

SFI 2019 Annual Report Survey

1. Profile

SFI would like to feature you

The Washington State Department of Natural Resources (DNR) works every day to ensure a sustainable future for state trust lands and beneficiaries, native ecosystems, and natural resources--a future that includes good jobs, recreational opportunities, and natural beauty. Employing approximately 1,400 full-time, part-time, seasonal and temporary employees, DNR manages more than 2 million acres of forestlands. These lands produce revenue in support of public schools, state institutions, and county services. DNR also manages non-commercial Natural Resources Conservation Areas (NRCAs) and Natural Area Preserves (NAPs) that protect unique and threatened native ecosystems which also offer educational and research opportunities. The department helps protect Washington State's natural resources by improving forest health conditions through suppressing and preventing wildfires on more than 12 million acres of state-owned and private forestlands and maintaining forest conditions that are resilient to insect and disease. DNR also regulates surface mine reclamation, provides information about geologic hazards and rare native plant species and ecosystems, and provides public access for outdoor recreation opportunities. Currently, all of the approximately 2.1 million acres of DNR-managed forested state trust lands in Washington State are certified under the Sustainable Forestry Initiative® (SFI®) program standard.

Owns and/or manages forestlands in

TRUE

Owns and/or manages forestlands - list

United States

Owns and / or manages forestlands in - Other

No answer

Has primary manufacturing operations/mills/log yards located in

No answer

Has primary manufacturing operations/mills/log yards located in - list

No answer

Has primary manufacturing operations/mills/log yards located in - Other

No answer

Has manufacturing or processing facilities located in

No answer

Has manufacturing or processing facilities located in - list

No answer

Has manufacturing or processing facilities located in - Other

No answer

Countries your organization sells into

United States of America

I. Forestland Information

The area reported in this survey is in:

Acres

United States (Private)

USA & Canada Forestlands-Ownership /Management : *Other:* None

Total area certified to the SFI forest management standard : 0

Area certified to SFI standard open to public for recreation : 0

United States (Public)

USA & Canada Forestlands-Ownership /Management : State

Total area your organization owns/manages : 2444920

Total area certified to the SFI forest management standard : 2444920

Area certified to SFI standard open to public for recreation : 2444920

Check all that apply to areas open to recreation on your managed land :

No Fee

II. Chemicals

Do you use a WHO 1A or 1B pesticide in your operations?

No

Did you stop using a WHO 1A or 1B pesticide in your operations due to requirements in the SFI 2015-2019 Forest Management Standard in 2019?

No

Did you convert one forest cover type to another forest cover type as defined by Indicator 1.2.1

Yes

Conversion - Restoration of Historic Forest Cover

TRUE

Conversion - Restoration - Riparin protection

TRUE

Conversion - Restoration - Riparin protection - area converted

11 - 100 acres

Conversion - Restoration - Native forest types

No answer

Conversion - Restoration - Native forest types - area converted

No answer

Conversion - Restoration - Other

No answer

Conversion - Restoration - Other - area converted

No answer

Conversion - Restoration - Other - please explain

No answer

No answer No answer No answer

Did you convert any forest lands not covered under the scope of your SFI certificate to other land uses in 2019 (e.g. agriculture)?

No

I. Harvest

USA - Program Participant Land covered under the scope of your SFI certificate

What is the total area of harvest units completed last year that would qualify as final harvest? - USA

15548

Final Total Clearcut: What is the total area of final harvest units completed last year by clearcutting? - USA

14808

Average Clearcut: What was the average area of final harvest units that were clear-cut (even-aged)? - USA

26

Total Harvest NOT Classified as Final - USA

4068

Seed tree and shelterwood - USA

TRUE

Seed Tree and shelterwood Explain - USA

261

Selection Methods - USA

TRUE

Selection Methods Explain - USA

310

Thinning or sanitation salvage - USA

TRUE

Thinning or sanitation salvage Explain - USA

3498

Other Methods - USA

TRUE

Other Methods Explain - USA

II. Reforestation

Artificial - Planting

Within 1 year of final harvest : 3725

Within 2 years of final harvest : 5807

More than 2 years of final harvest : 2930

Total for 2019 : 12462

Artificial - Direct Seeding

Total for 2019 : 0

What was the Natural Regeneration in 2019? - USA

668

5. Research, Conservation and Community

Participants are required to support forest research to improve forest health, productivity, and sustainable management of forest resources, and the environmental benefits and performance of forest products. Complete the following table with research

sect 5 preload indicator

preload

Forest health, productivity, and ecosystem functions

Chemical efficiency, use rate and integrated pest management

Water quality and/or effectiveness of best management practices including effectiveness of water quality and best management practices for protecting the quality, diversity and distributions of fish and wildlife habitats

Wildlife management at stand and landscape levels

Conservation of biological diversity

Ecological impacts of bioenergy feedstock removals on productivity, wildlife habitat, water quality and other ecosystem functions

Climate change research for both adaptation and mitigation

Forest operations efficiencies and economics

Energy efficiency

Life cycle assessment

Avoidance of illegal logging

Avoidance of controversial sources

Other

II. Research, Conservation and Community Projects and Partnerships

sect 5-2 preload indicator

preload

Is your organization currently involved in any conservation partnerships?

Yes

Project 1

Project Name : Intermountain Forestry Cooperative – Site type effects on Stocking and Density Management (Forest Resources Division- Silviculture and Monitoring Section and Northeast Region)

Project Objective : Understand the optimal timing for PCT as well as the effects of site quality and density on tree and stand development.

Short project description (include main point of contact and other relevant information - max. 650 words) : Install 100-150 study sites investigating precommercial thinning in relation to timing, spacing, species and site quality.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho

Research Organizations : Rocky Mountain Research Station

Other Organizations : 10 cooperative members

Estimated Project Start Date : 2011-12-31

Estimated Project End Date : 2042-12-30

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

Project 2

Project Name : Stand Management Cooperative Type IV, Realized genetic gain trials for Douglas-fir (Forest Resources Division-Silviculture and Monitoring Section, and Pacific Cascade Region)

Project Objective : Understand the gains we realize from tree improvement. Understand how spacing and competition affect tree and stand growth by genetic gain level.

Short project description (include main point of contact and other relevant information - max. 650 words) : Long-term regional study with 6 installations (one on DNR land) studying the realized gains from two levels of genetic improvement compared to woods-run seed. Also examining spacing and vegetation control effects by gain level and family.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington, Oregon State University

Research Organizations : Pacific Northwest Research Station

Government Organizations : BC Ministry of Forestry, Oregon Department of Forestry, Bureau of Land Management

Other Organizations : 28 industrial, agency, and tribal members

Estimated Project Start Date : 2004-01-01

Estimated Project End Date : 2064-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 3

Project Name : Slice Above Research Installation - Intermountain Forest Tree Nutrition Cooperative - Nutrition Effects on Future Forest Productivity Study (Northeast Region, Forest Resources Division- Silviculture and Monitoring Section)

Project Objective : To develop forest management guidelines for various site types that land managers can use to assess probable impact of management operations on nutrient retention and future growth.

Short project description (include main point of contact and other relevant information - max. 650 words) :

This installation is part of ongoing nutrient management research involving the establishment of long-term plots on recently harvested sites using bole-only and whole-tree harvesting in commercial thinning and final harvest stands. In addition, a wide array of post-harvest silvicultural treatment options, including site preparation variations (slash treatment and prescribed burning), “weed and/or feed” operations, and various levels of biomass utilization (retention or removal) are being studied. Each of these treatments can affect a site’s nutrient status and therefore its productivity. In the core experiment, a series of permanent plots, each classified by level of site disturbance and slash retention, were located within each of the general bole-only and whole-tree harvest treatment units.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2060-02-13

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 4

Project Name : Stand Management Cooperative Type I, Douglas-fir and Western Hemlock established stand spacing studies (Forest Resources Division- Silviculture and Monitoring Section, and Northwest, Olympic and Pacific Cascade Regions)

Project Objective : Improve our understanding of how Douglas-fir and western hemlock trees and stands grow in relation to growing space.

Short project description (include main point of contact and other relevant information - max. 650 words) : Long term regional study with 32 installations across the PNW (3 are on DNR) in established stands covering a range of trees per acre and spacing treatments. Thinning regimes, fertilization, pruning and selective vs. systematic spacing treatments imposed. Re-measurements and analysis ongoing.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 1986-01-01

Estimated Project End Date :

2026-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 5

Project Name : Stand Management Cooperative Type II, Mid-rotation stand developmental dynamics in Douglas-fir and western hemlock. (Forest Resources Division- Silviculture and Monitoring Section, and Northwest Region)

Project Objective : Improve our understanding of how Douglas-fir and western hemlock trees and stands grow in relation to growing space. Develop an understanding of how species mixtures perform.

Short project description (include main point of contact and other relevant information - max. 650 words) : Long-term regional study with 12 installations across the PNW (1 on DNR land) studying how mid-rotation stand develop in relation to growing space and thinning. Study complements the Type I and Type II studies in older stands. The exceptional database that has been developed allows the Co-op to bring in another \$600,000 annually in grants to conduct related research that benefits all the members. The database is also used to update G&Y models (through a different Co-op) that DNR depends on for its forest planning and sustainable yield calculations.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Research Organizations : PNW Research Station

Government Organizations : Oregon Department of Forestry, BC Ministry of Forests, BLM

Other Organizations : 28 industrial agency and tribal members

Estimated Project Start Date : 1986-01-01

Estimated Project End Date : 2026-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

Project 6

Project Name : Stand Management Cooperative Type III, Stand development across a wide range of initial plantation spacing of Douglas-fir, western hemlock and mixtures (Forest Resources Division- Silviculture and Monitoring Section, and Northwest, Olympic and Pacific Cascade Regions)

Project Objective : Improve our understanding of how Douglas-fir and western hemlock trees and stands grow in relation to growing space. Develop an understanding of how species mixtures perform.

