Forestry
Conservation Activity Plans (CAP)

"A forest management plan is a site specific plan developed for a client, which addresses one or more resource concerns on land where forestry-related conservation activities or practices will be planned and applied."

FY2015 Forest Plan Paymnet Rates

106	EQIP	Forest Management Plan	FMP Less Than or Equal to 20 acres	988.09
106	EQIP	Forest Management Plan	HU-FMP Less Than or Equal to 20 acres	1185.71
106	EQIP	Forest Management Plan	FMP 21 to 100 acres	1248.12
106	EQIP	Forest Management Plan	HU-FMP 21 to 100 acres	1497.74
106	EQIP	Forest Management Plan	FMP 101 to 250 acres	2236.22
106	EQIP	Forest Management Plan	HU-FMP 101 to 250 acres	2683.46
106	EQIP	Forest Management Plan	FMP 251 to 500 acres	3224.31
106	EQIP	Forest Management Plan	HU-FMP 251 to 500 acres	3869.17
106	EQIP	Forest Management Plan	FMP 501 to 1000 acres	3744.36
106	EQIP	Forest Management Plan	HU-FMP 501 to 1000 acres	4493.23
106	EQIP	Forest Management Plan	FMP Greater Than 1000 acres	4680.45
106	EQIP	Forest Management Plan	HU-FMP Greater Than 1000 acres	5616.54

Why a CAP?

- Current use taxation
- Certification
- Prep for subsequent EQIP application
  - *A CAP helps an EQIP application rank higher*
  - *Not all conservation recommendations made in a CAP are guaranteed to be funded*

NRCS Priority Resource Concerns

- **WATER QUALITY DEGRADATION** - Excessive sediment in surface waters

- **DEGRADED PLANT CONDITION** - Undesirable plant productivity and health
  - Tree mortality due to disease, insects and animals.

- **DEGRADED PLANT CONDITION** - Excessive plant pest pressure

- **DEGRADED PLANT CONDITION** - Wildfire hazard, excessive biomass accumulation

- **INADEQUATE HABITAT FOR FISH AND WILDLIFE** - Habitat degradation

A Complete CAP Is Comprised of:

1. Forest management plan (aka CAP)
2. Job sheets
3. Soils data appendix
4. Biological Technical Note 14 (optional)

Site Visit & Field Data Collection

- Priority resource concerns
- Inventory method
- Stream assessment
- Roads

Forest Management Plan

EFOTG

Section III

- WA Integrated Forest Management Plan
- CAP Plan Criteria
- CAP Planner's Guide

Checklist of Resource Concerns

FOREST

CLIENT		LOCATION	
PLANNER		DATE	
LAND UNITS		TOOLS	

This check sheet is designed to assist planners and clients in identifying resource concerns during the planning process. The planning criteria in Section III of the FOTG sets the minimum level of treatment needed. If a screening question is NO, this indicates no resource concern exists and no assessment is required. If a screening question is YES, the assessment must be completed to evaluate if there is a resource concern. If the Assessment is YES, Planning Criteria is met. If the Assessment is NO, the Planning Criteria is not met and a Resource Concern exists.

Resource Concern * required response	Screening Questions No = Met Screening (Not a RC) YES = Go to Assessment	YES	NO	Assessment Tools	Assessment Level Required to Meet Planning Criteria YES = Meets Planning Criteria NO = Resource Concern	YES	NO
SOILS RESOURCES							
1. SOIL EROSION: Sheet, rill and wind *	Is soil surface organic residue cover < 60%?			➢ Visual inspection Forest Roads Inventory	Is the site stable and without visible signs of erosion?		
2.SOIL EROSION: Concentrated flow erosion *	Are classic gullies present?			➢ Field measurements ➢ Planner observation Forest Roads Inventory	Is classic gully management adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures?		
3.SOIL EROSION: Excessive bank erosion from streams, shorelines or water conveyance channels	Are streams or shoreline on or adjacent to site?			➢ SVAP2	For shorelines and water conveyance channels: Are banks stable or commensurate with normal geomorphological processes? AND For streambanks: Is SVAP2 bank condition element score >=5?		
	Is bank erosion from streams, shorelines or conveyance channels present?				OR If present, is bank erosion caused by upstream land use and beyond the client's control?		
4. SOIL QUALITY DEGRADATION: Subsidence	Are Histisol soils present?			➢ Client input ➢ Planner observation	Is subsidence adequately managed to meet client's objectives?		
	Are there Histisols present exhibiting subsidence?						
5. SOIL QUALITY DEGRADATION: Compaction	Is soil compaction a problem? AND Do activities cause soil compaction problems?			➢ Soil Quality Test Kit ➢ Observation of soil and plant condition ➢ Client input ➢ Planner observation	Is compaction managed to meet Client's production and management objectives?		
6. SOIL QUALITY DEGRADATION: Organic matter depletion	Is soil organic matter depletion a problem? AND Do activities cause soil organic matter depletion?			➢ Forest Health Assessment Forest Land Health Scorecard Soil Physical Properties organic matter	Does ground cover meet state criteria specific to ecological site?		
					OR Is soil organic matter managed to meet Client objectives?		

