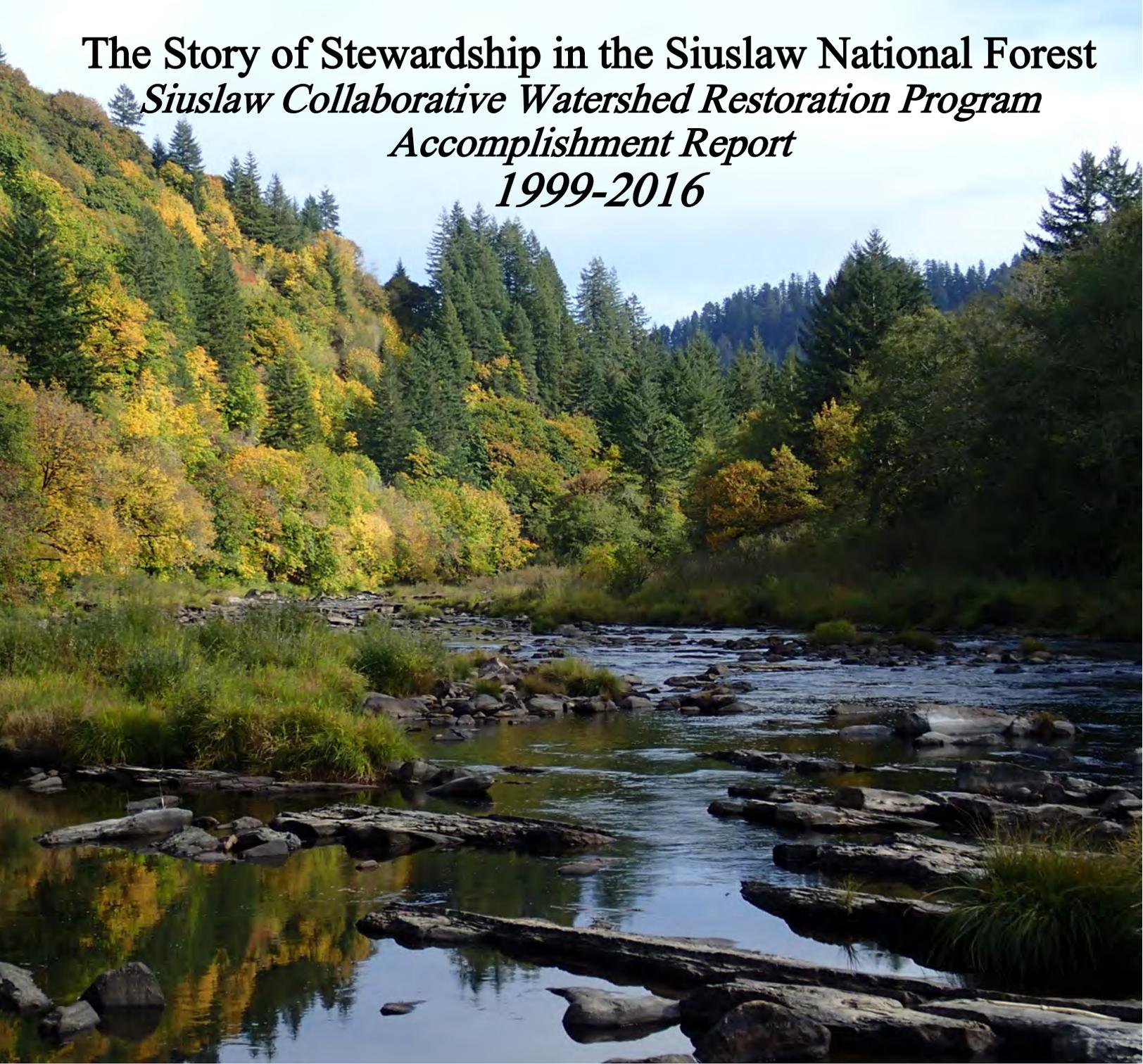


The Story of Stewardship in the Siuslaw National Forest
Siuslaw Collaborative Watershed Restoration Program
Accomplishment Report
1999-2016



Benefiting communities through collaborative partnerships in habitat restoration in and around the Siuslaw National Forest

September 2019

Cascade Pacific
Resource Conservation & Development



Partners in Collaboration



Robert Sanchez
Forest Supervisor
Siuslaw National Forest

It is my great pleasure to share this 18 year accomplishment report for the Siuslaw Collaborative Watershed Restoration Program guided by a cooperative agreement between Cascade Pacific and the Siuslaw National Forest. Operating through Stewardship Contracting Authority and the Wyden Amendment, local stewardship groups have collaborated through on-the-ground restoration work. Stewardship efforts pioneered in the Siuslaw Basin have since expanded to Alsea, Marys Peak, Hebo, and recently the Smith-Dunes areas, encompassing almost all of the lands of the Siuslaw National Forest.

The Siuslaw Collaborative Watershed Restoration Program allows Federal timber receipts to be leveraged with non-Federal matching funds, working across boundaries with willing private landowners to benefit the watersheds we share and the rural communities in which we live. The Siuslaw Collaborative Watershed Restoration Program on the Siuslaw National Forest stands as a showcase of the potential to bring local people together to build a sustainable economy around watershed restoration.

We look forward to continuing and expanding this partnership in the years ahead. Please join me in applauding the work of Cascade Pacific, the Siuslaw, Alsea, Marys Peak, Hebo and the Smith-Umpqua-Dunes Stewardship Groups, and this collaborative program that brings us all together.



Kirk Shimeall
Executive Director
Cascade Pacific RC&D



With over 20 years of partnering with the Siuslaw National Forest I am honored to present the following accomplishment report. This report documents the story of how stewardship came to be in and around the Siuslaw NF and how it continues to work today. Our long-time cooperative agreement with the SNF has led to many partnerships that have been built through participation from local communities and stakeholders

Funding from the Siuslaw Collaborative Watershed Restoration Program has built contracting capacity for watershed councils, soil and water conservation districts, and other non-governmental partners, putting people to work during a time of economic challenges in rural communities.

Cascade Pacific manages these funds as an active partner with the Forest Service, and supports the stewardship process. I look forward to continuing and expanding this partnership in the years ahead.

The benefits to the environment and the community can only get better, and we are excited to continue our partnership with the Siuslaw, Alsea, Marys Peak, Hebo and the Smith-Umpqua-Dunes Stewardship Groups. The commitment from the SNF stewardship collaborative program is the critical element that helps us all succeed in restoring the Siuslaw Watershed Basin.

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Cover photo: *Siuslaw River, Seth Meade, Siuslaw Soil & Water Conservation District*

Siuslaw Collaborative Watershed Restoration Program—*Summary*

The Siuslaw Collaborative Watershed Restoration Program is a forest stewardship cooperative collaboration between the Siuslaw National Forest, Cascade Pacific Resource, Conservation & Development (CPRCD), and many partners and stakeholders including local communities, landowners, watershed councils, contractors, government agencies, environmental organizations, businesses, and industry.

Mission

The SCRWP Program promotes whole watershed restoration from headwaters to estuaries through implementation of projects that provide both economic and ecological benefits to improve forest health, water quality, fish and wildlife habitat and local communities.

Purpose

To utilize stewardship [contract] timber sales to fund restoration projects on the Siuslaw National Forest and nearby private and non-federal lands within the Alsea, Hebo, Marys Peak, Siuslaw, and Smith-Umpqua-Dunes Stewardship Group areas.