Short project description (include main point of contact and other relevant information - max. 650 words) : Long-term regional study with 33 installations across the PNW (7 are on DNR land) studying the effects of initial spacing on subsequent stand dynamics. All installations are large fixed area plots planted at a range of tpa. Site are measured on a five year basis and thinned when specified density targets are met.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington, Oregon State University

Research Organizations : PNW Research Station

Government Organizations : Oregon Department of Forestry, BC Ministry of Forests, BLM

Other Organizations : 28 industrial, agency, and tribal members

Estimated Project Start Date : 1986-01-01

Estimated Project End Date : 2046-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 7

Project Name : Intermountain Forestry Cooperative Site Characterization Study (Forest Resources Division- Silviculture and Monitoring Section and Northeast Region)

Project Objective : Understand sustainable productivity in relation to the factors controlling it and be able to understand the impacts of a changing climate on productivity.

Short project description (include main point of contact and other relevant information - max. 650 words) : Develop process-level predictions of site quality at the landscape scale using bio-geo-climatic predictor variables and forest inventory data. Provide wall-to-wall predictions of potential productivity for all lands east of the Cascade crest.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10.
Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho

Research Organizations : Rocky Mtn. Research Station

Government Organizations : BLM, Idaho Dept of Lands

Other Organizations : 10 industrial and agency cooperators

Estimated Project Start Date : 2011-01-01

Estimated Project End Date : 2019-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 8

Project Name : Vegetation Management Research Cooperative – Evaluating Common Vegetation Control Regimes (Forest Resources Division- Silviculture and Monitoring Section and Pacific Cascade Region)

Project Objective : Understand how vegetation control practices affect the vegetative community as well as the effects on tree growth.

Short project description (include main point of contact and other relevant information - max. 650 words) : Quantify the impact six herbaceous vegetation control regimes on Douglas-fir seedling establishment, monitor changes to the vegetation community resulting from herbicide use, and intensively measure seedling xylem water potential and soil moisture conditions created through the use of these management regimes.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.
Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : Oregon State University

Other Organizations : 15 cooperators from industry and agencies

Estimated Project Start Date :

2005-01-01

Estimated Project End Date : 2025-12-31

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : Yes

Project 9

Project Name : Intermountain Forestry Cooperative – Reforestation Post Wildfire Salvage on High Site Lands (Forest Resources Division- Silviculture and Monitoring Section and Northeast Region)

Project Objective : Test various reforestation practices on high site lands in NE Region.

Short project description (include main point of contact and other relevant information - max. 650 words) : Install six study sites on GF, and WH/WRC habitat types and test veg recovery, herbicide effects and natural regen rates.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho

Other Organizations : Intermountain Forestry Cooperative

Estimated Project Start Date : 2017-01-01

Estimated Project End Date : 2027-12-31

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

Project 10

Project Name : Quileute Tribe Cedar Bark Gathering

Project Objective : Tribal gathering of cedar bark

Short project description (include main point of contact and other relevant information - max. 650 words) : Gathering Cedar bark for processing and drying. Bark will be used for making baskets and other Tribal resources.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 8.

Recognize and Respect Indigenous People's Rights

Select state(s)/province(s) for this project : Washington

Government Organizations : Quileute Tribe

Estimated Project Start Date : 2019-05-13

Estimated Project End Date : 2019-05-17

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 11

Project Name : Hoh Tribe Cedar Bark Gathering

Project Objective : Tribal gathering of cedar bark

Short project description (include main point of contact and other relevant information - max. 650 words) : Gathering Cedar bark for processing and drying. Bark will be used for making baskets and other Tribal resources.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 8.
Recognize and Respect Indigenous People's Rights

Select state(s)/province(s) for this project : Washington

Government Organizations : Hoh Tribe

Estimated Project Start Date : 2019-05-15

Estimated Project End Date : 2020-05-20

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? :

Share - with our organization's name

Project 12

Project Name : Striped Peak Trail Extension (Olympic / Recreation)

Project Objective : Extend existing trail to create a loop

Short project description (include main point of contact and other relevant information - max. 650 words) : The current Striped Peak Trail is a 2.5-mile trail that starts and ends at two different locations. To enhance the user's experience we are working to connect the end with the start and form a loop. This will add two miles to the hike and feature new attractions and viewpoints along the way.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Community Organizations : Washington Trails Association

Estimated Project Start Date : 2019-03-02

Estimated Project End Date : 2022-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 13

Project Name : Lyre River Campground signage (Olympic / Recreation)

Project Objective : Post informational signage about area

Short project description (include main point of contact and other relevant information - max. 650 words) : Worked with the Lower Elwha Klallam Tribe (Wendy Sampson) to develop a culturally appropriate synopsis of the history of humans throughout time in and around the Lyre River. The sign is displayed near the river in the campground.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 8. Recognize and Respect Indigenous People's Rights

Select state(s)/province(s) for this project : Washington

Government Organizations :

Lower Elwha Klallam Tribe

Estimated Project Start Date : 2019-01-01

Estimated Project End Date : 2019-01-04

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 14

Project Name : Assessing the role of non-federal lands in demographic support of the Northern Spotted Owl in Washington State: a spatial analysis

Project Objective : To understand how incentive-based conservation approaches on non-federal lands may contribute to the recovery and conservation of the federally listed Northern Spotted Owl.

Short project description (include main point of contact and other relevant information - max. 650 words) : In 2010, the Washington State Forest Practices Board convened the Northern Spotted Owl Implementation Team, comprised of stakeholder representatives. That team was directed to implement consensus recommendations, including identifying innovative, incentive-based strategies to recruit and conserve spotted owl habitat on non-federal lands in Washington. This overall initiative generally coincided with the development and release of the 2008 and 2011 versions of the federal spotted owl recovery plans (USFWS 2008, 2011). Indeed, stakeholder participants in Washington promoted incentive-based approaches to conservation and the U.S. Fish and Wildlife Service acknowledged such strategies with Recovery Action 18 in the recovery plan (USFWS 2011, page III-57). Because the U.S. Fish and Wildlife Service had developed and used a new and more powerful model to inform the recovery planning process and federal Critical Habitat designation (USFWS 2011, 2012), the Northern Spotted Owl Implementation Team chose to utilize the same tool to assess landscape areas where incentive-based conservation would be most beneficial to spotted owls in Washington. Subsequently, the Northern Spotted Owl Implementation Team convened a team of biologists to work with modelers to assess the spatial and temporal allocation of potential conservation efforts on non-federal lands.

SFI 2015-2019 Standard Objective most relevant to project :

FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Government Organizations : US Forest Service

Estimated Project Start Date : 2016-02-01

Estimated Project End Date : 2019-10-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 15

Project Name : Downscaling climate models (E&GSD, Forest Roads)

Project Objective : Create a model to adjust hydraulic culvert sizing criteria to reflect potential changes over time in stream flows

Short project description (include main point of contact and other relevant information - max. 650 words) : DNR is a contributor to the University of Washington Climate Impacts Group research into developing new peak flow modeling techniques. This new modeling is being developed specifically for use in culvert planning and design. Dynamical downscaling is a key improvement to existing modeling approaches because recent research has shown that the alternative – statistical downscaling – does not adequately capture changes in heavy rain events. Since high intensity rainfall is a key element of culvert design, it is important to use the best available information to characterize changes. The primary outcome from this work will be a set of localized projections of changing runoff for a series of culvert and in-stream design metrics, including changes in the 100-year flood event for each location.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3. Protection and Maintenance of Water Resources

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 2019-07-01

Estimated Project End Date : 2021-06-30

Dollar amounts are in: :

US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 16

Project Name : Sauk River Watershed Knotweed Control Project - (NW Region)

Project Objective : Noxious and invasive weed control

Short project description (include main point of contact and other relevant information - max. 650 words) : Systematic control of noxious and invasive weeds, primarily knotweed, in the Sauk River watershed

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 3. Protection and Maintenance of Water Resources

FM Objective 9. Legal and Regulatory Compliance

Select state(s)/province(s) for this project : Washington

Government Organizations : Sauk-Suiattle Indian Tribe

Estimated Project Start Date : 2012-01-01

Estimated Project End Date : 2022-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 17

Project Name : Snohomish County Public Works Noxious Weed Control and Surface Water Management (DNR NW Region)

Project Objective : Protection of surface water.

Short project description (include main point of contact and other relevant information - max. 650 words) : The Public Works Department of Snohomish County is engaged in noxious and invasive weed control along County rights of way and ecological lands; and in revegetating treated areas with native plants.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3. Protection and Maintenance of Water Resources
FM Objective 6. Protection of Special Sites
FM Objective 9. Legal and Regulatory Compliance

Select state(s)/province(s) for this project : Washington

Government Organizations : Snohomish County Public Works

Estimated Project Start Date : 2012-06-01

Estimated Project End Date : 2023-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 18

Project Name : Hardwood Silviculture Cooperative (Forest Resource Div.)

Project Objective : Advance scientific understand of hardwood growth, yield, and forest management strategies.

Short project description (include main point of contact and other relevant information - max. 650 words) : Cooperative members help to fund and guide research pertaining to the management, modeling, growth, and yield of hardwood species, primarily red alder, in the Pacific Northwest. Industry and agency organizations collaborate with Oregon State University faculty, staff, and students to complete installation and measurement of research sites in Oregon and Washington.

SFI 2015-2019 Standard Objective most relevant to project :

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Oregon

Washington

Academic Organizations : Oregon State University

Research Organizations : Hardwood Silviculture Cooperative

Government Organizations : B.C. Ministry of Forests, Bureau of Land Management, Oregon State Department of Forestry, Siuslaw National Forest, WA Department of Natural Resources

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2040-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 19

Project Name : SE Region Green River College Forestry Class

Project Objective : Provide field experience and practical knowledge to students of the Green River College forestry program. Forestry class final testing.