Job Sheets

APPENDIX II. MANAGEMENT PLAN IMPLEMENTATION TIMETABLE (30 years)

Year	Management Practice or Activity	Location (Stand)	Extent (#, acres, etc.)	NRCS Practice Code (if applicable)	Comments
2014-2019	Remove all invasive species by handslashing and/or spraying	1, 2, 6			
2014-2019	Monitor caged cedar seedlings	4, 6	63		Continue to lift cages to cover terminal leader until trees reach 4-5 high, at which point cages can be removed.
2014-2019	Monitor noble fir seedlings	5	2		Continue to cut back competing vegetation until trees are free-to-grow above surrounding brush.
2014-2019	Prune lower limbs off big leaf maple to improve value	1	19.5		
2014-2019	Pre-commercially thin alder.	2	7	666	
2014-2019	Build habitat piles and downed logs using slash from alder PCT	2	7	643	
2014-2019	Site prep and replant with conifers.	1a, HBB1, 2a	7.75	490 612	Underplant hardwoods at 200 tpa with cedar, hemlock and grand fir at a 50:25:25 ratio. Plant former blackberry patch at 250 trees per acre with a 50:50 mix of cedar and Douglas fir. Cage cedar to prevent deer browse.
2014-2024	Monitor former blackberry patch for regrowth of vines.	2	0.5		
2019-2024	Evaluate big leaf maple for commercial harvesting.	1, 4, 5	46.5		
2019-2024	Evaluate Douglas fir stands for commercial thinning.	6	38		
2020-2025	Evaluate stand for pre-commercial thinning	1	19.5		

