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Habitat Conservation Plan for State Trust Lands 2005 Annual Report

December 2005





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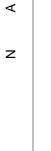
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December 2005

HCP Science Section Land Management Division





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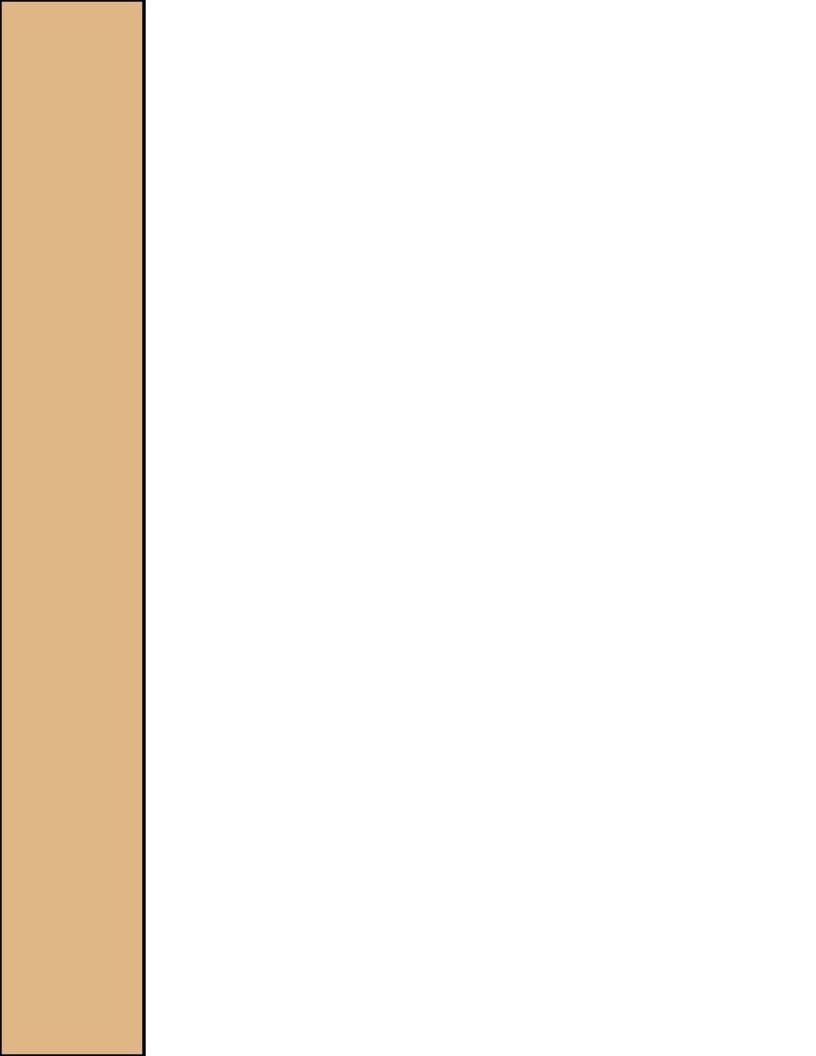
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INTRODUCTION

The Washington State Department of Natural Resources (DNR) manages roughly 2.1 million acres of forested state trust lands statewide. DNR's Habitat Conservation Plan (HCP) is a forest management plan that applies to approximately 1.6 million acres of forested state trust lands within the range of the northern spotted owl (*Strix occidentalis caurina*). Authorized under the Endangered Species Act (ESA), the HCP is a partnership between DNR and the United States Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (now known as NOAA Fisheries Service) (collectively, the Services). The HCP was signed in January 1997.

In general, the HCP guides DNR's management of forested state trust lands west of the crest of the Cascade Mountains and those on the eastern slopes of the Cascades, from the Canadian border to the Columbia River. To manage this habitat more efficiently and effectively, HCP lands have been broken into nine planning units based primarily on large watersheds. The HCP enables DNR to comply with ESA requirements by providing conservation objectives and strategies that provide habitat for listed and unlisted species while providing certainty, flexibility, and stability in meeting its trust responsibilities.

As new scientific data become available and an increased understanding of forest ecosystems is gained, DNR will continue to work with the Services to use adaptive management in adjusting strategies to better accomplish HCP habitat goals.

PLANNING UNITS



Figure 1.1. HCP planning units. Westside HCP planning units: Columbia, North Puget, Olympic Experimental State Forest (OESF), South Coast, South Puget and Straits

Eastside HCP planning units: Chelan, Klickitat and Yakima

The trust land Habitat Conservation Plan includes habitat management strategies for both ESA-listed species and unique habitats. Some of the major provisions of the HCP are described below.

CONSERVATION PLANNING STRATEGIES

ESA-Listed Species Habitats Protected

HCP management strategies focus primarily on habitat conservation and enhancement for species listed under the ESA. DNR's habitat management plan identifies specific conservation strategies for the northern spotted owl, marbled murrelet (*Brachyramphus marmoratus*), and riparian dependent species such as bull trout and salmon. These objectives and strategies are designed to conserve and enhance habitats that are ecologically appropriate for the support of multiple species, including those listed under the federal Endangered Species Act.

Multiple Species Protected

In addition to habitat for ESA listed species, the conservation strategies developed for the HCP were designed to provide appropriate habitat protection for many other species that are not currently listed or protected under the ESA. The HCP also provides specific habitat protection appropriate for numerous state-listed species of concern. The department approached land management in this manner in order to avoid future disruptions in management planning due to new ESA listings.

Unique Habitats Protected

Protection of specific habitats includes identifying critical habitat types such as caves, talus slopes, wetlands, and nesting sites for many species.

Adaptive Management

Ongoing research and monitoring may identify needed changes to management practices to address specific species and habitat needs; therefore, the HCP is also a dynamic, scientifically based adaptive management tool.

HIGHLIGHTS OF THE PAST YEAR

Riparian Forest Restoration Strategy

The HCP saw a new adaptive management success with the adoption of the Riparian Forest Restoration Strategy (RFRS). The riparian restoration strategy was jointly created with, and was subsequently approved by, the Services. The RFRS underwent extensive review from technical experts and interested parties, including state fish and wildlife representatives and tribal biologists; their insights contributed to its strength and viability.

This strategy specifies the restoration goals and approaches for DNR-managed riparian management zones on streams wider than two feet in Westside trust land forests outside of the Olympic Experimental State Forest (OESF). The OESF has an existing mandate to experimentally restore the function of riparian forests for fisheries and other habitat. Through research in the OESF, DNR has gained a better understanding of management in riparian areas and can apply many of the findings regarding the operational feasibility of, and forest stand response to, thinning in riparian areas. This knowledge, along with findings from the literature on riparian stand development and restoration, was used in the creation of the RFRS.

A weeklong lecture and field-based training was held in May of 2005 to familiarize key foresters from each region with the principles and practices of the riparian restoration strategy implementation. Nationally recognized fisheries and riparian ecologists Peter Bisson and Phil Peterson participated in the training along with 15 other instructors from DNR and other agencies.

Monitoring of experimental thinning in the OESF riparian areas has been conducted for several years. In 2005, active monitoring also was established in the South Puget and North Puget Planning Units. Active adaptive management designed to test the assumptions of the RFRS and explore future options to improve the effectiveness will be incorporated into DNR's research program. Region-based specialists will work with HCP Science section staff to create pilot projects, monitor, test, and implement the riparian restoration strategy.

Wetland Training

During calendar years 2004 and 2005, training was provided to each district in the Westside regions in support of implementation of the HCP riparian strategy as it applies to wetlands. Training objectives were to increase foresters' knowledge, skill level, confidence and independence in implementing the HCP in wetland areas. The training covered wetland definition; functions and values; wetland identification including identification of wetland soils and plants, as well as wetland hydrology interpretation; types of wetlands; management objectives and options, including HCP interpretation and wetland mitigation; and resources for wetland identification and management. Participants included foresters, district managers, forest engineers and region biologists, in groups of 15 to 20. Training included an in-office presentation with a hands-on component and site visits to look at wetland features and management. Training of this type will be repeated periodically for incoming groups of foresters.

Old Growth Forest Definition – Western Washington

In their 2004 session, the Washington State Legislature directed DNR to identify and map 'old growth forests' on DNR-managed state lands, as defined by a panel of experts in Pacific Northwest forest stand development and ecology. This panel included Drs. Jerry Franklin and Bob Van Pelt of the University of Washington and Dr. Tom Spies of the USDA Forest Service. A screening tool for identifying old growth forests was developed and tested during the winter and spring of 2005. The screening tool, called the Weighted Old Growth Habitat Index (Index), uses data from DNR's Forest Resource Inventory System (FRIS) to identify areas that have a high probability of being old growth.

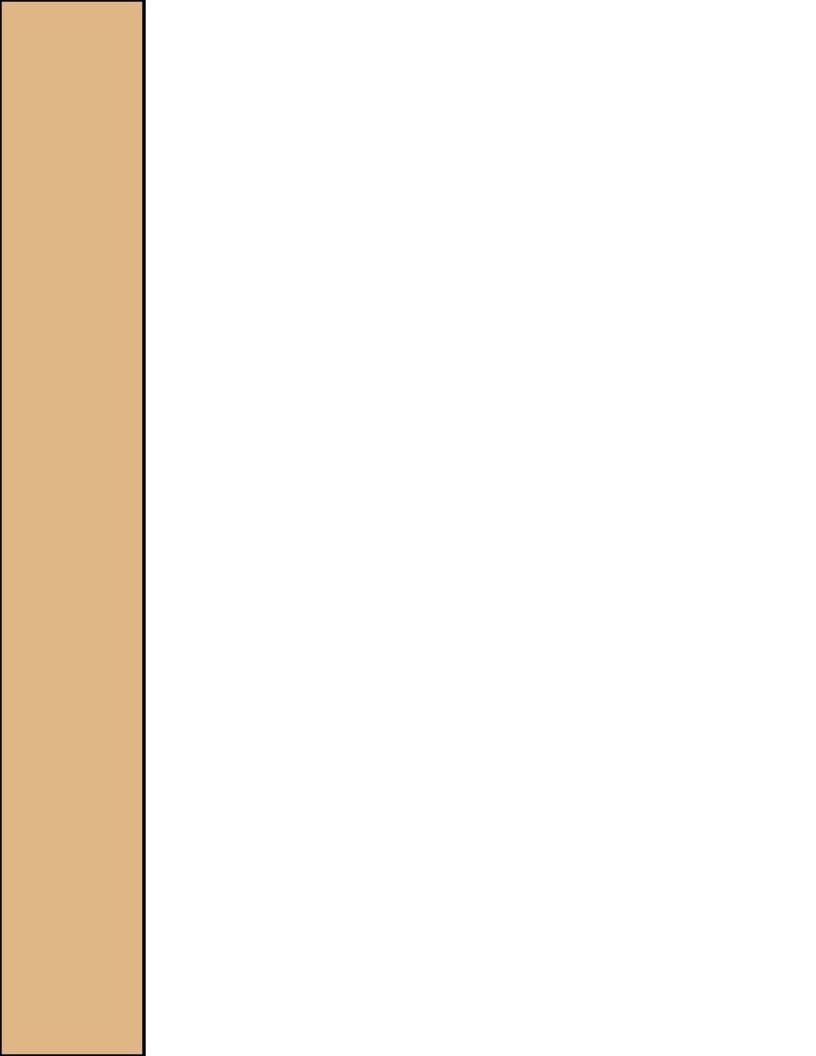
The committee decided that old growth could not be accurately identified using only a specific stand or tree age. Instead, they determined that a more accurate assessment of old growth on DNR lands would be based on four stand components: large live trees, snags, down dead trees, and diameter diversity. Stand age was not included as a component of the Index, because FRIS age data may not reflect the age of the oldest trees in the stand. Information generated using the Index has been field tested in the Klickitat area and DNR's Olympic, Pacific Cascade, and Northwest Regions, where it gave excellent results. An index score of 60 or above indicates a stand that has a high probability of being old growth; a score of 50 to 60 identifies a stand that has a lower likelihood of being old growth, and requires a secondary screening process to confirm the stand condition. All stands identified by the Index are considered potential old growth until their status is confirmed by a site visit. The index has identified 52,666 acres within the

forestland covered by the HCP that have a high likelihood of being old growth, and another 35,769 acres that have a lower likelihood of being old growth.

Adequate data on stand conditions did not exist to enable a definition of old growth to be developed for Eastern Washington. Such data will be collected in the next couple of years, so that an Eastside definition can be developed.

The report is available at:

http://www.dnr.wa.gov/htdocs/lm/oldgrowth/072105old_growth_rpt.pdf



NESTING ROOSTING FORAGING AND DISPERSAL/DESIRED FUTURE CONDITION MANAGEMENT

DNR is committed to providing habitat to help maintain nesting areas and facilitate movement of the northern spotted owl population through the landscape. To aid in this goal, Nesting, Roosting, and Foraging (NRF) and dispersal management areas have been designated. Through ongoing research, DNR is trying to develop a better understanding of what comprises functional owl habitat and to learn what silvicultural techniques create suitable owl habitat.

When the HCP was written, DNR-managed lands were assessed for their potential role in spotted owl conservation. Those lands identified as likely to provide demographic support and contribute to maintaining species distribution were designated as NRF management areas. NRF habitat is primarily high quality roosting and foraging habitat with enough nesting structure interspersed that the whole area can be utilized by reproducing owls. Lands identified as important for facilitating owl dispersal were designated as dispersal management areas. The conservation strategy calls for maintaining at least 50 percent (Westside by Watershed Administrative Unit (WAU); Eastside by WAU for NRF and quarter-township for dispersal) of both designated NRF and dispersal management areas in suitable habitat at any given time. Acceptable management activities depend on the amount of habitat in the WAU or quarter-township and the habitat type present in the potential harvest area, but generally harvest activities must retain a specified level of nesting structure and not increase the amount of time required to achieve habitat goals. To ensure that procedures are being followed and goals met, the types and amounts of silvicultural activities in both designated NRF and designated dispersal management areas are tracked.

In the Klickitat Planning Unit, forest health issues associated with overstocked stands of species more susceptible to drought and disease are degrading forests and some originally designated NRF lands are not capable of sustaining NRF habitat. This makes the original habitat goals difficult, if not impossible, to achieve. In April 2004, an amended spotted owl conservation strategy (HCP Amendment No. 1) was established to address the issues in the Klickitat Planning Unit. Field assessments, forest inventory data, and spotted owl demography data were used to create new habitat targets for the area. Four sub-landscapes within the planning unit were created, with habitat targets based on those sub-landscapes (rather than WAUs or quarter-townships). In addition, dispersal management areas in the Klickitat Planning Unit have been renamed Desired Future Condition (DFC) management areas. DFC lands have the same habitat commitments as dispersal lands, but are managed by vegetative series, with the goal of maintaining 50 percent of each vegetative series (by sub-landscape) in mature (60+ years old) DFC. The Ponderosa Pine vegetative series is managed as Ponderosa Pine Desired Future Conditions (PPDFC), which is expected to meet all DFC requirements except for canopy closure. PPDFC is not included in acreage calculations for DFC, since it cannot meet all requirements of DFC. However, DNR's goal is to maintain 50 percent of the ponderosa pine vegetative series in PPDFC by sub-landscape. Areas incapable of growing and sustaining habitat, and those better suited for a different habitat classification, have been reclassified. The results of these assessments and reclassifications are reflected in Table 2.1.

The Klickitat amendment also changed the boundaries of the Klickitat and Yakima Planning Units to include the portion north of the Yakama Nation's lands in the Yakima Planning Unit. Through this change, approximately 23,000 acres of dispersal management area were transferred to the Yakima planning unit (reflected in Table 2.1).

The 1997 acreages in Table 2.1 were determined when the HCP was written. To obtain the 1999 figures, DNR added or subtracted land acquisitions or disposals that had occurred between January 1997 and June 1999. In addition, ground-truthing of the designated habitat happened during this period, and any acres that were non-forested and not designated to provide habitat for spotted owls were subtracted from the 1997 figures. Beginning in June 2000, the acreage figures were determined by taking the figures from the prior fiscal year and adding or subtracting any land acquired or disposed in a given habitat type and planning unit. For instance, in fiscal year 2000, 31 acres of NRF habitat were acquired in the Klickitat planning unit.