Short project description (include main point of contact and other relevant information - max. 650 words) : A recreation permit is issued yearly for Green River College to perform field exercises for practical experience in forestry and as a practical final exam. The classes range up to 50 students, usually in June each year. Students perform tasks relative to forestry including, reading maps, using typical forestry equipment (clinometer, compass, Relaskop) traversing units and roads, cruising timber, assessing logging types, and working through all phases of reconnaissance and layout of timber sales. Additional informal site visits may happen prior to exam for training purposes to gain practical experience in the items above as time and conditions allow.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River College

Estimated Project Start Date :

2018-05-01

Estimated Project End Date : 2020-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 20

Project Name : Cross-Ownership Sustainable Recreation and Public/Private Partnerships in stewardship

Project Objective : Cross-Ownership Sustainable Recreation and Public/Private Partnerships in stewardship

Short project description (include main point of contact and other relevant information - max. 650 words) : The large landowners in Kittitas County have partnered with conservation groups and recreationalists to ensure a more sustainable model for recreation management can be achieved. The Partnership is working towards sustainable levels of recreation, meeting restoration objectives and educating the public on the importance of watershed protection, shared stewardship of recreation on public lands, multi-landowner resource sharing, and strengthening the bond between the recreation user and the landowner.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3.

Protection and Maintenance of Water Resources

FM Objective 4. Conservation of Biological Diversity

FM Objective 5. Management of Visual Quality and Recreational Benefits

FM Objective 6. Protection of Special Sites

FM Objective 8. Recognize and Respect Indigenous People's Rights

FM Objective 12. Community Involvement and Landowner Outreach

FM Objective 13. Public Land Management Responsibilities

FM Objective 14. Communications and Public Reporting

Select state(s)/province(s) for this project : Washington

Academic Organizations : Central Washington University

Conservation Organizations : Mountains to Sound Greenway Trust, The Nature Conservancy, Wilderness Society

Government Organizations :

WA Dept. of Fish and Wildlife, USFS, BLM, Kittitas County

Community Organizations : WA Trails Assoc., Back Country Horsemen of WA, Kittitas Field and Stream Club, Ruffed Grouse Society

Estimated Project Start Date : 2018-01-01

Estimated Project End Date : 2030-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$20,000 to \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 21

Project Name : Trout Lake Meadow Restoration (Southeast Region/Natural Areas)

Project Objective : Ongoing meadow restoration work to enhance habitat for Oregon Spotted Frogs, Greater Sandhill Cranes and rare plant species.

Short project description (include main point of contact and other relevant information - max. 650 words) : Annual Oregon spotted frog egg mass surveys were conducted with USFWS and WDFW partners. Restoration activities included controlling invasive grasses on over 10 acres, planting over 2,000 native species plugs, and mowing. Twenty restoration activities and environmental education projects conducted in conjunction with Cascade Mountain Outdoor School. Plants were grown out by students at Clark College in Vancouver. This is a great opportunity for the students to learn about habitat restoration work and test methods for growing difficult wetland plant species.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Academic Organizations : Clark College: Growing out native wetland plant species

Government Organizations : WDFW: Consultation, monitoring DOE: WCC crews for implementation RCO: Funding

Community Organizations : Cascade Mountain School

Estimated Project Start Date : 2019-01-01

Estimated Project End Date : 2019-10-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

\$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 22

Project Name : Wenatchee Mtn Checkermallow Surveys, Camas Meadows NAP (Southeast Region/ Natural Areas)

Project Objective : Ongoing monitoring effort as part of the recovery plan for the Wenatchee Mt Checkermallow, federal endangered species.

Short project description (include main point of contact and other relevant information - max. 650 words) : The project goal is to map and count all Wenatchee Mt Checkermallow plants at Camas Meadows NAP to monitor the status of the population. Select polygons will be monitored periodically in the future to monitor population trends at this site. This information will also be used to guide future management actions at the site including forest restoration and prescribed burning.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington RareCare Program: Assist with surveys

Government Organizations : USFWS: Assist with surveys

Estimated Project Start Date : 2019-06-01

Estimated Project End Date : 2019-07-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? :

Share - with our organization's name

Project 23

Project Name : Grimm Road Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a NE Region seed orchard specializing in the production of improved Douglas-fir, western larch, and lodgepole pine seed.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Research Organizations : Inland Empire Tree Improvement Cooperative

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 24

Project Name : Pullman Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a seed orchard specializing in the production of Douglas-fir seed to supplement existing seed sources.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.

Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : Washington State University

Research Organizations : Inland Empire Tree Improvement Cooperative

Government Organizations : NRCS

Estimated Project Start Date : 2007-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research

Funding dollars reported above to meet SFI Standard Requirements as it

relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education

Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 25

Project Name : Old Goody Seed Orchards (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a seed orchard in Pend Oreille County specializing in production of improved white pine and Douglas-fir seed for NE Region planting program.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.

Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington
Research Organizations : Inland Empire Tree Improvement Cooperative
Estimated Project Start Date : 1988-01-01
Estimated Project End Date : 2050-12-31
Dollar amounts are in: : US Dollars (USD)
Estimated total project cost : less than \$5,000
Your organization contribution in 2019 : less than \$5,000
Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No
Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No
May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 26

Project Name : Robbins Creek Western Redcedar Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a NE Region seed orchard specializing in the production of western redcedar seed.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Research Organizations : Inland Empire Tree Improvement Cooperative

Other Organizations : Hancock Forest Management

Estimated Project Start Date : 2016-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard :

No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 27

Project Name : Robbins Creek Western White Pine Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate blister rust resistant white pine seed and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a NE Region seed orchard specializing in the production of white pine seed.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Research Organizations : Inland Empire Tree Improvement Cooperative

Other Organizations : Hancock Forest Management

Estimated Project Start Date : 2016-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 28

Project Name : Kalamalka Douglas-fir Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) : Development of a seed orchard specializing in the production of Douglas-fir seed to supplement existing seed sources.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington
British Columbia

Research Organizations : Inland Empire Tree Improvement Cooperative

Estimated Project Start Date : 2015-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 29

Project Name : Kalamalka Western Larch Seed Orchard (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Cultivate local seed sources and improve genetic diversity of planting stock specific to NE Region's management area. Meet DNR and local partners' seed needs and provide a long-term solution to difficulties in accumulating needed seed stock.

Short project description (include main point of contact and other relevant information - max. 650 words) :

Development of a seed orchard specializing in the production of western larch seed to supplement existing seed sources.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.

Forest Health and Productivity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

British Columbia

Research Organizations : Inland Empire Tree Improvement Cooperative

Estimated Project Start Date : 2007-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 30

Project Name : White Pine Progeny Test (Northeast Region, Resource Protection Division- Forest Health Section)

Project Objective : Develop resistance to white pine blister rust by screening selected parent trees for durable resistance to this exotic pathogen while retaining broad genetic diversity within the species.

Short project description (include main point of contact and other relevant information - max. 650 words) : Establish western white pine progeny test sites to evaluate amount and type of genetic resistance to white pine blister rust and tree survival and growth. Selections were made throughout Washington and the interior of British Columbia. Three sites situated in Northeast Region.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.

Forest Health and Productivity

FM Objective 4. Conservation of Biological Diversity

FM Objective 9. Legal and Regulatory Compliance

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations :

Forest Service Dorena Genetic Resource Center

Estimated Project Start Date : 2013-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 31

Project Name : Whitebark Pine Progeny Test (Northeast Region, Resource Protection Division- Forest Health Section)

Project Objective : Develop resistance to white pine blister rust by screening selected parent trees for durable resistance to this exotic pathogen while retaining broad genetic diversity within the species.

Short project description (include main point of contact and other relevant information - max. 650 words) : Establish a Whitebark pine progeny test site to evaluate amount and type of genetic resistance to white pine blister rust and tree survival and growth.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 4. Conservation of Biological Diversity

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : DNR Forest Health Program

Estimated Project Start Date : 2015-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 32

Project Name : Slice Above Research Site - Intermountain Forestry Cooperative - Nutrition Effects on Future Forest Productivity Study (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : To develop forest management guidelines for various site types that land managers can use to assess probable impact of management operations on nutrient retention and future growth.

Short project description (include main point of contact and other relevant information - max. 650 words) : This installation is part of ongoing nutrient management research involving the establishment of long-term plots on recently harvested sites using bole-only and whole-tree harvesting in commercial thinning and final harvest stands. In addition, a wide array of post-harvest silvicultural treatment options, including site preparation variations (slash treatment and prescribed burning), "weed and/or feed" operations, and various levels of biomass utilization (retention or removal) are being studied. Each of these treatments can affect a site's nutrient status and therefore its productivity. In the core experiment, a series of permanent plots, each classified by level of site disturbance and slash retention, were located within each of the general bole-only and whole-tree harvest treatment units.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho, College of Natural Resources

Research Organizations : Intermountain Forestry Cooperative

Government Organizations : Forest Resource Division- Silviculture, Research and Monitoring Section

Estimated Project Start Date : 2012-01-01

Estimated Project End Date : 2042-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 33

Project Name : Paired Plot Density Management Study -(Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Study effects of site quality and stand density on tree growth and stand development.

Short project description (include main point of contact and other relevant information - max. 650 words) : Part of a large (100-150 plot) regional study investigating precommercial thinning timing, spacing, species selection and site quality.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 4. Conservation of Biological Diversity

FM Objective 10. Forestry Research, Science and Technology

FM Objective 15. Management Review and Continual Improvement

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho, College of Natural Resources

Research Organizations : Intermountain Forestry Cooperative

Government Organizations : Forest Resource Division- Silviculture, Research and Monitoring Section

Estimated Project Start Date : 2012-01-01

Estimated Project End Date : 0042-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 34

Project Name : Carlton Post Fire Recovery Study -(Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Compare recovery after severe wildfire in harvested and non-harvested areas by addressing plantation establishment, natural conifer regeneration rates, other vegetation establishment rates and the effect of post-fire grass seeding on forest establishment.