Job Sheets

EFOTG

Section IV

Biological Technical Note 14

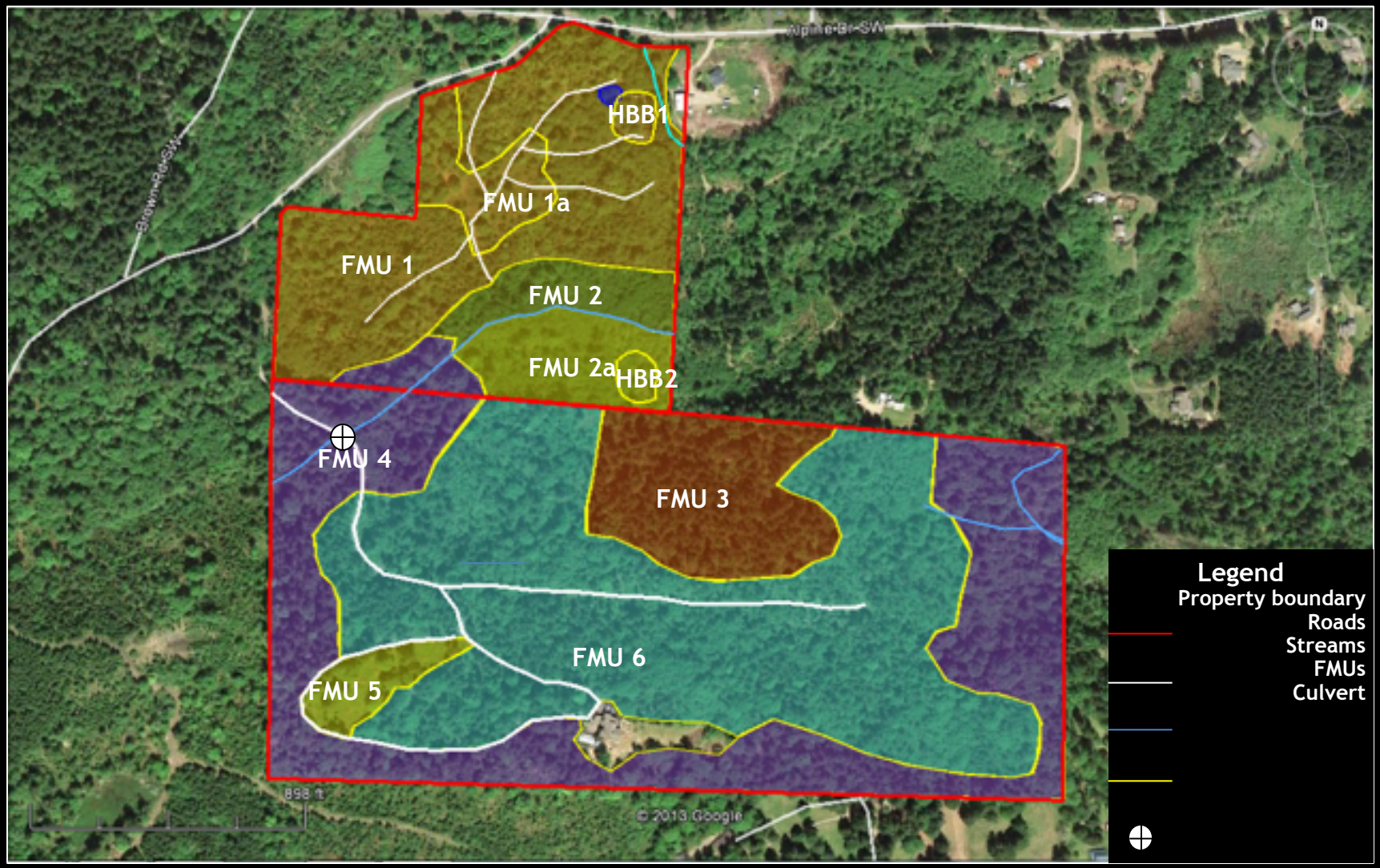
EFOTG

Section I

Soil Report


Firefox
Organization: Great Peninsula Conser...
Field Office Technical Guide (FOTG) | ...
eFOTG Tree Menu
Web Soil Survey - Home
websoilsurvey.sc.egov.usda.gov/App/HomePage.htm
web soil survey
USDA
United States Department of Agriculture
Natural Resources Conservation Service
Web Soil Survey
Home
About Soils
Help
Contact Us
You are here: Web Soil Survey Home
Search
Enter Keywords
Go
All NRCS Sites
Browse by Subject
Soils Home
National Cooperative Soil Survey (NCSS)
Archived Soil Surveys
Status Maps
Official Soil Series Descriptions (OSD)
Soil Series Extent Mapping Tool
Geospatial Data Gateway
eFOTG
National Soil Characterization Data
Soil Geochemistry Spatial Database
Soil Quality
Soil Geography
The simple yet powerful way to access and use soil data.
START WSS
Welcome to Web Soil Survey (WSS)
Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.
Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center or your NRCS State Soil Scientist.
Four Basic Steps
1 Define.
Area of Interest (AOI)
Use the Area of Interest tab to define your area of interest.
I Want To...
Start Web Soil Survey (WSS)
Know the requirements for running Web Soil Survey -- will Web Soil Survey work in my web browser?
Know the Web Soil Survey hours of operation
Find what areas of the U.S. have soil data
Find information by topic
Know how to hyperlink from other documents to Web Soil Survey
Announcements/Events
Web Soil Survey 3.0 has been released! View description of new features.
Web Soil Survey Release History
Sign up for e-mail updates via GovDelivery
I Want Help With...
Getting Started With Web Soil Survey
How to use Web Soil Survey
How to use Web Soil Survey Online Help

Conservation Activity Plan Map
Client's Name
Farm: 1234; Tract: 1234
Total project acres: 111
Date Created: 8/20/2013 By: Kirk Hanson, NW Certified Forestry



