like roads, gates and sheds.

Table 3: Improvements on 20-Acre Parcels

Land Use Type	Number of Parcels in land use type	Percent Improved
Residential	115,989	95
Vacation and cabin	5,436	74
Other	75,484	14

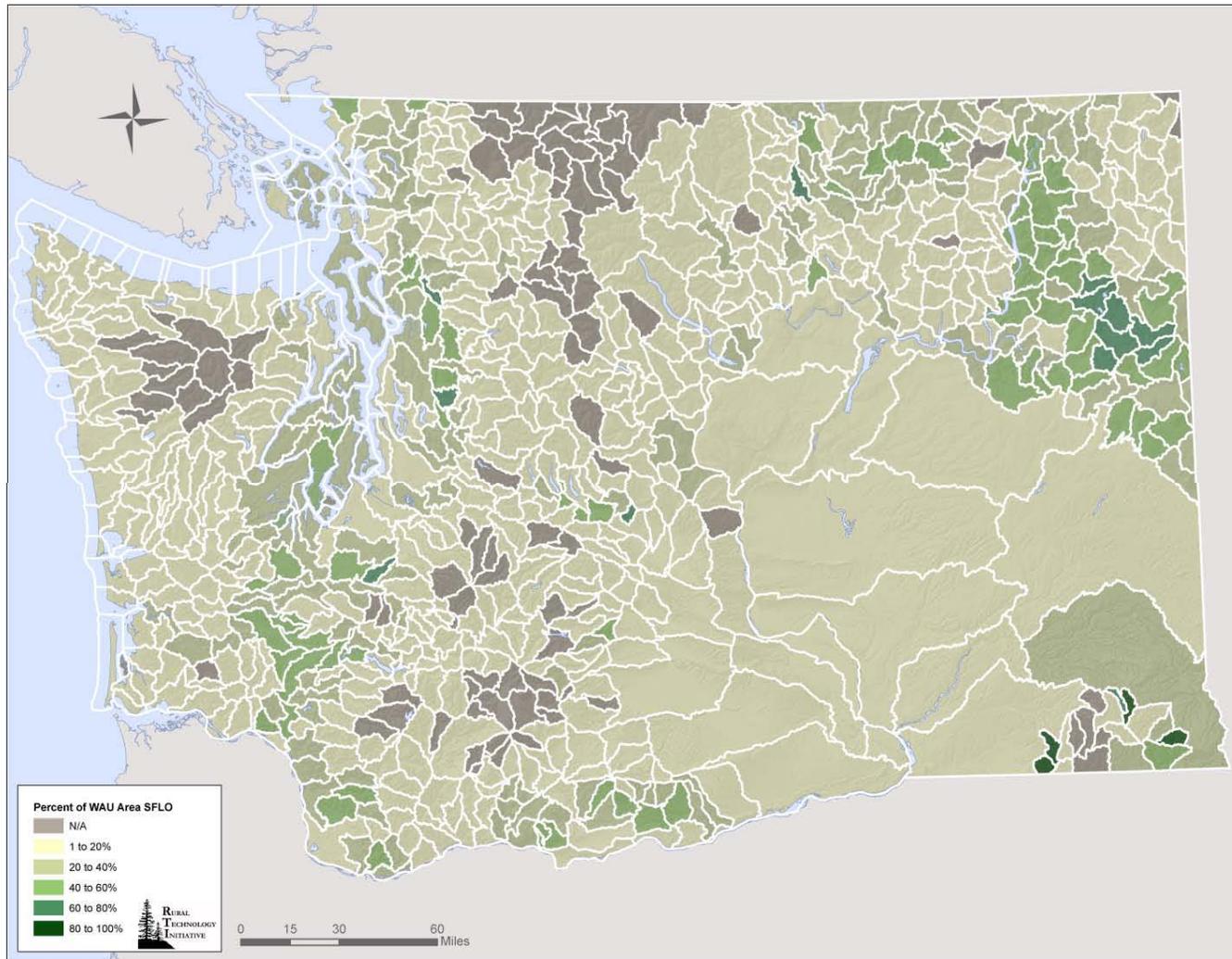
Of the total 196,909 small forest landowner parcels held in contiguous ownerships of 20 acres or less, approximately 63% contain improvements of some kind.

Proportion of Watershed Administrative Unit (WAU)

RCW 76.13.110(5)(c) The watershed administrative units in which significant portions of the riparian areas or total land area are nonindustrial forests and woodlands;

The law requires identification of WAUs that have a significant proportion of the WAU in small forest landowner forestland. The term "significant" was not defined in law, therefore, a figure of 20% or greater small forest landowner forestland was chosen as "significant". The twenty percent criteria is consistent with the criteria used in the 2002 SFLO legislative demographic report. The first step in calculating percent was determining which WAUs contain small forest landowner forest land. 745 WAUs out of 846 total WAUs contain SFLO forest land. The data shows that 148 out of the 745 WAUs have 20% or greater small forest landowner forestland. Figure 2 depicts the percent of WAUs owned by small forest landowners statewide. Table 4 lists the WAUs containing 20% or greater of small forest landowner land.

Figure 2: The Percent of WAU Area Owned by Small Forest Land Owners



Source: *The 2007 Washington State Forestland Database – Final Report*, University of Washington, College of Forest Resources, Rural Technology Initiative, Luke Rogers and Andrew Cooke, March 12, 2009

Information about all WAUs can be found in Appendix B which lists the percent of small forest landowner forestland for each of the WAUs containing small forest landowner forestland in Washington.

Table 4: WAUs with 20% or greater Small Forest Landowner Land

<u>WAU NAME</u>	<u>COUNTY</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land in WAU</u>
ALADDIN	Stevens, Pend Oreille	50411	12301	24%
ANDERSON CREEK	Whatcom	17536	3622	21%
BEAVER CREEK	Spokane, Stevens	46677	22881	49%
BLACK RIVER	Grays Harbor, Thurston	66500	20692	31%
BLAKELY ISLAND	San Juan, Skagit	13274	4067	31%
BLANCHARD CREEK	Pend Oreille, Spokane	41906	8538	20%
BRACKEN CREEK	Ferry	29105	7479	26%
BUNKER CREEK	Lewis	65676	18669	28%
CAMAS VALLEY	Stevens	57782	22983	40%
CARPENTER	Skagit, Snohomish	29905	7930	27%
CATHLAPOTL	Clark, Cowlitz	55723	11098	20%
CEDAR CREEK/CHELATCHIE CREEK	Clark	35532	13922	39%
CEDAR CREEK/FISH CREEK	Pend Oreille	21718	4422	20%
CHAMOKANE CREEK	Lincoln, Stevens	56125	25582	46%
CHEHALIS	Lewis	18508	6896	37%
CHEWILIKEN CREEK	Okanogan	16784	3328	20%
CHICO CREEK	Kitsap	18287	4276	23%
CHINA CREEK	Stevens	38120	16272	43%
CHURCH CREEK	Island, Snohomish	11668	2501	21%
COAL CREEK	Cowlitz	23738	9663	41%
COLVOS PASSAGE/CARR INLET	King, Kitsap, Pierce	96394	25706	27%
COLVILLE RIVER/DRY CREEK	Stevens	23702	9182	39%
COPPEI CREEK	Columbia, Walla Walla	22117	10584	48%
COTTONWOOD CREEK	Stevens	37811	14096	37%
COWLITZ RIVER/MILL CREEK	Lewis	28085	10881	39%
CUMBERLAND	King	19209	4971	26%
CURLEW CREEK	Ferry	23298	7071	30%
CURLEW LAKE	Ferry	46241	14164	31%
DARTFORD CREEK	Spokane, Stevens	38310	8369	22%
DEADMAN CREEK/PEONE CREEK	Spokane	53673	19727	37%
DEER LAKE	Pend Oreille, Stevens	47886	27254	57%
DELAMETER	Cowlitz	28686	6985	24%
DRAGOON CREEK	Spokane, Stevens	59914	23231	39%
DRAYTON	Whatcom	38540	9882	26%
E STRANGER CREEK	Stevens	28452	12233	43%
EAST CREEK	Lewis, Pierce, Thurston	20285	5169	25%
FLAT CREEK	Stevens	67939	15545	23%