DNR recently determined that this system of tracking NRF and dispersal/DFC acreages is not entirely accurate. The transactions reported do not account for non-forested lands within a parcel that also contains designated NRF or dispersal/DFC. For instance, if DNR acquires 620 acres in a NRF landscape, but 20 acres are non-forested and not designated to provide habitat for spotted owls, the transaction would be incorrectly reported as 620 acres of acquired NRF, instead of the 600 acres of NRF actually acquired.

DNR is working to remedy this problem by reconciling information in the transactions database with spatial data in DNR's corporate GIS data layer "owlmgmt". The GIS data layer accounts for acquisitions, disposals, retained parcels (trust land transfers), and lands not designated to play a role for spotted owls. It is expected that the reconciliation will occur in the next year and corrected numbers will be reported in the fiscal year 2006 HCP Annual Report.

Table 2.1. Comparison of acreage in designated NRF and dispersal/DFC management areas by

planning unit.

planning unit.	1						
Designated	Chelan	Columbia	Klickitat ¹	North	South	Yakima ¹	Total
Management Areas				Puget	Puget		Acres
NRF: Jan 1997	5,647	54,157	20,096	109,409	2,648	13,567	205,524
NRF: June 1999	5,848	53,192	20,943	111,203	2,648	13,567	207,401
NRF: June 2000	5,848	53,192	20,974	111,203	2,648	13,567	207,432
NRF: June 2001	5,851	53,192	20,974	111,363	2,648	13,567	207,595
NRF: June 2002	5,851	53,252	20,974	111,363	2,648	13,567	207,655
NRF: June 2003	5,851	53,252	21,089	111,195	2,453	13,567	207,407
NRF: June 2004	5,851	53,252	21,098	111,359	2,648	13,567	207,775
NRF: June 2005	5,851	53,252	40,427	111,359	2,648	13,567	227,104
Dispersal: Jan 1997	0	38,645	79,095	16,068	71,492	8,332	213,632
Dispersal: June 1999	0	35,234	79,095	15,344	75,302	8,332	213,307
Dispersal: June 2000	0	35,234	79,095	15,344	75,302	8,332	213,307
Dispersal: June 2001	0	35,234	79,095	15,344	75,302	8,332	213,307
Dispersal: June 2002	0	31,890	79,095	15,344	78,179	8,332	212,840
Dispersal: June 2003	0	31,890	79,095	15,344	78,179	8,332	212,840
Dispersal: June 2004	0	31,890	79,327	15,344	78,179	8,332	213,072
Dispersal/DFC: June	0	31,890	19,066	15,344	78,179	30,819	175,298
2005 ²							

¹NRF and dispersal/DFC acreages in the Klickitat and Yakima Planning Units were affected by HCP Amendment No. 1, as well as land transactions.

There are no designated NRF or dispersal management areas in the OESF, Straits, or South Coast HCP Planning Units.

Acreage measurements are rounded, so some numbers may not add up correctly.

²In the Klickitat Planning Unit, dispersal habitat has been redesignated as Desired Future Conditions (DFC).

Table 2.2. Silvicultural activities in designated Nesting, Roosting, and Foraging (NRF) management areas by planning unit.

	North South						FY2005	6 Year
	Chelan	Columbia	Klickitat	Puget	Puget	Yakima	Total	Mean
Total Designated NRF Acres	5,851	53,252	40,427	111,359	2,648	13,567	227,104	207,544
% of Total Designated NRF Acreage	2.6%	23.4%	17.8%	49.0%	1.2%	6.0%	100.0%	100.0%
-								
Timber Harvest								
Clear cut		15	350				365	451
Seed tree intermediate cut		8					8	25
Phase patch regeneration cut							0	1
Temporary retention first cut			74				74	0
Salvage cut			248				248	0
Smallwood thinning		256	40	91			387	34
Late rotation thinning				181			181	109
Variable density thinning		602		122			724	65
Selective product logging							0	28
Shelterwood removal cut							0	5
Two-aged management							0	1
Uneven-aged management							0	77
Timber Harvest Totals	0	881	712	394	0	0	1987	795
Forest Site Preparation								
Aerial herbicide				14			14	231
Ground herbicide							0	27
Ground mechanical			147				147	56
Forest Site Preparation Totals	0	0	147	14	0	0	161	314
Forest Regeneration								
Hand planting		8	993	22			1023	774
Natural regeneration		6					6	3
Forest Regeneration Totals	0	14	993	22	0	0	1029	777
Vegetation/Pest Management								
Aerial herbicide		484					484	417
Aerial insecticide							0	487
Ground herbicide			996	108			1104	289
Hand cutting (slashing)				478			478	626
Vegetation/Pest Mgmt. Totals	0	484	996	586	0	0	2066	1,820
Other					·			
Pre-commercial thinning			69	116		239	424	914
Forest fertilization							0	140
Other Totals	0	0	69	116	0	239	424	1,053
Grand Totals	0	1379	2917	1132	0	239	5667	4,758

^{*}These values are mean data for Fiscal Years 1999 through 2004

Source: Planning & Tracking Database

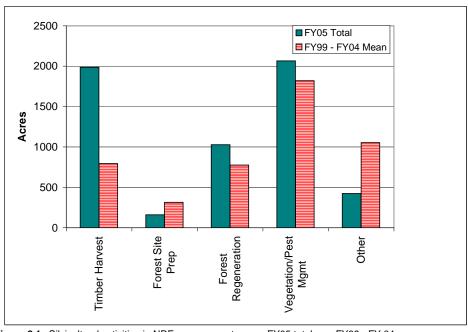


Figure 2.1. Silvicultural activities in NRF management areas: FY05 totals vs. FY99 - FY 04 means.

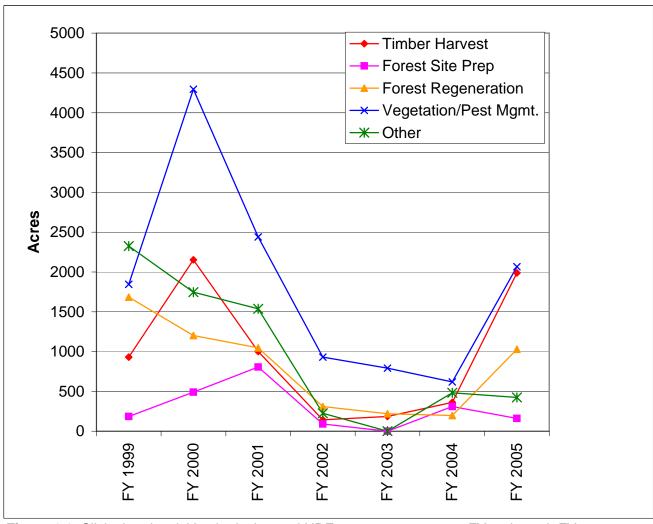


Figure 2.2. Silvicultural activities in designated NRF management areas: FY99 through FY05.

Table 2.3. Silvicultural activities in designated dispersal/DFC management areas by planning unit.

	Columbia	Klickitat	North Puget	South Puget	Yakima	FY2005 Total	6 Year MEAN
Total Designated Dispersal/DFC Acres	31,890						213,112
% of Total Designated Dispersal/DFC Acreage	18.2%	10.9%	8.8%		17.6%	100.0%	100.0%
				Acres			
Timber Harvest							
Clear cut		90	100	516		706	610
Shelterwood intermediate cut						0	63
Temporary retention 1st cut		14				14	0
Salvage cut					451	451	115
Smallwood thinning		78				78	310
Late rotation thinning						0	302
Variable density thinning				721		721	27
Selective product logging						0	51
Shelterwood removal cut						0	56
Uneven-aged management					662	662	420
Timber Harvest Totals	0	182	100	1,237	1,113	2,632	1,954
Forest Site Preparation		•	-	•	•		
Aerial herbicide						0	111
Ground herbicide						0	82
Ground mechanical					482	482	97
Hand cutting (slashing)						0	40
Pile and burn						0	22
Forest Site Preparation Totals	0	0	0	0	482	482	351
Forest Regeneration							
Hand planting		256		713	677	1,646	971
Natural regeneration					496	496	0
Forest Regeneration Totals	0	256	0	713	1,173	2,142	971
Vegetation/Pest Management			•	•			
Aerial herbicide	150		24			174	272
Aerial insecticide						0	78
Ground herbicide		229				229	260
Hand cutting (slashing)	19		225	654		898	468
Vegetation/Pest Mgmt. Totals	169	229	249	654	0	1,301	1,076
Other		•					
Pre-commercial thinning		698		1,152	324	2,174	816
Forest fertilization				, -		, 0	1
Other Totals	0	698	0	1,152	324	2,174	817
Grand Totals	169	1,365	349	3,756	3,092	8,731	5,169
*Those values are mean data for Fiscal Veers 1000 t			343	3,730		0,731	

*These values are mean data for Fiscal Years 1999 through 2003



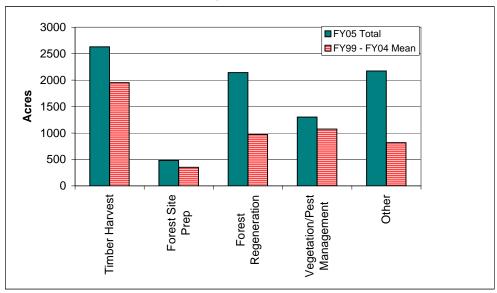


Figure 2.3. Silviculture activities in designated dispersal/DFC management areas: FY05 totals vs. FY99 - FY04 means.

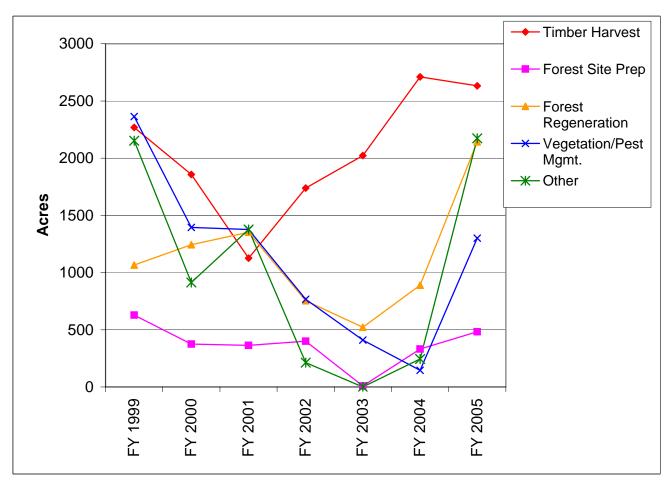
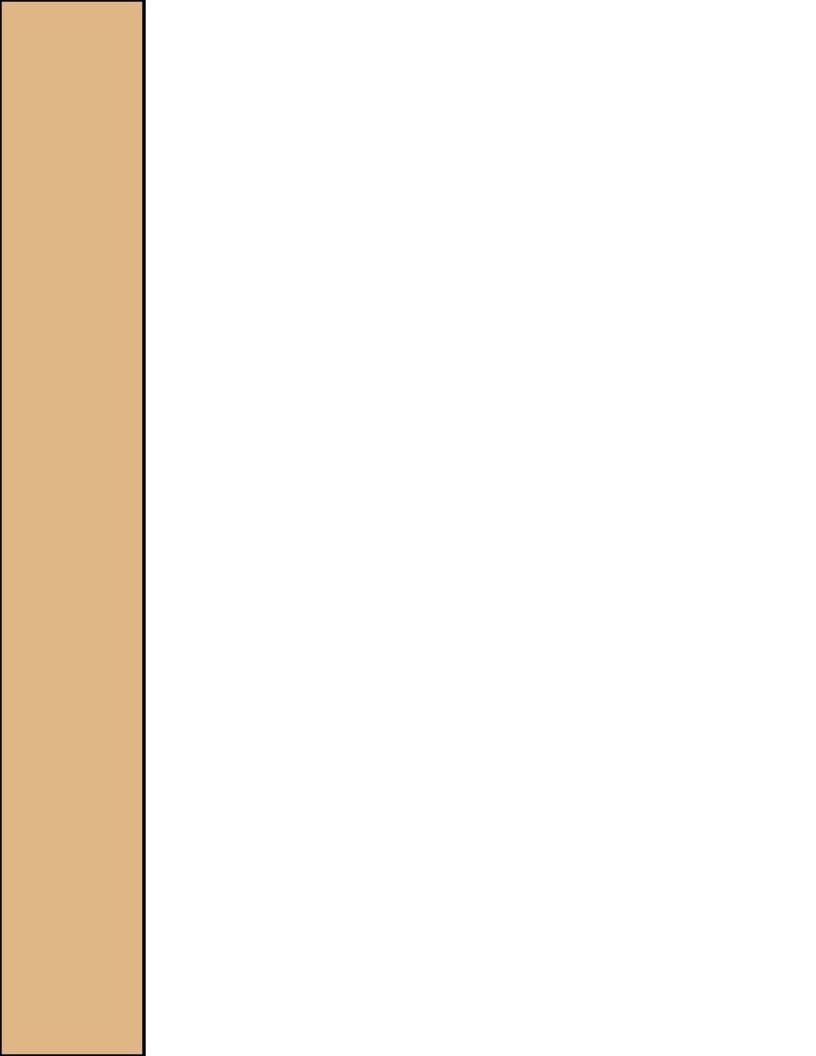


Figure 2.4. Silvicultural activities in designated dispersal/DFC management areas: FY99 through FY05.

Annual HCP Report to t	the Services -	- FY 2005
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SILVICULTURAL MANAGEMENT ACTIVITIES

Silviculture can be defined as the art and science of cultivating forests to deliberately attain desired conditions. The silvicultural data for this report comes from DNR's Forest Management Planning and Tracking (P&T) database, which is a program to input and track forest management activity data. This includes information on timber harvests, forest site preparation, forest (seedling) regeneration, vegetation management, pest management, and other activities. These data can be queried by date, HCP planning unit, habitat type, or other criteria to garner information for this and other reports. Each year, the HCP Annual Report includes data for all activities reported as complete in P&T in a given fiscal year.

TRENDS

Trends in silvicultural data may be difficult to interpret for a variety of reasons. Proper management regimes vary with site conditions, but economic factors also dictate what can be done. Ecological constraints, including such things as unstable slopes and critical habitat, may dictate which activities are practiced in a given location. In addition, budget allocations and constraints as well as market conditions influence the timing and amount of silvicultural activities that can be carried out. Timber stands may be sold in one year, but not harvested until as much as five years later. Since this report covers only completed activities, there may be a lag time between changing economic or environmental conditions and changes in reported activities.

Purchasers' timber removals are driven by two main factors: contract length and market conditions. Contract length may be as long as five years, but the average length has been shortened from about 36 months in 1991 to approximately 18 months today. The shortening of contract lengths is due to a strengthening market, which reduces the need to allow purchasers a longer contract period to account for market uncertainty. The impact due to market conditions can best be characterized by DNR's 2005 economic and revenue forecast¹, which offers some explanation for FY 2005's timber harvest numbers: "Timber removals over the past fiscal year were very strong due to a combination of healthy markets and favorable weather conditions. Harvesters took advantage of high prices by accelerating removals, resulting in FY 2005 removals of 696 MMbf, the highest level since FY 1990." (p. 7). In fact, comparing timber harvest numbers from FY 2005 to previous fiscal years shows that harvests were at their highest level (since tracking began) in almost every harvest category (Fig 3.2). Similar trends exist for forest site preparation and forest regeneration (Fig 3.2). This could be related to the increase in timber harvest, as DNR has requirements to replant harvested stands. This regeneration is completed as soon as possible following harvest to achieve the highest long-term potential revenue for the trusts.