Submitting a CAP
NRCS Review and approval

- Signatures
- CAP Checklist

Managing EQIP Projects
Landowner Selected TSP Option

- Landowner should request TSP option at outset
- TSP funding is NOT guaranteed and may take some time to be committed
  - TSP funding is added to an EQIP contract as part of a contract modification
- Funding is allocated annually, and landowner must request TSP funding each year
- TSP payment options
  - TSP can bill landowner
  - NRCS can assign payment directly to

Types of Forestry Projects Funded by EQIP

Code	Practice Name
311	Alley Cropping
379	Multi-Story Cropping
380	Windbreak/Shelterbelt Establishment
381	Silvopasture Establishment
383	Fuel Break
384	Woody Residue Treatment
394	Firebreak
472	Access Control
490	Tree/Shrub Site Preparation
612	Tree/Shrub Establishment
650	Windbreak/Shelterbelt Renovation
654	Road/Trail/Landing Closure and Treatment
655	Forest Trails and Landings
660	Tree/Shrub Pruning
666	Forest Stand Improvement

Code	Practice name
314	Brush Management
315	Herbaceous Weed Control
327	Conservation Cover
338	Prescribed Burning
342	Critical Area Planting
382	Fence
395	Stream Habitat Improvement and Management
560	Access Road
578	Stream Crossing
580	Streambank and Shoreline Protection
595	Integrated Pest Management
643	Restoration and Management of Declining Habitats
644	Wetland Wildlife Habitat Management
645	Upland Wildlife Habitat Management
647	Early Successional Habitat Development/Management