Primary Goals

- ◆ *Accomplish critical restoration work*
- ◆ *Provide community jobs and other economic benefits*
- ◆ *Build and maintain strong relationships and trust among diverse groups of stakeholders*

Participating Partners (1999-2016)

Alsea Watershed Council
Americorp
Audubon Society
B&G Logging and Construction
Balance Restoration Nursery
Benton SWCD
Bio-Surveys
Boise Cascade
Boy Scouts of America
Bureau of Land Management
City of Corvallis
City of Lincoln City
Confederated Tribes: CLUSI
Confederated Tribes of the Siletz
Corvallis to the Sea Trail
Cramer Fish Services
Doak Creek Nursery
Ecotrust
Georgia Pacific
Hampton Industries
Integrated Resource Management
KFH Consulting
Lane County
Lincoln SWCD
Lincoln County Road Department

Marys Peak Alliance
Marys River Watershed Council
Mapleton Stream Team
MidCoast Watershed Council
Nestucca-Neskowin Watershed Council
National Marine Fisheries Service
Northwest Oregon Restoration Partnership
Oregon Department of Agriculture
Oregon Department of Fish & Wildlife
Oregon Department of Forestry
Oregon State Weed Board
Oregon Wild
Oregon Watershed Enhancement Board
Partnership for Umpqua Rivers
Resource Innovation Group
Rocky Mountain Elk Association
Roseburg Forest Products
Roseburg Resources
Salmon Drift Creek Watershed Council
Salmon Trout Enhancement Program
Save the Riders Dunes
Sitka Center for Arts & Ecology
Siuslaw National Forest
Siuslaw Stream Team
Siuslaw SWCD

Juvenile coho utilizing pools created through a log placement project by Siuslaw SWCD

Smith River Watershed Council
Swanson Group and Superior Mills
Tillamook Estuaries Partnership
Tillamook County SWCD
The Nature Conservancy
The Siuslaw Institute
The Wetlands Conservancy
Tillamook County SWCD
Trout Mountain Forestry
Umpqua SWCD
US Fish & Wildlife
Van Eck Foundation
Watershed Research & Training Center
Wavecrest Discoveries

Thank you to our participating partners!

The story of the Stewardship and SCWRP Program

Abundant Natural Resources

The SNF includes 630,000 acres of temperate rainforest along the Oregon coast extending from Tillamook to Coos Bay. High rainfall, deep soils, mild winters and low elevation create ideal conditions for some of the fastest and largest growing trees in the northwest including Douglas-fir, Sitka spruce, Western hemlock and Western red cedar.



Northern spotted owl
Strix occidentalis caurina

Over 1200 miles of streams provide prime habitat and spawning grounds for salmon and other anadromous fish. Areas of old growth forests along

the coast, including the Oregon Dunes National Recreation Area (ODNRA), provide critical habitat for threatened fish and wildlife species.

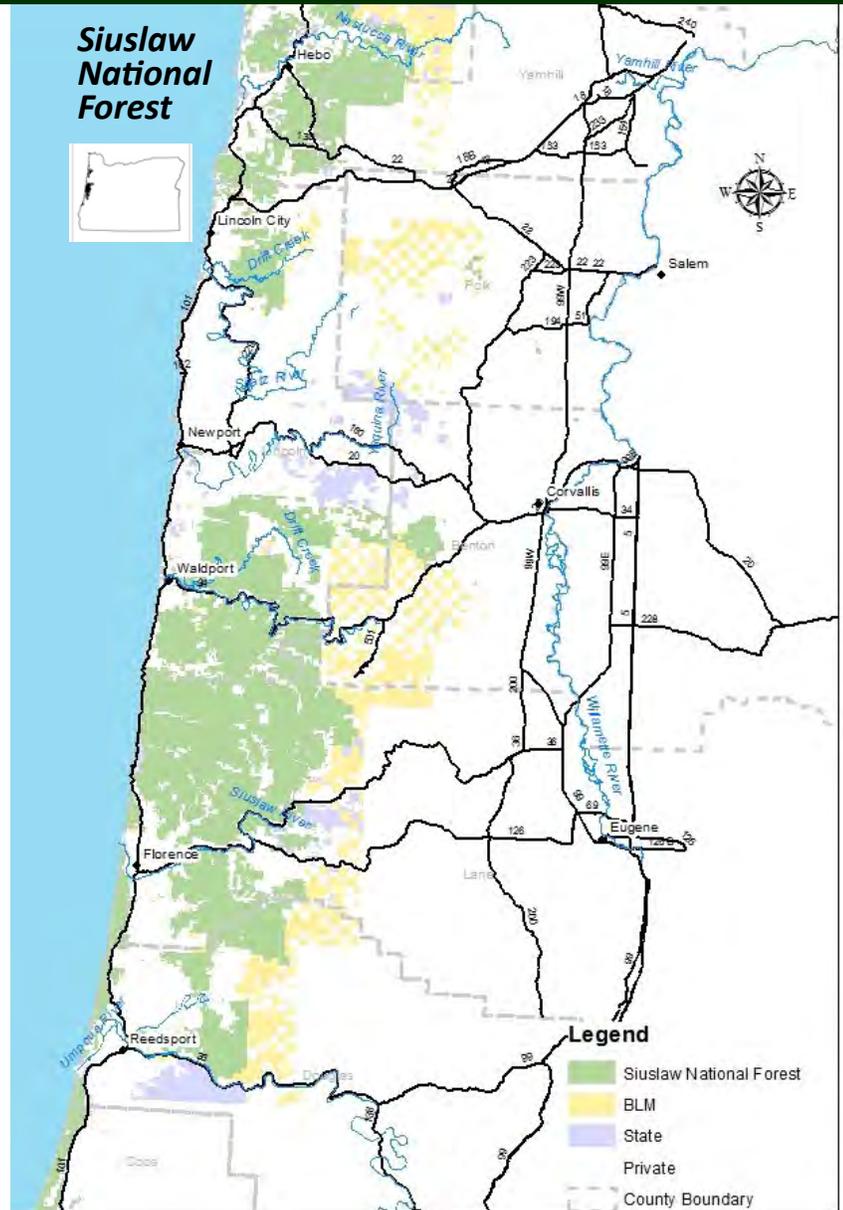
Impacts to the Watershed

In the post WWII era, improved access to interior coastal forests and rivers resulted in booming economies throughout central Oregon coastal communities. Timber harvest and production on the Siuslaw was at its peak from 1960-90, averaging 380 million board feet (mmbf) per year.

Intensive harvesting practices affected the forest ecosystem and its fish and wildlife populations. Impacts to watersheds included highly eroded streambanks, poor water quality, and impacts to critical fish habitat. Concerns about these impacts were voiced by citizens, stakeholders, local groups, and environmental activists.



Coho Salmon *Oncorhynchus kisutch*



Legal Challenges

By 1992 the annual timber harvest was reduced from 380 to 5 mmbf due to the litigation in 1988 that became known as the Headwall Injunction. The Region 6 Northwest Forest Plan (NWFP) was approved in 1994. Legal restrictions focused the harvesting of trees to 80 years and younger. The decline of timber harvest revenues severely affected the SNF budget as well as the local communities.

In 1995 a diverse group of partners joined to assess the issue of how to both restore the watershed and maintain economic growth in the community. As a result of new management directives and community input, forest management activities shifted from timber harvesting to a growing emphasis on watershed health, ecosystem management, and rural community benefits.

The Siuslaw Option

Collaborative efforts between the SNF staff and key stakeholders led to the process of addressing critical watershed restoration and forest management issues in and around the forest. Watershed assessments determined that 70-80% of the best habitat for threatened salmon was on private lands in the lower gradient reaches of the coastal watersheds. However, USFS funds were not permitted for use on private lands.

The SNF developed the idea to allow commercial thinning within the LSR areas through stewardship contracting (see following page for definition). A contingency of stakeholders traveled to Washington DC to gain support from Congress and in 1998 the Wyden Amendment to the Appropriations Act was passed. The Appropriations Act allowed the USFS and BLM to use retained receipts from stewardship contracting for projects that demonstrated improvements to whole watershed health and local communities.

From 1999 to 2002 Congress authorized the USFS to establish 84 stewardship contracting pilot projects nationwide. The Green Thin was the first SNF pilot stewardship contract, awarded in 2002 to Georgia Pacific to thin 900 acres of small diameter trees. In 2003 Congress passed the Healthy Forests Restoration Act (also known as Stewardship Contracting Authority), authorizing the Wyden Amendment for 10 years. Congress granted permanent authority under the 2014 Farm Bill.