DEFINITIONS

Commercial Timber Harvest Types

DNR has a number of different types of timber harvests that may be employed on state trust lands, depending on environmental and economic factors; many of these harvest types have been employed on state forested trust lands since HCP annual reporting

Washington State Department of Natural Resources

¹ Department of Natural Resources. 2005. September 2005 Economic and Revenue Forecast: Fiscal Year 2006 – First Quarter. Author, Olympia, WA. 29pp.

began (Tables 2.2, 2.3, and 3.1). Some can be used frequently across landscapes, while others are appropriate only in limited locations given a certain set of conditions. The following definitions describe, in general terms, harvest types that may occur in both HCP and non-HCP landscapes. In addition to trees required for retention as part of the harvest type, state Forest Practices Rules (WAC 222), HCP commitments and other department policies may require additional trees be retained to protect other important landscape features or habitats such as riparian management zones, large, structurally unique trees, and unstable slopes.

The harvest type definitions are grouped according to two general classifications: (1) regeneration harvest types where there is an objective to regenerate a significant evenaged cohort (e.g., clearcuts, seed tree and shelterwood cuts), and (2) individual tree selection harvest types that describe a spectrum of harvest activities (e.g., traditional commercial thinnings, variable density thinnings, and perpetual thinning where there is never a regeneration harvest).

Cohort is a term used to describe forest stand components that are statistically distinct. Generally, cohorts are identified when Forest Management Unit (FMU) objectives require them to be managed separately from other stand cohorts. For example, cohorts such as live wildlife reserve trees, snags, and large woody debris (LWD) are statistically distinct because statutes, regulations, and DNR's trust land HCP require their management and retention beyond a single rotation.

Regeneration Harvest Types (with planting or natural regeneration)

Clear cut (Variable Retention Harvest)

A timber harvest that removes the stand of trees while retaining or reserving live trees, snags and down wood for habitat and other values. These reserve trees may be in small scattered clumps or dispersed individually throughout portions or all of the stand.

Seed Tree Intermediate Cut

The first timber harvest in a sequence conducted as part of the even-aged seed tree silvicultural system. The purpose is to provide a desirable seed source to establish seedlings. Up to 10 trees per acre may be left following this harvest.

Shelterwood Intermediate Cut

The first timber harvest in a sequence conducted as part of the even-age shelterwood system. The purpose is to provide shelter (typically shade) and possibly a seed source for the seedlings that are regenerating the stand. Up to 20 trees per acre may be left following this harvest, generally disbursed across the stand.

Phased Patch Regeneration Cut

An even-age timber harvest method using small patch cuts (1 to 5 acres) to progressively harvest and regenerate a single stand over a period of up to 15 years. Several separate patches are harvested at a single point in time within a forest management unit (FMU). After an adequate green-up period (5-10 years), additional patches are harvested and the process repeated until the FMU is entirely harvested.

Temporary Retention First Cut

A partial cut timber harvest where selected overstory trees are left for a portion of the next rotation. Shelterwood and seed tree harvests are traditional examples with

relatively short retention periods. Habitat objectives increase the length of retention periods up to the time of pre-commercial or smallwood thinnings. The purpose of this harvest method is to retain overstory trees without diminishing establishment of a new stand. Two-aged stands can be an outcome when some level of overstory is left through the entire rotation.

Salvage Cut (may or may not be a Regeneration Harvest)

Logging of trees that are dead, dying or deteriorating due to fire, insect damage, wind, disease or injuries.

Individual Tree Selection Harvest Types

Smallwood Thinning

A partial cut timber harvest in young stands (typically less than 40 years of age). Smallwood thinning maintains or enhances the stand's growth potential, and improves the quality of the residual stand.

Late Rotation Thinning (Older Stand Thinning)

A partial cut timber harvest that extends the rotation age of a stand to more than 80 years of age, or achieves a visual or habitat objective that requires larger trees. Stands eligible for "late" thinning are typically ages 45-70 years and have expressed diverse size classes.

Variable Density Thinning

Thinning to create a mosaic of different stand densities on a scale of approximately 1/4 to 1 acre that capitalizes on landforms and stand features. Variable density thinnings encourage development of structural diversity in areas where owl habitat is needed or to meet other objectives defined in individual forest management unit silvicultural prescriptions.

Selective Product Logging

A timber harvest that removes only certain species above a certain size which are of high value. This is typically a pole/cabin log sale or an individual high value tree removal.

Shelterwood Removal Cut

The second or final harvest in a series conducted as part of the even-aged shelterwood system. The purpose is to remove overstory trees that create shade levels that are too high for the new understory to thrive under.

Two Age Management – Westside

An even-age harvest method that is essentially the same as a temporary retention except that the overstory trees are not planned for removal until the time of the planned rotation for the younger component of the stand.

Uneven-Aged Management – Ponderosa Pine Selection System

A timber harvest conducted as one step in a silvicultural system with the objective to create or maintain a forest stand in a condition with three or more age cohorts. Cohorts are typically 20 years or more apart in age. Uneven-age management is normally achievable only on dry Ponderosa pine sites.

Site Preparation

Site preparation is defined as hand or mechanized manipulation of a site, most often following logging, which is designed to enhance the success of regeneration by creating microsite conditions conducive to the establishment and growth of desired species. The following are definitions for the types of site preparation used on DNR lands.

Aerial Herbicide

Helicopter application of herbicides to achieve site preparation objectives.

Ground Herbicide

Ground-based application of herbicides to achieve site preparation objectives.

Ground Mechanical

Use of mechanized equipment to achieve site preparation objectives.

Hand-cutting

Use of hand equipment to cut stems of existing vegetation to achieve site preparation objectives.

Pile and Burn

Piling of logging slash, generally using mechanized equipment, followed by burning of these piles. This is often done as part of a logging operation.

Broadcast Burn

Prescribed fire allowed to burn over a designated area to achieve site preparation objectives.

Regeneration

The act of renewing tree cover by establishing young trees naturally or artificially is called regeneration. DNR uses two techniques to regenerate stands.

Hand Planting

Planting seedlings of various species (or species mixes) by hand.

Natural Regeneration

Allowing naturally produced seedlings to regenerate a site; accomplishment of this objective is generally assessed by a thorough regeneration survey of the stand.

Vegetation Management

Vegetation management consists of Intermediate management treatments or entries following regeneration in a stand. These treatments are designed to encourage the success of certain species by reducing competition from less desirable species. DNR undertakes several vegetation management treatments on state trust lands.

Aerial Herbicide

Helicopter application of herbicides to achieve vegetation management objectives.

Ground Herbicide

Ground-based application of herbicides to achieve vegetation management objectives.

Hand-cutting

Use of hand equipment to cut stems of existing vegetation to achieve vegetation management objectives.

Broadcast Burn

Prescribed fire allowed to burn over a designated area to achieve vegetation management objectives.

Seeding Grass

Broadcast seeding of annual grass species to occupy newly prepared sites in place of noxious weeds. Generally used east of the Cascade crest.

Pest Management

Pest management treatments are aimed at maintaining pest populations within acceptable levels of risk of damage to forest stands. DNR has used several pest management techniques, though most are not commonly utilized.

Animal Repellant

Chemicals or other products applied to discourage animals from damaging seedlings in a plantation.

Animal Trapping

Trapping animals to remove them from the area they are damaging.

Shielding or Fencing

Use of a physical barrier to prevent animal damage.

Aerial Pesticide

Aerial application of an insecticide, herbicide or other chemical pesticide, such as using BT to treat spruce budworm infestations.

Other

DNR also employs several silvicultural management techniques that do not fit in any of the above categories. These techniques are defined below.

Pre-commercial Thinning

Removal of some trees in a stand, not for immediate financial gain, but rather to reduce stocking to concentrate growth on more desirable trees.

Forest Fertilization

Ground or aerial-based fertilization of forest stands using chemical fertilizers or biosolids to enhance growth.

Tree Pruning

Removal of branches to enhance the wood quality in an existing tree's stem. The branches may also be removed as a separate forest product of value.

Table 3.1. Silvicultural management activities on state forested trust lands by planning unit.

Table 3.1. Silvicultural manag	gement activities on state forested trust lands by planning unit. Acres of Management Activity										
		North South South South Fyos Total 6 Year									
	Chelan	Columbia	Klickitat	Puget	OESF	Coast	Puget	Straits	Yakima	1 105 Total	MEAN*
Timber Harvest Type		ı	Г		1		ı		ı		
Clear cut		1,578	659	4,866	10	3,257	1,576	1,654		13,600	9,959
Seed tree intermediate cut		8							174	182	129
Shelterwood intermediate cut				40		93	36		246	415	334
Phased patch regeneration cut						13	58			71	7
Temporary retention first cut			88							88	62
Salvage cut			273	155		65	30		937	1,460	309
Smallwood thinning		769	118	91	67	974				2,019	2,607
Late rotation thinning		935		495	160	680	392		563	3,225	1,720
Variable density thinning		603		122		61	756			1,542	93
Selective product logging		272				201	73			546	791
Shelterwood removal										0	13
Two-aged management										0	105
Uneven-aged management			4						1,000	1,004	1,483
Timber Harvest Totals	0	4,165	1,142	5,769	237	5,344	2,921	1,654	2,920	24,152	17,612
Forest Site Preparation											
Aerial herbicide		915		1,949		163	48			3,075	1,492
Ground herbicide		72		90		183		86		431	360
Ground mechanical		25	148						873	1,046	429
Hand cutting										0	40
Pile and burn/broadcast burn		64				242		18		324	222
Site Prep. Totals	0	1,076	148	2,039	0	588	48	104	873	4,876	2,542
Forest Regeneration											
Hand planting		1,864	1,262	3,547	409	3,679	1,465	1,909	1,150	15,285	12,940
Natural regeneration		112		66			128	89	542	937	131
Forest Regeneration Totals	0	1,976	1,262	3,613	409	3,679	1,593	1,998	1,692	16,222	13,071
Vegetation Management											
Aerial herbicide		1,466		629		523				2,618	2,897
Ground herbicide		576	1,400	1,346	99	1,070	331	1,006		5,828	3,475
Hand cutting		1,568		3,278		2,206	1,218	281		8,551	9,330
Seeding grass										0	65
Underburn										0	7
Vegetation Mgmt. Totals	0	3,610	1,400	5,253	99	3,799	1,549	1,287	0	16,997	15,774
Pest Management											
Animal repellant										0	19
Animal trapping										0	40
Shielding or fencing										0	130
Aerial pesticide										0	603
Pest Mgmt. Totals	0	0	0	0	0	0	0	0	0	0	760
Other											
Pre-commercial thinning		3,186	767	589	5,652	1,465	1,508	2,173	2,233	17,573	11,072
Forest fertilization										0	2,206
Tree pruning					1					1	37
Other Totals	0	3,186	767	589	5,653	1,465	1,508	2,173	2,233	17,574	13,315
Grand Totals	0	14,013	4,719	17,263	6,398	14,875	7,619	7,216	7,718	79,821	63,074

^{*}These values are mean data for fiscal years 1999 through 2004.

Source: Planning & Tracking Database

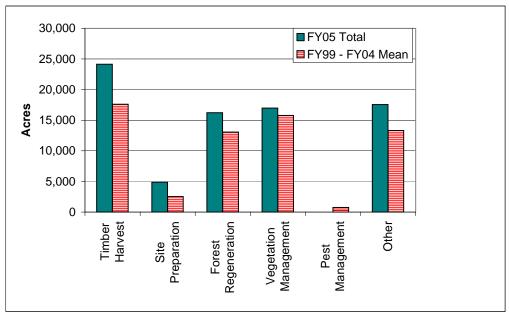


Figure 3.1. Silvicultural activities in HCP planning units: FY05 totals vs. FY99 - FY04 means.

<u>Timber Harvest</u> includes clear cut, thinning, uneven-aged management, salvage cut and others.

Site Preparation includes herbicide application, ground mechanical, hand cutting and pile and burn.

Forest Regeneration includes hand planting and natural regeneration.

Vegetation Management includes herbicide application, hand cutting, seeding grass, and underburn.

Pest Management includes animal repellants, pesticide application, trapping and fencing.

Other includes pre-commercial thinning, fertilization and pruning.

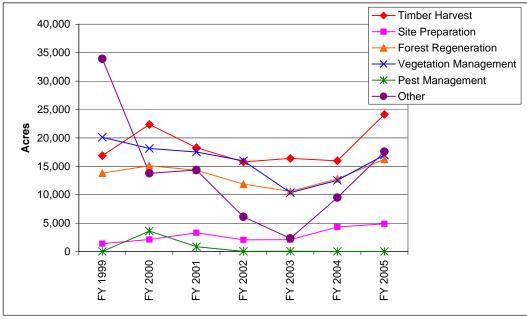
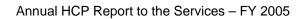
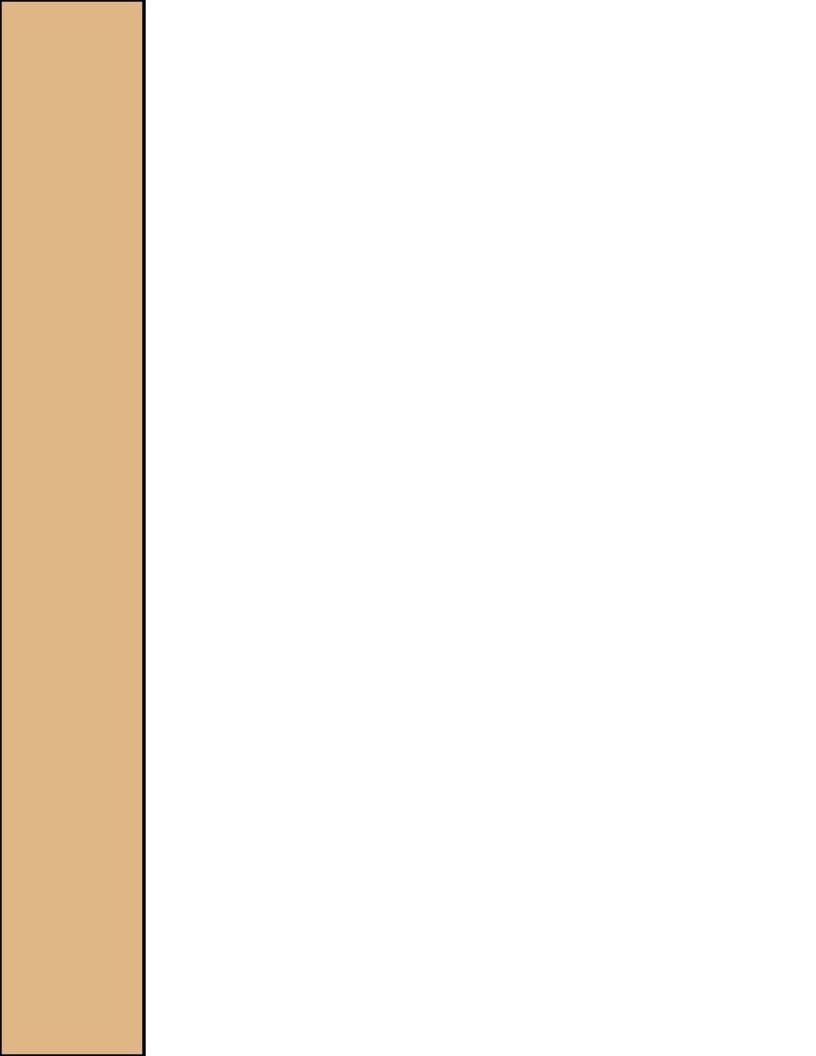


Figure 3.2. Silvicultural activities in HCP planning units: FY99 through FY05.





NON-TIMBER ACTIVITIES

Numerous non-timber management activities take place on DNR-managed forested state trust lands. The following graphs and tables show levels of the activities (numbers of sites/permits/leases and acres impacted) that DNR agreed to report on when the HCP was signed with the Services.

The HCP describes levels or amounts of non-timber activities that existed on HCP lands during the 1996 base year. At these 1996 levels, no or *de minimis* (insignificant) take (impacts to covered species) occurred. Any new or renewed contracts, permits, or leases for such activities cannot increase the level of take beyond this *de minimis* level; DNR must monitor the level of such activities and report them to the Services annually. However, some of the baseline non-timber numbers cited in the HCP are incorrect, as they included activities on all state lands, rather than just areas covered by the HCP. To derive accurate 1996 baseline figures, the numbers reported in the HCP were revised to include only activities that occurred on HCP lands. This revision was made and the corrected numbers were reported in DNR's first HCP Annual Report¹.