Role of the TSP

Design

Installation

Check-out

Role of the TSP

Design

1. Site Visit
2. Job Sheet
3. EFOTG (Section IV)

Planting trees/shrubs

Tree/Shrub Site Preparation – 490

Tree/Shrub Establishment - 612

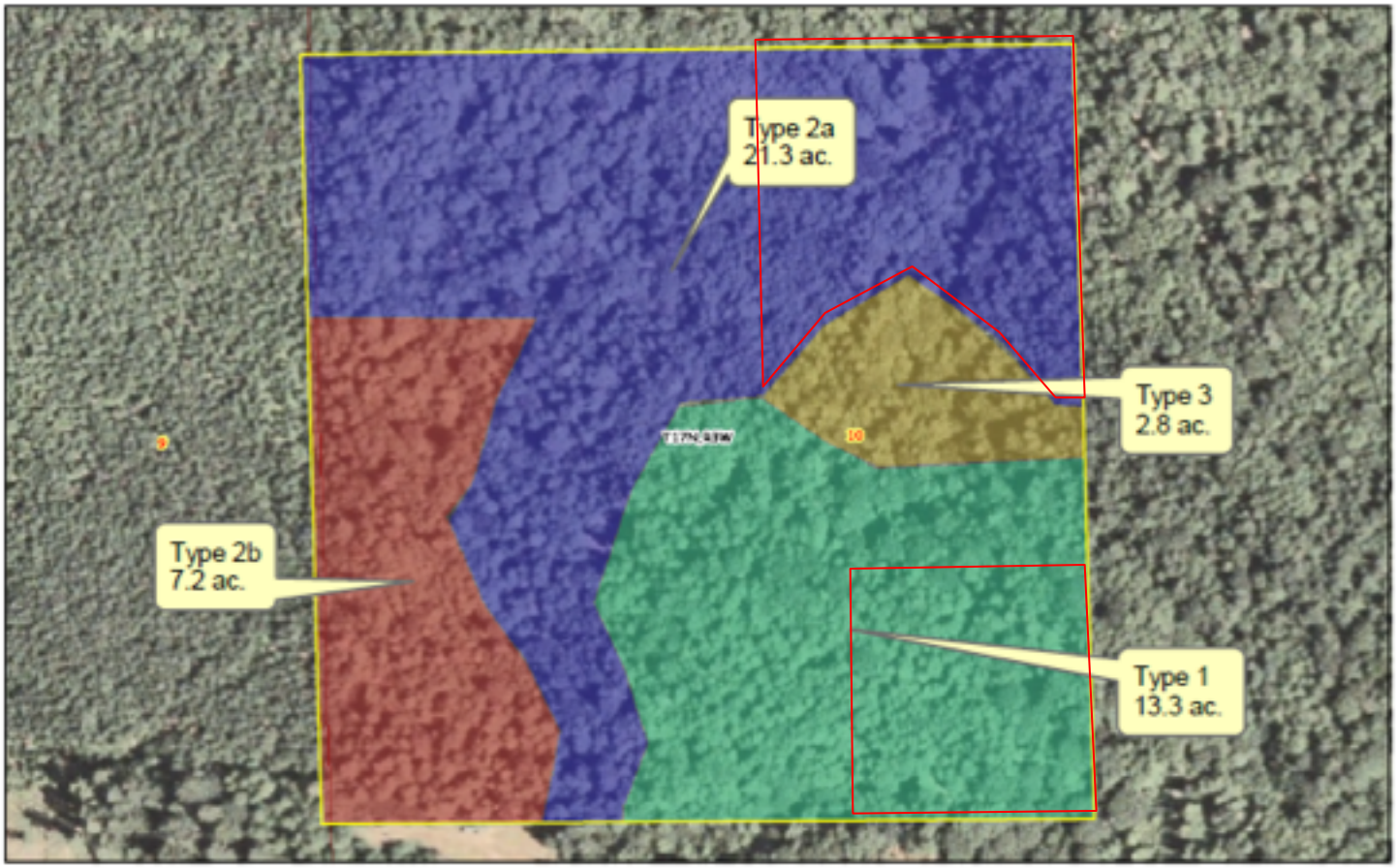
Role of the TSP

Installation

1. Site Visit
2. Job Sheet
3. EFOTG (Section IV)

Plan Map

Date: 11/30/2007
Field Office: OLYMPIA SERVICE CENTER
Agency: USDA NRCS
Assisted By: Jeffrey G Swotek
State and County: WA, THURSTON



Legend

Conspian

Resource Inventory (Polygon)

POLYTYPE

- Type 1
- Type 2a
- Type 2b
- Type 3

Townships

1-36

140 0 140 280 420 560 Feet

N

Practice Specifications Approval and Completion Certification

Client's Acknowledgement (To be signed after Job sheet is completed and before practice installation.)

By signing below, I acknowledge that I:

- have reviewed and understand the site specific design, installation specifications and operation/maintenance requirements in this Job Sheet and have an understanding of purposes and criteria for use of this conservation practice;
- will install, operate, and maintain this conservation practice in accordance with the site specific Job Sheet specifications.
- will make no changes to the planned design and installation without prior written approval of the Natural Resources Conservation Service.
- will obtain all necessary permits and/or rights, and comply with all ordinances and laws pertaining to the installation, operation, and maintenance of this conservation practice, prior to the start of installation; and
- will assume responsibility for notifying all Utilities affected by the installation, operation and maintenance of this conservation practice.

Signature	Date

Required Job Approval Authority or TSP Certification Category

NRCS Job Approval Authority:

(Job Class required for design and installation). (I, II, III, IV, or V).

Conservation Practice JAA:		Design:		Installation:	

Practice Units of Measure:	

Required Certification Categories for Technical Service Providers

"TECHREG CATEGORY" Listed for this Practice:	

Practice Design Certification: (To be completed after Job Sheet is complete and before practice installation.)

By signing below, I

- The conservation practice planning and design outlined in this Job Sheet Specification meet the purposes, associated criteria, appropriate site conditions and client objectives; and
- I have the required Job Approval Authority or TSP certification required for this conservation practice design.

Signature	Date

Print Name	Title
	Technical Service Provider

Practice Installation Certification (To be completed after practice installation and check out)

By signing below, I certify that:

- The practice has been installed according to the site specific installation requirements and specifications;
- the required operation and maintenance requirements are being met;
- I have the required Job Approval Authority or TSP Certification for this conservation practice installation.