From 1999-2016, 249 Siuslaw Collaborative Watershed Restoration Program Projects restored thousands of acres of watersheds within and surrounding the SNF.



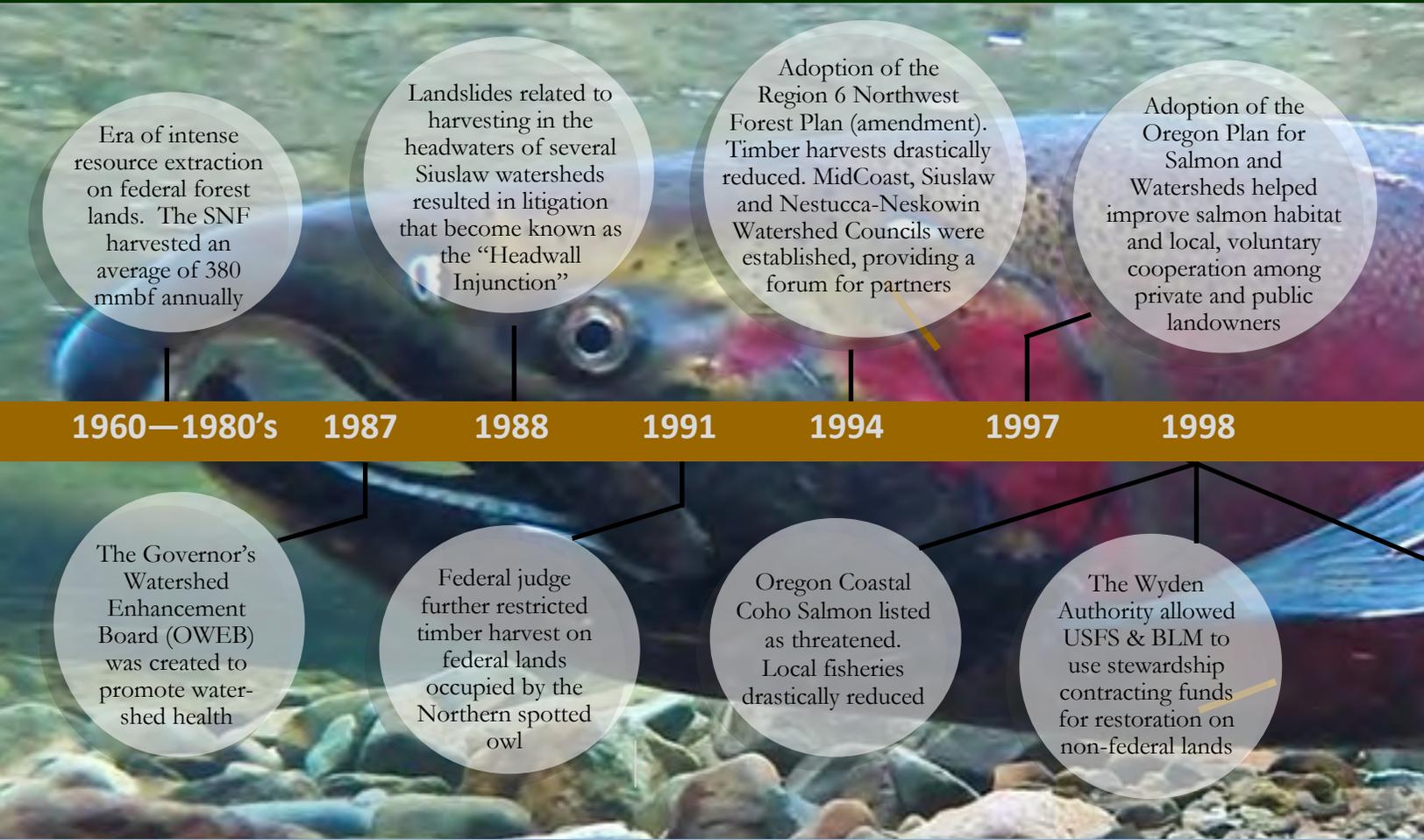
The vision and revolutionary concept of retaining the revenue from stewardship timber sales became known as the “Siuslaw Option”



With almost 20 years of stewardship collaboration under our belt, extraordinary opportunities have brought many local partners together to improve our watershed and our communities.

*Johnny Sundstrom
The Siuslaw Institute*

Stewardship Contracting on the Siuslaw National Forest



What is Stewardship Contracting?

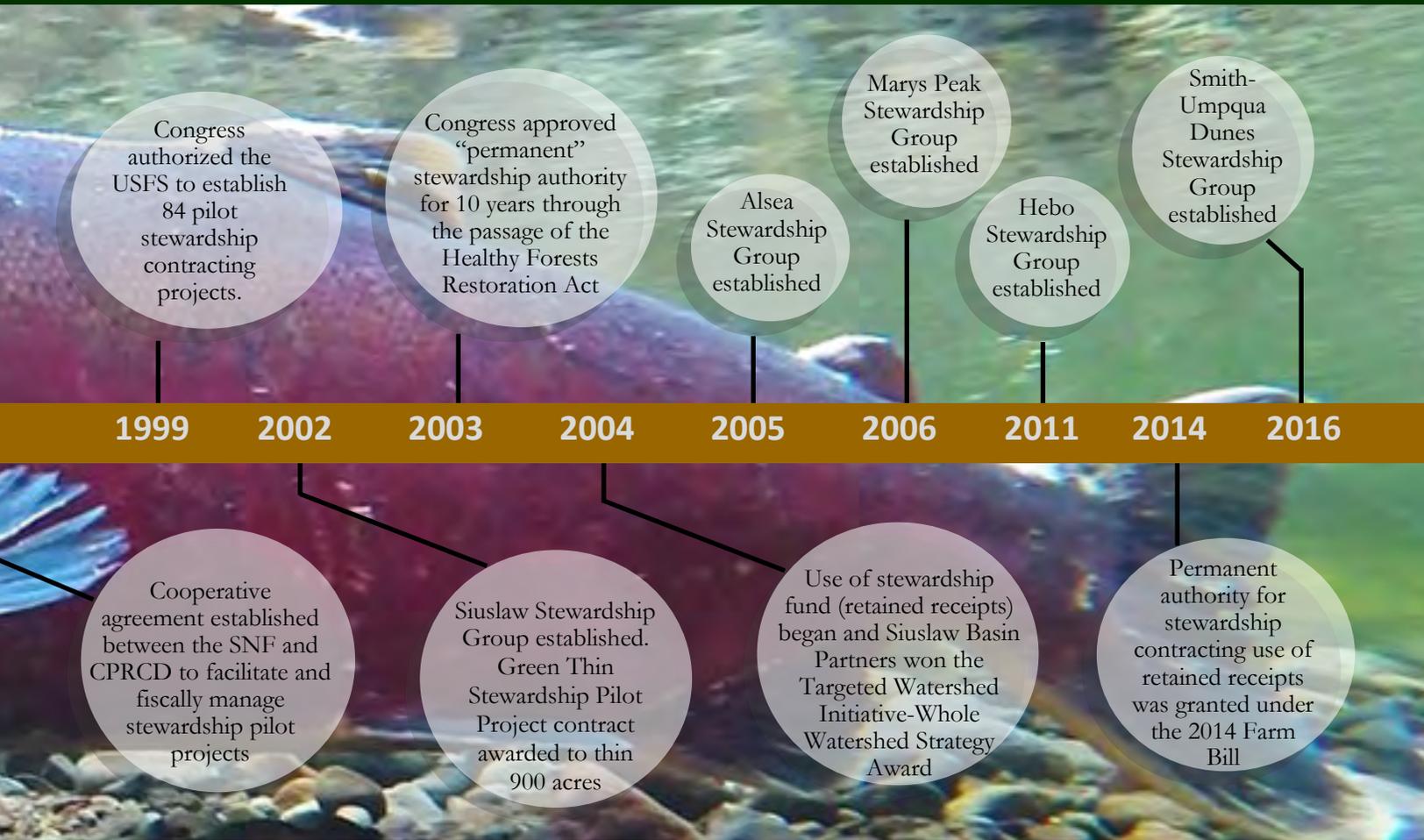
Stewardship contracting is a set of tools that combines forest restoration and rural community benefits. A stewardship contract allows commercial thinning operations within Late Successional Reserve Areas on the SNF. Traditional Timber Sales differ from Stewardship Contracting Timber Sales in several ways, as described below. Stewardship Timber sales/contracts include one or more of the following watershed restoration services performed by the purchasers and/or their sub-contractors through the SNF bidding process:

1. Thinning plantations up to 80 years old;
2. Stabilizing roads;
3. Improving fish passage through the installation or replacement of bridges and culverts;
4. Planting and protecting riparian areas for shade or erosion prevention;
5. Creating snags for wildlife habitat;
6. Treating invasive and noxious weeds;
7. Restoring in-stream fish habitat; and
8. Tree-planting for understory habitat or diversity.