WAU NAME	COUNTY	TOTAL WAU ACRES	Total Small Forest Landowner Forested Acres	% Small Forest Landowner Forest Land in WAU
FRIDAY CREEK	Skagit, Whatcom	22006	7066	32%
GEORGE CREEK	Asotin	21729	15845	73%
GILMER CREEK	Klickitat	24653	4913	20%
GRANDE RONDE	Asotin, Garfield	54093	11439	21%
GROUSE CREEK	Stevens	25179	13666	54%
GUEMES ISLAND	Skagit, Whatcom	17388	3481	20%
HALLER CREEK	Stevens	88821	39591	45%
HARMONY	Lewis	21659	5856	27%
HARRIS CREEK	King	23500	10444	44%
HARSTINE ISLAND	Mason, Pierce, Thurston	19960	6315	32%
HORSESHOE FALLS	Clark, Skamania	28416	6443	23%
HUCKLEBERRY CREEK	Stevens	50088	20897	42%
HUNTERS CREEK	Ferry, Stevens	27928	10129	36%
INDEPENDENCE CREEK	Grays Harbor, Lewis, Thurston	19251	5184	27%
JIM CREEK	Snohomish	30620	6089	20%
JORDAN	Snohomish	15278	7394	48%
KETTLE RIVER/DEEP CREEK	Ferry, Stevens	27421	5942	22%
KEY PENINSULA	Kitsap, Mason, Pierce, Thurston	83447	36316	44%
KLICKITAT MEADOWS	Yakima	28636	7547	26%
KOOSKOOSKIE	Walla Walla	18198	7837	43%
LACAMAS	Cowlitz, Lewis	60997	19149	31%
LAKE MERWIN	Clark, Cowlitz	34871	7252	21%
LANNIGAN SPRING	Kittitas	31585	12629	40%
LIBERTY CREEK	Okanogan	21258	4975	23%
LIBERTY-MILLER- APPLETREE	Island, Jefferson, King, Kitsap, Snohomish	71002	15435	22%
LINCOLN CREEK	Lewis, Thurston	33097	7161	22%
LITTLE DEEP CREEK	Spokane	31992	11595	36%
LITTLE QUIL	Clallam, Jefferson	27662	6573	24%
LITTLE SPOKANE/DEER CREEK	Spokane	46039	20490	45%
LITTLE WASHOUGAL	Clark, Skamania	30152	7680	25%
LOWER BONAPARTE	Okanogan	53375	10442	20%
LOWER COWEEMAN	Cowlitz	49161	13361	27%
LOWER COWLITZ	Cowlitz	27941	11242	40%
LOWER DESCHUTES	Mason, Thurston	57529	13058	23%
LOWER KALAMA	Cowlitz	46354	13199	28%
LOWER KETTLE RIVER	Ferry, Stevens	32333	9433	29%
LOWER LATAH	Spokane	38764	10583	27%
LOWER LITTLE PEND O'REILLE	Stevens	66385	14491	22%
LOWER LONG LAKE	Lincoln, Spokane, Stevens	45737	16126	35%
LOWER NEWAUKUM	Lewis	44834	20382	45%
LOWER PILCHUCK CREEK	Skagit, Snohomish	19821	5706	29%

WAU NAME	COUNTY	TOTAL WAU ACRES	Total Small Forest Landowner Forested Acres	% Small Forest Landowner Forest Land in WAU
LOWER PILCHUCK RIVER	Snohomish	44912	18863	42%
LOWER SKOKOMISH	Mason	19117	4545	24%
LOWER SKOOKUMCHUCK	Lewis, Thurston	46858	9616	21%
LOWER SNOQUALMIE RIVER/CHERRY CREEK	King, Snohomish	35816	13442	38%
LOWER STILLAGUAMISH RIVER	Island, Snohomish	30288	6802	22%
LOWER SWAUK CREEK	Kittitas	11744	4003	34%
LOWER WILLAPA	Pacific	36466	8172	22%
MAGEE CREEK	Ferry, Stevens	58628	26442	45%
MAJOR CREEK	Klickitat	40556	8249	20%
MARSHALL CREEK	Spokane	60170	14292	24%
MASON	Grays Harbor, Mason, Pierce, Thurston	182295	41960	23%
MATHESON ROAD CREEK	Spokane	138	133	96%
MIDDLE LAKE ROOSEVELT/HARVEY CREEK	Ferry, Stevens	52520	20530	39%
MILL CREEK/CLUGSTON CREEK	Stevens	49796	23673	48%
MILL CREEK/DEVILS CANYON	Klickitat	27143	6665	25%
MORAN CREEK	Stevens	25259	8541	34%
MOX CHEHALIS	Grays Harbor, Thurston	18655	4292	23%
MT BONAPARTE	Okanogan	38613	10131	26%
MT ZION	Clark, Skamania	22694	5082	22%
NF GRANITE CREEK	Ferry, Okanogan	45306	9695	21%
NOOKACHAMPS	Skagit	46461	10185	22%
NORTH-MIDDLE FORKS DEER CREEK	Stevens	28806	6953	24%
O BRIEN CREEK	Ferry	28906	7605	26%
OLEQUA	Cowlitz, Lewis	35487	13384	38%
ONION CREEK	Stevens	47361	17676	37%
OR-A-PAK-EN CREEK	Ferry, Stevens	58943	24046	41%
ORCAS ISLAND	San Juan, Skagit, Whatcom	83708	20610	25%
OTTER CREEK	Pend Oreille, Spokane	91626	32618	36%
PATAHA CREEK	Garfield	18216	11210	62%
PATTERSON CREEK	King	15761	5387	34%
PEND OREILLE/DEER CREEK	Pend Oreille	30211	7031	23%
PINE CREEK	Okanogan	26856	5343	20%
PINGSTON CREEK	Ferry, Stevens	13724	5071	37%
POWELL CREEK	Pierce, Thurston	17848	3812	21%
QUILLISASCUT CREEK	Ferry, Stevens	23784	10551	44%

<u>WAU NAME</u>	<u>COUNTY</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land in WAU</u>
ROCK-JONES	Lewis, Pacific	28318	5780	20%
S SINCLAIR INLET	Kitsap	26204	8161	31%
SALZER CREEK	Lewis	11515	4063	35%
SCATTER CREEK	Thurston	33928	8305	24%
SHAW ISLAND	San Juan	9981	3102	31%
SILVAS CREEK	Klickitat	10192	3097	30%
SPOKANE URBAN	Spokane	90348	17881	20%
SQUALICUM CREEK	Whatcom	21136	5464	26%
STAHLEY MTN	Ferry, Stevens	21345	4546	21%
STENSGAR CREEK	Stevens	35709	17210	48%
STILLAGUAMISH FLATS	Skagit, Snohomish	24358	6599	27%
TANWAX CREEK	Pierce, Thurston	23794	13623	57%
TATE	King	10197	2438	24%
TEANAWAY-MASON CREEK	Kittitas	26955	5840	22%
THOMPSON CREEK	Spokane	29780	13269	45%
TOUTLE RIVER	Cowlitz, Lewis	39096	10580	27%
TULALIP CREEK	Island, Snohomish	27861	6480	23%
TUNK	Okanogan	46087	10055	22%
UPPER LAKE ROOSEVELT/DEEP CREEK	Stevens	32578	11635	36%
UPPER LONG LAKE	Spokane, Stevens	33716	14926	44%
UPPER WF SANPOIL	Okanogan	34292	7830	23%
UPPER YAKIMA RIVER/SILVER CREEK	Kittitas	25082	6537	26%
VASHON ISLAND	King, Kitsap, Pierce	49866	11864	24%
VEDDER	Whatcom	21386	7166	34%
W DEER CREEK	Ferry	51396	12786	25%
W KITSAP	Jefferson, Kitsap, Mason	41879	13525	32%
W PRONG	Klickitat	29206	6691	23%
WAUCONDA SUMMIT	Ferry, Okanogan	45849	12226	27%
WEST BRANCH	Pend Oreille, Spokane, Stevens	65157	19678	30%
WILLAPA HEADWATERS	Pacific	62850	13766	22%
WOODLAND CREEK	Mason, Pierce, Thurston	43393	10795	25%
WOODS CREEK	Snohomish	42501	13800	32%
YACOLT	Clark	54997	17297	31%
YELM CREEK	Pierce, Thurston	59426	20589	35%
YOUNG COVE	Mason, Thurston	14503	5464	38%

Number of Forest Practices Applications (FPAs)

RCW 76.13.110(5)(d) Estimates of the number of forest practices applications and notifications filed per year for forest road construction, silvicultural activities to enhance timber growth, timber harvest not associated with conversion to nonforest land uses, with estimates of the number of acres of nonindustrial forests and woodlands on which forest practices are conducted under those applications and notifications.