DNR is continually working to improve its methods of tracking and reporting on non-timber activities. As DNR's systems improve, and we are able to collect more accurate data, there may be changes in reporting methods or corrections to our data. This year, as in past years, numbers for activities (e.g. number of permits to gather Christmas greens; acres of oil leases) were determined by printing reports from DNR's Asset Performance System (APS). APS reports were run using the categories of agreement types (grazing, communication site, etc.). The reports detailed the number of acres and leases or permits in a given county. Numbers from counties covered by the HCP were then added up to determine totals for the fiscal year. Utility rights-of-way were calculated somewhat differently than other activities, in that only new easements for FY 2005 (not the total number active in that period) were reported.

The following are details for the categories of non-timber activities covered in this report, with explanations for trends or noticeable differences in the numbers where possible. In some cases, such differences may be due to improvements in DNR's methods for identifying and tracking the data.

Utility Rights-of-Way

Right-of-way easements are granted to private individuals or entities for roads, powerlines, and pipelines. These easements can be granted when they will enhance trust assets and any detrimental effects can be offset or minimized.

Unlike other categories of non-timber activities, utility rights-of-way are not reported on a cumulative basis. The annual report shows only the new permits issued during a given fiscal year, not all easements that are active during that reporting period. DNR has not had a system to tally total utility rights-of-way, primarily because many were granted in the early 1900's and hand-entered on records now in archives. DNR is currently working on a new system that would incorporate all existing data and give us an accurate total. Completion of the system's basic structure is anticipated by mid-2006.

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¹ Washington State Department of Natural Resources. 1998. Habitat Conservation Plan Annual Report with Data & Documentation: January 30, 1997 – June 30, 1998. Author, Olympia, WA.

Right-of-way easements are detailed in two tables. Table 4.1 reports on the total number of new easements, but the acreage and mileage figures are only for easements that create a new "footprint", indicating that timber was cut and/or a new right-of-way was created. Table 4.2 reports on the acreage and mileage of all utility easements granted in the reporting period, whether they created a new footprint or not.

Special Forest Products

Special forest products are items such as Christmas greens, medicinal plants, and western greens (typically used by florists). DNR policy is to promote the sale of special forest products where doing so will benefit the trusts and not cause significant damage to the environment. Permits are selectively granted to prevent habitat degradation.

Valuable Materials Sales

Rock, sand and gravel (valuable material) sales are handled under special sale contracts. Most active commercial pits are not in forested areas. Generally, the few commercial contracts on forested trust lands are small sales from pits that are primarily used by DNR for road management.

The number of silvicultural pits and inactive commercial pits was not tracked until fiscal year (FY) 2003, when DNR began attempting to inventory all such pits. A revitalized initiative to complete the pit inventory is underway with an anticipated completion by the end of 2006.

Early on in the implementation of the HCP, DNR had a substantial number of rock, sand, and gravel sales, but currently there are none. This is primarily due to three factors: (1) the lengthy contract development process; (2) requirements for large sales to be approved by the Board of Natural Resources; and (3) periodic charges to keep contracts alive regardless of whether or not there are removals. Most rock, sand, and gravel sales are now going to private pits, which have fewer time and procedural restraints. This year, there was only one rock, sand, and gravel sale, which was handled as a direct sale. Direct sales are one-time agreements that remove only small amounts of the resource (a maximum of \$20,000 in value). Other (non-direct) sales are active for longer periods of time and/or have larger maximum removal value limits.

Oil and Gas Leases

Oil and gas exploration leases simply allow a leaseholder to explore for underground deposits. The lessee has the sole and exclusive right to explore for, drill, extract, or remove oil and gas. Any proposed on-the-ground activities must undergo the SEPA review process and have an approved Plan of Operations. If the lessees want to actively drill or thump (measuring seismological tremors caused by the dropping of large weights or detonation of explosives), they must obtain an active lease. Regulations exist to protect water and air quality during active leases, and any exploration holes must be plugged following use. There has been only one active oil and gas lease on HCP lands (in 1996), and the well has since been abandoned and plugged.

The large increase in the number of exploration leases in this reporting period relates to the fact that DNR recently auctioned off the right to explore for oil and gas on 600 parcels of state trust lands. A small fraction (23) of these were within the area covered by the HCP.

Prospecting Leases and Mining Contracts

Like oil and gas leases, prospecting and mining leases are simply exploration agreements that allow searching for mineral deposits. A lease is converted to a contract if the lessee wants to commence active mining operations that could alter habitat, even if they do not result in extraction. There were no active mining operations (meaning activities that actually extract minerals) on HCP lands in 1996 and there were still none in FY 2005.

The number (and acreage) of these activities increased this reporting period, primarily because the Attorney General's office signed an updated version of the Mineral Prospecting Lease and the Mining Contract. This allowed DNR to issue leases that had been delayed until the new lease was approved. Once approval was acquired, DNR issued the leases that had been backlogged.

Grazing Permits/Leases

Most grazing on DNR-managed lands takes place on non-forested state trust lands. However, grazing is selectively allowed in forests guided by the HCP. In the past, grazing permits and leases have been reported for all trust lands – including, e.g., open grasslands - within the range of the HCP. However, grazing taking place on forested trust lands is the primary area of concern. For this reason, Westside grazing permits and acreage have been further broken down into forested grazing and non-forested grazing. The Westside forested acres have not been grazed since well before the HCP was implemented. However, forested grazing is listed as the authorized use for these acres in their leases.

Communication Site Leases

Communication site leases allow private and public entities to attach communication equipment to towers (e.g. cell phone towers). These sites are typically on non-forested mountaintops or along second-growth highway corridors. These sites are typically less than an acre in size and have minimal impacts on wildlife. The road system used to access them is the same one used to access forest management activities, and subject to the same management practices.

Recreation Sites

These sites allow public recreation on state forested trust lands as long as it is compatible with state laws and the objectives of the Forest Resource Plan and HCP. A variety of sanctioned recreational activity takes place on DNR land – mostly disbursed across the landscape - including hiking, biking, horseback riding, off-road vehicle use, and camping. The number of sites and acreage reported are only for DNR-sanctioned trails, camping, and picnicking areas.

Special Use Leases

Special use leases are issued for a wide variety of commercial and other uses primarily on rural trust lands, although they can be on resource or urban lands. "Miscellaneous" is often the best descriptor of these leases. Some examples of uses include: golf courses, small commercial businesses/buildings, commercial recreation facilities, colleges, take off or landing sites for paragliding, governmental and/or public use facilities, and stockpile sites. Special use leases do not cover major urban commercial uses, aquatic land uses, or any of the other categories reported in the following tables and described

above. Often, but not always, these leases are for "interim uses," and, as such, contain language that allows for termination should the department wish to take advantage of a "higher and better use" for the land.

Table 4.1. Evaluation of potential non-timber impacts vs. 1996 baseline levels.

Table 4.1. Evaluation of pote	1996 Base	•	FY 2005		6 Year M	EΛN*
	Number of	ı caı	Number of	lotai	Number of	LAN
	Leases/Permits/Rights	Acres	Leases/Permits/Rights	Acres	Leases/Permits/Right	Acres
	of Way/Sites	710100	of Way/Sites	710100	s of Way/Sites	710.00
The following represents	s the number ar	nd acres o	of new rights-o	f-way issu	ed during the	reporting
	iod (not all thos					
pei	iou (not an thos	4 ac. (3.3		11.52 ac		1
Utility Rights-of-Way	9			(.47 miles)	4.8	18.17 ad
Othity Rights-of-way	9	iiiles)	3	(.47 IIIIles)	4.0	10.17 at
The following represent	the total numbe	r and acr	es of activity in	force du	ring the reporti	ng period
Special Forest Braduate					I	
Special Forest Products Western Greens	360	135,000	380	128,000	327	107,888
Christmas Greens	14	5,000	6			6,900
Christmas Trees	8	409	8	300	8	365
Misc. (Medicinal, cone and	0	403		300		300
transplant)	20		12		13	
Specialized Forest Products	20		12		13	
Totals	402	140,409	406	134,300	367	113,947
	402	140,403	400	134,300	307	113,94
Valuable Materials						
Silvicultural Pits		h.//		C	/ 25**	0.4==
Active Silvicultural Pits	N/A	N/A	165	317	165**	317**
Inactive Silvicultural Pits	N/A	N/A	230	216	230**	216**
Abandoned Silvicultural Pits	N/A	N/A	55	56	55**	56*
Total Silvicultural Rock, Sand						
& Gravel Pits (No Commercial	000	407	450	500	450**	500*
Sales)	332	487	450	589	450**	589*
Commercial Pits	N1/A	N1/0	_	104	40	100
Active Commercial Pits	N/A	N/A	7 2	101	10	
Inactive Commercial Pits Total Commercial Rock, Sand	N/A	N/A		66	2**	66*
,	00	204	9	407	0**	407**
& Gravel Pits	28	281	459	167 75 6	9** 459**	167**
Sand & Gravel Pits Totals Rock, Sand, Gravel Sales	360	768 222	459	/56	459***	756*1 66
Rock, Sand, Gravel Direct		222	0	U		00
Sales	25	50	1		8	13
Valuable Materials Sales	25	50		U	0	10
Totals	42	272	1		13	79
Prospecting Leases/Mining	42	212			- 13	
Contracts						
Leases	4	360	7	540	1	162
Contracts	15	3,650	9		. 8	
Prospecting Leases/Mining	13	3,030	<u>J</u>	1,040		1,502
Contracts Totals	19	4,010	16	2,485	10	1,663
Oil and Gas Leases		4,010		2,400		1,000
Exploration Leases	43	13,196	174	109,709	107	47,008
Active Leases	1	10,100	0		0	(
Active Oil and Gas Leases			-	_	-	
Totals	1		0		0	
Grazing Permits/Leases	-1		-	l .	-	I.
Eastside	25	105,980	25	105,980	25	105,980
Westside - Forested***	N/A	N/A	3	25	N/A	N/A
Westside - Non-forested***	N/A	N/A	15	927	N/A	N/A
Westside - Total***	15	1,074	18	952	11	640
Grazing Permits/Leases		,-				
Totals	40	107,054	43	106,932	36	106,620
· oturo		,	40			
Communications Site Leases						
Number Sites	56		62		61	
Number Leases	288		315		304	
Recreation Sites Totals	119	2,456	126	2,252	126	2,199
Special Use Leases Totals	90	5,792	92	5,834	92	5,86

^{*}These values are mean data from Fiscal Years 1999 through 2004.

The level of activity for non-timber activities that was present in 1996 (1996 Base Year) is considered to be a *de minimis* level of activity, meaning no take or insignificant take is occurring.

^{**}These values are totals from FY03-FY04, not means, because data were not available in previous fiscal years.

^{***} This is the first year of tracking Westside forested grazing separately from non-forested grazing (the distinction cannot be made in E WA). Since this was not done in previous years, no such data is available for prior reporting periods.

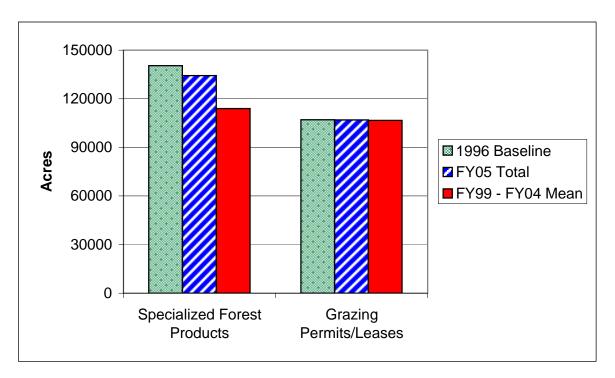


Figure 4.1. Acreage comparison for specialized forest products and grazing permits/leases: 1996 baseline vs. FY05 totals vs. FY99 - FY04 means.

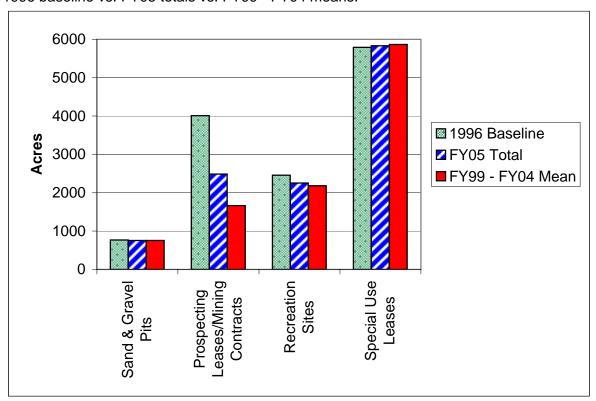


Figure 4.2. Acreage comparison for sand & gravel pits; prospecting leases/mining contracts; recreational sites; and special use leases: 1996 baseline vs. FY05 totals vs. FY99 - FY04 means.

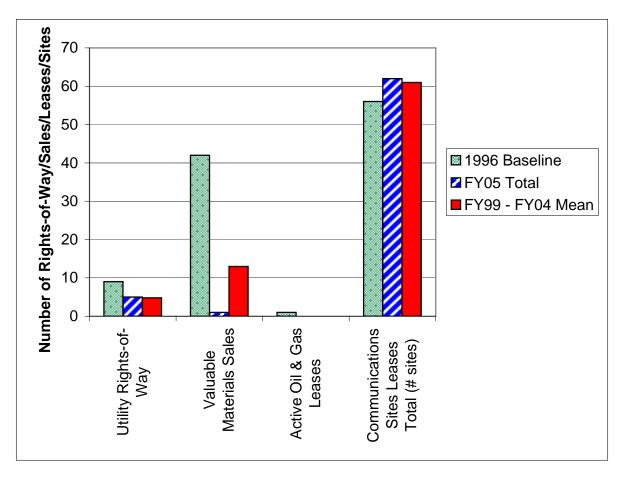


Figure 4.3. Comparison of numbers of utility rights-of-way; valuable material sales; active oil & gas leases; and communication sites: 1996 baseline vs. FY05 totals vs. FY99 - FY04 means.

Table 4.2. New utility right-of-way easements granted in FY 2005.

Planning Unit	Length of Easement Area (Miles)	Area of Easement (Acres)	Total Number of Utility Easements Granted
Chelan*	0.47	11.52	1
North Puget	1.76	3.20	1
OESF	0.83	1	1
South Coast	0.11	0.04	1
South Puget	1.06	1.93	1
TOTALS:	4.23	17.69	5

^{*}This activity created a new "footprint"

No easements were granted in FY 2005 in the Columbia, Klickitat, Yakima, or Straits Planning Units.

RECREATION/PUBLIC USE ACTIVITIES

In 2004, DNR's Public Use section began implementing Region Public Use Inventory and Assessments (RIAs), which are used to inventory developed and dispersed recreation and public use (both sanctioned and unsanctioned). The process also identifies planning and management priorities and options for those areas. These plans will be updated each biennium as part of the budget process. Unlike most Annual Report topics, RIAs are completed for DNR regions, rather than by HCP planning units; data for any recreation areas outside of the HCP are not included in this report. Drafts of the initial RIAs for Northwest, Olympic, Pacific Cascade, and South Puget Sound Regions were available in 2004; the Southeast Region draft was created in 2005. No draft exists for Northeast Region.

The RIAs provide baseline information and support for recreation program management strategies, planning decisions, and funding requests. They also will help DNR to implement our Public Use Policy and establish consistent planning for statewide recreation. Each assessment provides an opportunity to discuss pressing issues and possible changes with a variety of interest groups, increasing public involvement in the process. Finally, they will provide information to assist in the design of management plans that advocate for natural environments and protect state trust lands and natural areas consistent with established mandates.

This report covers two aspects of public use reporting: trails (Table 4.3/Fig. 4.4) and picnic/camp sites (Table 4.4/Fig. 4.5). Sanctioned trails are reported on according to the type or types of authorized use. Sanctioned campsites are broken out by type (general use, host, or Americans with Disabilities Act (ADA) compliant). As the assessments get updated, this information will also be updated.