Short project description (include main point of contact and other relevant information - max. 650 words) : Establish plots in areas burned by 2014 Carlton Fire to study seedling survival and growth differences resulting from Fall and Spring planting with and without a herbicide spot treatment.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : Olympia Silviculture Program

Estimated Project Start Date : 2014-01-01

Estimated Project End Date : 2020-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 35

Project Name : Intermountain Forestry Cooperative - Post Fire Reforestation Study (Northeast Region, Forest Resource Division- Silviculture, Research and Monitoring Section)

Project Objective : Compare reforestation outcomes on salvage harvested sites and survival and growth of planted seedlings between spot herbicide and no herbicide applications across environmental gradients of productivity as represented by site index and plant association.

Short project description (include main point of contact and other relevant information - max. 650 words) :

Establish plots in areas burned by 2015 wildfires to study seedling survival and growth differences resulting from planting with and without herbicide application treatments.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.

Forest Health and Productivity

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Idaho, College of Natural Resources

Research Organizations : Intermountain Forestry Cooperative

Estimated Project Start Date : 2017-01-01

Estimated Project End Date : 2022-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 36

Project Name : North American Snowshoe Hare Population Assessment (Northeast Region)

Project Objective : Compare snowshoe hare densities and patterns of population cycling across their range in North America.

Short project description (include main point of contact and other relevant information - max. 650 words) : Establishment of 50+ pellet transects at study sites that range from New York to Alaska, which are monitored annually to determine snowshoe hare densities and compare patterns of population cycles between northern and southern latitudes. The Loomis State Forest is one of six study sites.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington, Trent University, Washington State University

Estimated Project Start Date : 2014-01-01

Estimated Project End Date : 2020-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

\$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 37

Project Name : Predator/Prey Research Project (Northeast Region)

Project Objective : Understand interactions between wolves/cougars/bobcats/coyotes/deer/elk/moose

Short project description (include main point of contact and other relevant information - max. 650 words) : Radio collar each species and determine predation rates and interactions to determine ecological and population impacts.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Government Organizations : WA Dept. of Fish and Wildlife

Estimated Project Start Date : 2017-01-01

Estimated Project End Date : 2021-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 38

Project Name : Determining Snowshoe Hare Densities in the Loomis State Forest (Northeast Region)

Project Objective : Testing cost-effective methods to determine hare densities using remote camera detection rates.

Short project description (include main point of contact and other relevant information - max. 650 words) : Master's thesis project using snowshoe hare pellet transect data, remote camera detections, mark/recapture and LIDAR to determine hare densities and identify high quality hare habitat on the Loomis State Forest within Lynx Management Zones.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Academic Organizations : Washington State University

Government Organizations : WA Dept. of Fish and Wildlife

Other Organizations : Seattle City Light

Estimated Project Start Date : 2018-01-01

Estimated Project End Date : 2020-07-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$20,000 to \$50,000

Your organization contribution in 2019 : less than \$5,000

Project 39

Project Name : 2019 Olympic Experimental State Forest Science Conference - Linking Science to Natural Resource Management (Forest Resources Division and Olympic Region)

Project Objective : Communicate the results of research and monitoring activities taking place in the OESF and their relevance to land management uncertainties faced by DNR and other land managers.

Short project description (include main point of contact and other relevant information - max. 650 words) : Annual event at which DNR scientists conducting research and monitoring projects in the OESF share findings on a broad range of topics. The 2019 talks included silviculture research, fish monitoring, microclimate monitoring, stream nutrients, social science, and the application of remote sensing techniques in forest management. 100 people attended the 2019 conference including local biologists and foresters, land managers, educators, environmental organizations, and the public. The event was video recorded and available on DNR YouTube channel.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 12. Community Involvement and Landowner Outreach

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date :

2019-01-01

Estimated Project End Date : 2019-04-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 40

Project Name : Biennial electronic newsletter “The Learning Forest” (Forest Resources Division and Olympic Region)

Project Objective : Communicate new information about forest management to DNR managers and employees, other land managers in the Pacific Northwest, the research community, and the general public. Encourage collaboration with potential research partners and local land managers on research and monitoring projects and to attract financial support. Raise awareness of the OESF within DNR and demonstrate its relevance to DNR’s management of state trust lands.

Short project description (include main point of contact and other relevant information - max. 650 words) : The newsletter is published jointly by the DNR and the University of Washington Olympic Natural Resources Center. The target audience includes the following:

- DNR staff, including land managers, foresters, biologists, and others involved in forest management of state trust lands on the Olympic Peninsula and across Washington.
- School of Environmental and Forest Sciences, College of Environment students, faculty, and staff
- Conservation groups, forest products industries, local communities, tribes, policy makers
- Other land managers on the Olympic Peninsula and throughout the Pacific Northwest
- Research partners such as the University of Washington, The Evergreen State College, and the Peninsula College
- Policy makers and elected officials

Currently, the newsletter has 150+ subscribers outside of the DNR and UW distribution channels.

Each newsletter issue includes:

Featured scientific article highlighting a current OESF and/or ONRC research or

monitoring project

- Guest article highlighting applied science being done by other organizations on the peninsula or coastal Washington
- Update on the status of major ongoing, long-term projects
- A listing of upcoming events including lectures, field trips, conferences, webinars, presentations, or other events relevant to the OESF or its research topics

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 12. Community Involvement and Landowner Outreach

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 2019-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 41

Project Name : Status and Trends Monitoring of Aquatic and Riparian Habitat in the OESF (Forest Resources Division and Olympic Region)

Project Objective : Provide empirical data to evaluate DNR's progress in meeting the HCP riparian conservation objectives and to reduce uncertainties around the integration of habitat conservation and timber production.

Short project description (include main point of contact and other relevant information - max. 650 words) : This long-term monitoring project documents the changes in riparian habitat as DNR manages the watersheds sustainably, which helps assess potential cumulative impacts of DNR activities and the restoration of salmonid freshwater habitat on state lands. The project informs DNR ability to integrate revenue production and ecological values, specifically, it assesses DNR's experimental approach called "integrated management". Information on habitat quality in managed landscapes is HCP effectiveness monitoring requirement and necessary component to meet the HCP validation monitoring requirement.

The study's main hypothesis is that the riparian conservation strategy, implemented

under the HCP, allows natural processes of succession and disturbance to improve habitat conditions in managed watersheds over time.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10.
Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Research Organizations : USDA Forest Service Pacific Northwest Research Station

Government Organizations : Forest Service Olympic National Forest

Estimated Project Start Date : 2012-08-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 42

Project Name : Riparian Validation Monitoring (Forest Resources Division and Olympic Region)

Project Objective : To assess cause and effect relationships between salmonids, stream habitat, and DNR forest management

Short project description (include main point of contact and other relevant information - max. 650 words) : This long-term monitoring project was designed to meet the department's commitment for Riparian Validation monitoring under the HCP. Specifically, it will use habitat data from the "Status and Trends Monitoring of Riparian and Aquatic Habitat" program along with salmonid monitoring to assess the impacts of current management strategies on salmonids. If effects from management strategies are detected, we will modify sampling to assess cause and effect relationships between salmonids, habitat, and management and recommend measures to reduce negative effects.

The main research questions are:

1. Are current management practices affecting stream habitat and salmonids?
2. Are past management practices continuing to affect salmonids?
3. What are the major within-basin natural drivers of salmonids, and can these drivers explain differences in habitat and salmonids?
4. Are global and regional-scale forces such as climate change, Pacific Decadal

Oscillation and ocean harvest affecting salmonids?

The observational study approach is designed to be adaptive, so that information collected on habitat, salmonids, and collection methods can be used to modify and strengthen the monitoring program. Once all basins have been initially sampled and on a six-year rotation thereafter, information gained from these monitoring efforts will be used to evaluate the feasibility and likely success of experimental approach.

Expected outcomes

1. Document the status, trends, and variability of salmonid populations in the OESF.
2. Determine the best methods for defining salmonid conditions within the OESF.
3. Identify potential negative effects on salmonids from current DNR management practices and develop experimental studies to further evaluate cause and effect relationships.
4. Evaluate potential negative cause and effect relationships between current DNR management practices, riparian habitat, and salmonids, and if found, recommend changes to DNR management practices to mitigate any negative effects.

Ongoing collaboration with the WRIA 21 lead entity to provide expertise on stream and habitat conditions.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10.

Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Community Organizations : WRIA 21 lead entity

Estimated Project Start Date : 2015-08-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 43

Project Name : Large Scale Integrated Management Experiment in the (OESF(Forest Resources Division and Olympic Region)

Project Objective : To assess cause and effect relationships between salmonids, The study will compare the integrated management strategy of the OESF Forest Land Plan to alternative forest management strategies.

Short project description (include main point of contact and other relevant information - max. 650 words) : The central overarching question of the study is: Will a higher sustainable level of both ecological and community wellbeing emerge from an array of land management strategies implemented and compared across the OESF landscape?

Before-after-control-impact management experiment where three landscape management strategies and a no-action control will be compared across a 16 small fish bearing streams. The experimental watersheds with a total area of more than 20,000 ac were selected in 2017. The management strategies represent different level of integration of revenue production (primarily timber harvest) and ecological values (mainly habitat conservation). One strategy includes the level of integrated management as described in the OESF Forest Land Plan. The other two strategies include more and less integration of revenue production and ecological values than described in the forest land plan.

Series of replicated experimental treatments in upland and riparian areas will be organized as timber sales, prepared and administered by Olympic Region. Ecological, economic, social, and operational feasibility responses to experimental treatments will be monitored over the long term using field and remote sensing data. Reducing uncertainties of largely untested integrated management approaches will provide basis for adaptive management. Broad stakeholder's involvement is expected to build trust improve public perception of DNR activities.