The Forest Practices Application Review System (FPARS) provides information on forest practices applications (FPAs) and their associated proposed forest management activities. The following table shows the total number of forest practices applications and the number of small forest landowner applications that meet the following criteria:

- Approved forest practices applications received from July 27, 2007 to December 1, 2008. This time frame was used because the forest practices application form first included a required question distinguishing between large forest landowners and small forest landowners in July 2007.
- Forest practices activities included in the summary are proposed road construction, right-of-way harvest, salvage, and timber harvest not associated with conversion to non-forest land uses.

Table 5: Number of Forest Practices Applications (7/27/07 to 12/1/08)

Area	Total Number of Forest Practices Applications	Total Number of Small Forest Landowner Applications	% of Total Small Forest Landowner Applications
Western Washington	4,085	855	21%
Eastern Washington	1,186	657	55%
Totals	5,271	1,512	29%

The 1,512 small forest landowner applications during this time period were associated with a total proposed acreage of 100,070: 30,594 acres in Western Washington and 69,476 acres in Eastern Washington.

Recommendations

RCW 76.13.110(5)(e) Recommendations on ways the board and the legislature could provide more effective incentives to encourage continued management of nonindustrial forests and woodlands for forestry uses in ways that better protect salmon, other fish and wildlife, water quality, and other environmental values.

The following recommendations were developed by the Small Forest Landowner Office in partnership with the Small Forest Landowner Advisory Committee. The committee consists of seven members, made up of four small forest landowners and one representative each from Department of Ecology, Washington State Department of Fish and Wildlife (WDFW) and the

Tribes. These recommendations are prioritized into two categories; those priority efforts currently being pursued, and other important suggestions for future consideration.

Efforts Currently Being Pursued

1. Support the efforts of the Small Forest Landowner Office housed within DNR to:

- Fully fund the Forest Riparian Easement Program,
- Fully fund the Family Forest Fish Passage Program,
- Continue to develop forest practices alternate plan templates and regulatory incentives that assist small forest landowners,
- Obtain additional funding to complete, in partnership with WDFW, the statewide field inventory of fish passage barriers on small forest landowner forestland.
- Seek federal stimulus dollars in partnership with NOAA Fisheries to fund “shovel ready” fish passage barrier repairs.
- Continue efforts with all counties to improve and update the statewide forestland parcel database.
- Develop a conifer restoration template.

Other Suggested Efforts

2. Actively seek funding sources by partnering with state agencies and local governments to update the statewide forestland parcel database as well as support funding for counties needing GIS assistance. The database used for this report was based on 2007 parcel data. Parcel ownership and land cover is dynamic. The data in the database will require updating in order to have current future data about small forest landowners.

3. The Forest Stewardship Program is currently operating at historically low funding and staffing levels. This program encourages long-term retention and active management of family forest lands, in addition to helping landowners develop and implement Forest Stewardship Plans. As the national economic condition improves, increase funding in the Forest Stewardship Program to:

- Support an increase in the cost-share rate for stewardship sponsored forest management activities such as thinning, pruning, and slash disposal. Currently available federal cost-share grant funds require a 50% match from the landowner. Participation and completion rates were significantly higher under previous programs which provided up to 75% cost-share reimbursement.
- Increase education and technical assistance to landowners about: other income-producing special forest products (mushrooms, salal, ferns, boughs); wildfire risk reduction; and methods for wildlife management.

4. Support the Small Forest Landowner Advisory Committee’s recommendation to gain legislative direction and funding to establish the “Office of Conservation of Family Forest Landowner,” housed within the Office of the Governor, to (in order of importance):

- Advocate for family forest landowner conservation by telling the story of family forest landowners and advocating for them. Use the Oregon Forest Resources Institute (OFRI) as a model. OFRI is funded by timber harvest tax to improve public understanding of the state's forest resources and encourages sound forest management.
- Recognize good forestland stewardship,
- Research the potential of a carbon credit program for small forest landowners, and consider other ecosystem service markets such as credits for water quality, old-growth forest habitat, or viewshed protection.
- Deliver a statewide certification program that would help small forest landowners access specialty markets for their logs or other products.

Trends and Update on Recommendations in 2004 Legislative Report

RCW 76.13.110(6) By December 1, 2004, and every four years thereafter, the small forest landowner office shall provide to the board and the legislature an update of the report described in subsection (5) of this section, containing more recent information and describing:

a) Trends in the items estimated under subsection (5)(a) through (d) of this section;

The Small Forest Landowner Office is unable to provide clear and meaningful trends at this time due to the differences in data quality and data collection between 2001 and 2007. While the data collection process in 2001 produced data that provided an impression of small forest landowner demographics, the data collection efforts in 2007 produced a higher quality, more meaningful set of data. Fortunately, the 2007 data will provide a reliable baseline for future trend analysis. The critical factor for future trend analysis will be the availability of funding. The 2007 database will require future updating with then current landowner information. This process will be much like the 2007 data collection process. The next small forest landowner demographic report is due to the legislature in 2012. Funding for the data collection and assimilation process will be needed during the 2011-2013 biennium.

(b) Whether, how, and to what extent the forest practices act and rules contributed to those trends; and

The Small Forest Landowner Office is unable to provide clear and meaningful trends at this time. The data and methodology provided in the 2007 Washington State Forestland Database provide a solid baseline from which to more accurately analyze trends for the next demographic report due in 2012.

(c) Whether, how, and to what extent: (i) The board and legislature implemented recommendations made in the previous report; and (ii) implementation of or failure to implement those recommendations affected those trends.

The following information summarizes each recommendation made in the 2004 SFLO report and a corresponding 2008 status update.

Forestry Riparian Easement Program

2004 Recommendation

In 2004 there was a backlog of 75 unfunded applications to the forest riparian easement program with an average of five additional applications being submitted each month. The SFLO recommended the legislature increase funding for the program to address the backlog of applications. The agency submitted a decision package budget request for the '05 – '07 biennium.

2008 Update

Although this program received an increase in funding over the past four years, the amount of money remains inadequate. Since 2004, about 3.8 million dollars have been spent annually and 145 easements have been purchased. However, the program has continued to receive new applicants and it is projected that 72 applicants will be on the waiting list for funds at the end of June 2009.

Alternate Plans

2004 Recommendation

Prior to 2004 small forest landowners expressed the need for long-term forest practices permits. The SFLO recommended the Forest Practices Board promulgate rules that allow small forest landowners to utilize the alternate planning process to obtain long-term (e.g. 10-15 year) permits, and continue the development of small forest landowner management templates.

2008 Update

It was determined that the alternate planning process was not the appropriate vehicle to address small forest landowner's need for a long-term permit. In October of 2007, the Forest Practices Board adopted rules, outside of the alternate planning process, creating the small forest landowner long-term forest practices applications. Since then, and as of December 31, 2008, 11 long-term applications have been approved, and another 13 applications are in the review process.

In 2005, the *Western Washington Thinning Strategies for Overstocked Conifer-Dominated Riparian Management Zones* template was approved by the Forest Practices Board. Discussions are ongoing with the Small Forest Landowner Advisory Committee for future small forest landowner templates.

Family Forest Fish Passage Program

2004 Recommendation

In 2003 the State Legislature passed House Bill 1095 which created a cost-share program to provide financial assistance to small forest landowners to correct fish barriers. Given the strong interest shown by small forest landowners in this new program in 2004, the SFLO recommended

the legislature fully fund this program. The agency submitted a decision package budget request for the '05 – '07 biennium.

2008 Update

Since the implementation of the fish passage program for small forest landowners, the program has gained popularity among not only landowners but sponsors of these projects including conservation districts, Regional Fisheries Enhancement Groups and Tribes. Lead Entities across the State are very supportive of the program. Past funding has been allocated as follows:

- \$2.0 million dollars for the 2003-2005 biennium,
- \$4.15 million dollars for the 2005-2007 biennium, and
- \$6.0 million dollars for the 2007-2009 biennium.