Table 4.3. Sanctioned recreation trails on forested state trust lands in fiscal year 2005.

		Re	gion Total	s (Miles)		
Type of Use	Northwest	Olympic	Pacific Cascade	South Puget Sound	Southeast*	Statewide Totals
Non-motorized						
Horse/hike/bike	3	0	116.5	16.75	26	162.25
Horse/hike	0	0	1	66	0	67
Hike/bike	0	3	0	0	0	3
Hike	58.75	2	9.25	51	1	122
ADA	0	0	0	4.2	0	4.2
Ski Trails (on existing forest						
management roads)	0	0	0	100	0	100
Non-motorized Totals (miles)	61.75	5	126.75	237.95	27	458.45
Multi-use: motorized/non- motorized						
Multiple use (no 4x4)	0	26	63	164.75	23	276.75
4x4 and multiple use	36	0	18	34	0	88
Multi-use Totals (miles)	36	26	81	198.75	23	364.75
Trail Totals (miles)	97.75	31	207.75	436.7	50	823.2

^{*}Southeast Region data is only for areas covered by the HCP

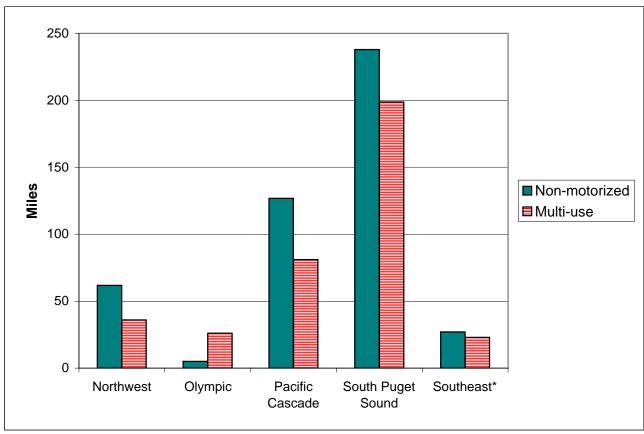


Figure 4.4. Total sanctioned non-motorized and multi-use trail miles by region.

Table 4.4. Sanctioned camp and picnic sites on forested state trust lands in fiscal year 2005.

			Region To	tals		
			Pacific	South Puget		
Type of Site	Northwest	Olympic	Cascade	Sound	Southeast*	Statewide Totals
Campsites	99	68	136	96	80	479
Host campsites	0	1	6	0	1	8
ADA campsites	3	4	26	1	1	35
Campsite Totals	102	73	168	97	82	522
Picnic sites	26	1	54	59	5	145
Statewide Camp and						
Picnic Site Totals	128	74	222	156	87	667

^{*}Southeast Region data is only for areas covered by the HCP

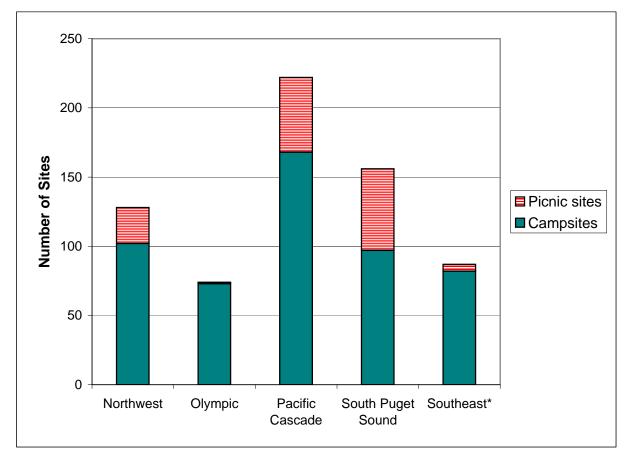
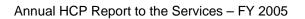
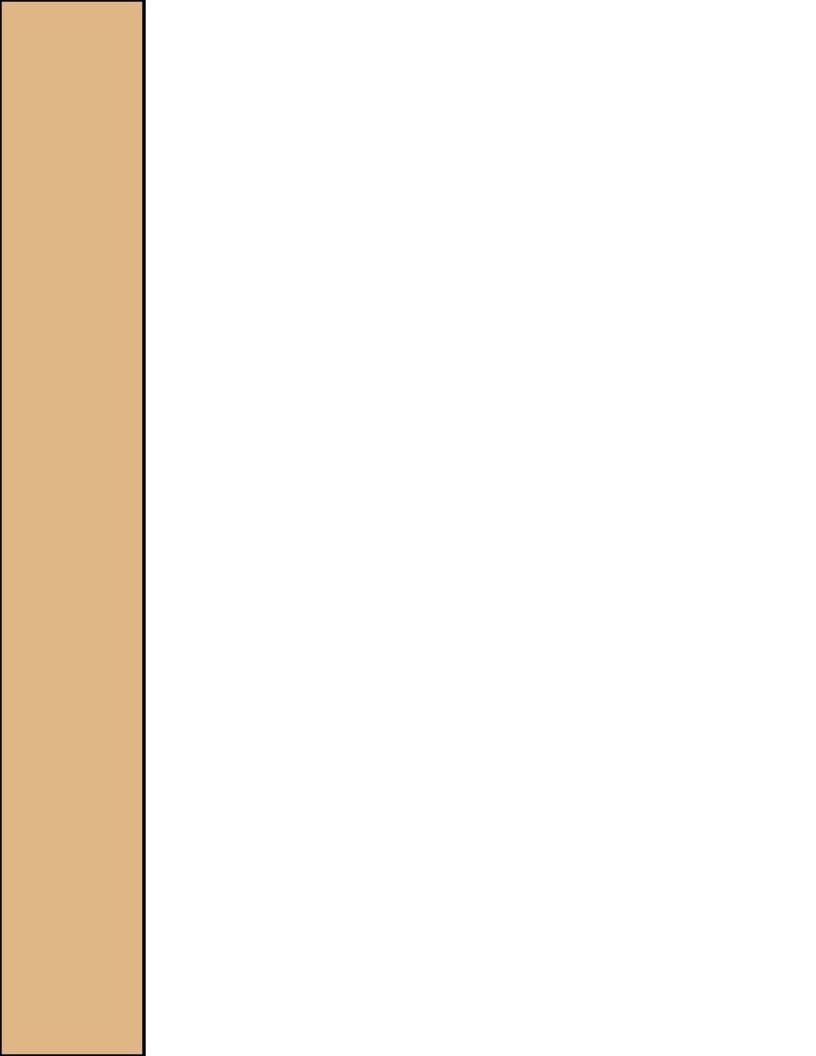


Figure 4.5. Total sanctioned camp and picnic sites by region.



5. ROAD MANAGEMENT ACTIVITIES



ROAD MANAGEMENT ACTIVITIES

Roads can impact habitat in a number of ways. Improperly constructed or maintained roads can increase rates of slope failure, contribute sediment to streams, and create fish blockages, potentially harming salmonids and other aquatic and riparian obligate species.

In 2001, state Forest and Fish legislation (implemented through Washington State Forest Practices rules) required that by December 31, 2005 all forest landowners have Road Maintenance and Abandonment Plans (RMAPs) for their land. This includes all roads constructed or used for timber harvest and other forest practices since 1974 (WAC 222-24-051). In addition, all forest roads must be improved and maintained to the standards established in WAC 222-24 by the year 2016. DNR will have completed RMAP assessments for all state trust lands by the end of December 2005 and DNR intends to be fully compliant with RMAP standards by 2016.

Under the HCP, DNR committed to developing and instituting a comprehensive landscape-based road network management process. The major components of this process include:

- "the minimization of active road density;
- a site-specific assessment of alternatives to new road construction (e.g., yarding systems) and the use of such alternatives where practicable and consistent with conservation objectives;
- a base-line inventory of all roads and stream crossings;
- prioritization of roads for decommissioning, upgrading, and maintenance; and
- identification of fish blockages caused by stream crossings and a prioritization of their retrofitting or removal." (DNR 1997¹, p. IV.62)

With the exception of the first two components, DNR's comprehensive road management process will be addressed under RMAP requirements. The initial RMAP plans will be completed by the end of December 2005, and yearly reassessments will evaluate the work completed during the last year and prioritize the work to be completed during the upcoming year. The department intends to implement the first two components (minimization of active road densities and site-specific assessments of alternatives to new road construction) through forest land planning or another landscape planning process.

As part of the HCP Annual Report requirements, DNR tracks and reports on the number of road miles constructed (newly built roads), reconstructed (existing roads brought back to driveable conditions), decommissioned (roads made impassible to vehicular traffic), or abandoned (roads stabilized and abandoned to Forest Practices standards); fish barriers removed; active Forest Practices road miles; and percent of road miles under RMAP (Table 5.1). Beginning with the calendar year 2005 road management activities (FY 2006 HCP Annual Report), DNR also will report the miles of recreation roads (roads that

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¹ Washington State Department of Natural Resources. 1997. Final Habitat Conservation Plan. Author, Olympia, WA.

only lead to a recreation site) and roads that are contained in Natural Area Preserves (NAPs) and Natural Resource Conservation Areas (NRCAs) as separate categories.

Unlike other activities, road management activities are reported on a calendar (rather than fiscal) year basis. This reflects the requirements by Forest Practices for road management activities and maintenance schedules to be reported on a calendar year basis.

To obtain the base numbers of road miles, DNR used photo interpretation augmented with Global Positioning System (GPS). This became the basis of the mapped corporate transportation data layer in the DNR GIS system. Since then, department employees have been verifying the presence or absence of these mapped road arcs as they complete RMAPs. As the percentage of roads covered by RMAP assessments increases, DNR's confidence in actual active forest road miles also increases.

Road Use Permits and Easements

In the past, road-related activities associated with easements and road use permits were not reported to DNR's engineers to be included in the HCP Annual Report. These "footprints", which were granted by DNR to private entities in order to allow the private entities to gain access to their lands, were tracked and reported for the first time this year (Table 5.2).

Table 5.1. Road management activities on forested state trust lands in calendar year 2004.

				Planni	ing Uni	ts					
Activity	Chelan	Columbia	Klickitat	North Puget	OESF	South Coast	South Puget	Straits	Yakima	CY 2004 Total ¹	6-Year MEAN ²
Total Road Miles	90	1,353	661	1,534	1,710	1,496	944	584	505	8,877	8,857
Construction (miles)	0	27	9	51	4	25	10	7	2	135	134
Reconstruction (miles)	0	27	26	134	2	11	4	7	8	218	224
Active Forest Roads											
Abandoned (miles)	0	24	2	68	3	5	2	0	7	113	151 ³
Decommissioned (miles)	0	1	1	0	8	2	1	9	3	25	104
Fish Barriers Removed											
(number)	0	5	3	18	23	8	5	1	9	72	52
Percent Of RMAP											
Responsibility Assessed	66%	97%	82%	79%	92%	86%	72%	49%	91%	83%	44% ³

¹For CY 2004, Total Road Miles means Total Active Roads on HCP lands and is determined from RMAP assessments.

³This data is only for CY 2001 - CY 2003; data was not available in previous years.

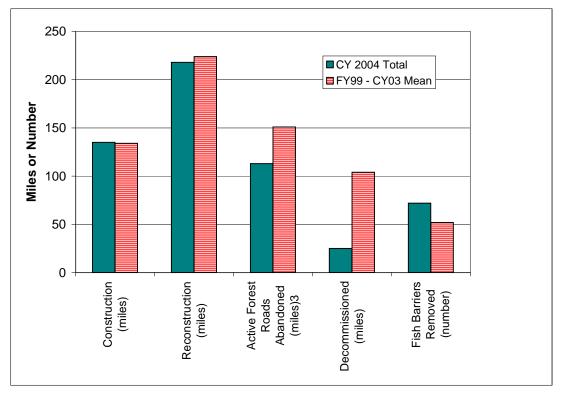


Figure 5.1. Road management activities: CY05 totals vs. FY99 - CY03 means.

²Due to a change in reporting methods, 6 year mean data comes from Fiscal Years 1999 through 2001 and Calendar Years 2001 through 2003. Calendar Year 2001 included data from the last 6 months of FY 2001.

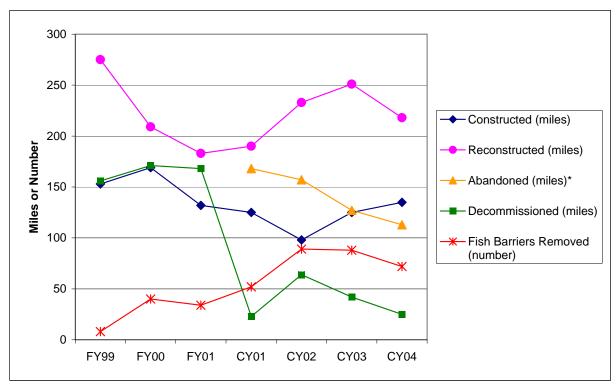


Figure 5.2. Road management activities in HCP planning units: FY99 through CY04. *No data were available on miles of road abandoned prior to Calendar Year 2001.

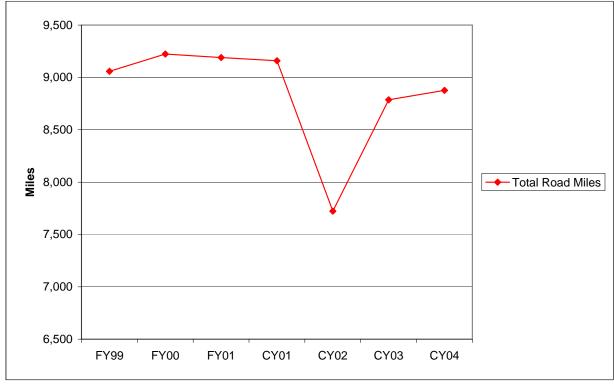


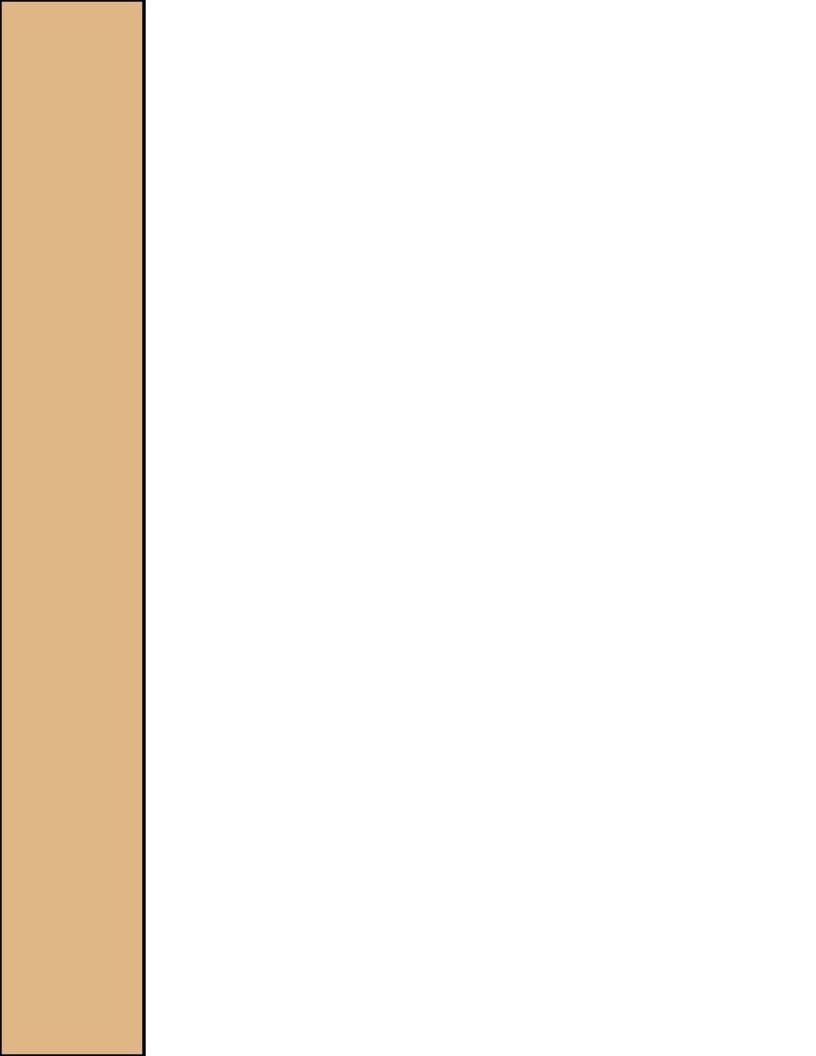
Figure 5.3. Total road miles in HCP planning units: FY99 through CY04.