The project is led by researchers from DNR and University of Washington. DNR and UW developed the study proposal in 2016 with input from a diverse group of stakeholders. Researchers from the University of Wash—ington, US Forest Service Pacific Northwest Research Station, NOAA Fisheries, DNR, and other organiza—tions are collaborating to develop multiple study plans which is expected to be submitted for peer review in 2020.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 2016-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

\$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 44

Project Name : Using Passive Acoustic Monitoring to Evaluate Sustainability of Forest Management in the 21st Century (Forest Resources Division and Olympic Region)

Project Objective : Evaluate how habitat quality, diversity, and function, indicated by the occupancy rate of key bird species, change in response to different forest management practices. Results will help DNR determine if its upland habitat conservation strategies are effective.

Short project description (include main point of contact and other relevant information - max. 650 words) : Researchers from DNR and the University of Washington will work with volunteers to collect and analyze sound recordings of several bird species and pair them with forest habitat surveys. The study will be implemented in the OESF across 16 watersheds designated for experimentation with different harvest practices.

This project received a grant from the EarthWatch Institute and will be implemented as citizen science project. Volunteers in the first of six annual expeditions are expected to arrive in April 2020.

Researchers have completed field reconnaissance of prospective sampling locations, tested the detection ranges of three models of recording units to select the most appropriate equipment, and submitted study plan for peer review.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Other Organizations : Earthwatch Institute (nonprofit organization)

Estimated Project Start Date : 2019-01-01

Estimated Project End Date : 2022-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

over \$50,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 45

Project Name : Safety, productivity and environmental impacts of cable-assisted steep slope harvesting (Forest Resources Division and Olympic Region)

Project Objective : Investigate the operational feasibility, workers' safety, environmental impact, and economic efficiency of cable-assisted harvesting.

Short project description (include main point of contact and other relevant information - max. 650 words) : Cable-assisted or "tethered" mechanized harvesting has recently been introduced to the Pacific Northwest, and is rapidly being adopted by forest industries. Researchers from Oregon State University will compare this system to conventional, manual tree felling with cable yarding.

Study objectives include:

- Quantify soil disturbance of each harvesting scenario;
- Quantify the differences in the capacity of the soil to hold water between the two harvesting scenarios;
- Quantify a potential increase in yarding productivity by pre-bunching trees after mechanized felling; and
- Quantify the likelihood of hazard exposures in different harvesting systems to address potential improvements in workers' safety.

Using this data, practitioners can do a cost-benefit analysis of productivity and operational costs (including labor and industry fees) and make an informed choice about timber harvesting techniques, given the estimated environmental impacts. The experiment will be implemented as part of a timber sale sold in July 2019 in the Olympic Experimental State Forest

Oregon State University research staff will conduct pre-treatment sampling further data collection during logging operations in 2020.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity
FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington
Academic Organizations : Oregon State University
Estimated Project Start Date : 2019-01-01
Estimated Project End Date : 2021-03-31
Dollar amounts are in: : US Dollars (USD)
Estimated total project cost : \$20,000 to \$50,000
Your organization contribution in 2019 : \$5,000 to \$20,000
Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No
Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No
May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 46

Project Name : Land Use License #60-WS0754 (South Puget Sound Region)
Project Objective : To conduct educational geologic tours
Short project description (include main point of contact and other relevant information - max. 650 words) : Ongoing program on Tiger Mountain to take grade school field trips, adult trips, Parks Departments, Scouts, and children's birthday parties on tours to rock pits and other significant areas of interest to look for minerals.
SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education
Select state(s)/province(s) for this project : Washington
Other Organizations : Geology Adventures
Estimated Project Start Date : 2015-04-01
Estimated Project End Date : 2020-03-31
Dollar amounts are in: : US Dollars (USD)
Estimated total project cost : less than \$5,000
Your organization contribution in 2019 : less than \$5,000
Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No
Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No
May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? :

Share - with our organization's name

Project 47

Project Name : Land Use License #60-WS0738 (South Puget Sound Region)

Project Objective : Improve elk habitat

Short project description (include main point of contact and other relevant information - max. 650 words) : To create forest edge openings & remove downed trees to enhance wildlife mobility and foraging on DNR property east of North Bend. In August 2019, our Snoqualmie Unit Forester also met with this Group to present details of an upcoming timber sale in their License area.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Upper Snoqualmie Valley Elk Management Group

Estimated Project Start Date : 2015-01-16

Estimated Project End Date : 2020-01-15

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 48

Project Name : Land Use License #60-WS0736 (South Puget Sound Region)

Project Objective : Conduct research on elk groups

Short project description (include main point of contact and other relevant information - max. 650 words) : To conduct research on elk groups through a combination of volunteers and staff via ground access for the purpose of monitoring the distribution and evaluating the apparent prevalence of treponeme-associated hoof disease.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project :

Washington

Government Organizations : WDFW

Estimated Project Start Date : 2015-03-01

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 49

Project Name : Land Use License #60-093386 (South Puget Sound, Olympic, Pacific Cascade, Northwest, Northeast and Southeast Regions)

Project Objective : Conduct research on gray wolves

Short project description (include main point of contact and other relevant information - max. 650 words) : The study and management of gray wolves consistent with the Gray Wolf Conservation and Management Plan for Washington. Wolves will be tranquilized using tranquilizer darts shot from helicopters or captured via live capture traps, fit with radio collars and released. Survival/statistics will be monitored via radio signals.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Government Organizations : WDFW

Estimated Project Start Date : 2015-01-01

Estimated Project End Date : 2019-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation

and community engagement? : Share - with our organization's name

Project 50

Project Name : Interagency Agreement #IAA-10-381 (South Puget Sound Region)

Project Objective : To maintain this working forest and a clean water supply.

Short project description (include main point of contact and other relevant information - max. 650 words) : To provide continued cooperation to ensure production of high quality water from the Green River Watershed and support the land management objectives of the Watershed landowners.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3. Protection and Maintenance of Water Resources

Select state(s)/province(s) for this project : Washington

Government Organizations : City of Tacoma

Estimated Project Start Date : 0011-02-11

Estimated Project End Date : 2020-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 51

Project Name : Biosolid application effectiveness (SPS Region)

Project Objective : Determine effects of biosolids on Douglas-fir plantations to determine appropriate rates that maximize productivity.

Short project description (include main point of contact and other relevant information - max. 650 words) : Use different application rates of biosolids on Douglas-fir plantations to determine appropriate rates that maximize productivity.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Academic Organizations : University of Washington

Government Organizations : King County Metro

Estimated Project Start Date : 1985-01-01

Estimated Project End Date :

2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 52

Project Name : Fire History Study (SPS Region)

Project Objective : Determine fire history of the Marckworth State Forest

Short project description (include main point of contact and other relevant information - max. 650 words) : Use pollen spores recovered from sediment samples taken from wetlands to identify plant species and determine plant community changes over centuries. This data will allow researchers to develop a chronological fire history of the area.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Montana

Estimated Project Start Date : 2005-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 53

Project Name : Green River College capstone project (SPS Region)

Project Objective : Forest Management projects to achieve student's capstone class requirements for 4-year BAS Natural Resources degree.

Short project description (include main point of contact and other relevant information - max. 650 words) : Students select type of project, plan how to achieve project and present completed project to DNR and GRC staff. Works with DNR staff minimally to obtain direction and expectations. Approximately 200 hours for completed project. In December 2019, our Snoqualmie Unit Forester met with these Capstone students to discuss field work expectations for an upcoming timber sale.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Academic Organizations : Green River College, Grays Harbor College

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 54

Project Name : Forest Internship program (SPS Region)

Project Objective : To provide students from local colleges with accredited Natural Resource programs a program to develop relevant industry skills and gain experience.

Short project description (include main point of contact and other relevant information - max. 650 words) : Natural Resource program students at Green River or Grays Harbor College will work with DNR foresters, engineers, cruisers, wildlife biologist and recreation staff to develop skills and knowledge as it relates to management of State Trust Lands in the Timber Sales and Public Use programs in the DNR South Puget Sound Region.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River College, Grays Harbor College

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 55

Project Name : Grays Harbor College Natural Resource Advisory Committee (South Puget Sound Region)

Project Objective : Represent DNR for the Forestry program at Grays Harbor College.

Short project description (include main point of contact and other relevant information - max. 650 words) : 1. The Black Hills District Manager serves on the Advisory Committee for the Forestry program at Grays Harbor College. Specific responsibilities include:

- Attend bi-annual meetings
- help improve the Forestry program by generating new ideas, making suggestions and promoting constructive and necessary change in the program
- study the problem under consideration and help to reach a consensus for appropriate action
- provide advice, opinions, time and energy on planning, development and evaluation of the program and to improve the instructional efforts
- communicate/provide expertise for specific needs from employers regarding skills and competencies needed by job applicants (for example: in harvesting and transportation design to be built into the coursework)
- guide the program so the students acquire the knowledge, skills and attitudes necessary to enter the workforce
- identify and validate academic and occupational competencies
- recommend new technologies to include in the program
- facilitate student job shadowing, internships or cooperative work experiences;

conduct interviews for various internship opportunities

- increase community awareness of professional-technical education
- help with student recruitment and job placement
- provide back-to-industry opportunities for instructors
- determine effectiveness of the program
- advocate for a quality education

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11.
Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Grays Harbor College

Estimated Project Start Date : 2008-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 56

Project Name : Grays Harbor CC students introduction to DNR-Black Hills District

Project Objective : Introduce new forestry students to the different programs within the DNR

Short project description (include main point of contact and other relevant information - max. 650 words) : Several different DNR programs gave a short overview of their programs to Grays Harbor Community College Introduction to Forestry students.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 12.
Community Involvement and Landowner Outreach

Select state(s)/province(s) for this project : Washington

Academic Organizations : Grays Harbor Community College

Estimated Project Start Date : 2019-11-19

Estimated Project End Date : 2019-11-19

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 57

Project Name : Green River College Mentor Night (SPS Region)

Project Objective : To familiarize natural resource college students to positions in the industry

Short project description (include main point of contact and other relevant information - max. 650 words) : Various DNR staff attend Green River College Mentor night for the Natural Resource Program each year and present their position responsibilities.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River College

Estimated Project Start Date : 2010-01-01

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 58

Project Name : Land Use License #60-WS0817 (South Puget Sound Region)

Project Objective :

Measure ground water levels

Short project description (include main point of contact and other relevant information - max. 650 words) : To install and operate a monitoring station at an existing well site to continually measure ground water levels. USGS will install, use, and maintain one stream gauging station, one GPS receiver mounted to the station, and one maximum 12-foot tall mast on which a solar panel and GPS antenna will be mounted.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : U.S. Department of the Interior-U.S. Geological Survey (USGS)

Estimated Project Start Date : 2016-05-01

Estimated Project End Date : 2021-04-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 59

Project Name : Land Use License #60-WS0830 (South Puget Sound Region)

Project Objective : Operation and maintenance of an existing rain gauge and apparatus

Short project description (include main point of contact and other relevant information - max. 650 words) : Operation and maintenance of equipment installed in 2012 under a Pacific Cascade Region issued License at the Cedar Creek Corrections Facility. This includes a single metal pole, less than 20 feet exposed and set 4 feet deep in concrete, with a rain gauge, antenna, solar panel, and locked instrument box mounted on the pole.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Other Organizations : West Consultants, Inc.