While there has been an increase in allocated monies each biennium additional funding is needed to fill the demand. To date 167 projects have been constructed State wide opening up 420 miles of potential habitat. Landowners are very supportive of the program and often times refer other landowners to the Small Forest Landowner Office. Sponsors who manage the projects have indicated that of all the grant programs in the State, the cost-share program is the easiest to manage in terms of permitting and support from program staff.

Spatial Analysis of Washington's Small Forestlands

2004 Recommendation

In 2004 it was recommended that a comprehensive GIS analysis of small forestlands be conducted to answer the legislatively mandated questions listed in this report. The SFLO estimated that conducting this analysis every four years would cost approximately \$150,000 per round of analysis. The SFLO recommended that the Legislature provide the funding necessary to conduct this analysis on an on-going basis.

2008 Update

In 2008, the University of Washington's Rural Technologies Initiative completed a spatial analysis of Washington's small forestlands. Additional funding from the Legislature will assist in maintaining the database to keep the information current. The data has already proven to be useful in completing this report and also helps the SFLO in outreach and locating areas where our programs can better serve the small forest landowner population.

Provide Sufficient Staff within the SFLO to Fully Implement Programs

2004 Recommendation

In 2004 reduced staffing levels within the SFLO resulted in a slower turn around of Forestry Riparian Easement contracts and limited ability to provide technical assistance on alternate plans. The SFLO recommended the Legislature provide sufficient staffing levels in order to adequately implement all programs. The agency submitted a decision package budget request for the '05 – '07 biennium.

2008 Update

The SFLO hired a staff member in 2007 and in 2008 another staff member was hired through the Washington Department of Fish and Wildlife, both to assist landowners with long-term forest practices applications. In 2008 another staff member was hired to assist with processing Forestry Riparian Easements. These additional staff helped speed the rate of turnaround for the Forestry Riparian Easement contracts and provided technical assistance on long-term applications.

Appendix A - Methodology for Determining Acreage for Definition of Small Forest Landowner

Maximum acreage

The definition for small forest landowner found in RCW 76.13.120(2)(c) sets the maximum harvest allowed under the definition for small forest landowners at what is found in RCW 84.33.035, which is 2 million board feet.

Currently, no reliable method exists to determine which owners harvest less than two million board feet in a calendar year, therefore, RTI explains in the following discussion how small landowner maximum acreage size was calculated.

The Washington State Department of Revenue collects information on “Small Harvesters” which is self reported by timber harvesters, however, the Revenue database cannot be directly linked to parcels in the Forestland Database. A proxy for the 2 million board foot harvest limitation was developed to identify small forest landowner ownerships based on acreage and location in the state.

To estimate the acres for the Westside, RTI used yield curves, modeled stocking densities, and volume equations. For Site Class III ground RTI estimated 40 thousand board feet (Mbf) per acre can be harvested on a 50 year cycle (an average modeled rotation length for small forest landowner lands). Harvest restrictions due to buffers were assumed to be 20% of the landscape. Using Westside growth curves for high site III ground yields were assumed to be 50 Mbf per acre in 50 years, only 80% (or 40 Mbf per acre) of which is harvestable.

$$2,000,000 \text{ bf} / ((40,000 \text{ bf/acre}) / 50 \text{ years}) = 2,500 \text{ acres}$$

On the Eastside an estimated 4 thousand board feet per acre can be harvested on a 20 year cutting cycle on site IV ground. This assumes a 45% volume removal and corresponds to a 75+ year understory regeneration scenario producing 9 MBF.

$$2,000,000 \text{ bf} / ((4,004 \text{ bf/acre}) / 20 \text{ years}) = 9,990 \text{ acres}$$

Using these growth and harvest assumptions for Westside and Eastside forests acreage proxies for the Washington State small forest landowner 2 million board foot definitions were set at 2,500 and 9,990 acres respectively.

For more information see *The 2007 Washington State Forestland Database Final Report* by Luke W. Rogers and Andrew G. Cooke.

Minimum acreage

A minimum size parcel of 2 acre parcels was chosen for small forest landowner statistics because this is considered a practical acreage for timber management and because the forest practices rules only require a forest practices application for 2 acre or less parcels where contiguous ownership is less than 2 acres and there is a direct potential for damaging a public resource.

When there is no potential for damage of a public resource, a forest practices application is not required for contiguous ownership parcels less than 2 acres.

Appendix B - Percent small forest landowner forest land in each WAU in Washington.

Table 6: Percent Small Forest Landowner Forested Acres in WAU

WAU NAME	TOTAL WAU ACRES	Total Small Forest Landowner Forested Acres	% Small Forest Landowner Forest Land In WAU
ABERNATHY	39560	5676	14%
ACME	24267	3828	16%
ADAMS	149450	16	0%
AENEAS-CAPE LABELLE	39436	7523	19%
ALADDIN	50411	12301	24%
ALDER	36933	2989	8%
ALKALI CANYON AGRICULTURAL LANDS	365260	151	0%
ALPS	38631	593	2%
ALTA LAKE	36124	569	2%
ANDERSON CREEK	17536	3622	21%
ANDERSON ISLAND	15234	2831	19%
ANGRY MTN	31220	27	0%
ANTOINE CREEK	47090	8415	18%
BACON CREEK	32786	47	0%
BAINBRIDGE ISLAND	43513	7235	17%
BANGOR-PORT GAMBLE	42569	7559	18%
BARNABY CREEK	23607	1826	8%
BEAR CREEK	11661	217	2%
BEAR RIVER	24241	1219	5%
BEAVER CREEK	46677	22881	49%
BECKLER RIVER	64590	96	0%
BELL CREEK	52690	1174	2%
BELLINGHAM BAY	28311	2540	9%
BENSON CREEK	24375	448	2%
BIG BEND AGRICULTURAL LANDS	555660	28	0%
BIG CREEK	26758	1408	5%
BIG CREEK/GRADE CREEK	13796	7	0%
BIG GOOSE LAKE	80631	724	1%
BIG LAVA BEDS	46186	11	0%
BIG QUIL	57304	2411	4%
BIG SHEEP CREEK	47841	8388	18%
BIRCH BAY	179897	5044	3%
BIRD CREEK	40179	1229	3%
BLACK RIVER	66500	20692	31%
BLAKELY ISLAND	13274	4067	31%
BLANCHARD CREEK	41906	8538	20%
BLEWETT	38385	1637	4%
BLOCKHOUSE CREEK	50096	4478	9%
BLUE CREEK	29792	4593	15%
BOGACHIEL	29341	3045	10%
BOULDER CREEK	16754	2093	12%
BRACKEN CREEK	29105	7479	26%