Stewardship Timber sale/contracts:

- ◆ May have terms of up to 10 years and are awarded based on contractor's past performance, technical capability, price and local economic benefit;

A timeline of events that shaped and defined the program



- ◆ Include restoration work (listed above) that may be “bundled in with the value of the commercial forest products to offset the cost of acquiring land management services.”
- ◆ Provide revenues generated from retained receipts by the local national forest and may be used for watershed restoration projects on and off forest lands

Why is Stewardship Contracting important?

Stewardship contracting has helped the SCRWP Program find a balance between restoring the forest watershed ecosystem and maintaining the local economy.

Today stewardship timber sales (thinnings) on the SNF make up 50% of the total timber sales annually. Stewardship sales harvest approximately 20 mmbf/year, with a total of about 40 mmbf harvested annually on the SNF.

The SCRWP Program offers a forum that allows the stewardship groups and all participating partners including the SNF, the opportunity to work together on a multitude of restoration projects implemented since 1998.

SCRWP Structure and Guiding Principles

The SCRWP has three broad work areas:

1. Stewardship Contracting Timber Sales

- ◆ Commercial thinning operations that include restoration activities as part of the sale of the timber.
- ◆ Revenues from the sales provide the funding source (retained receipts) for the on and off forest restoration projects.

2. On-Forest Restoration Projects

- ◆ All projects are located on the SNF and are:
 - ⇒ managed by SNF staff; and
 - ⇒ presented annually to the Stewardship Groups for input.

3. Off-Forest Restoration Projects

- ◆ All projects are located on non-federal lands and are:
 - ⇒ managed by stewardship partners (watershed councils, SWCD's, local government, non-profits, etc.);
 - ⇒ required to demonstrate benefits to SNF public lands;
 - ⇒ reviewed and approved by the Stewardship Groups; and
 - ⇒ fiscally administered by CPRCD.

On & Off Forest Project Approval Process*

Project Development

Participants involved: SNF, Stewardship Groups (SG), Partners, and Landowners



Watershed Restoration Project Proposals

*On-Forest: SNF internal review and Stewardship Groups informed of On-Forest projects
Off-Forest: Potential projects presented to Stewardship Group partners*



SNF Review

Off-Forest Projects only



Prioritize and Recommend Projects

Stewardship Groups prioritize Off-Forest projects & SNF presents prioritized On-Forest projects to SG's



Stewardship Round Table (RT)

Representatives from each SG, Ranger District and other partners meet in the Fall to review and recommend prioritized list of Off-Forest projects to be funded



SNF Recommendation

Team reviews Off-Forest Project Proposals recommended by RT and forwards final approved proposals to the SNF Forest Supervisor



SNF Forest Supervisor Approval

SO reviews and forwards approved On and Off-Forest Project Proposals

**Current timelines are available at www.cascadepacificstewardship.org*



Program Framework and Governance



The SNF Stewardship guidelines:

1. Approximately half the timber sale activity on the SNF are Stewardship Timber Sale contracts.
2. Stewardship Timber Sale operations are designed to improve Late Successional Reserve areas and Riparian Reserve areas accomplishing the following:
 - ◆ Restore plantations to more natural conditions; and
 - ◆ Utilize the value of byproducts (wood) to generate annual revenue (retained receipts) to provide funding for stewardship restoration projects both on and off the SNF forest within the stewardship group areas.
3. Support SCRWP Stewardship Groups and Partnerships
 - ◆ Convene participants from a diversity of stakeholders
 - ◆ Maintain group charters, meeting norms and zones of agreement
 - ◆ Support local communities, create local economic areas
 - ◆ Coordinate, manage and implement stewardship projects annually

The SCRWP Funding

Approximately \$1,000,000 per year*



Is generated through



Retained receipts from SNF Stewardship Timber Sales



Retained receipts provide funding for the Siuslaw Collaborative Watershed Restoration Program Projects



On-Forest projects receive +/- 60% of the funds



Off-Forest projects receive +/- 40% of the funds

**amount varies from year to year*

Siuslaw National Forest Stewardship Groups

The SCRWP Stewardship Groups are a cooperative collaboration between the Siuslaw National Forest (SNF), CPRCD, and community partners.

The purpose of the Stewardship Groups is to:

- ◆ network in and engage local communities;
- ◆ promote, guide and prioritize Off-Forest restoration projects;
- ◆ support projects that benefit local communities and their economy; and
- ◆ provide input on upcoming On-Forest watershed restoration projects and Stewardship Timber Sales.

Each area is represented by a group of individuals and organizations that may include participants from:

- ◆ local watershed councils
- ◆ private landowners
- ◆ industry
- ◆ tribes
- ◆ soil & water conservation districts
- ◆ state and federal government agencies
- ◆ environmental and conservation groups
- ◆ consultants

Current Stewardship Groups and geographic areas: (see map)

- ◆ **Siuslaw Stewardship Group (SSG)**
Established 2003 - participants from the Siuslaw Watershed area
- ◆ **Alsea Stewardship Group (ASG)**
Established 2006 - participants from the Alsea and Yachats Watershed areas
- ◆ **Marys Peak Stewardship Group (MPSG)**
Established 2007 - participants from the Marys River Watershed area
- ◆ **Hebo Stewardship Group (HSG)**
Established 2011 - participants from Tillamook to Salmon River areas
- ◆ **Smith-Umpqua-Dunes Stewardship Group (SUDSG)**
Established 2016 - participants from the Oregon Dunes and Smith-Umpqua River areas

CPRCD provides each Stewardship Group with designated facilitators to:

- ◆ Lead monthly meetings and discussions about restoration projects and other issues and events that further their goal of restoring the forest ecosystem of the Siuslaw National Forest and surrounding lands.
- ◆ Organize a Joint Annual Meeting, two Roundtable meetings and annual field trips.