Estimated Project Start Date :

2016-07-01

Estimated Project End Date : 2020-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 60

Project Name : Land Use License #60-093901 (Olympic, South Puget Sound, Pacific Cascade, Northwest, Northeast, and Southeast Regions)

Project Objective : Collect data for the USFS Forest Inventory and Analysis (FIA) Program, Phase 2 and Phase 3 Monitoring.

Short project description (include main point of contact and other relevant information - max. 650 words) : A statewide blanket long-term license has been issued for this annual program which conducts ongoing forest inventory work using 2-3 person field crews who visit established inventory plots. Data collected includes status and trends in forest area and location; species, size and health of trees; total tree growth, mortality and removals in harvest; wood production and utilization rates by various products; forest land ownership; understory vegetation, downed woody materials, and water proximity.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : U.S. Forest Service- Pacific Northwest Research Station

Estimated Project Start Date : 2016-04-01

Estimated Project End Date : 2021-03-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 61

Project Name : Cooperative Agreement #93-096597 (South Puget Sound Region)

Project Objective : Enhance multiple uses of public lands by assisting with the construction of new mountain bike trails on Tiger Mountain & conducting maintenance activities on trails in Raging River State Forest.

Short project description (include main point of contact and other relevant information - max. 650 words) : EMBA will construct two new trails totaling approximately 1.5 miles in length, to help meet intended user experiences for the overall planned East Tiger Mountain trail system, while performing maintenance activities along a 0.8-mile length trail segment within Raging River State Forest. This project will meet objectives identified during a public planning process, resulting in the Snoqualmie Corridor Recreation Plan, by providing additional and well-maintained outdoor recreation options for visitors. Collaborating with EMBA will help engage the community by facilitating donated volunteer labor and will help meet required grant-funding deliverables.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Community Organizations : Evergreen Mountain Bike Alliance

Estimated Project Start Date : 2017-12-07

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 62

Project Name : Land Use License #60-095046 (South Puget Sound Region)

Project Objective :

Manage an established western pond turtle population

Short project description (include main point of contact and other relevant information - max. 650 words) : Manage and continue to establish a population of western pond turtles at Goat Ranch pond; western pond turtles are classified as a Washington State Endangered Species.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Government Organizations : WDFW

Estimated Project Start Date : 2017-01-01

Estimated Project End Date : 2027-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 63

Project Name : Land Use License #60-095576 (South Puget Sound, Northwest, and Pacific Cascade Regions)

Project Objective : Conduct research on black-tailed deer buck survival

Short project description (include main point of contact and other relevant information - max. 650 words) : To conduct research via ground access and aircraft including capturing and collaring bucks via helicopter net-gunning and possibly spotlight darting, and to monitor survival via VHF radio signals.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : WDFW

Estimated Project Start Date : 2017-05-02

Estimated Project End Date : 2022-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it

relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 64

Project Name : Cooperative Agreement #93-097450 (South Puget Sound Region)

Project Objective : Invasive plant removal in the NRCA and State trust lands in the Mountains to Sound Greenway.

Short project description (include main point of contact and other relevant information - max. 650 words) : To provide technical services and invasive plant removal activities for DNR NRCA and trust lands in the Mountains to Sound Greenway with an emphasis on the Middle Fork Snoqualmie River Valley. Using existing surveys and local knowledge, MTS will control regulated noxious weeds in the Mount Si NRCA, Middle Fork Snoqualmie NRCA, Tiger Mountain, West Tiger NRCA, Mitchell Hill, Rattlesnake Mountain, Raging River State Forest, and Echo Glen areas; and will control non-regulated noxious weeds in the Middle Fork Snoqualmie River Valley and on all other DNR lands in the Mountains to Sound Greenway.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Mountains to Sound Greenway Trust

Estimated Project Start Date : 2018-05-23

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 65

Project Name : Cooperative Agreement #93-097494 (South Puget Sound Region)

Project Objective : To implement new recreation trail development objectives and strategies identified for the Mount Si NRCA within the Snoqualmie Corridor Recreation Plan that was completed March of 2015.

Short project description (include main point of contact and other relevant information - max. 650 words) : To provide river access and day-use areas along the Middle Fork of the Snoqualmie River where appropriate, with the strategy of developing an Oxbox Lake site-specific plan. This project includes developing a new Oxbox Lake loop trail opportunity, install vault toilet buildings (CXTs) at Oxbox Lake and Champion Beach, converting 0.4miles of orphaned forest road grades to hiking trail, developing 1.2miles of new trail, and decommissioning .10miles of orphaned roads. MTS will coordinate logistics, resources and materials, comply with permit requirements and help DNR communicate the project to the hiking community. This project is fully funded by capital funds through the Natural Areas Program.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Mountains to Sound Greenway Trust

Estimated Project Start Date : 2018-06-18

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 66

Project Name : Cooperative Agreement #93-097844 (SPS Region)

Project Objective : Implement restoration, salvage and demolition tasks and provide other technical services on newly acquired land in the Stavis NRCA.

Short project description (include main point of contact and other relevant information - max. 650 words) :

This project includes noxious weed control activities, installing new tree and shrub plantings, salvaging and demolishing two houses and one garage, removing two septic systems, and properly decommissioning and capping an existing well. This new additions to the Stavis NRCA will help provide long-term protection for rare forest plants prevalent to the Kitsap Peninsula.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2018-10-30

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 67

Project Name : Interagency Agreement #93-097737 (SPS Region)

Project Objective : Establish the Parties' respective rights, roles, and responsibilities regarding the Gateway Planning Project located in the Mountains to Sound Greenway.

Short project description (include main point of contact and other relevant information - max. 650 words) : To establish a framework for planning, public outreach and design of parking facilities at Highpoint (Exit 20 on I-90), and for planning of trails and connections between King County-managed Grand Ridge Park and DNR-managed Mitchell Hill State Forest.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Government Organizations : King County

Estimated Project Start Date : 2018-12-03

Estimated Project End Date : 2023-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$20,000 to \$50,000

Your organization contribution in 2019 :

\$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 68

Project Name : Interlocal Agreement #93-097336 (SPS Region)

Project Objective : Continue the cooperative relationship between the Parties regarding the High Point Way Trailhead and provide for the shared maintenance, management, and operation of the same.

Short project description (include main point of contact and other relevant information - max. 650 words) : DNR will procure, manage, and oversee maintenance and custodial services contracts for the maintenance and upkeep of the Trailhead. The City will reimburse DNR for 50% of the direct costs for those contract services as well as manage and issue permits on City property for all public uses of the Trailhead, and will also coordinate with DNR on all events involving the Trailhead that will make use of the trails on DNR land, work with partners other than DNR regarding the use of the trailhead, make improvements to the Trailhead such as planting, clearing, adding or removing amenities and/or elements at the site, and maintain the access road to the Trailhead by clearing and mowing. Both parties will coordinate the review and updating of all signage, and work cooperatively on long-term planning for uses, capital planning, and partnerships.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Government Organizations : City of Issaquah

Estimated Project Start Date : 2018-07-01

Estimated Project End Date : 2028-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 69

Project Name : Interagency Agreement #93-094790 (SPS Region)

Project Objective : Improve access to and a parking facility for the Mid-Fork Snoqualmie River Valley.

Short project description (include main point of contact and other relevant information - max. 650 words) : To establish a framework for construction and maintenance of a parking lot and associated facilities at the Granite Creek Trailhead in the Mid-Fork Snoqualmie River Valley. This project will be funded by both capital funds and a NOVA grant.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Government Organizations : King County

Estimated Project Start Date : 0007-01-13

Estimated Project End Date : 2021-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 70

Project Name : Land Use License #60-WS0962 (South Puget Sound Region)

Project Objective : Research beargrass

Short project description (include main point of contact and other relevant information - max. 650 words) : To map and describe past anthropogenic landscapes; specifically the distribution and ecology of lowland beargrass. Activities involve GPSing locations where beargrass was found, and recording information about the plant community at each location beargrass is found.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10.
Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : USDA Forest Service- Pacific Northwest Research Station

Estimated Project Start Date : 2018-04-30

Estimated Project End Date : 2019-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 71

Project Name : Land Use License #60-WS0976 (South Puget Sound Region)

Project Objective : Survey for, treat/remove knotweed, and other noxious weeds.

Short project description (include main point of contact and other relevant information - max. 650 words) : Survey for, treat, and/or remove knotweed species and other noxious weeds on all DNR Trust lands within Mason County boundaries.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2.
Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Government Organizations : Mason County Noxious Weed Control Board

Estimated Project Start Date : 2018-08-01

Estimated Project End Date : 2019-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? :

No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 72

Project Name : Land Use License #60-WS0979 (South Puget Sound Region)

Project Objective : Survey for, treat/remove knotweed, and other noxious weed along riparian zones.