Signature	Date

Print Name	Title
	Technical Service Provider

Certification and Check-out Notes: (Refer to photos or map or drawings if used):

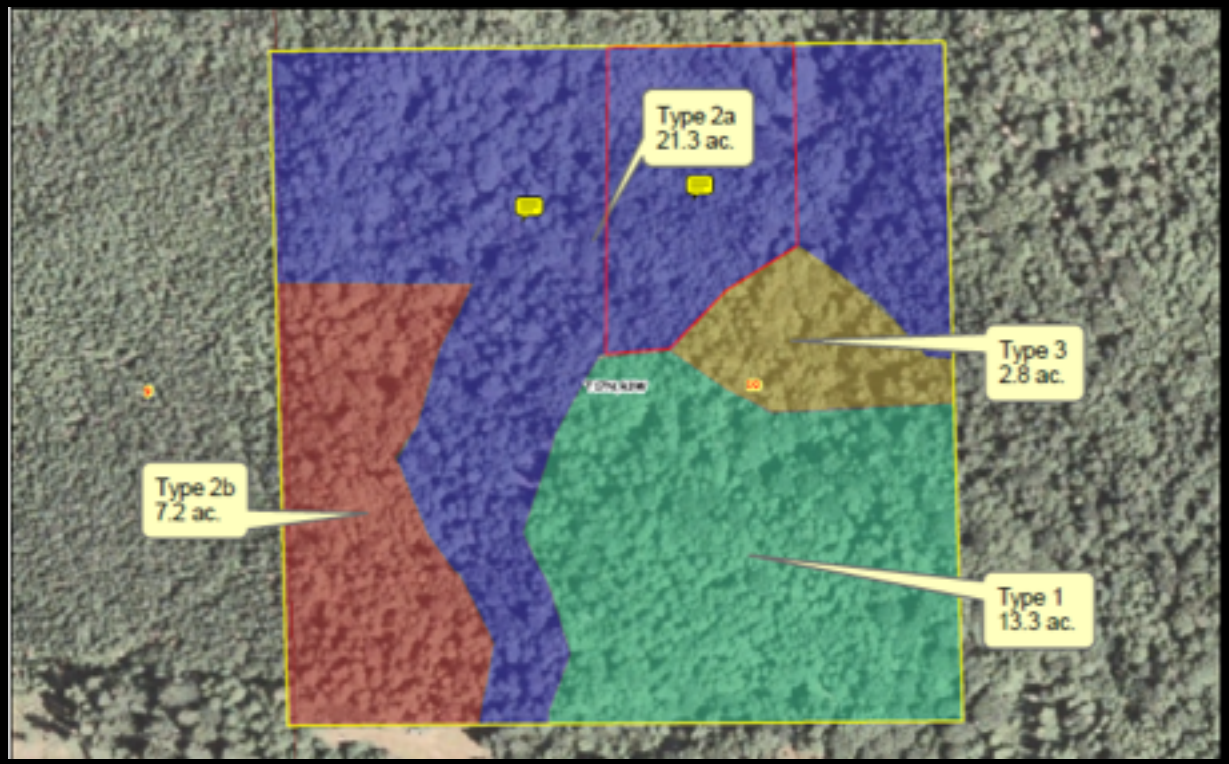
USDA is an equal opportunity employer and service provider.

EQIP Payment Rates

1. For conservation practices: NRCS Website
2. For TSP's: TechReg http://techreg.usda.gov

Examples of EQIP Projects

40 acres near Olympia
2009



NRCS Priority Concerns:

1. Degraded Plant Conditions (Overstocked stands, low natural regeneration)
2. Inadequate Habitat for Fish & Wildlife (no CWD or snags, limited forage)


Pre-commercial thin 16.5 acres = $1,650 ($100/acre)
Site Prep for planting 17.6 acres = $3,960 ($225/acre)
Tree/Shrub planting (400 hdwds @ $2.07) = $831
Tree/Shrub planting (1,675 conifers @ $0.90) = $1,507
Tree protectors (1,675 @ $1.48) = $2,479
Post planting veg. control = $880 ($50/acre)


123 habitat piles and downed logs = $11,070 ($90/ structure)

44 bird boxes = $1,980 ($45/box)

20 acres near McKenna 2011

NRCS Priority Concerns:

1. Degraded Plant Conditions (Overstocked stands, low natural regeneration)
2. Inadequate Habitat for Fish & Wildlife (no CWD or snags, limited forage)

Site Prep for planting 11.7 acres = $4,212 ($360/acre)