<u>WAW NAME</u>	<u>TOTAL WAW ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAW</u>
BREMER	22657	3994	18%
BRIDGE CREEK	40945	1145	3%
BRODY	104719	6188	6%
BROOKS	16697	2977	18%
BUFFALO LAKE	43873	2661	6%
BULL CREEK	17229	6	0%
BUMPING	73372	30	0%
BUNKER CREEK	65676	18669	28%
BURLEY MTN	64176	517	1%
BUTLER CREEK	14400	593	4%
BYRD CANYON	11765	429	4%
CABIN CREEK	20249	1075	5%
CALIFORNIA-LOWER ROCK	59482	10652	18%
CALISPELL CREEK	58017	6204	11%
CAMANO ISLAND	64279	11474	18%
CAMAS VALLEY	57782	22983	40%
CANYON CREEK	40294	789	2%
CANYON CREEK/FLY CREEK	42439	366	1%
CANYON/WHISTLER	19716	56	0%
CARBON	89632	5897	7%
CARLTON	21143	81	0%
CARPENTER	29905	7930	27%
CATHLAPOTL	55723	11098	20%
CATT	13733	492	4%
CAVE CREEK	17916	1040	6%
CECILE CREEK	28410	1012	4%
CEDAR	49177	864	2%
CEDAR CREEK	14618	1278	9%
CEDAR CREEK/CHELATCHIE CREEK	35532	13922	39%
CEDAR CREEK/FISH CREEK	21718	4422	20%
CEDAR RIVER	56798	1139	2%
CEDAR RIVER/TAYLOR CREEK	19320	50	0%
CEE CEE AH CREEK	43332	1370	3%
CELILO	58042	179	0%
CHAMBERS-CLOVER	114929	5794	5%
CHAMOKANE CREEK	56125	25582	46%
CHAPMAN CREEK	37439	31	0%
CHEHALIS	18508	6896	37%
CHEHALIS HEADWATERS	44982	901	2%
CHEHALIS SLOUGHS	22516	1644	7%
CHELAN RIVER	37257	2724	7%
CHEWELAH CREEK	60773	11305	19%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
CHEWILIKEN CREEK	16784	3328	20%
CHICO CREEK	18287	4276	23%
CHILIWIST CREEK	26154	1789	7%
CHIMAKUM	90344	11904	13%
CHINA CREEK	38120	16272	43%
CHINOOK	26142	3526	13%
CHIWAUKUM	31068	1460	5%
CHIWAWA	41192	138	0%
CHOPAKA	14714	667	5%
CHUMSTICK	30232	4321	14%
CHURCH CREEK	11668	2501	21%
CLALLAM RIVER	54912	650	1%
CLE ELUM	44152	4415	10%
CLEARWATER CREEK	13713	153	1%
CLIFFDELL	50337	715	1%
CLOQUALLUM	44165	5757	13%
CLOVOS PASSAGE/CARR INLET	96394	25706	27%
COAL CREEK	23738	9663	41%
COLD CREEK AGRICULTURAL LANDS	325432	44	0%
COLEMAN	86444	1549	2%
COLUMBIA RIVER/ROCK CREEK	40285	3290	8%
COLVILLE RIVER/DRY CREEK	23702	9182	39%
CONBOY	24432	1562	6%
CONNELLY	3965	21	1%
COOK-ELK	29489	1635	6%
COOPER LAKE	58936	46	0%
COPALIS RIVER	57092	8004	14%
COPPEI CREEK	22117	10584	48%
COPPER CREEK	30691	786	3%
CORKINDALE	47269	5239	11%
COTTONWOOD CREEK	37811	14096	37%
COUGAR	43127	1962	5%
COULEE CREEK	34709	6326	18%
COULEE DAM	64976	1349	2%
COWICHE AGRICULTURAL LANDS	61280	143	0%
COWLITZ	38410	148	0%
COWLITZ RIVER/MILL CREEK	28085	10881	39%
COYOTE AGRICULTURAL LANDS	35098	120	0%
COYOTE CREEK	18602	180	1%
CROW CREEK	26109	2	0%
CUMBERLAND	19209	4971	26%
CURLEW CREEK	23298	7071	30%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
CURLEW LAKE	46241	14164	31%
CURRIER	30942	1625	5%
CUSHMAN	59363	420	1%
CYPRESS ISLAND	16545	370	2%
DAMFINO	32755	373	1%
DAN CREEK	10743	21	0%
DARLAND MTN	24943	1878	8%
DARTFORD CREEK	38310	8369	22%
DAVIS CREEK	42722	4332	10%
DAY CREEK	23756	1082	5%
DEAD CANYON	44170	2086	5%
DEADMAN CREEK	40513	2797	7%
DEADMAN CREEK/PEONE CREEK	53673	19727	37%
DECEPTION	54382	811	1%
DEEP CREEK	50012	4986	10%
DEER CREEK	42980	651	2%
DEER LAKE	47886	27254	57%
DELAMETER	28686	6985	24%
DELEZENE CREEK	40667	4090	10%
DEMING	28017	5454	19%
DERBY	38331	3342	9%
DIOBSUD CREEK	17044	478	3%
DISAUTEL	57342	396	1%
DISCOVERY BAY	75263	9822	13%
DRAGOON CREEK	59914	23231	39%
DRAYTON	38540	9882	26%
DRY CREEK	70594	175	0%
DUCKABUSH	51934	1664	3%
DUNGENESS VALLEY	94764	6269	7%
DYES INLET	29195	4379	15%
E LAKE ROOSEVELT	23042	3725	16%
E STRANGER CREEK	28452	12233	43%
EAST CREEK	20285	5169	25%
EDWARDS CREEK	9661	1675	17%
EF DICKEY	25760	1402	5%
EF HOQUIAM	25908	3178	12%
EF HUMPTULIPS	38268	1419	4%
EF SATSOP	37908	1043	3%
EF TILTON	19634	492	3%
ELECTRON	58557	7205	12%
ELK CREEK	37434	718	2%
ELK RIVER	70811	3226	5%
ELLENSBURG PASS	13508	768	6%
ELMER CANYON	19403	3491	18%
EMANUEL CREEK	22345	2693	12%
ENCHANTMENT	65155	2704	4%
ESQUATZEL COULEE	1058780	846	0%