Short project description (include main point of contact and other relevant information - max. 650 words) : Survey for, treat, and/or remove knotweed species and other noxious weeds along riparian zones in portions of the Tahuya State Forest.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2018-08-01

Estimated Project End Date : 2019-09-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 73

Project Name : Land Use License #60-WS0983 (South Puget Sound Region)

Project Objective : Conduct outdoor programs.

Short project description (include main point of contact and other relevant information - max. 650 words) : To conduct YMCA-sponsored outdoor programs including Teen Outdoor Leader Club, Y Earth Service Corps with local schools, Family Outdoors Program, and Summer Camps. Program activities include hiking, rock-climbing, and snowshoeing.

SFI 2015-2019 Standard Objective most relevant to project :

FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Community Organizations : Sammamish Community YMCA

Estimated Project Start Date : 2018-10-01

Estimated Project End Date : 2023-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 74

Project Name : Land Use License #60-WS0989 (South Puget Sound Region)

Project Objective : Estimate and monitor black bear populations and the impacts of various management actions.

Short project description (include main point of contact and other relevant information - max. 650 words) : Conduct research on black bear, including placing hair snare traps. Primary objective is to estimate and monitor black bear populations and the impacts of various management actions.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 4. Conservation of Biological Diversity

Select state(s)/province(s) for this project : Washington

Government Organizations : WDFW

Estimated Project Start Date : 2018-01-01

Estimated Project End Date : 2020-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? :

Share - with our organization's name

Project 75

Project Name : Cooperative Agreement #93-098628 (South Puget Sound Region)

Project Objective : Enhance multiple uses of public lands by adding an additional Trailhead Direct shuttle stop to serve Little Si.

Short project description (include main point of contact and other relevant information - max. 650 words) : The purpose of this project is to construct a new roadside shuttle stop and waiting area next to the Little Si overflow parking lot so that Trailhead Direct can provide service to this popular trailhead/trail also. In 2018 King County Metro expanded their new Trailhead Direct program to provide alternative means of transportation for the region's growing population with a shuttle service to some of the most popular trailheads in the county including Mount Si, Mount Teneriffe, Mailbox Peak and several other trailheads around the city of Issaquah. DNR is constructing this new shuttle stop at the request of King County Metro based on input from surveys of last year's shuttle riders.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Mountains to Sound Greenway Trust

Estimated Project Start Date : 2019-03-28

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$20,000 to \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 76

Project Name : Cooperative Agreement #93-098934 (South Puget Sound Region)

Project Objective : Enhance multiple uses of public lands, increase safety, and created sustainable designated public hiking trail opportunities by utilizing volunteer labor to maintain Snoqualmie Corridor trails located within the West Tiger Mountain NRCA.

Short project description (include main point of contact and other relevant information - max. 650 words) : To maintain and renovate trails within the West Tiger Mountain NRCA. WTA will recruit, train, mobilize and supervise a large volume of public volunteers. They will also ensure volunteers are registered with DNR, train volunteers to use the proper personal protective equipment, and coordinate public outreach and media announcements related to the project with DNR.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Community Organizations : Washington Trails Association

Estimated Project Start Date : 2019-04-20

Estimated Project End Date : 2019-05-15

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 77

Project Name : Cooperative Agreement #93-099476 (South Puget Sound Region)

Project Objective : To provide technical services on newly acquired land.

Short project description (include main point of contact and other relevant information - max. 650 words) : The purpose of this agreement is to implement reforestation, clean-up and demolition tasks on the newly acquired Camp Hahobas property in the West Tahuya State Forest, including removing trash, completing a hazardous materials survey and abatement, performing septic pumping, and demolishing and removing structures located on the property.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Community Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2019-06-21

Estimated Project End Date : 2019-06-30

Dollar amounts are in: :

US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 78

Project Name : Cooperative Agreement #93-099539 (South Puget Sound Region)

Project Objective : To provide technical services on newly acquired land.

Short project description (include main point of contact and other relevant information - max. 650 words) : The purpose of this agreement is to provide

technical services on the newly acquired land (Hailstone Property) in the West Tiger Mountain NRCA and perform an asbestos survey/provide an asbestos survey report.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Mountains to Sound Greenway Trust

Estimated Project Start Date : 2019-10-07

Estimated Project End Date : 2019-11-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 79

Project Name : Cooperative Agreement #93-099919 (South Puget Sound Region)

Project Objective :

To provide technical services on newly acquired land.

Short project description (include main point of contact and other relevant information - max. 650 words) : The purpose of this agreement is to provide technical services on the newly acquired land (Hailstone Property) in the West Tiger Mountain NRCA including trash clean-up, abandoned vehicle removal, complete asbestos abatement, septic pumping, underground oil tank decommissioning, and removing a small cabin structure.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Community Organizations : Friends of the Trail

Estimated Project Start Date : 2019-10-07

Estimated Project End Date : 2019-12-15

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : over \$50,000

Your organization contribution in 2019 : over \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 80

Project Name : Interagency Agreement #93-099397 (South Puget Sound Region)

Project Objective : Future improvement of West Tiger Mountain NRCA and Tradition Plateau.

Short project description (include main point of contact and other relevant information - max. 650 words) : The purpose of this agreement is to complete a site analysis and exploration of precedents to support the future improvement of public access, connections, and facilities for environmental education, day use, and nature play on West Tiger Mountain and Tradition Plateau and to explore how the Highpoint Exit on I-90 can be developed as a Gateway to the Snoqualmie Corridor. In 2018, DNR, in partnership with King County and City of Issaquah, obtained a grant entitled 'Snoqualmie Corridor Gateway Facility and Trail Design' from the Washington Recreation and Conservation Office for public use planning in several connected public forests located within King County.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington (Green Futures Research and Design Lab, Department of Landscape Architecture, College of Built Environment

Government Organizations : City of Issaquah, King County

Estimated Project Start Date : 2019-06-05

Estimated Project End Date : 2020-09-15

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$20,000 to \$50,000

Your organization contribution in 2019 : \$20,000 to \$50,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 81

Project Name : Interagency Agreement #93-099822 (South Puget Sound Region)

Project Objective : Provide invasive species control services.

Short project description (include main point of contact and other relevant information - max. 650 words) : The Healthy Lands Project aims to have lands within the Land Conservation Initiative, adjacent lands, and rights of way to be free of significant impacts from noxious weeds. The Rattlesnake Mountain Scenic Area has 4 parcels, totaling 26.4 acres, owned by DNR that were recently logged and replanted by the previous landowner. The land is set to a restoration trajectory but noxious weeds are starting to establish on the site. Early intervention of noxious weed control will allow forest succession to take place relatively free from noxious weed impacts.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 2. Forest Health and Productivity

Select state(s)/province(s) for this project : Washington

Government Organizations : King County Noxious Weed Control Program

Estimated Project Start Date : 2019-10-14

Estimated Project End Date : 2019-10-25

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard :

No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 82

Project Name : Work Order #93-099396 (South Puget Sound Region)

Project Objective : Cultural Resource assessment and monitoring of the Woodard Bay NRCA trail improvement project.

Short project description (include main point of contact and other relevant information - max. 650 words) : DNR has contracted Aqua Terra Cultural Resource Consultants to request assistance with a cultural resource assessment for the proposed Woodard Baby NRCA trail reroutes. Five suggested trail reroutes have been proposed and this project will address the cultural resource services needed to assess the proposed trail routes. The purpose of the trail reroutes is to 1/ avoid wet and sensitive areas; 2/ eliminate boardwalks and steps; 3/ improve maintenance access; 4/ increase sustainability; 5/ move trail away from houses; and 5/ Add interest.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Other Organizations : Aqua Terra Cultural Resource Consultants

Estimated Project Start Date : 2019-06-08

Estimated Project End Date : 2020-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : \$5,000 to \$20,000

Your organization contribution in 2019 : \$5,000 to \$20,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 83

Project Name : Land Use License #60-WS1015 (South Puget Sound Region)

Project Objective :

To conduct a rapid watershed assessment of the Tahuya River Watershed.

Short project description (include main point of contact and other relevant information - max. 650 words) : To conduct a rapid watershed assessment of the Tahuya River Watershed. This involves habitat observations and measurements in-stream or within the riparian zone of the Tahuya River.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3. Protection and Maintenance of Water Resources

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2019-03-18

Estimated Project End Date : 2019-10-01

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 84

Project Name : Land Use License #60-WS1023 (South Puget Sound Region)

Project Objective : Hold outdoor courses and clinics.

Short project description (include main point of contact and other relevant information - max. 650 words) : To offer navigation, hiking, climbing, snowshoeing, rescue methods, trail running, trail conditioning, waterfall canyoning, and other outdoor classes and courses to the public on DNR lands throughout the SPS Region.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 5. Management of Visual Quality and Recreational Benefits

Select state(s)/province(s) for this project : Washington

Other Organizations : The Mountaineers

Estimated Project Start Date : 2019-02-15

Estimated Project End Date : 2028-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it

relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 85

Project Name : Land Use License #60-WS1038 (South Puget Sound Region)

Project Objective : To study the effects of the pathogenic fungus Bsal on amphibians.

Short project description (include main point of contact and other relevant information - max. 650 words) : Project involves collecting 50 adult rough-skinned newts (*Taricha granulosa*) in both aquatic and terrestrial habitats by hand and/or with dip nets and/or minnow funnel traps, for a graduate research project to study the effects of Bsal under the approval of and following WDFW guidelines. Targeted area is the wetlands throughout Capitol State Forest with the exception of the Mima Mounds NAP.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Washington State University

Estimated Project Start Date : 2019-04-01

Estimated Project End Date : 2019-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 86

Project Name : Land Use License #60-WS1039 (South Puget Sound Region)

Project Objective : Educate elementary school students about forestry and high school students about teaching/presenting.