- Mechanical slash + hand spot treatment

Tree/Shrub planting (880 hdwds @ $2.07) = $1,821

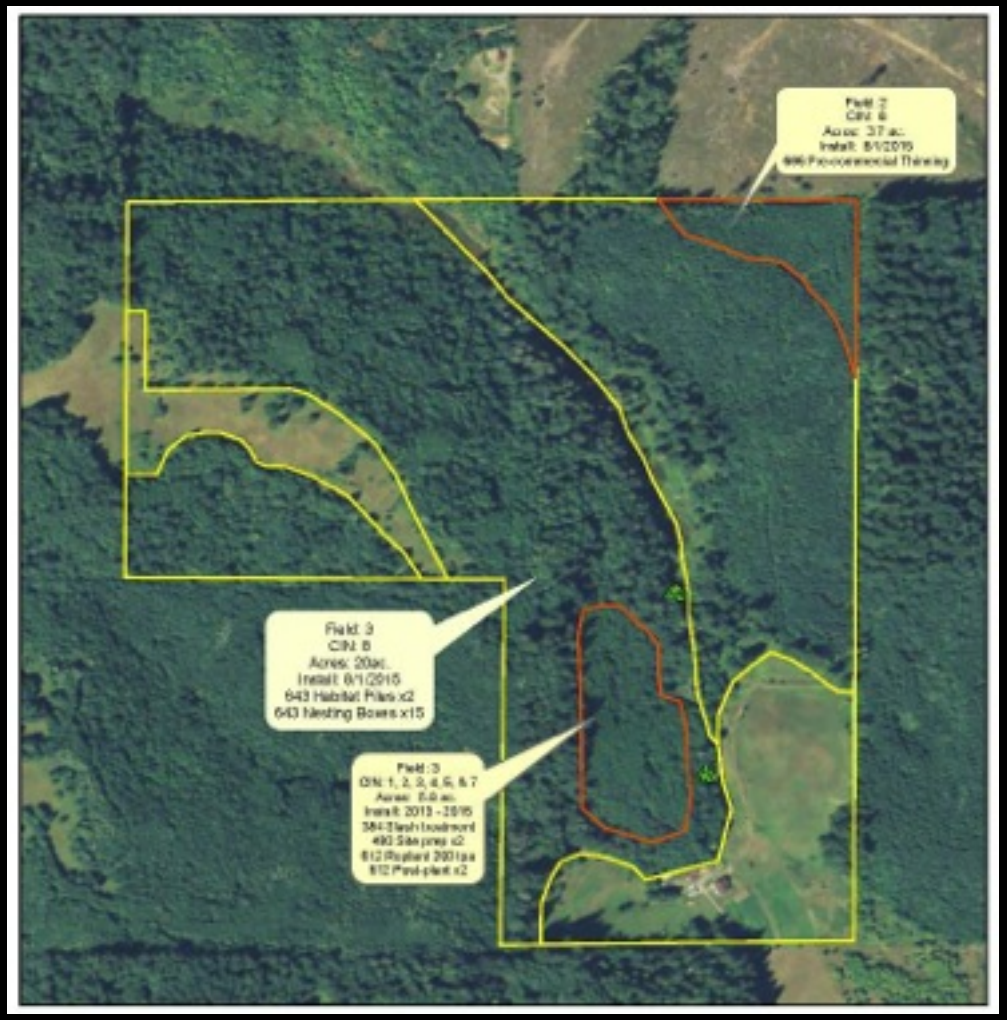
Tree/Shrub planting (1,755 conifers @ $0.90) = $1,580

Tree protectors (2,635 @ $1.48) = $3,026

Post planting veg. control = $1,187 ($100/acre)


20 bird boxes = $900 ($45/box)

69 acres near Chehalis 2012



NRCS Priority Concerns:

1. Degraded Plant Conditions (Overstocked stands, storm damage)
2. Inadequate Habitat for Fish & Wildlife (no CWD or snags, limited forage)


5.8 acres of Forest Slash Treatment = $1,305 ($225/ acre)
5.8 acres of Mechanical/Hand Slash = $1,253 ($216/ acre)
5.8 acre of hand spot treatment = $470 ($81/acre)


Tree/Shrub planting (1,160 conifers @ $0.90) = $1,044
Tree protectors (1,160 @ $1.48) = $1,728


Pre-commercial thin (light) 3.7 acres = $597 ($160/acre)