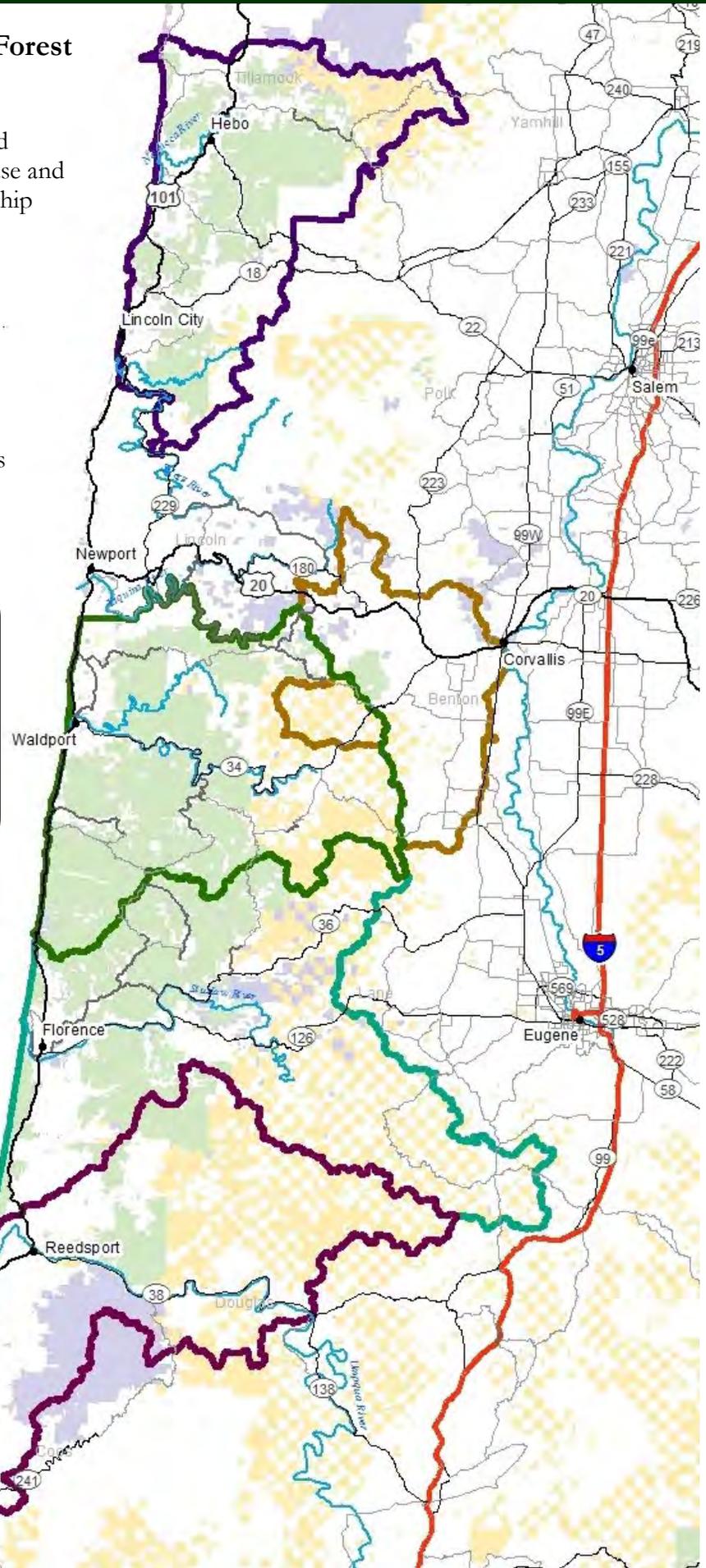


Why are Stewardship Groups and Off-Forest projects important?

All Off-Forest projects must benefit the lands and resources on the SNF, and promote sustainable use and enhancement of natural resources in the stewardship group areas.

Off-Forest projects may:

- ◆ reduce forest fragmentation
- ◆ provide high value habitat restoration
- ◆ control invasive weeds
- ◆ improve fish passage
- ◆ create wildlife corridors
- ◆ improve or decommission degraded roads



Snowy Plover Habitat Dunes-Restoration Project -Siuslaw and Alsea Stewardship Groups Field Trip in 2015

Siuslaw National Forest Stewardship Group Boundaries

Legend

Stewardship Zones

- Alsea
- Hebo
- Marys Peak
- Siuslaw
- Smith River

Ownership

- Siuslaw National Forest
- Bureau of Land Mangement
- State
- Private
- County Boundary



Multi-party Monitoring, Outreach and Facilitation

Multi-party Monitoring— *Services provided by contracted forester*

A comprehensive ACCESS® database has been developed and is annually updated for the purpose of tabulating biophysical accomplishments and economic outcomes of all SCRWP restoration projects. The SNF provides appropriated funds annually for Multi-party Monitoring (MPM) of the Stewardship Timber Sales and On and Off Forest restoration projects. Annual MPM reports are available at www.cascadepacificstewardship.org.

On and Off-Forest projects are monitored and tracked by obtaining detailed information from Project Managers regarding project specific biophysical and economic outcomes. Detailed progress and final reports provide the quantity and specific units of measurement (acres, miles, etc.), cost, and county of labor performed for each restoration category (based on a standardized list, i.e. riparian planting, culvert replacement, etc.).

Stewardship Timber Sales are monitored by a contract forester through sample plots and photo point establishment.

⇒ **Common Stand Exams (CSE)** include plot sampling of pre-harvest ecological data to establish baseline data and track changes in stand dynamics post-harvest.

CSE plots (right) are installed or re-measured annually on various Stewardship Timber Sale. Data collected includes:

- ◆ Live and dead trees;
- ◆ Vascular plants (herbs, shrubs, grasses);
- ◆ Saplings and seedlings; and
- ◆ Down wood.

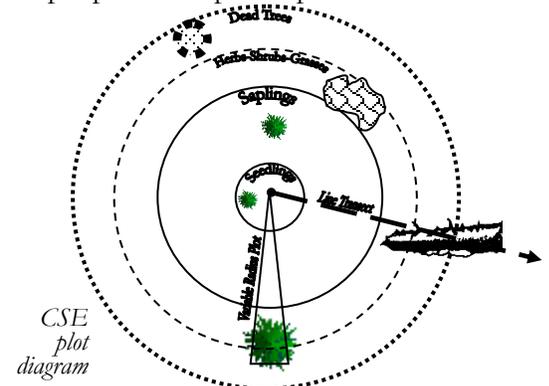


Photo Point Monitoring includes establishing pre and post-harvest photo point plots to document pre-harvest conditions and track changes resulting from timber harvesting associated with stewardship contracts. Shown below is an example of how thinning the stand opened the canopy, and after only three years the canopy began to close in.

Jeep Thin Unit 1 Plot 2—overhead & north views



Pre-thinning—2009

Post-thinning- 2011

Post-thinning—2014

Stewardship Group Meeting Facilitation and Coordination — CPRCD Services

The SNF provides appropriated funds to contract with CPRCD on an annual basis to facilitate the Stewardship Groups involved in the Siuslaw Collaborative Watershed Restoration Program.

CPRCD provides facilitation services for the:

- ◆ Alsea, Marys Peak, Hebo, Siuslaw, and Smith-Umpqua Dunes Stewardship Group meetings;
- ◆ Joint Annual Stewardship Group meetings;
- ◆ Spring and Fall Roundtable Meetings; and
- ◆ Stewardship Group annual field trips.

Facilitation services include consistent communication between the group participants, the SNF, and others.



Outreach—Stewardship Group Projects

The SNF provides appropriated funds for Stewardship Group public Outreach projects, events, publications and displays. Members may put forth proposals (under \$1500). Each group votes on the submittals and prioritizes those that meet the goals and specific charge of the group.

Shown below is an example of funds that were awarded to Marys River Watershed Council, who provides environmental education programming for a City of Corvallis Parks and Recreation outdoor camp near the Rock Creek Watershed off Highway 34.



Siuslaw Collaborative Watershed Restoration Projects

Program-wide Outcomes

Outcomes for all three program projects are tabulated annually in an ACCESS® database maintained by Cascade Pacific RC&D as part of the Multi-party Monitoring program. From 1999—2016 over 249 projects have contributed to restoring critical habitats and providing local economic benefits for the communities in and around the SNF.