Short project description (include main point of contact and other relevant information - max. 650 words) : To hold a “Students in the Watershed” education program related to forestry and conservation, with 120 youth (fourth graders) from local elementary schools being taught by high school students at the Tahuya River Horse Camp in partnership with DNR.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2019-04-25

Estimated Project End Date : 2019-05-17

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 87

Project Name : Land Use License #60-WS1041 (South Puget Sound Region)

Project Objective : Conduct training and gather data for the 2019 stream survey.

Short project description (include main point of contact and other relevant information - max. 650 words) : To conduct training for the 2019 stream survey which includes sampling fish, amphibians, macroinvertebrates, and algae in Waddell Creek as part of the Watershed Health Monitoring (WHM) Program. Chemical and physical habitat data will also be gathered.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 3. Protection and Maintenance of Water Resources

Select state(s)/province(s) for this project : Washington

Government Organizations : Department of Ecology, Environmental Assessment Program

Estimated Project Start Date : 2019-06-01

Estimated Project End Date : 2019-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost :

less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 88

Project Name : Land Use License #60-WS1055 (South Puget Sound Region)

Project Objective : Assess the population levels of western spruce budworm in the Western Cascades Mountain Range.

Short project description (include main point of contact and other relevant information - max. 650 words) : Research project to assess the population levels of western spruce budworm in the Western Cascades Mountain Range. Activities include surveying the location, hanging plastic Unitraps (pheromone traps) from branches to attract and trap adult moths, monitoring the traps and removing them at the completion of the study.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 2019-07-15

Estimated Project End Date : 2019-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 89

Project Name : Land Use License #60-WS1056 (South Puget Sound Region)

Project Objective : Educate youth about DNR, forestry, recreation, and aquatics/hydrography.

Short project description (include main point of contact and other relevant information - max. 650 words) : Sponsor an educational two-day 'Explore the Fjord' day camp at Green Mountain with up to 20 youth learning about DNR, forestry, recreation, and aquatics/hydrography.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Conservation Organizations : Hood Canal Salmon Enhancement Group

Estimated Project Start Date : 2019-08-09

Estimated Project End Date : 2019-08-09

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 90

Project Name : Land Use License #60-WS1063 (South Puget Sound Region)

Project Objective : To study stream fauna.

Short project description (include main point of contact and other relevant information - max. 650 words) : Up to 28 Freshwater Ecology students and two instructors will access one or two stream segments for freshwater snorkel surveys. Activities include surveying contiguous ten-meter sections of stream while in full snorkeling gear and identifying fish and other invert species.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Seattle University

Estimated Project Start Date :

2019-11-23

Estimated Project End Date : 2019-11-25

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 91

Project Name : Land Use License #60-WS1071 (South Puget Sound Region)

Project Objective : To precisely date the flooding of the forest/damming of Price Lake and to contextualize the earthquake hazards in the area.

Short project description (include main point of contact and other relevant information - max. 650 words) : Using high precision geochronology to precisely date the flooding of the Hood Canal State Forest/damming of Price Lake and to contextualize the earthquake hazards in the area. Using handheld sampling equipment, samples were taken from the base of drowned trees standing in Price Lake.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 10. Forestry Research, Science and Technology

Select state(s)/province(s) for this project : Washington

Government Organizations : U.S. Geological Survey

Estimated Project Start Date : 2019-11-20

Estimated Project End Date : 2020-06-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? :

Share - with our organization's name

Project 92

Project Name : Green River Community College Advanced Silviculture Tour (South Puget Sound Region)

Project Objective : Silviculture Tour of Tiger Mountain State Forest.

Short project description (include main point of contact and other relevant information - max. 650 words) : Provide GRCC forestry students with examples of Silviculture options in succession from site preparation to PCT. Students were shown examples of recent treatments and evaluated stand performance. Tour also involved discussions on timber harvest, forest land management practices and sustainable forestry.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River Community College

Estimated Project Start Date : 2019-11-06

Estimated Project End Date : 2019-11-06

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 93

Project Name : Green River Industry Roundtable and Curriculum Review (SPS Region & Forest Resources)

Project Objective : Review current curriculum and give input on future changes to curriculum for the four year BS Forestry program.

Short project description (include main point of contact and other relevant information - max. 650 words) : About a dozen representatives from industry and 6-8 Green River admin staff and faculty met on Feb 8 at Port Blakely Headquarters to discuss the current 4 year curriculum and give input on how to improve on that and what might be missing or need more focus. Basically, discussing what they can do to help mold the perfect entry level forester going through a four year program.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11.
Training and Education

Select state(s)/province(s) for this project : Washington

Estimated Project Start Date : 2019-02-08

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 94

Project Name : University of Washington Forestry Career Panel (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) was one of three people from different types of resource management fields on a panel at that the UW Xi Sigma Pi (forestry honors society) sponsored for students in natural resource management programs. We each gave a brief description of the type of work we do and what a day in the life description of our jobs are. We also took questions from the audience. We spent about 3 hours doing this and then had pizza afterward and continued to network and interact with students and faculty.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11.
Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Community Organizations : Xi Sigma Pi (Forestry Honors Society)

Estimated Project Start Date : 2019-04-12

Estimated Project End Date : 2019-04-12

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard :

No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 95

Project Name : Green River Introduction to Soils Guest Lecture/Field Tour (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) took two separate (four hour long) field trips of Green River College soils students (approx. 30 total students) to several locations on Tiger Mountain discussing soils and DNR forest management.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River Community College

Estimated Project Start Date : 2019-04-18

Estimated Project End Date : 2019-05-30

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 96

Project Name : Bellevue College Native Plant ID Course (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) assist in teaching a WA native plant ID course that is taught at Bellevue College by a good friend and former professor of mine, Michael Hanson. I help out with instruction of native WA vegetation with a heavy forestry prospective while also promoting DNR forest management

through HCP, SHC, BMPs, etc. I assist about once a week (for 10-12 weeks) on Fridays and during the weekend camping trip. I have been doing this off and on for the past 10 years.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Bellevue Community College

Estimated Project Start Date : 2019-04-01

Estimated Project End Date : 2019-06-15

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 97

Project Name : Muckleshoot Annual Timber Sale Planning and Access Meeting (SPS Region)

Project Objective : Outreach, update, educate, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) met with Muckleshoot Tribe at their offices along with my colleagues; Scott Sargent, Dean Adams, Lee Roach, Laurie Benson and Andrew Reed. We discussed recent timber harvests and planned future harvests in the Rainier District along with any access issues that have come up in the recent past and what changes we can make moving forward. We brought maps of the forest blocks in the Snoqualmie and Black Diamond and Elbe Units which comprise the Rainier Dist. And we answered questions about maps during a breakout after the first part of the meeting had concluded.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 8. Recognize and Respect Indigenous People's Rights

FM Objective 12. Community Involvement and Landowner Outreach

Select state(s)/province(s) for this project : Washington

Government Organizations : Muckleshoot Tribe

Estimated Project End Date : 2019-09-12

Dollar amounts are in: :

US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 98

Project Name : UW Forest Ecology Course Guest Lecture/Field Tour (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) took two groups of about 15 UW students in each group from a Forest Ecology course on field tours of Tiger Mountain that lasted about five hours each tour. We discussed forest ecology and DNR variable retention harvesting along with RFRS thinnings and other DNR forest management based on HCP, SHC, etc... I have been doing this annually since 2015.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : University of Washington

Estimated Project Start Date : 2019-10-12

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 99

Project Name : GRC Conflict Management Course Guest Lecture/Field Tour (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : I (Paul Footen) took one group of 30 Green River College students from a Conflict Management course on a four hour field trip/tour of Tiger Mountain discussing DNR forest management and conflict resolution. I have been doing this since 2017.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project : Washington

Academic Organizations : Green River College

Estimated Project Start Date : 2019-10-14

Estimated Project End Date : 2050-12-31

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 100

Project Name : Snoqualmie Salmon Recovery Group Guest Lecture (SPS Region)

Project Objective : Outreach, education, answer questions

Short project description (include main point of contact and other relevant information - max. 650 words) : Myself (Paul Footen) and Eric Dasso from Forest Practices gave 30 minute presentations on DNR forest management in the Snoqualmie Watershed and took questions for about another 30 minutes from a panel of Snoqualmie Watershed Forum folks and the general public participating in the Snoqualmie Watershed Forum.

SFI 2015-2019 Standard Objective most relevant to project : FM Objective 11. Training and Education

Select state(s)/province(s) for this project :

Washington

Conservation Organizations : Snoqualmie Salmon Recovery Group

Government Organizations : WDFW, City of Snoqualmie

Community Organizations : Snoqualmie Watershed Forum

Estimated Project Start Date : 2019-11-20

Estimated Project End Date : 2019-11-20

Dollar amounts are in: : US Dollars (USD)

Estimated total project cost : less than \$5,000

Your organization contribution in 2019 : less than \$5,000

Are your organization's contribution in 2019 included in your Research Funding dollars reported above to meet SFI Standard Requirements as it relates to the research requirement in the standard : No

Is this project part of a 2019 SFI Conservation , Community or Education Grant? : No

May SFI use this project as an example in communications to help convey the exemplary work of SFI Program Participants in the areas of conservation and community engagement? : Share - with our organization's name

Project 101

Project 102

Project 103

Project 104

Project 105

Project 106

Project 107

Project 108

Project 109

Project 110

III. SFI Implementation Committees Funding

Funding provided last year for SFI Implementation Committee activities at the state or provincial level (Support for US SICs in \$US. Support for Canadian SICs in \$CA.)

US : 5000

Issues of Interest

Select the following Issues of Interest. This way we can keep you informed on these topics. (Optional)

Bioenergy

Biodiversity and Conservation

Carbon stocks

Forest Tree Biotechnology (answer the following about your organization)

We plan on investing in research with Genetically Engineered trees via forest tree biotechnology.

No

We currently invest in research with Genetically Engineered trees via forest tree biotechnology.

No

We have legal commercial plantings of Genetically Engineered trees via forest tree biotechnology that will be available as future marketable products.

No