AGRICULTURAL LANDS			
EVERETT	86307	11998	14%
<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
EXCELSIOR MTN	60914	1409	2%
FALL RIVER	26588	288	1%
FERNDALE	37371	3262	9%
FIDALGO ISLAND	58798	7064	12%
FINNEY	34433	477	1%
FIR ISLAND	28901	135	0%
FIRST CREEK	45786	2892	6%
FISH LAKE	21821	1096	5%
FLAT CREEK	67939	15545	23%
FOSS RIVER	35523	81	0%
FOUNDATION CREEK	19694	1795	9%
FRAZER CREEK	30650	319	1%
FRENCH CREEK	44652	1945	4%
FRENCH-BOULDER	45134	3440	8%
FRIDAY CREEK	22006	7066	32%
FROSTY MEADOW	40122	1216	3%
GARRARD CREEK	20796	2692	13%
GEDNEY ISLAND	9153	50	1%
GEORGE CREEK	21729	15845	73%
GERMANY	15120	2375	16%
GIBSON CREEK	12264	1016	8%
GILLIGAN	17383	2262	13%
GILMER CREEK	24653	4913	20%
GLACIER CREEK	20301	122	1%
GOAT CREEK	10978	30	0%
GOAT LAKE	10180	1104	11%
GOAT MTN	42899	101	0%
GOODMAN-MOSQUITO	76565	50	0%
GOTCHEN CREEK	27635	437	2%
GRADE CREEK	35016	199	1%
GRAND COULEE			
AGRICULTURAL LANDS	484500	205	0%
GRANDE RONDE	54093	11439	21%
GRANDY	36442	4474	12%
GRANITE CREEK	40587	775	2%
GRAYS BAY	57806	9164	16%
GREAT BEND	63531	11756	19%
GREEN RIVER	45200	486	1%
GREENWATER	49586	138	0%
GRIFFIN CREEK	19982	2545	13%
GROUSE CREEK	25179	13666	54%
GUEMES ISLAND	17388	3481	20%
HALLER CREEK	88821	39591	45%
HALSEY BUTTE	67870	12489	18%
HAMILTON CREEK	32960	725	2%
HAMMA HAMMA	54988	42	0%
HANAFORD	41792	6327	15%
HANSEN CREEK	28416	4322	15%
HARKER CANYON	31255	4849	16%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
HARMONY	21659	5856	27%
HARRIS CREEK	23500	10444	44%
HARRISON CREEK	49916	2482	5%
HARSTINE ISLAND	19960	6315	32%
HARVEY CREEK	33010	803	2%
HAZEL	24216	1794	7%
HOKO	62220	1084	2%
HOLMES CREEK	17733	3313	19%
HOPE CREEK	25348	4460	18%
HORSESHOE FALLS	28416	6443	23%
HOWARD CREEK	39425	498	1%
HOWARD FLATS	38718	5498	14%
HOWARD HANSEN	46483	1119	2%
HUCKLEBERRY CREEK	50088	20897	42%
HUNTER MOUNTAIN	10191	137	1%
HUNTERS CREEK	27928	10129	36%
HUTCHINSON CREEK	14060	1308	9%
ILLABOT CREEK	27565	278	1%
INDEPENDENCE CREEK	19251	5184	27%
INDIAN DAN CANYON	15185	383	3%
INDIAN HEAVEN	68533	492	1%
IRON	59515	90	0%
JACKMAN CREEK	15428	1778	12%
JIM CREEK	30620	6089	20%
JOHNS RIVER	53350	3413	6%
JOHNSON CREEK	33721	1983	6%
JORDAN	15278	7394	48%
JORDAN-BOULDER	33017	3119	9%
KACHESS	40969	762	2%
KALALOCH RIDGE	26122	200	1%
KALISPELL CREEK	49462	1799	4%
KEECHELUS	35144	1468	4%
KENNEDY CREEK	23378	3710	16%
KETTLE RIVER/DEEP CREEK	27421	5942	22%
KEY PENINSULA	83447	36316	44%
KIONA	12735	1392	11%
KLICKITAT	30966	6019	19%
KLICKITAT MEADOWS	28636	7547	26%
KLICKITAT/BACON CREEK	21438	128	1%
KOOSKOOSKIE	18198	7837	43%
KOSMOS	18045	2363	13%
KUSSHI CREEK	48254	320	1%
LACAMAS	60997	19149	31%
LACAMAS LAKE	43486	7058	16%
LAKE CAVANAUGH	29882	1268	4%
LAKE CREEK	13840	859	6%
LAKE CRESCENT	51169	1391	3%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
LAKE MERWIN	34871	7252	21%
LAKE SAMMAMISH	23715	1834	8%
LAKE SHANNON	52572	1350	3%
LAKE WENATCHEE	10147	343	3%
LAKE WHATCOM	36265	6930	19%
LAKES	37535	2545	7%
LANNIGAN SPRING	31585	12629	40%
LATAH/SPANGLE	36702	4555	12%
LECLERC CREEK	66101	1815	3%
LESTER	32809	205	1%
LIBBY CREEK	25770	754	3%
LIBERTY	52017	1146	2%
LIBERTY CREEK	21258	4975	23%
LIBERTY-MILLER-APPLETREE	71002	15435	22%
LILLIWAUP	36587	4527	12%
LINCOLN CREEK	33097	7161	22%
LINCOLN PLATEAU	77032	83	0%
LITTLE BOULDER CREEK	38767	4468	12%
LITTLE CHAMOKANE	43418	2576	6%
LITTLE DEEP CREEK	31992	11595	36%
LITTLE KLICKITAT/CANYON CREEK	41545	5004	12%
LITTLE NESPELEM	57470	932	2%
LITTLE QUIL	27662	6573	24%
LITTLE SPOKANE/DEER CREEK	46039	20490	45%
LITTLE WASHOUGAL	30152	7680	25%
LITTLE WHITE SALMON RIVER	49019	2362	5%
LONE RANCH	14719	2497	17%
LONG ALEC CREEK	11512	1995	17%
LONG BEACH	122485	3483	3%
LONGVIEW	18571	874	5%
LOPEZ ISLAND	74475	9830	13%
LOST CREEK	60152	1615	3%
LOST HORSE	52359	10	0%
LOST RIVER	107085	28	0%
LOUP LOUP CREEK	41563	3662	9%
LOWER BONAPARTE	53375	10442	20%
LOWER CALAWAH	10041	1335	13%
LOWER CEDAR RIVER	39776	5680	14%
LOWER CHEHALIS/ELIZABETH CREEK	15785	1440	9%
LOWER CHEWUCH RIVER	39238	2102	5%
LOWER CHIWAHA	50333	2692	5%
LOWER CLEARWATER	39674	1398	4%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
LOWER COWEEMAN	49161	13361	27%
LOWER COWLITZ	27941	11242	40%
LOWER CRAB AGRICULTURAL LANDS	1621421	85	0%
LOWER DESCHUTES	57529	13058	23%
LOWER DICKEY	58688	683	1%
LOWER DOSEWALLIPS	45453	2261	5%
LOWER ELOCHOMAN	40630	5052	12%
LOWER ENTIAT	48720	2488	5%
LOWER GREEN-DUWAMISH	127823	14721	12%
LOWER HALL CREEK	25698	3354	13%
LOWER HOH RIVER	32167	1777	6%
LOWER HUMPTULIPS RIVER	58155	8081	14%
LOWER KALAMA	46354	13199	28%
LOWER KETTLE RIVER	32333	9433	29%
LOWER LATAH	38764	10583	27%
LOWER LITTLE PEND OREILLE	66385	14491	22%
LOWER LONG LAKE	45737	16126	35%
LOWER MIDDLE SNOQUALMIE	23975	1893	8%
LOWER MISSION CREEK	36160	5253	15%
LOWER NASELLE	41620	4732	11%
LOWER NASON	24435	2463	10%
LOWER NEWAUKUM	44834	20382	45%
LOWER NF SKOKOMISH	15533	348	2%
LOWER NF SKYKOMISH	32987	1319	4%
LOWER NF STILLAGUAMISH	36686	6468	18%
LOWER NORTH RIVER	44156	479	1%
LOWER OKANOGAN RIVER	39447	45	0%
LOWER PILCHUCK CREEK	19821	5706	29%
LOWER PILCHUCK RIVER	44912	18863	42%
LOWER PUYALLUP	88673	5648	6%
LOWER QUEETS RIVER	48992	404	1%
LOWER QUINAULT RIVER	94962	5550	6%
LOWER RIFFE LAKE	30318	2398	8%
LOWER SALMON CREEK	21302	2324	11%
LOWER SAUK	30578	2087	7%
LOWER SHERMAN CREEK	35006	2342	7%
LOWER SKAGIT FLATS	28279	1296	5%
LOWER SKOKOMISH	19117	4545	24%
LOWER SKOOKUMCHUCK	46858	9616	21%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
LOWER SNAKE AGRICULTURAL LANDS	462598	80	0%
LOWER SNOQUALMIE RIVER/CHERRY CREEK	35816	13442	38%
LOWER STILLAGUAMISH RIVER	30288	6802	22%
LOWER SUIATTLE	30424	879	3%
LOWER SWAUK CREEK	11744	4003	34%
LOWER TORODA	58976	9146	16%
LOWER WENATCHEE	79892	5595	7%
LOWER WHITE	46759	5706	12%
LOWER WILLAPA	36466	8172	22%
LOWER WIND	33590	2863	9%
LOWER WISHKAH	31103	3327	11%
LOWER WYNOOCHEE	41297	449	1%
LOWER YAKIMA WEST SIDE AGG LANDS	77792	50	0%
LUMMI ISLAND	25015	2722	11%
LYNCH COVE	37754	7102	19%
LYNDEN	28398	1375	5%
LYNX CREEK	23398	810	3%
MAD RIVER	58477	173	0%
MAGEE CREEK	58628	26442	45%
MAJOR CREEK	40556	8249	20%
MANILA CREEK	50433	1575	3%
MANY CREEKS	35979	1141	3%
MANY LAKES	28586	1050	4%
MARMOT RIDGE	30250	162	1%
MARSHALL CREEK	60170	14292	24%
MASHEL	57043	6006	11%
MASON	182295	41960	23%
MATHESON ROAD CREEK	138	133	96%
MAZAMA	31168	91	0%
MCALLISTER	40371	3272	8%
MCLANE CREEK	26868	4887	18%
METHOW GOLD CREEK	56971	515	1%
MF SATSOP	37965	2377	6%
MF TEANAWAY	19370	241	1%
MIDDLE CASCADE RIVER	50966	25	0%
MIDDLE CREEK	28780	2736	10%
MIDDLE DESCHUTES	38124	4783	13%
MIDDLE ENTIAT	54054	289	1%
MIDDLE HOH	54352	980	2%
MIDDLE HUMPTULIPS	28456	4008	14%
MIDDLE KALAMA	53551	687	1%
MIDDLE LAKE CHELAN/COYOTE CREEK	24674	22	0%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
MIDDLE LAKE ROOSEVELT/HARVEY CREEK	52520	20530	39%
MIDDLE METHOW RIVER	60797	2971	5%
MIDDLE ROCK CREEK	48529	4023	8%
MIDDLE SAUK	24437	3118	13%
MIDDLE SNAKE AGRICULTURAL LANDS	1060607	23150	2%
MIDDLE WHITE	28677	251	1%
MILL CANYON	19092	2684	14%
MILL CREEK	15114	1438	10%
MILL CREEK/CLUGSTON CREEK	49796	23673	48%
MILL CREEK/DEVILS CANYON	27143	6665	25%
MILLER RIVER	29330	314	1%
MINERAL CREEK	21692	952	4%
MISSION	33123	940	3%
MOCLIPS	83605	7923	9%
MONTE CRISTO	46533	408	1%
MORAN CREEK	25259	8541	34%
MORSE CREEK	39435	1922	5%
MORTON	15074	2513	17%
MOSES COULEE AGG LANDS	730155	12260	2%
MOSQUITO CREEK	20099	2594	13%
MOX CHEHALIS	18655	4292	23%
MT BONAPARTE	38613	10131	26%
MT STUART	48297	3166	7%
MT ZION	22694	5082	22%
MUCK CREEK	79444	14851	19%
MUD MTN	34149	1331	4%
MUDDY CREEK	38693	5577	14%
MUDDY FORK COWLITZ	34621	28	0%
MUDDY RIVER	56212	48	0%
MYERS CREEK	69840	10975	16%
N ELOCHOMAN	23554	2	0%
N LAKE WASHINGTON	51370	541	1%
NACHES RIVER	21389	981	5%
NANAMKIN CREEKS	57089	1941	3%
NANEUM	54170	70	0%
NAPEEQUA	42393	1001	2%
NASELLE HEADWATERS	49134	3123	6%
NASON CREEK	29327	228	1%
NASON RIDGE	26705	232	1%
NAVARRA COULEE	31527	1702	5%
NEAH BAY	60937	18	0%
NEMAH	44903	1607	4%
NESPELEM RIVER	86909	4526	5%
NEWAUKUM	24818	4760	19%
NEZ PERCE CREEK	42272	2718	6%