Biophysical Accomplishments

VEGETATION MANAGEMENT

33,338	native trees planted on 826 acres upland forest
15,371	seedling protectors installed
15,310	native plants planted on 177 acres meadow habitat
8,069	acres Stewardship Timber Sale (STS) commercial thinnings
135.4	mbf (millions of board feet) harvested on STS
3,308	acres pre-commercial forest thinning
3,163	acres meadow enhancement/maintenance mowing
16,067	snags created
13,168	pieces coarse woody debris created
390	acres site prep - mechanical/manual
93	acres site prep - herbicide
8	acres - piling

STREAM, LAKE OR WETLAND TREATMENTS

168,789	native trees planted on 3581 acres and 28 miles riparian areas
2,030	in-stream log placement
75	culverts or bridges replaced or repaired
6	miles of fencing installed in riparian areas
4	fish ladders/passage improvements

INVASIVES CONTROL

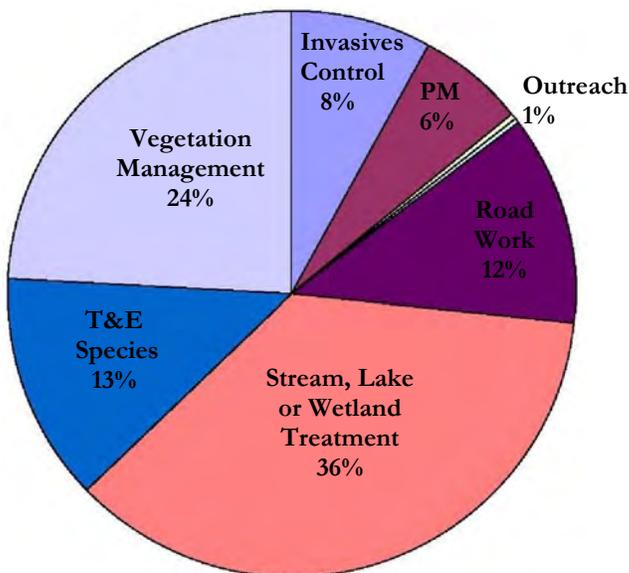
6,602	acres along 160 miles riparian areas herbicide treatment
674	acres along 26 miles riparian areas mechanical/manual treatment
363	acres meadow/dunes/upland forest herbicide treatment
42	acres meadow/dunes/upland forest mechanical/manual treatment
47	miles roadsides mechanical/manual treatment
63	miles roadsides herbicide treatment

ROAD WORK

41	miles road decommissioning
161	miles road brushing, grading, rocking, culvert /fill removal
8	acres roadside planting

THREATENED & ENDANGERED SPECIES

1,400	acres T&E habitat restoration (snowy plover & silverspot butterfly)
7,627	acres T&E predator control/species protection
85	birdhouses installed



Expenditures by Restoration Type

Stream, Lake, or Wetland	\$ 47,507,896.16
Road Work	\$ 15,766,005.10
T&E Species	\$ 17,150,387.76
Vegetation Management	\$ 32,638,917.51
Project Management (PM)	\$ 8,126,535.42
Invasives Control	\$ 10,557,459.54
Outreach/Recreation/Other	\$ 741,293.57
TOTAL	\$ 132,488,495.12

Award and Match by Distribution

Project Award from USFS:	\$135,414,180.72
Project Match from Partners	<u>\$195,586,682.00</u>
TOTAL Project Costs	\$326,000,862.72

Outcomes & Funding Summaries 1999-2016

Local Economic Benefits

County	\$Earned	Avg Wage	State Taxes	Hrs Wkd	FTE Jobs
Baker, OR	\$ 3,895,130.70	\$ 25.00	\$ 350,561.76	155,805.23	77.28
Benton, OR	\$ 24,256,581.99	\$ 22.76	\$2,174,365.63	1,065,648.07	528.60
Clackamas, OR	\$ 46,200.00	\$ 12.42	\$ 4,158.00	3,719.01	1.84
Coos, OR	\$ 6,605,779.71	\$ 24.76	\$ 592,210.16	266,822.83	132.35
Deschutes, OR	\$ 5,000.00	\$ 12.29	\$ 450.00	406.83	0.20
Douglas, OR	\$ 381,233.28	\$ 19.58	\$ 34,067.78	19,469.93	9.66
Lake, OR	\$ 626.12	\$ 14.23	\$ 0.09	44.00	0.02
Lane, OR	\$ 29,011,064.92	\$ 24.22	\$2,604,221.97	1,197,789.08	594.14
Lincoln, OR	\$ 8,327,425.00	\$ 24.57	\$ 749,468.25	338,989.33	168.15
Linn, OR	\$ 667,295.06	\$ 23.50	\$ 60,056.56	28,397.80	14.09
Marion, OR	\$ 327,667.47	\$ 20.91	\$ 26,724.71	15,670.95	7.77
Multnomah, OR	\$ 450,616.15	\$ 19.50	\$ 40,555.45	23,104.49	11.46
Polk, OR	\$ 671,844.36	\$ 20.66	\$ 57,623.83	30,984.85	16.12
Tillamook, OR	\$ 2,974,481.70	\$ 22.44	\$ 267,703.44	132,576.78	65.76
Wallowa, OR	\$ 27,750.00	\$ 21.37	\$ 2,497.50	1,298.55	0.64
Yamhill, OR	\$ 2,678,217.60	\$ 25.00	\$ 241,039.58	107,144.98	53.15
Lewis, WA	\$ 237,412.00	\$ 23.12	\$ -	10,270.35	5.09
TOTAL	\$80,564,326.06	\$20.96	\$7,208,546.87	3,399,657.59	1,686.32



Rock Creek Bridge Replacement and Channel Restoration
Siuslaw National Forest



Roadside Invasive Knotweed Control Project
Tillamook County Soil and Water Conservation District

Stewardship Timber Sale Contracts

2002-2016 SNF Stewardship Timber Sale Summary

27	-	Stewardship Timber Sales awarded to local purchasers
8,069	-	Acres thinned to enhance old growth conditions
\$135,414,180	-	Revenue generated from Stewardship Timber Sale retained receipts*

**Amount of Stewardship Funds available for On and Off-Forest watershed restoration projects within the boundaries of the Siuslaw National Forest and surrounding non-federal lands for project that demonstrate benefits to the adjacent or nearby SNF lands.*

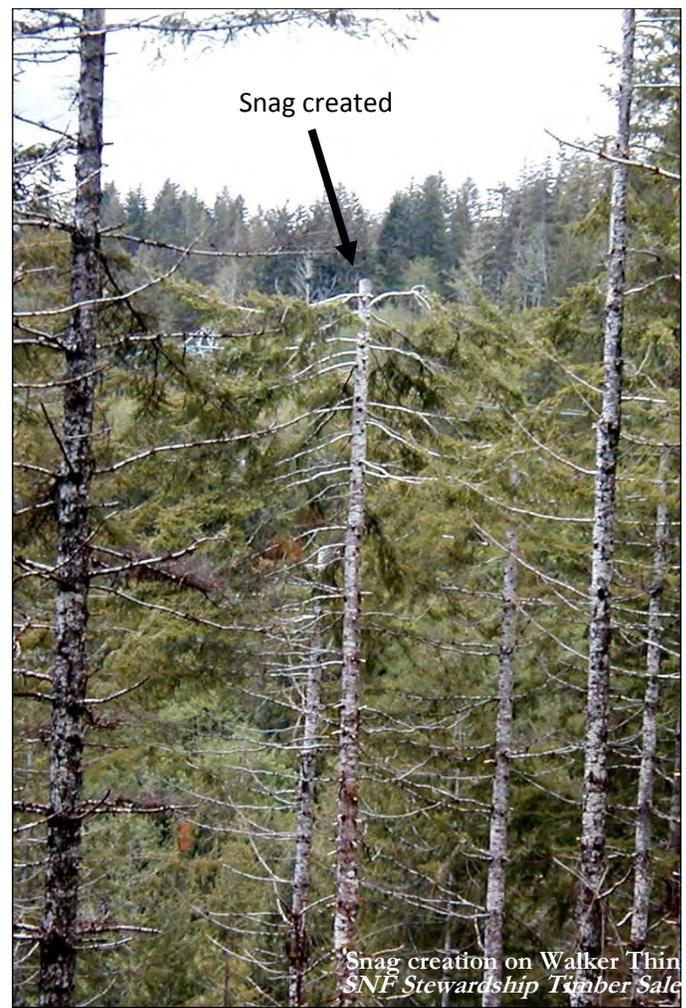
As determined by the SNF, Stewardship Timber Sale contracts can include specific restoration activities that are “bundled” into the contract and required to be performed by the purchaser as part of the sale award.

The restoration outcomes from 2002-2016 are listed below.