Table 5.2. Road easements and road use permits granted in calendar year 2004.

Planning Unit	Length of New Road Construction (Miles)	Area of New Road Construction (Acres)	Length of Reconstruction (Miles)	Area of Reconstruction (Acres)	Length of Abandonment (Miles)	Area of Abandonment (Acres)
Columbia	1.46	10.58	0	0	0	0
North Puget	1.78	10.3	0	0	1.05	3.69
OESF	0.49	2.8	0.11	0.69	0.07	0.11
South Coast	0.23	1.67	0	0	0	0
TOTALS:	3.96	25.35	0.11	0.69	1.12	3.8

These are easements or RUPs that created a new "footprint" on HCP lands. They are not included in Table 5.1.

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LAND TRANSACTIONS

DNR has a transactions program designed to reposition trust lands for better long-term management and increased revenue for each of the state trusts. Through this program, DNR looks for opportunities to divest the trusts of lands not appropriate for revenue production; such lands are often better suited to other public benefits, such as parks or habitat for rare native species. DNR also looks to consolidate its forest landscapes, which allows for more cost-effective management and offers opportunities to maximize trust revenue while maintaining habitat and allowing public recreation as appropriate.

Land transactions affect the amount of habitat or potential habitat on DNR-managed forested state lands. Transactions may be carried out to consolidate forested state ownership in certain areas, often by trading with owners of adjacent lands for scattered DNR-managed parcels elsewhere. State trust lands also may be transferred out of trust ownership into protected status as Natural Area Preserves (NAPs) or Natural Resource Conservation Areas (NRCAs). DNR-managed NAPs and NRCAs are selected to protect high-quality examples of native ecosystems and rare species as well as important natural features. Another option is for trust lands to be transferred to other government agencies to be used as parks or open space or for public facilities. When this happens, the trust is compensated at fair market value, and replacement properties are acquired to maintain trust assets over time.

During this reporting period, the department conducted transactions in eight of the nine HCP planning units. A total of 1,579 acres were added to state trust lands and 4,486 acres were disposed. Table 6.1 details the fiscal year 2005 transactions, including their effects on various types of habitat, streams, and forests. Cumulative changes from 1997 through FY 2004 are detailed in Table 6.2.

Briefly, the transactions for FY 2005 can be described as follows:

Chelan Planning Unit

Acquired: None

Disposed: One section (640 acres) was traded to a private party. This parcel of nonforested grazing land was designated "no role" for spotted owl habitat.

Columbia Planning Unit

Acquired: 376 acres of forestland designated no role. Of that, 20 acres is included in a NAP.

Disposed: 240 acres designated no role were transferred to State Parks. One parcel of less than one acre, also no role, was transferred to a private party to resolve a trespass.

North Puget Planning Unit

Acquired: 527 acres of forestland designated no role.

Disposed: 590 acres designated no role, including 40 acres sold to a private party, 441 acres to State Parks, and 109 acres sold to San Juan County for parks and open space. About 59 acres of the San Juan property is eagle habitat.

Other activity in this unit involved transferring 1,002 acres of property to WDFW, including 953 acres of designated NRF lands. These properties were transferred with a deed restriction and will continue to be managed as permit lands.

South Coast Planning Unit

Acquired: 636 acres of no role property for addition to a NRCA. *Disposed*: None.

South Puget Planning Unit

Acquired: 28 acres of NRCA property and 12 acres of NAP property, all no role. *Disposed*: 237 acres to King County for parks and open space, and 391 acres to the S'Klallam tribe, all no role.

Straits Planning Unit

Acquired: None.

Disposed: 84 acres of no role property to the City of Tacoma for parks and open space.

The following planning units were involved in a major land exchange.

Klickitat Planning Unit

Acquired: None.

Disposed: 1,189 acres of forestland designated Desired Future Condition (DFC)/no role management area. These properties are included in the HCP Amendment No. 1, and are located in west Klickitat County. They consist of seven scattered parcels, and all but one are 160 acres or less. Most of the land, about 943 acres, contains mature timber. Under the amendment, properties in this category are managed as DFC, but are not included in the DFC acreage commitment.

Yakima Planning Unit

Acquired: In the exchange, 10,767 acres were acquired from Plum Creek Timber Co. in an effort to consolidate ownership in the Ahtanum block. Of these acres, 2,260 are considered capable of meeting spotted owl dispersal habitat targets and will be added to the permit lands in approximately 2045, when the timber matures. The remainder of the acres will not be added to the permit lands at this time, although if an amendment to the spotted owl strategy in the Yakima Planning Unit is proposed, it is likely that habitat designations in the Ahtanum block will be re-examined.

Disposed: 1,115 acres of forestland were traded to Plum Creek. These are two parcels located in the I-90 corridor and separated from other DNR-managed state ownership. About 1,084 acres are designated spotted owl dispersal management areas and 31 acres are no role. One parcel has about 410 acres of suitable dispersal habitat; the other contains about 434 acres.

 $\textbf{Table 6.1.} \ Effects \ of \ transactions \ on \ permit \ lands \ - \ July \ 2004 \ through \ June \ 2005.$

Information subject to corrections and additions over time.

Some numbers may not add up due to rounding.

	Activity				Planni	ng Unit	000	rs may not add	ap ado to roa.	inag.
	,	Chelan	Columbia	Klickitat		S Coast	S Puget	Straits	Yakima	Totals
	Total Acres Acquired		376.00	-	526.50	635.67	40.35	-		1,578.52
	Total Acres Disposed	(640.00)	(240.57)	(1,188.67)	(590.27)		(628.00)	. ,	(1,114.84)	
	Net Change	-	135.43	(1,188.67)	(63.77)	635.67	(587.65)	(83.61)	(1,114.84)	(2,907.44)
Owl Habitat	Designated Dispersal									
Acquired	Existing Dispersal (41+)	_	-	-	_	_	-	-	_	_
Acquired	Designated NRF	_	_	_	_		_	_	_	
	Existing NRF (71+)	_	_	_	_		_	_	_	
	OESF (71+)	_	_	_	_	_	_	_	_	
	No Role	_	376.00	_	526.50	635.67	40.35	_	_	1,578.52
	110 11010		070.00		020.00	000.07	10.00			1,578.52
Owl Habitat	Designated Dispersal	_							(1,084.35)	(1,084.35)
Disposed	Existing Dispersal (41+)	_		_			_	_	(844.07)	
Disposed	Designated NRF		_	_	_	_	_	_	(044.07)	(044.07)
	Existing NRF (71+)	_		_			_	_	-	
	OESF	_	_	_	_	_	_	_	_	_
	No Role	(640.00)	(240.57)	(1,188.67)	(590.27)	-	(628.00)	(83.61)	(30.49)	(3,401.61
	TVO TIOIC	(040.00)	(240.01)	(1,100.01)	(000.27)		(020.00)	(00.01)	(50.40)	(4,485.96)
Other	Murrelet	_								_
Habitats	Oregon silverspot butterfly		-	-	-	-	-	-	-	
Acquired	Aleutian Canadian goose		_	_	_	_	_	_	_	
Acquired	Bald eagle	-	-	-	-	_	-	-	-	_
	Peregrine falcon	-	-	-	-	_	-	-	-	_
	Gray wolf	_	-	-	-	-	-	-	-	-
	Grizzly bear	-	-	-	-	_	-	-	-	_
	Columbia white-tailed deer	_	-	-	-	-	-	-	-	_
	Talus and cliffs	_	-	-	-	-	-	-	-	_
	Meadows	-	-	-	-	-	-	-	-	-
	ivieadows	-					<u> </u>		-	-
Other	Murrelet	-	-	-	-	-	-	-	-	-
Habitats	Oregon silverspot butterfly	-	-	-	-	-	-	-	-	-
Disposed	Aleutian Canadian goose	-	-	-	-	-	-	-	-	-
	Bald eagle	-	-	-	(59.00)	-	-	-	-	(59.00)
	Peregrine falcon	-	-	-	-	-	-	-	-	-
	Gray wolf	-	-	-	-	-	-	-	-	-
	Grizzly bear	-	-	-	-	-	-	-	-	-
	Columbia white-tailed deer	-	-	-	-	-	-	-	-	-
	Talus and cliffs	-	-	-	-	-	-	-	-	-
	Meadows	-	-	-	-	-	-	-	-	-
Riparian:										
Stream Miles	Stream type 1	-	-	-	-	-	-	-	-	
Acquired	Stream type 2	-	-	-	-	-	-	-	-	
	Stream type 3	-	-	-	-	0.87	-	-	-	
	Stream type 4	-	0.20	-	1.55	0.97	-	-	-	
	Stream type 5	-	2.86	-	0.77	2.71	-	-	-	
	Stream type 9	-	0.46	-	0.34	3.73	-	-	-	
	Total Miles	-	3.52	-	2.66	8.28	-	-	-	
ROS/Slopes	Rain on Snow	_	_	_	99.11	_	_	_	_	
Acquired	Unstable Slopes	_	4.24	-	55.46	110.29	-	-	-	
Aoquileu	Cholabic Glopes	_	7.24	-	33.40	110.23	=	-	-	
Riparian:	_									
Stream Miles	Stream type 1	-	(0.08)	-	-	-	-	-	(0.35)	-
Disposed	Stream type 2	-	-	-	-	-	-	-	-	-
	Stream type 3	-	-	-	(0.77)	-	(2.27)	-	-	-
	Stream type 4	(0.08)	-	(0.27)	-	-	(1.13)	-	(0.36)	
	Stream type 5	(5.44)	(0.38)	(2.24)	(0.08)	-	(0.97)		(2.43)	
	Stream type 9	(7.60)	-	(3.61)	(0.30)	-	(0.18)		(4.87)	
	Total Miles	(13.12)	(0.46)	(6.12)	(1.15)	-	(4.55)	(0.30)	(7.66)	(12.58)
ROS/Slopes	Rain on Snow	(497.03)	-	(796.06)	-	_	_	-	(767.81)	
Disposed	Unstable Slopes	-	(8.19)		_	_	_	-	-	_
000000	12stable Glopeo	·	(0.70)							·

	Activity					ng Unit				
		Chelan	Columbia	Klickitat		S Coast	S Puget	Straits	Yakima	Totals
Zones	Puget Sound Douglas Fir	-	-	-	3.50	-	40.35	-	-	43.85
Acquired	Silver Fir Sitka Spruce	-	-	-	160.00	- 625.67	-	-	-	160.00 635.67
	Western Hemlock	_	374.00	-	363.00	635.67	-	-	-	737.00
	Willamette Valley	I	2.00	_	303.00	_			-	2.00
	Total Acres	_	376.00	-	526.50	635.67	40.35	-	-	1,578.52
Zones	Woodland/Prairie Mosaic	-	-	-	(69.62)	-	-	-	-	(69.62)
Disposed	Western Hemlock	- (0.45.00	(240.57)	-	(441.00)	-	-	(83.61)	-	(765.18)
	Central Arid Steppe Ponderosa Pine	(615.00)		-	-	-	-	-	-	(615.00
	Interior Douglas Fir	(25.00)	, -	(312.53)	-	-	-	-	-	(25.00 (312.53
	Oak	_	_	(876.14)	_	_	_	_	_	(876.14
	Puget Sound Douglas Fir	_	_	(070.77)	(79.65)	_	(628.00)		_	(707.65
	Grand Fir	_	-	-	-	_	-	_	(634.84	
	Interior Western Hemlock	_	_	-	-	_	_	_	(480.00	
	Total Acres	(640.00)	(240.57)	(1,188.67)	(590.27)	-	(628.00)	(83.61)	(1,114.84)	(4,485.96)
Age class	Open 0-10	-	-	-	379.00	-	-	-	-	379.00
Acquired	Regeneration 11-20	-	-	-	117.00	26.60	-	-	-	143.60
	Pole 21-40	-	320.00	-	-	73.30	21.42	-	-	414.72
	Closed 41-70 Complex 71-100	_	14.00 17.20	-	-	131.50 265.60	18.93	-	-	164.43 282.80
	Complex 71-100 Complex 101-150	_	17.20	-	-	91.00	-	-	-	91.00
	Functional 150+	I		_	-	2.00				2.00
	Non-Forest Land	_	24.80	-	30.50	45.67	_	-	_	100.97
	Total Acres	_	376.00	_	526.50	635.67	40.35	-	_	1,578.52
										ĺ
Age class	Open 0-10	-	-	(57.85)	-	-	-	-	-	(57.85
Disposed	Regeneration 11-20	-	-	-	-	-	(187.40)		(177.38)	
	Pole 21-40	-	-	(143.85)	- (0.00.00)	-	(82.20)		(63.49)	,
	Closed 41-70	-	(400.00)	(479.31)	(208.00)	-	(201.60)	. ,	(454.61)	
	Complex 71-100 Complex 101-150	-	(120.00) (59.00)	(447.65) (22.64)	(39.30)	-	(68.00) -	(36.40) (16.30)	(237.65 ₎ (151.81 ₎	,
	Functional 150+	I	(39.00)	(3.95)	(17.50) (30.62)	_	-	(10.30)	(131.61)	(34.57
	Non-Forest Land	(640.00)	(61.57)		(294.85)	_	(88.80)	(16.11)	(29.90)	,
	Total Acres	(640.00)		(1,188.67)	(590.27)	-	(628.00)	. ,	(1,114.84)	
Age class	Open 0-10									
by Zone	Western Hemlock	-	-	-	219.00	-	-	-	-	219.00
Acquired	Silver Fir Regeneration 11-20	-	-	-	160.00	-	-	-	-	160.00
	Western Hemlock	_	_	_	117.00	_	_	_	_	117.00
	Sitka Spruce	_	_	_	111.00	26.60	_	_	_	26.60
	Pole 21-40					20.00				20.00
	Western Hemlock	_	320.00	-	-	-	-	-	-	320.00
	Sitka Spruce	-	-	-	-	73.30	-	-	-	73.30
	Puget Sound Doug Fir	-	-	-	-	-	21.42	-	-	21.42
	Closed 41-70									
	Western Hemlock	-	14.00	-	-	-	-	-	-	14.00
	Sitka Spruce	-	-	-	-	131.50		-	-	131.50
	Puget Sound Doug Fir	-	-	-	-	-	18.93	-	-	18.93
	Complex 71-100		15 50						_	15.50
	Western Hemlock Willamette Valley	_	15.50 1.80	-	-	-	-	-	-	15.50 1.80
	Sitka Spruce]	1.60	-	-	265.60	-	-	-	265.60
	Complex 101-150					200.00				200.00
	Sitka Spruce	_	-	-	-	91.00	-	-	-	91.00
	Functional 150		-					-		
	Sitka Spruce	-	-	-	-	2.00	-	-	-	2.00
	Non-Forest Land									
	Western Hemlock	-	24.50	-	27.00	-	-	-	-	51.50
	Sitka Spruce	-	-	-	-	45.67	-	-	-	45.67
	Willamette Valley	-	0.20	-	-	-	-	-	-	0.20
	Puget Sound Doug Fir	-	.=	-	3.50	-	-	-	-	3.50
	Total Acres	-	376.00	-	526.50	635.67	40.35	-	-	1,578.52