<u>WAW NAME</u>	<u>TOTAL WAW ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAW</u>
NF ASOTIN CREEK	56084	209	0%
NF BOULDER	21335	250	1%
NF CALAWAH	30624	30	0%
NF CALISPELL CREEK	36023	1558	4%
NF COWICHE	19017	921	5%
NF DEEP CREEK	49149	6974	14%
NF GRANITE CREEK	45306	9695	21%
NF GREEN	18446	74	0%
NF MANASTASH	13454	181	1%
NF MINERAL CREEK	17545	35	0%
NF NEWAUKUM	33534	3449	10%
NF SALMON CREEK	35184	700	2%
NF SNOQUALMIE RIVER	66199	1364	2%
NF TEANAWAY	29766	227	1%
NF TIETON-TUMAC PLATEAU	55009	62	0%
NF TILTON	20833	5	0%
NF TOATS COULEE	42719	1556	4%
NF TOUTLE	41215	101	0%
NILE CREEK	34260	1270	4%
NINE MILE RESERVOIR	28115	2546	9%
NINEMILE CREEK	37355	351	1%
NINEMILE FLAT	19833	1533	8%
NINETEEN CREEK	8666	1243	14%
NOOKACHAMPS	46461	10185	22%
NOOKSACK/SILVER	13621	1208	9%
NORSE PEAK	50881	212	0%
NORTH HEADWATERS	34216	890	3%
NORTH-MIDDLE FORKS DEER CREEK	28806	6953	24%
N-S FORKS DEEP CREEK	24778	263	1%
N-S FORKS WENAS	36874	1363	4%
O BRIEN CREEK	28906	7605	26%
OAK CREEK	25069	959	4%
OCEAN SHORES COASTAL	28145	11	0%
OHANAPECOSH	43986	30	0%
OHOP CREEK	28484	4863	17%
OLEQUA	35487	13384	38%
OLNEY CREEK	19802	1718	9%
OMAK LAKE	34139	306	1%
ONION CREEK	47361	17676	37%
OR-A-PAK-EN CREEK	58943	24046	41%
ORAZADA CREEK	34455	5132	15%
ORCAS ISLAND	83708	20610	25%
OSTRANDER	18582	2887	16%
OTTER CREEK	91626	32618	36%
OZETTE LAKE	119162	1073	1%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
PACKWOOD LAKE	41107	1694	4%
PADILLA BAY	30155	1588	5%
PALIX	61280	4786	8%
PALOUSE AGRICULTURAL LANDS	1765555	46047	3%
PANAKANIC	37953	6501	17%
PANTHER CREEK	26588	401	2%
PARKE CREEK	82921	476	1%
PATAHA CREEK	18216	11210	62%
PATEROS LAKE AGRICULTURAL LANDS	442999	1537	0%
PATOS ISLAND	24444	51	0%
PATTERSON CREEK	15761	5387	34%
PEND OREILLE/CEDAR CREEK	41983	4413	11%
PEND OREILLE/DEER CREEK	30211	7031	23%
PEND OREILLE/SLATE CREEK	61060	6680	11%
PILCHUCK MTN	41341	5196	13%
PINE CREEK	26856	5343	20%
PINE CREEK/JUNIPER CANYON	40402	3507	9%
PINGSTON CREEK	13724	5071	37%
PLATEAU AGRICULTURAL LANDS	112729	12423	11%
PORT ANGELES	66980	5141	8%
PORTER CANYON	19789	2197	11%
PORTER CREEK	25452	990	4%
POSSESSION SOUND-N ELLIOT BAY	60216	1114	2%
POWELL CREEK	17848	3812	21%
PRIEST RIVER	20471	283	1%
PYSHT RIVER	63642	558	1%
QUARTZ CREEK	22464	2369	11%
QUARTZ MTN	29491	92	0%
QUILCEDA CREEK	33079	5940	18%
QUILLAYUTE RIVER	27568	1820	7%
QUILLISASCUT CREEK	23784	10551	44%
QUINAULT LAKE	60101	1544	3%
RACEHORSE CREEK	12534	822	7%
RAFT RIVER	109710	4768	4%
RAGING RIVER	22472	4051	18%
RANEY CREEK	13976	769	6%
RATTLESNAKE	36905	211	1%
REESE CREEK	19011	2512	13%
ROBINSON CANYON	34417	821	2%
ROCK CREEK	21377	2047	10%
ROCK-GLADE CENTRAL AGRICULTURAL LANDS	143288	83	0%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
ROCK-JONES	28318	5780	20%
ROUNDTOP CREEK	9522	1772	19%
RUBY CREEK	43934	1647	4%
S ELLIOTT BAY/E PASSAGE	49025	554	1%
S LAKE WASHINGTON	60648	2457	4%
S SINCLAIR INLET	26204	8161	31%
SALMON CREEK	41436	5780	14%
SALMON RIVER	20406	169	1%
SALT CREEK	70619	10803	15%
SALZER CREEK	11515	4063	35%
SAMISH BAY	27252	3957	15%
SAMISH RIVER	79994	11530	14%
SAMMAMISH RIVER	91535	11779	13%
SAN JUAN ISLAND	138195	15262	11%
SAND CREEK	17533	897	5%
SANPOIL/SCATTER CREEK	41153	4913	12%
SATSOP	54624	7046	13%
SATUS PASS	39756	79	0%
SCATTER CREEK	33928	8305	24%
SEKIU	65931	142	0%
SEQUIM BAY	31701	6095	19%
SEVENTEENMILE CREEK	43536	407	1%
SF AHTANUM	27214	279	1%
SF ASOTIN	25837	2931	11%
SF CALAWAH	46412	65	0%
SF CHEHALIS	35073	2223	6%
SF COWICHE	25117	4464	18%
SF GRAYS RIVER	16885	1891	11%
SF MANASTASH	31358	5378	17%
SF NEWAUKUM	25173	3905	16%
SF NINEMILE	18561	321	2%
SF SKOKOMISH	67156	434	1%
SF SKYKOMISH RIVER	47237	3791	8%
SF SNOQUALMIE RIVER	55655	4972	9%
SF TIETON RIVER	20352	3875	19%
SF TOATS COULEE	44603	4	0%
SF TOUCHET	24454	777	3%
SF TOUTLE	41958	1676	4%
SF WILLAPA	26146	3096	12%
SHAW ISLAND	9981	3102	31%
SHERMAN PASS	48559	105	0%
SIEBERT MCDONALD	88238	9597	11%
SILVAS CREEK	10192	3097	30%
SILVER	34140	180	1%
SILVER LAKE	27835	5397	19%
SILVERTON	46387	454	1%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
SIMILKAMEEN RIVER	58350	5453	9%
SINCLAIR ISLAND	7733	606	8%
SINLAHEKIN CREEK	46356	935	2%
SIOUXON	42705	20	0%
SIWASH CREEK	31277	1387	4%
SIXMILE CREEK	37533	5076	14%
SKAMOKAWA	51486	5977	12%
SKATE	34653	374	1%
SKOOKUM	62159	7694	12%
SKOOKUM CREEK	23172	629	3%
SKYKOMISH RIVER	34791	5053	15%
SLOAN CREEK	52220	2	0%
SMAY CREEK	14464	30	0%
SMITH CREEK	43659	2427	6%
SMITH POINT	29391	1231	4%
SNYDER CANYON	38520	6499	17%
SOAP LAKE	21379	539	3%
SOL DUC LOWLANDS	22229	1633	7%
SOL DUC VALLEY	45673	3000	7%
SOOES	69767	46	0%
SOUTH PRAIRIE	40149	5451	14%
SPADA LAKE	43632	984	2%
SPIEDEN ISLAND	7001	177	3%
SPOKANE URBAN	90348	17881	20%
SPRING COULEE	38950	1350	3%
SPRING CREEK	36693	4175	11%
SPRINGS	24552	151	1%
SQUALICUM CREEK	21136	5464	26%
SQUAXIN ISLAND	4050	517	13%
ST PETER-LAMBERT	29946	3904	13%
STAHLEY MTN	21345	4546	21%
STEHEKIN RIVER	218890	141	0%
STEMILT CREEK	50983	7116	14%
STENSGAR CREEK	35709	17210	48%
STEVENS CREEK	18494	456	2%
STILLAGUAMISH FLATS	24358	6599	27%
STILLMAN CREEK	29456	1831	6%
STILLWATER	28766	2536	9%
STORMY	41017	1493	4%
STUART ISLAND	17782	1557	9%
SULLIVAN	58373	807	1%
SULTAN RIVER	23383	3154	13%
SUMAS RIVER	35801	6088	17%
SUMMIT CREEK	29217	1644	6%
SUNDAY CREEK	15616	251	2%
SURVEYORS CREEK	40080	161	0%
SUTHERLAND-ALDWELL	56697	5153	9%
SWAKANE CREEK	26200	182	1%
SWALE	80503	2533	3%
SWAMP CREEK	50279	1643	3%