Biophysical Accomplishments—*Restoration services by timber sale contractors*

VEGETATION MANAGEMENT

30,138	native trees planted on 725 acres of upland forest
13,400	seedling protectors installed
11,450	native plantings on 160 acres meadow habitat
8,078	acres Stewardship Timber Sales (STS) thinning
135	mbf (millions of board feet) harvested on STS
646	acres pre-commercial forest thinning
24	acres site prep - herbicide
48	acres site prep - manual/mechanical
8	acres piling
14	acres meadow enhancement/maintenance
13,038	snags created
13,168	pieces course woody debris created



STREAM, LAKE OR WETLAND TREATMENTS

240	in-stream log placement - helicopter
10,000	trees planted on 40 acres in riparian areas
16	culverts or bridges replaced or repaired
1.2	miles of fencing installed in riparian areas

INVASIVES CONTROL

370	acres riparian areas herbicide treatment
268	acres meadow/dunes/upland forest herbicide
61	acres roadsides herbicide/mechanical treatment

ROAD WORK

34	miles road decommissioning
116	miles road brushing, grading, rocking, culvert/fill remov-

Local Economic Benefits-Logging, Mill work and Restoration contractor jobs

County	\$Earned	Avg Wage	State Taxes	Hrs Wkd	FTE Jobs
Baker, OR	\$ 3,895,130.70	\$ 25.00	\$ 350,561.76	155,805.23	77.28
Benton, OR	\$ 23,448,653.38	\$ 22.84	\$ 2,101,652.06	1,026,498.73	509.18
Coos, OR	\$ 6,456,884.35	\$ 24.93	\$ 578,809.58	259,008.89	128.48
Douglas, OR	\$ 148,830.97	\$ 20.11	\$ 13,151.58	7,402.38	3.67
Lake, OR	\$ 626.12	\$ 14.23	\$ 0.09	44.00	0.02
Lane, OR	\$ 27,345,864.70	\$ 24.62	\$ 2,454,353.95	1,110,759.67	550.97
Lincoln, OR	\$ 7,724,792.35	\$ 25.00	\$ 695,231.31	308,974.13	153.26
Linn, OR	\$ 492,249.91	\$ 25.00	\$ 44,302.49	19,690.00	9.77
Marion, OR	\$ 165,471.47	\$ 21.06	\$ 12,127.07	7,856.75	3.90
Polk, OR	\$ 662,890.79	\$ 20.74	\$ 59,660.17	31,967.04	15.86
Tillamook, OR	\$ 2,815,507.08	\$ 22.61	\$ 253,395.73	124,549.95	61.78
Yamhill, OR	\$ 2,677,486.60	\$ 25.00	\$ 240,973.79	107,099.46	53.12
TOTAL	\$ 75,834,388.41	\$22.59	\$ 6,804,219.58	3,1539,656.23	1,567.29



Log loading at Early School Thin
SNF Stewardship Timber Sale

On-Forest Stewardship Restoration Project

Biophysical Accomplishments—*Restoration tasks by USFS staff or contractors*

The first series of On-Forest projects funded by the Stewardship Timber Sale retained receipts was initiated in 2007 with the goal of decommissioning roads, improving water quality and fish passage, revegetating heavily impacted streams from intense harvesting practices and protecting and improving habitat for threatened and endangered species. These projects are designed and managed by the SNF technical staff. The Collaborative Stewardship Groups provide input on an advisory capacity. On average, approximately \$600,000 (60% of the retained receipts) from the Stewardship Timber Sales is available to fund 9-11 projects annually. From 2007-2016 a total of 117 watershed restoration projects were complete and/or active and have accomplished the outcomes listed below.

VEGETATION MANAGEMENT

- 92 acres upland forest planted
- 400 seedling protectors installed
- 8,000 native plants planted on 30 acres meadow habitat
- 970 acres pre-commercial forest thinning
- 3,062 acres meadow enhancement/maintenance mowing

STREAM, LAKE OR WETLAND TREATMENTS

- 53 acres along 7 miles of riparian areas planted
- 600 in-stream log placement
- 35 culverts or bridges replaced or repaired
- 500 linear feet of fencing installed in riparian areas
- 1 fish ladders/passage improvements
- 3 miles of water quality improvements

INVASIVES CONTROL

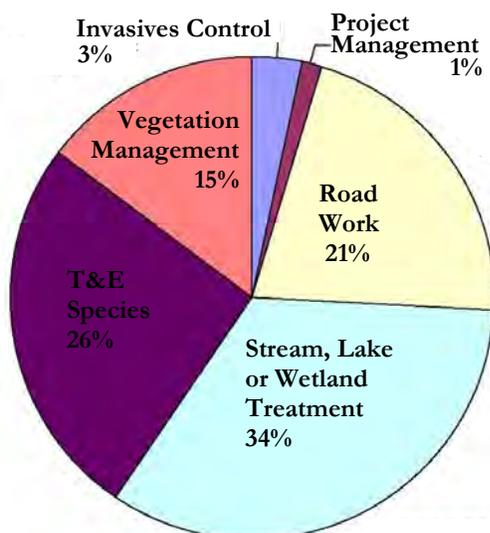
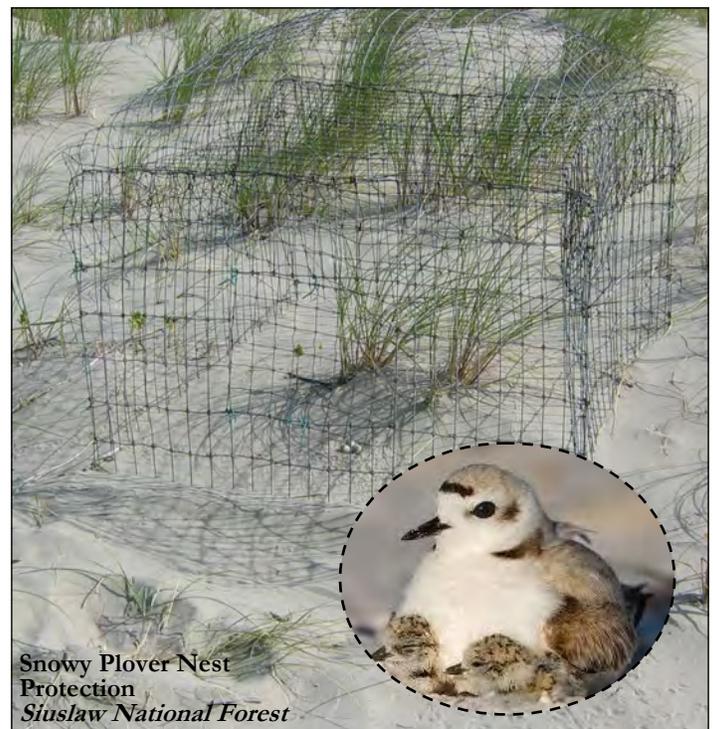
- 494 acres riparian areas - herbicide
- 74 acres riparian areas - mechanical/manual
- 35 acres meadow, dunes or upland forest - herbicide
- 40 acres meadow, dunes or upland forest - mechanical/manual

ROAD WORK

- 6 miles road decommissioning
- 45 miles road brushing

THREATENED & ENDANGERED SPECIES

- 1,400 acres habitat restoration
- 7,627 acres predator control/nest protection



Expenditures by Restoration Category *Expenses funded by retained receipts*

Stream Lake or Wetland	\$ 22,604,134.50
Road Work	\$ 14,222,905.20
T&E Species	\$ 17,150,387.76
Vegetation Management	\$ 9,954,797.76
Invasives Control	\$ 2,268,594.00
Project Management	\$ 810,000.00
TOTAL	\$67,010,819.22