	Activity				Planni	ng Unit				
	Ť	Chelan	Columbia	Klickitat	N Puget	S Coast	S Puget	Straits	Yakima	Totals
Age class	Open 0-10									
by Zone	Oak	-	-	(57.85)	-	-	-	-	-	(57.85)
Disposed	Regeneration 11-20									
	Puget Sound Doug Fir	-	-	-	-	-	(187.40)	-	-	(187.40)
	Grand Fir	-	-	-	-	-	-	-	(177.38)	(177.38)
	Pole 21-40									
	Interior Doug Fir	-	-	(37.69)		-	-	-	-	(37.69)
	Oak	-	-	(106.15)	-	-	-	-	-	(106.15)
	Puget Sound Doug Fir	-	-	-	-	-	(82.20)	-	-	(82.20)
	Int Western Hemlock	-	-	-	-	-	-	-	(63.49)	(63.49)
	Closed 41-70									
	Western Hemlock	-	-	-	(208.00)	-	-	(14.80)	-	(222.80)
	Interior Doug Fir	-	-	(148.57)		-	-	-	-	(148.57)
	Oak	-	-	(330.74)	-	-	-	-	-	(330.74)
	Puget Sound Doug Fir	-	-	-	-	-	(201.60)	-	-	(201.60)
	Grand Fir	-	-	-	-	-	-	-	(272.55)	
	Int Western Hemlock	-	-	-	-	-	-	-	(182.06)	(182.06)
	Complex 71-100									
	Western Hemlock	-	(120.00)	-	-	-	-	(36.40)	-	(156.40)
	Woodland/Pr. Mosaic	-	-	-	(20.00)	-	-	-	-	(20.00)
	Oak	-	-	(321.38)		-	-	-	-	(321.38)
	Puget Sound Doug Fir	-	-	-	(19.30)	-	(68.00)	-	-	(87.30)
	Grand Fir	-	-	-	-	-	-	-	(9.40)	(9.40)
	Int Western Hemlock	-	-	-	-	-	-	-	(228.25)	
	Interior Doug Fir	-	-	(126.27)	-	-	-	-	-	(126.27)
	Complex 101-150									
	Western Hemlock	-	(59.00)		-	-	-	(16.30)	-	(75.30)
	Oak	-	-	(22.65)		-	-	-	-	(22.65)
	Puget Sound Doug Fir	-	-	-	(17.50)	-	-	-	-	(17.50)
	Grand Fir	-	-	-	-	-	-	-	(151.81)	(151.81)
	Functional 150									
	Oak	-	-	(3.95)		-	-	-	-	(3.95)
	Woodland/Pr. Mosaic	-	-	-	(30.62)	-	-	-	-	(30.62)
	Non-Forest Land									
	Western Hemlock	-	(61.57)	-	(233.00)	-	-	(16.11)		(310.68)
	Grand Fir	-	-	-	-	-	-	-	(23.70)	
	Central Arid Steppe	(615.00)		-	-	-	-	-	-	(615.00)
	Ponderosa Pine	(25.00)	-	-	-	-	-	-	-	(25.00)
	Oak	-	-	(33.42)		-	-	-	-	(33.42)
	Woodland/Pr. Mosaic	-	-	-	(19.00)		-	-	-	(19.00)
	Puget Sound Doug Fir	-	-	-	(42.85)	-	(88.80)	-	-	(131.65)
	Int Western Hemlock	-	-	-	-	-	-	-	(6.20)	
	Total Acres	(640.00)	(240.57)	(1,188.67)	(590.27)	-	(628.00)	(83.61)	(1,114.84)	(4,485.96)

 Table 6.2. Effects of transactions of permit lands - January 1997 through June 2005.

Information subject to corrections and additions over time. Some numbers may not add up due to rounding.

							Some numbers	may not add u	p due to round	ing.	
	Activity	Chalan	Columbia	Klickitat		anning Unit OESF	S C	C Dumat	Ctraita	Valsima	Totals
	Total Acres Acquired	403.57	5,998.50	1,234.65	N Puget 12,603.82	3,180.59	S Coast 4,733.58	S Puget 10,482.85	1,222.72	Yakima 39.15	39,899.43
	Total Acres Disposed	(640.00)	(10,511.98)	(1,188.67)	(5,054.50)	(838.24)	(2,605.91)	(6,277.41)	(206.45)	(1,114.84)	(28,438.00)
	Net Change - Acres	(236.43)	(4,513.48)	45.98	7,549.32	2,342.35	2,127.67	4,205.44	1,016.27	(1,075.69)	11,461.43
	not only year	(2001.0)	(.,	.0.00	.,0.0.02	_,000	_,	.,	.,	(1,010.00)	,
Owl Habitat	Designated Dispersal	-	-	232.20	10.00	-	-	7,346.73	-	-	7,588.93
Acquired	Existing Dispersal (41+)	-	-	230.00	10.00	-	-	3,279.46	-	-	3,519.46
	Designated NRF	203.57	380.00	1,002.45	2,076.24	-	-	-	-	-	3,662.26
	Existing NRF (71+)	-	17.39	146.00	-	-	-	-	-	-	163.39
	OESF	-	-	-	-	3,180.59	-	-	-	-	3,180.59
	No Role	200.00	5,618.50	-	10,517.58	-	4,733.58	3,136.12	1,222.72	39.15	25,467.65
											39,899.43
			/ /					/		(/2
Owl Habitat	Designated Dispersal	-	(6,754.57)	-	(734.36)	-	-	(660.00)	-	(1,084.35)	(9,233.28)
Disposed	Existing Dispersal (41+)	-	(2,325.82)	-	(109.00)	-	-	(131.90)	-	(844.07)	(3,410.79)
	Designated NRF Existing NRF (71+)	-	(1,284.53) (389.49)	-	(126.55)	-	-	-	-	-	(1,411.08 ₎ (389.49)
	OESF	_	(369.49)	-	-	(838.24)	-	_	-	-	(838.24)
	No Role	(640.00)	(2,472.88)	(1,188.67)	(4,193.59)	(030.24)	(2,605.91)	(5,617.41)	(206.45)	(30.49)	(16,955.40)
	NO NOIC	(040.00)	(2,472.00)	(1,100.01)	(4,133.03)		(2,000.91)	(5,017.41)	(200.40)	(30.43)	(28,438.00)
											(20,400.00)
Other	Murrelet	-	-	-	-	-	-	-	-	-	-
Habitats	Oregon silverspot butterfly	-	-	-	-	-	-	-	-	-	-
Acquired	Aleutian Canadian goose	-	-	-	-	-	-	-	-	-	-
	Bald eagle	-	-	-	20.00	-	-	-	-	-	20.00
	Peregrine falcon	-	-	-	-	-	-	-	-	-	-
	Gray wolf	-	-	-	-	-	-	-	-	-	-
	Grizzly bear	-	-	-	-	-	-	-	-	-	-
	Columbia white-tailed deer	-	-	-	-	-	-	-	-	-	-
	Talus and cliffs	-	-		325.00	-	-	-	-	-	325.00
	Meadows	102.50	-	70.45	-	-	-	-	-	-	172.95
Othor	Municipal		(F67.64)					(270.04)			(0.47.50
Other Habitats	Murrelet	-	(567.61)	-	-	-	-	(279.91)	-	-	(847.52)
Disposed	Oregon silverspot butterfly Aleutian Canadian goose	_	-	-	-	-	-	-	-	-	-
Disposeu	Bald eagle		(40.00)	_	(64.00)	(49.42)	_	_		_	(153.42)
	Peregrine falcon		(40.00)	_	(04.00)	(43.42)	_	_	_	_	(100.42)
	Gray wolf	_	_	_	_	_	_	_	_	_	_
	Grizzly bear	_	_	_	_	_	_	_	_	_	_
	Columbia white-tailed deer	-	_	-	-	_	_	-	-	_	-
	Talus and cliffs	-	(87.00)	-	(20.00)	_	_	-	-	_	(107.00)
	Meadows	-	(82.00)	-	-	-	-	-	-	-	(82.00)
			, ,								, ,
Riparian:											
Stream Miles	,,	-	2.41	3.70	16.42	0.32	9.23	3.05	-	-	35.13
Acquired	Stream type 2	-	-	1.12	1.81	1.02	0.91	0.36	-	-	5.22
	Stream type 3	-	8.65	1.01	11.79	7.24	7.89	9.09	-	-	45.67
	Stream type 4	0.96	10.35	-	15.98	2.25	6.72	10.70	0.31	-	47.27
	Stream type 5	2.47	39.16	0.82	30.03	8.99	13.14	36.14	4.41	-	135.16
	Stream type 9	4.47	40.28	3.42	26.61	4.85	24.77	12.71	2.83	0.25	120.19
	Total Miles	7.90	100.85	10.07	102.64	24.67	62.66	72.05	7.55	0.25	388.64
ROS/Slopes	Rain on Snow	_	1,070.74	999.04	2,502.21	4.47	_	3,165.84	925.75	3.43	8,671.48
Acquired	Unstable Slopes	23.10	840.40	333.04	1,054.61	1,137.10	288.67	104.84	923.77	3.43	4,372.49
Acquired	Onstable Glopes	25.10	040.40		1,004.01	1,107.10	200.07	104.04	323.11	_	4,572.43
Riparian:											
Stream Miles	Stream type 1	-	(1.40)	-	(3.20)	(0.30)	(0.14)	(0.69)	-	-	(5.73)
Disposed	Stream type 2	-	-	-	(0.33)	-	(1.97)	(0.32)	-	(0.35)	(2.97)
	Stream type 3 1	-	(15.78)	-	(12.22)	(2.18)	(2.64)	(5.18)	(0.59)	. /	(38.59)
	Stream type 4	(0.08)	(10.01)	(0.27)	(0.47)	(1.71)	(1.65)	(5.96)	(0.17)	(0.36)	(20.68)
	Stream type 5	(5.44)	(49.80)	(2.24)	(3.78)	(5.15)	(9.43)	(7.03)	(0.09)	(2.43)	(85.39)
	Stream type 9	(7.60)	(31.16)	(3.61)	(1.82)	· - ´	(11.18)	(11.17)	(0.24)	(4.87)	(71.65)
	Total Miles	(13.12)	(108.15)	(6.12)	(21.82)	(9.34)	(27.01)	(30.35)	(1.09)	(7.66)	(224.66)
ROS/Slopes	Rain on Snow	(497.03)	(3,611.18)	(796.06)	(536.98)	(78.46)	-	(182.12)	-	(767.81)	(6,469.64)
Disposed	Unstable Slopes	-	(1,135.79)	-	(378.10)	(14.09)	(1.65)	(114.97)	-	-	(1,644.60)
-		200 57		200 70							504.07
Zones:	Interior Douglas Fir	203.57	-	360.70	-	-	-	-	-		564.27
Acquired	Olympic Douglas Fir	-	-	-	-	-	-	-	161.45	-	161.45
	Puget Sound Douglas Fir Silver Fir	-	-	-	202.17	-	-	1,810.41 39.32	0.75	-	2,013.33
	Sitka Spruce	_	-	-	1,263.29	389.08	- 1,988.16	39.32	-	-	1,302.61 2,377.24
	Western Hemlock	l -	5,996.50	-	8,423.15	2,791.82	2,520.90	8,633.12	1,060.52	-	29,426.01
	Mt. Hemlock		-	-	2,597.04	2,101.02	-,020.30	0,000.12	1,000.02	-	2,597.04
	Oak]	-	873.95	2,007.04	-	-	-		-	873.95
	Three-tip Sage	40.00	-	-	-	-	-	-	-	_	40.00
	30		_	-	-	-	-	-	-	_	120.00
	Central Arid Steppe	120.00									0.00
	Central Arid Steppe Ponderosa Pine	120.00 40.00	_	-	-	-	-	-	-	26.15	66.15
	Ponderosa Pine	40.00	-	-	-	-	-	-	-	26.15	66.15 2.00
			2.00	-	- 118.17	-	- 224.52	-	-	26.15 13.00	66.15 2.00 355.69