<u>WAU NAME</u>	<u>TOTAL WAU ACRES</u>	<u>Total Small Forest Landowner Forested Acres</u>	<u>% Small Forest Landowner Forest Land In WAU</u>
SWIFT RESERVOIR	68648	674	1%
TABLE ROCK	13894	127	1%
TACOMA CREEK	46322	1260	3%
TANEUM CANYON	19771	294	1%
TANWAX CREEK	23794	13623	57%
TARPISCAN	64915	1186	2%
TATE	10197	2438	24%
TEANAWAY-MASON CREEK	26955	5840	22%
TEELEY CREEK	9871	585	6%
TEKOA	64624	5129	8%
TENMILE CREEK	40545	5334	13%
TEPEE CREEK	85101	166	0%
TEXAS CREEK	18159	858	5%
THE BURN	33327	69	0%
THOMPSON CREEK	29780	13269	45%
TIETON RIVER	45451	175	0%
TIGER	40654	7890	19%
TOANDOS PENINSULA	70920	9415	13%
TOKUL CREEK	21458	145	1%
TOLT	63743	1985	3%
TONASKET CREEK	60845	8520	14%
TONATA CREEK	35940	5134	14%
TOULOU CREEK	28799	5447	19%
TOUTLE RIVER	39096	10580	27%
TRINITY	29383	17	0%
TROUT CREEK	21642	811	4%
TROUT CREEK/BEAR CREEK	39287	379	1%
TROUT LAKE	32131	1771	6%
TUCANNON	37085	7	0%
TULALIP CREEK	27861	6480	23%
TUMALUN CREEK	10244	1603	16%
TUMWATER CANYON	49271	4669	9%
TUNK	46087	10055	22%
TWENTYFIVE MILE CREEK	26800	97	0%
TWIN LAKES	23914	241	1%
TWIN RIVERS-DEEP CREEK	74038	716	1%
TWISP	157122	1982	1%
UMTANUM-SELAH AGRICULTURAL LANDS	214623	59	0%
UPPER CHEHALIS/CEDAR CREEK	26229	538	2%

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UPPER CHEHALIS/ROCK CREEK	27245	2652	10%
UPPER CHEWUCH RIVER	297622	85	0%
UPPER CLEARWATER	58139	33	0%
UPPER COWEEMAN	45109	600	1%
UPPER CRAB- WILSON AGG LANDS	1185643	8134	1%
UPPER DUNGENESS	45860	5	0%
UPPER GREEN RIVER	23680	50	0%
UPPER HALL CREEK	61661	259	0%
UPPER LAKE CHELAN	209481	802	0%
UPPER LAKE ROOSEVELT/DEEP CREEK	32578	11635	36%
UPPER LITTLE PEND OREILLE RIVER	3822	297	8%
UPPER LONG LAKE	33716	14926	44%
UPPER METHOW	121067	757	1%
UPPER MIDDLE SNOQUALMIE	85540	591	1%
UPPER MILL CREEK	42157	3812	9%
UPPER MISSION CREEK	23466	827	4%
UPPER NASON	45605	585	1%
UPPER NF STILLY	32758	168	1%
UPPER OKANOGAN RIVER	45361	1813	4%
UPPER RIFFE LAKE	19380	1043	5%
UPPER ROCK CREEK	13300	1902	14%
UPPER ROCK CREEK/ROSE CREEK	31262	1757	6%
UPPER SKOOKUMCHUCK	39355	220	1%
UPPER SOL DUC	56667	534	1%
UPPER WALLACE RIVER	20136	1254	6%
UPPER WASHOUGAL	31620	1219	4%
UPPER WF SANPOIL	34292	7830	23%
UPPER WHITE	29942	159	1%

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UPPER WYNOOCHEE	26355	182	1%
UPPER YAKIMA RIVER/SILVER CREEK	25082	6537	26%
VANCOUVER	124189	10146	8%
VASHON ISLAND	49866	11864	24%
VEDDER	21386	7166	34%
VERLOT	30704	2904	9%
VESTA-LITTLE NORTH	56366	3182	6%
W AENEAS	26619	1596	6%
W DEER CREEK	51396	12786	25%
W KITSAP	41879	13525	32%
W PRONG	29206	6691	23%
W STRANGER CREEK	28681	2541	9%
WADDEL CREEK	24322	1465	6%
WAKETICKEH CREEK	20463	1479	7%
WALDRON ISLAND	29433	2282	8%
WALLA WALLA AGRICULTURAL LANDS	737548	4888	1%
WANACUT	66703	3190	5%
WANNACUT- SPECTACLE- WHITESTONE	39790	6643	17%
WARNICK	14374	1327	9%
WATSON DRAW	16020	127	1%
WAUCONDA SUMMIT	45849	12226	27%
WENAS CREEK	31158	1143	4%
WENAS CREEK AGRICULTURAL LANDS	54673	29	0%
WEST BRANCH	65157	19678	30%
WEST FORK SANPOIL/GOLD CREEK	55264	764	1%
WF DICKEY	27140	79	0%
WF GRAYS RIVER	10408	856	8%
WF HUMPTULIPS	46590	476	1%
WF SALMON CREEK	41161	1783	4%
WF SATSOP	60397	976	2%
WF TEANAWAY	25066	722	3%
WF TILTON	12391	52	0%
WF WASHOUGAL	31828	5751	18%
WF-MF HOQUIAM	43654	2745	6%
WHIDBEY ISLAND	268262	44827	17%

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WHITE SALMON/BUCK CREEK	23879	3764	16%
WHITESTONE COULEE	39321	2735	7%
WILKESON	18134	1683	9%
WILLAME CREEK	13433	5	0%
WILLAPA HEADWATERS	62850	13766	22%
WILMONT CREEK	35486	810	2%
WILSON CREEK	30345	1037	3%
WINSTON	28886	982	3%
WISHKAH HEADWATERS	24386	2776	11%
WOLF CREEK	83739	2407	3%
WOOD GULCH	41508	921	2%
WOODLAND CREEK	43393	10795	25%
WOODS CREEK	42501	13800	32%
WYNOOCHEE RIVER S	57784	5087	9%
YACOLT	54997	17297	31%
YAKIMA RIVER/DRY CREEK	42927	2766	6%
YAKIMA RIVER/NANEUM CREEK	54640	387	1%
YAKIMA/SATUS AGRICULTURAL LANDS	603666	232	0%
YAKIMA/TOPPENISH AGRICULTURAL LANDS	456427	155	0%
YELM CREEK	59426	20589	35%
YOUNG COVE	14503	5464	38%
YOUNGS CREEK	26034	3752	14%