Local Economic Benefits - Restoration service jobs by local contractors

County	\$Earned	Avg Wage	State Taxes	Hrs Wkd	FTE Jobs
Benton, OR	\$ 385,757.00	\$ 20.93	\$ 34,718.13	18,431.77	9.14
Clackamas, OR	\$ 45,000.00	\$ 12.29	\$ 4,050.00	3,661.51	1.82
Coos, OR	\$ 80,420.00	\$ 20.10	\$ 7,237.80	4,001.84	1.99
Deschutes, OR	\$ 5,000.00	\$ 12.29	\$ 450.00	406.83	0.20
Douglas, OR	\$ 230,352.31	\$ 19.28	\$ 20,731.71	11,949.93	5.93
Lane, OR	\$ 982,427.00	\$ 19.05	\$ 88,418.43	51,571.88	25.58
Lincoln, OR	\$ 216,591.00	\$ 20.13	\$ 19,493.19	10,760.39	5.34
Linn, OR	\$ 108,723.40	\$ 19.90	\$ 9,785.11	5,463.73	2.71
Marion, OR	\$ 157,625.00	\$ 20.79	\$ 14,186.25	7,581.09	3.76
Multnomah, OR	\$ 412,596.64	\$ 19.78	\$ 37,133.70	20,861.58	10.35
Tillamook, OR	\$ 25,271.00	\$ 21.29	\$ 2,274.39	1,187.13	0.59
Wallowa, OR	\$ 27,750.00	\$ 21.37	\$ 2,497.50	1,298.55	0.64
Lewis, WA	\$ 237,412.00	\$ 23.12	\$ -	10,270.35	5.09
TOTAL	\$ 2,914,925.35	\$ 19.25	\$ 240,976.21	147,446.58	73.14



Fivemile Creek dike removal and large wood placement fish passage improvement project
Siuslaw National Forest

Off-Forest Stewardship Restoration Projects

Biophysical Accomplishments—*Restoration tasks by collaborative partners*

Prior to the use of retained receipts the first series of watershed restoration projects on non-federal private lands was developed in 1998 through a Cooperative Agreement between CPRCD and the SNF to implement the Coastal Initiative (funded through EPA’s Willamette Initiative).

The new “Wyden Authority” allowed USFS money to be spent on private lands. In 1999 the SNF completed a watershed analysis specifying that the restoration of low gradient streams on private lands (Off-Forest) was essential to restoring habitat for the threatened Oregon coastal coho salmon.

The Collaborative Stewardship Group partners propose and approve project proposals and present them to the Roundtable (see pages 8-9). An average of approximately \$400,000 (40% of the retained receipts) from the Stewardship Timber Sales is available to fund about 9-11 projects annually.

From 1999-2016 a total of 125 watershed restoration Off-Forest projects were approved and accomplished the outcomes listed below.

VEGETATION MANAGEMENT

- 16,850 seedling protectors installed
- 7,010 native plants planted on 147 acres meadow habitat
- 3,200 native trees planted on 8 acres upland forest
- 1,693 acres pre-commercial forest thinning
- 87 acres meadow maintenance -mowing
- 341 acres site prep - manual/mechanical
- 69 acres site prep - herbicide
- 3,029 snags created

INVASIVES CONTROL

- 5,739 acres riparian - herbicide
- 600 acres riparian manual/mechanical
- 60 acres meadow/upland forest herbicide
- 2 acres meadow/upland forest manual

STREAM, LAKE OR WETLAND

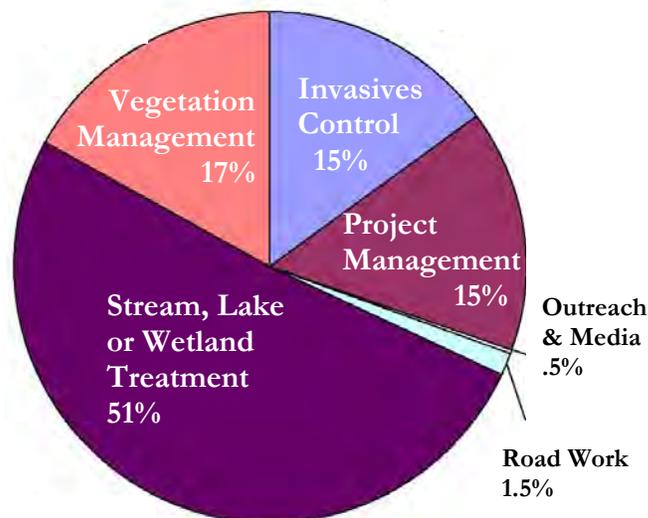
- 168,289 native plantings in riparian areas
- 1,190 in-stream log placement
- 24 culverts or bridges replaced or repaired
- 2 fish ladders installed
- 5.5 miles of fencing installed

ROAD WORK

- 2 miles road decommissioning
- .5 miles roadside brushing and rocking
- 8 acres roadside planting

Expenditures by Restoration Category

Stream Lake or Wetland	\$24,731,484.66
Project Management	\$ 7,308,622.08
Vegetation Management	\$ 8,162,909.46
Invasives Control	\$ 7,259,002.20
Road Work	\$ 556,113.06
Outreach and Media*	\$ 265,158.00
Other	\$ 11,466.00
TOTAL	\$48,294,755.46



**Outreach & Media projects are currently a prohibited use of stewardship funds. These projects were approved prior to 2006.*

Local Economic Benefits - Restoration services jobs

County	\$Earned	Avg Wage	State Taxes	Hrs Wkd	FTE Jobs
Benton, OR	\$ 422,171.61	\$ 20.38	\$ 37,995.44	20,717.57	10.28
Clackamas, OR	\$ 1,200.00	\$ 20.87	\$ 108.00	57.50	0.03
Coos, OR	\$ 68,475.36	\$ 17.96	\$ 6,162.78	3,812.10	1.89
Douglas, OR	\$ 2,050.00	\$ 17.43	\$ 184.50	117.61	0.06
Lane, OR	\$ 682,773.22	\$ 19.26	\$ 61,449.59	35,457.52	17.59
Lincoln, OR	\$ 386,041.65	\$ 20.05	\$ 34,743.75	19,254.81	9.55
Linn, OR	\$ 66,321.75	\$ 20.44	\$ 5,968.96	3,244.07	1.61
Marion, OR	\$ 4,571.00	\$ 19.61	\$ 411.39	233.11	0.12
Multnomah, OR	\$ 38,019.51	\$ 16.95	\$ 3,421.76	2,242.91	1.11
Polk, OR	\$ 8,953.57	\$ 16.82	\$ 805.82	532.35	0.26
Tillamook, OR	\$ 133,703.62	\$ 19.55	\$ 12,033.33	6,839.69	3.39
Yamhill, OR	\$ 731.00	\$ 16.06	\$ 65.79	45.52	0.02
TOTAL	\$ 1,815,012.29	\$18.78	\$ 163,351.11	92,554.76	45.91



BEFORE



AFTER

Fiddle/Morris Creek Culvert removal and log placement project
Siuslaw Soil and Water Conservation District



BEFORE



AFTER

Lower Woods Creek boulder weir placement and pool creation project for cutthroat trout habitat
Marys River Watershed Council

Awards & Acknowledgments

Since its inception the use of Stewardship Contracting and collaboratives have expanded, in many cases as a direct result of the pioneering work on the Siuslaw National Forest. The SNF Collaborative has been a part of many workshops, presentations, and publications. Recognition of our successes include the:

- ◆ International Thiess River Prize was awarded in 2004 to the Siuslaw Basin Partnership in collaboration with Russia's Sakhalin Islands and Salmon Center in Portland; and
- ◆ Two Chiefs Award was presented to the SNF in 2011 with the NRCS and other partners for the spirit of collaboration for watershed restoration on the Siuslaw National Forest and surrounding lands.

Report Credits and References

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- Sundstrom, Shiloh and Johnny Sundstrom. 2014. Stewardship Contracting in the Siuslaw National Forest. Chapter 9-*Stitching the West Back Together*.
- Integrated Resource Management. 2008-2014. *Siuslaw National Forest Stewardship Multi-Party Monitoring Report(s)*.
- USDA. (n.d.). *Stewardship Contracting Frequently Asked Questions*.



**Contact Cascade Pacific RC&D for more information
about the Siuslaw Collaborative Watershed
Restoration Program
541-248-3094
www.cascadepacificstewardship.org**

***Get Involved Today!
Volunteers make a difference!***

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