	Activity	Chelan	Columbia	Klickitat	N Puget	anning Unit OESF	S Coast	S Puget	Straits	Yakima	Tot
ones:	Interior Douglas Fir	-	-	(312.53)	-	-	-	-	-	-	(312.
Disposed	Mountain Hemlock	-	-	-	(402.00)	-	-	-	-	-	(402.
	Puget Sound Douglas Fir	-	-	-	(1,085.95)	-	(148.71)	(3,378.66)	(80.00)	-	(4,693.
	Olympic Douglas Fir Silver Fir	-	(1,250.23)	-	(550.00)	-	-	- (488.00)	(0.22)		(0. (2,288.
	Sitka Spruce	-	(1,250.25)	-	(550.00)	- (54.21)	(1,120.00)	(466.00)		-	(2,200.
	Western Hemlock	-	(8,979.75)	-	(2,946.93)	(784.03)	(926.77)	(1,849.75)	(85.61)	_	(15,572.
	Woodland/Prairie	-	-	-	(69.62)	-	-	(561.00)	(40.62)	-	(671.
	Williamette Valley	-	(242.00)	-	` - ´	-	-	· - ′	` - ´	-	(242.
	Cowlitz River	-	(40.00)	-	-	-	(410.43)	-	-	-	(450.
	Central Arid Steppe	(615.00)	-	-	-	-	-	-	-	-	(615.
	Ponderosa Pine	(25.00)	-	(070.44)	-	-	-	-	-	-	(25.
	Oak	-	-	(876.14)	-	-	-	-	-	(400,00)	(876.
	Interior Western Hemlock Grand Fir	_	-	-	-	-	-	-	-	(480.00) (634.84)	(480. (634.
	Total Acres	(640.00)	(10,511.98)	(1,188.67)	(5,054.50)	(838.24)	(2,605.91)	(6,277.41)	(206.45)	(1,114.84)	(28,438.
e class	Open 0-10	97.50	3,821.50	184.65	2,861.60	216.28	1,762.10	2,710.00	273.45	_	11,927.
quired	Regeneration 11-20	-	2.00	14.90	2,524.57	509.64	568.61	1,224.41	-	_	4,844
quiiou	Pole 21-40	0.50	675.00	-	831.40	1,541.00	245.30	1,981.12	-	-	5,274
	Closed 41-70	2.57	1,378.30	89.10	4,599.90	633.50	1,072.37	3,327.23	903.72	-	12,006
	Complex 71-100	-	43.59	324.00	353.57	113.30	265.60	597.49	-	-	1,697
	Complex 101-150	-	-	10.00	-	-	91.00	97.50	-	12.15	210
	Functional 150+	-		42.00	7.00	-	2.00	-	<u>-</u>	-	51
	Non-Forest Land	303.00	78.07	570.00	1,425.84	166.80	726.55	545.29	45.55	27.00	3,888
	Total Acres	403.57	5,998.46	1,234.65	12,603.88	3,180.52	4,733.53	10,483.04	1,222.72	39.15	39,899
class	Open 0-10	-	(2,048.90)	(57.85)	(560.01)	(42.21)	(655.25)	(608.24)	(2.00)	-	(3,974
posed	Regeneration 11-20	-	(1,307.22)	-	(514.02)	-	(679.67)	(330.61)	-	(177.38)	(3,008
	Pole 21-40	-	(2,027.50)	(143.85)	(511.10)	(207.35)	(304.60)	(357.50)	-	(63.49)	(3,61
	Closed 41-70	-	(2,810.10)	(479.31)	(2,133.90)	(414.03)	(813.63)	(2,108.00)	(135.42)	(454.61)	(9,34
	Complex 71-100	-	(563.20)	(447.65)	(707.66)	(140.95)	(33.00)	(1,451.06)	(36.40)	(237.65)	(3,61
	Complex 101-150	-	(748.71)	(22.64)	(22.50)	-	-	(357.12)	(16.30)	(151.81)	(1,319
	Functional 150+	(640.00)	(168.99)	(3.95)	(89.62)	(22.70)	(440.40)	(588.00)	(46.22)	(20,00)	(850
	Non-Forest Land Total Acres	(640.00) (640.00)	(837.34) (10,511.96)	(33.42) (1,188.67)	(515.73) (5,054.54)	(33.70) (838.24)	(119.19) (2,605.34)	(476.85) (6,277.38)	(16.33) (206.45)	(29.90) (1,114.84)	(2,702 (28,43)
		(0.000)	(10,011100)	(1)1001017	(5,550 115 1)	(000	(=)=====	(0)=11100)	1=001107	(1)111111	(==, :=:
class	Open 0-10										
Zone:	Mt Hemlock	-	-	-	450.70	-	-	-	-	-	450
quired	PS Douglas Fir	- 07.50	-	-	-	-	-	256.30	-	-	256
	Interior Doug Fir	97.50	-	3.90	-	-	-	-	164.45	-	101
	Olympic Doug Fir	-	-	-	600.27	-	-	-	161.45	-	16 ²
	Silver Fir Sitka Spruce	-	-		600.27	- 77.69	290.20	-	-	-	367
	Western Hemlock	_	3,821.50		1,817.58	138.92	1,423.46	2,453.77	128.00	-	9,783
	Oak	_	5,021.50	180.75	1,017.50	130.32	1,425.40	2,433.77	120.00		180
	WoodInd Prairie Mosaic	-	-	-	-	-	48.52	-	-	-	48
	Regeneration 11-20	-	-	-	-	-	48.52	-	•		
	Regeneration 11-20 PS Douglas Fir	-	-	-	-	-	48.52 -	296.49	-	-	296
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir	- - -	-	3.40	-	- - -	-	-	-		296
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir	- - -	- - -		- - - 10.50	- - - -	- - -	- 39.32	- - -	- -	296 3
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce	-	- - - - - 2.00	3.40 - -	-	- - - 60.96	- - - 279.31	39.32 -	- - - -	- - -	296 3 49 340
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock	-	2.00		- 2,210.57	448.71	- - -	39.32 - 888.60	- - - - -	- -	296 340 340 3,732
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Silka Spruce Western Hemlock Mt Hemlock	-	2.00	3.40 - - -	-		- - - 279.31	39.32 -	- - - - - -	- - - -	290 49 340 3,732 320
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak	-	- - - - 2.00	3.40 - -	- 2,210.57	448.71	279.31 182.30	39.32 - 888.60	- - - - - -	- - - -	296 49 340 3,732 320
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40	-	2.00	3.40 - - - - 11.50	- 2,210.57	448.71	- - - 279.31	39.32 - 888.60	-	- - - - -	296 49 340 3,732 320
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir	-	- - - - 2.00 - -	3.40 - - - - 11.50	- 2,210.57	448.71	279.31 182.30	39.32 - 888.60		- - - - -	296 346 3,733 326 10
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Silva Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir	- - - - - - - - - - 0.50	- - - - 2.00	3.40 - - - - 11.50	2,210.57 320.50 - - -	448.71	279.31 182.30	39.32 - 888.60 - -		-	290 349 349 3,733 320 1 100 600
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir		- - - - 2.00 - - - -	3.40 - - - - 11.50 -	2,210.57 320.50 - -	448.71 - - - - -	279.31 182.30 - - 107.00	39.32 - 888.60 - - - - 606.07		-	299 344 347 3,733 320 11 100 600 (103
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce	0.50	- - - - - -	3.40 - - - - 11.50 -	2,210.57 320.50 - - - 103.71	448.71 - - - - - - 142.66	279.31 182.30 - 107.00 - 161.32	39.32 - 888.60 - - - - 606.07		-	296 44 344 3,73 320 11 107 606 (103
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock	0.50	- - - - - - 675.00	3.40 - - - - 11.50 -	2,210.57 320.50 - - - 103.71 - 589.65	448.71 - - - - - - 142.66 1,251.70	279.31 182.30 - 107.00 - - 161.32 20.00	39.32 - 888.60 - - - 606.07		-	290 ; 44 344 3,73; 32 1 100 600 (100; 300; 3,91
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock	0.50	- - - - - -	3.40 - - - 11.50 - - - -	2,210.57 320.50 - - - 103.71 - 589.65 138.00	448.71 - - - - - 142.66 1,251.70	279.31 182.30 - 107.00	39.32 - 888.60 - - - - 606.07		-	296 340 3,732 11 107 606 (103 303 3,91 138
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic	0.50	- - - - - - 675.00	3.40 - - - - 11.50 -	2,210.57 320.50 - - - 103.71 - 589.65	448.71 - - - - - - 142.66 1,251.70	279.31 182.30 - 107.00 - - 161.32 20.00	39.32 - 888.60 - - - - 606.07		-	290 ; 44; 3,73; 32; 1: 10; 600 (10; 30; 3,91; 13;
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70	0.50	- - - - - - 675.00	3.40 - - - 11.50 - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00	448.71 - - - - - 142.66 1,251.70	279.31 182.30 - 107.00	39.32 - 888.60 - - - - 606.07		-	296 344 3,733 320 11 100 600 (103 303 3,911 138 64
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock	0.50	- - - - - - 675.00	3.40	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40	448.71 - - - - - 142.66 1,251.70	279.31 182.30 - 107.00	39.32 			299 344 347 3733 320 11 100 606 (103 303 3,91 133 64
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70	0.50	- - - - - - 675.00	3.40 - - - 11.50 - - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00	448.71 - - - - - 142.66 1,251.70	279.31 182.30 - 107.00	39.32 - 888.60 - - - - 606.07			296 349 349 3732 11 107 606 (103 303 3,91 138 64
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir	0.50 - - - - - -	- - - - - - 675.00	3.40 - - - 11.50 - - - - - -	2,210.57 320.50 - - - 103.71 - 589.65 138.00 - 1,052.40 117.97	448.71 - - - - - 142.66 1,251.70	279.31 182.30 - 107.00 - - 161.32 20.00 - 64.00	39.32 			299 344 347 320 107 600 (103 303 3,91 133 64 1,052 376
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir	0.50 - - - - - - - 2.57	- - - - - - 675.00 - - -	3.40 - - - 11.50 - - - - - - - - - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40 117.97	448.71 - - - - 142.66 1,251.70 - -	279.31 182.30 - 107.00 - - 161.32 20.00 - 64.00	39.32 - 888.60 - - - 606.07 - - 1,375.00 - - - 258.25	- - -		299 344 34(3,733 32(1 107 606 (0 103 303 3,91 138 64 1,055 376 428
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir	0.50 - - - - - - - 2.57	675.00 - - - - - - - - -	3.40 - - - 11.50 - - - - - - - - - - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16	448.71 	279.31 182.30 - 107.00 - - 161.32 20.00 - 64.00	39.32 - 888.60 - - - 606.07 - - 1,375.00 - - 258.25	- - -		299 344 343 321 100 600 (100 300 3,91 138 64 1,052 376 (421 428 78
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock Western Hemlock Oak	0.50 - - - - - - - 2.57	- - - - - - 675.00 - - - - -	3.40 - - - 11.50 - - - - - - - - - - - - - - - - - - -	2,210.57 320.50 - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16 - 2,872.63	448.71 - - - - 142.66 1,251.70 - - - - - - - - - - - - - - - - - - -	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - - 729.37 338.00	39.32 	- - - - - 907.72		296 3 44 3473 320 1107 6006 (103 303 3,911 133 64 1,052 376 64 428 781 9,299 88
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic	0.50 - - - - - - - 2.57	- - - - - - 675.00 - - - - -	3.40 - - - 11.50 - - - - - - - - - - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16	448.71 - - - - 142.66 1,251.70 - - - - - - - - - - - - - - - - - - -	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00	39.32 	- - - -		296 3 44 3473 320 1107 6006 (103 303 3,911 133 64 1,052 376 64 428 781 9,299 88
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100	0.50 - - - - - - - 2.57	675.00	3.40 - - - 11.50 - - - - - - - - - - - - - - - - - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40 117.97 428.16 - 2,872.63 - 104.77	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - - 729.37 338.00	39.32 	- - - - - 907.72		296 34 44 3,732 320 11 1007 600 (103 303 3,911 138 64 1,052 376 64 428 781 9,296 85 108
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir	0.50 - - - - - - - 2.57		3.40 - - - 11.50 - - - - - - - 4.00 - - -	2,210.57 320.50 - - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16 - 2,872.63 - 104.77 47.97	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 	- - - - - 907.72		296 348 347 327 107 606 (103 303 3,911 138 64 1,052 376 64 428 49,296 85 109
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak WoodInd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir	0.50 - - - - - - - 2.57	- - - - 675.00 - - - - - 1,378.34	3.40 - - - 11.50 - - - - - - - - - - - - - - - - - - -	2,210.57 320.50 	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - - 729.37 338.00	39.32 	- - - - - 907.72		296 3 44 3,733 320 1107 6006 (103 3,931 133 64 1,052 376 64 428 781 9,299 85 100
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir	0.50 - - - - - - - 2.57		3.40 - - - 11.50 - - - - - - - 4.00 - - -	2,210.57 320.50 	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 888.60 - - - 606.07 - - 1,375.00 - - 258.25 - - 3,068.99 - -	- - - - - 907.72		296 3 49 34(3,732 32(2) 111 107 606 (103 303 3,911 138 64 1,052 376 428 781 9,295 88 109
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Sitka Spruce	0.50 - - - - - - - 2.57		3.40 - - - 11.50 - - - - - - 4.00 - 85.10	2,210.57 320.50 	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 	- - - - - 907.72		296 34 44 3,732 11 100 606 (103 303 3,911 138 64 1,052 376 428 781 9,299 85 100 47 121 211 315
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Silva Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Silver Fir Sitka Spruce Western Hemlock Oak WoodInd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Siltka Spruce Western Hemlock Western Hemlock	0.50 - - - - - - - 2.57	675.00 - - - - - - 1,378.34 - -	3.40 - - - - - - - - - - - - - - - - - - -	2,210.57 320.50 - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16 - 2,872.63 - 104.77 47.97 58.00 - 117.60	448.71 	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 888.60 - - - 606.07 - - 1,375.00 - - 258.25 - - 3,068.99 - -	- - - - - 907.72		296 349 340 3,733 320 111 107 606 (103 3,911 138 64 1,052 376 428 788 9,298 88 109 47 122 212 3118 754
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Interior Doug Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Sitka Spruce Western Hemlock Mt Hemlock	0.50 - - - - - - - 2.57		3.40	2,210.57 320.50 	448.71	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 888.60 - - 606.07 - 1,375.00 - 258.25 - - 3,068.99 - - 63.93 - 533.56	907.72		296 3 44 3,733 320 1107 6006 (103 3,931 138 64 428 781 9,299 88 100 47 121 212 318 755 130
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak WoodInd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock WoodInd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock DS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak WoodInd Prairie Mosaic Complex 71-100 Silver Fir Sitka Spruce Western Hemlock Oak WoodInd Prairie Mosaic Complex 71-100 Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak	0.50 - - - - - - - 2.57	675.00 - - - 675.00 - - - - 1,378.34 - - - 41.89	3.40 - - - 11.50 - - - - - - - 4.00 - - - - - - - - - -	2,210.57 320.50 - 103.71 - 589.65 138.00 - 1,052.40 117.97 - 428.16 - 2,872.63 - 104.77 47.97 58.00 - 117.60	448.71	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 	907.72		296 3 44 3,733 320 1107 6006 (103 3,931 138 64 428 781 9,299 88 100 47 121 212 318 755 130
	Regeneration 11-20 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Oak Woodlnd Prairie Mosaic Pole 21-40 PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Mt Hemlock Woodlnd Prairie Mosaic Closed 41-70 Mt Hemlock PS Douglas Fir Interior Doug Fir Silver Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Interior Doug Fir Sitka Spruce Western Hemlock Oak Woodlnd Prairie Mosaic Complex 71-100 Silver Fir PS Douglas Fir Interior Doug Fir Sitka Spruce Western Hemlock Mt Hemlock	0.50 - - - - - - - 2.57		3.40	2,210.57 320.50 	448.71	279.31 182.30 - 107.00 - 161.32 20.00 - 64.00 - 729.37 338.00 - 5.00	39.32 	907.72		486 2966 3 449 3473 322 111 107 6006 (0 103 303 3,9111 138 64 1,052 376 6 428 7881 109 47 121 212 318 754 130 1111

Allitual	HCP Report to the Services	- FY 2005									
	Activity	Chelan	Columbia	Klickitat	Pla N Puget	anning Unit OESF	S Coast	S Puget	Straits		Totals
Age Class	Oak	-	-	10.00	-	-	-	-	-	- 0.45	10.00
by Zone: Acquired	Central Arid Steppe Ponderosa Pine	_	-	-	-	-	-	-	-	8.15 4.00	8.15 4.00
(Continued)	Sitka Spruce	_	-	-	-	-	91.00	-	-	-	4.00
(Continued)	Functional 150+						01.00				
	Interior Douglas Fir	-	-	42.00	-	-	-	-	-	-	42.00
	Western Hemlock	-	-	-	7.00	-	-	-	-	-	7.00
	Sitka Spruce	-	-	-	-	-	2.00	-	-	-	
	Non-Forest Land										
	Mt Hemlock	-	-	-	505.44	-	-	-	-	-	505.44
	PS Douglas Fir	400.00	-	-	26.20	-	-	329.59	0.75	-	356.54
	Interior Doug Fir Silver Fir	103.00	-	95.20 -	- 72.68	-		-	-	-	198.20 72.68
	Sitka Spruce	_	-	-	72.00	5.26	169.41	-	-	-	174.67
	Western Hemlock	_	77.77	-	808.12	161.62	557.14	215.70	24.80	-	1,845.15
	Oak	-	-	474.80	-	-	-	-	-	-	474.80
	Three-tip Sage	40.00	-	-	-	-	-	-	-	-	40.00
	Central Arid Steppe	120.00	-	-	-	-	-	-	-	18.00	138.00
	Ponderosa Pine	40.00	-	-	-	-	-	-	-	9.00	49.00
	Woodland Prairie Mos.	-	-	-	13.40	-	-	-	-	-	13.40
	Williamette Valley	-	0.20	-	-	-	-	-	-	00.45	0.20
	Total Acres	403.57	5,998.50	1,234.65	12,603.82	3,180.90	4,733.63	10,483.07	1,222.72	39.15	39,900.01
Age class	Open 0-10										
by Zone:	PS Douglas Fir	-		-	(103.84)	-	(39.15)	(222.29)	(2.70)	-	(367.98
Disposed	Silver Fir	-	(169.90)	-	-	(42.21)	-	(191.70)	-	-	(403.81
	Western Hemlock	-	(1,878.95)	-	(521.07)	-	(438.10)	(33.55)	(2.00)	-	(2,873.67
	Mt Hemlock	-	-	-	(56.00)	-	(470.00)	-	-	-	(56.00)
	Cowlitz River Woodland Prairie Mos.	_	-	-	-	-	(178.00) -	- (160.70)	-	-	(178.00) (160.70
	Oak	_	-	(57.85)	-	-	-	(100.70)	-	-	(57.85
	Regeneration 11-20			(07.00)							(07.00)
	PS Douglas Fir	_	-	-	(65.00)	-	-	(189.40)	(2.70)	-	(257.10
	Silver Fir	-	(239.50)	-	(11.88)	-	-	(115.70)	-	-	(367.08
	Sitka Spruce	-	· - ′	-	· - ′	-	(339.00)	· - ´	-	-	(339.00
	Western Hemlock	-	(1,067.72)	-	(128.14)	-	(340.67)	(25.51)	-	-	(1,562.04
	Mt Hemlock	-	-	-	(56.00)	-	-	-	-	-	(56.00)
	Grand Fir	-	-	-	-	-	-	-	-	(177.38)	(177.38
	Pole 21-40								<i>(</i>)		
	PS Douglas Fir	-	(077.00)	-	(93.46)	-	-	(303.20)	(2.60)	-	(399.26
	Silver Fir	-	(277.62)	-	(59.11)	-	(460.20)	(12.10)	-	-	(348.83
	Sitka Spruce Western Hemlock	-	- (1,741.93)	-	- (423.60)	- (207.35)	(169.20) (65.41)	(33.20)	-	-	(169.20) (2,471.49)
	Mt Hemlock	_	(1,741.93)	-	(57.00)	(207.33)	(05.41)	(33.20)	-	-	(57.00
	Cowlitz River	_	(8.00)	-	-	-	(70.00)	-	-	_	(78.00
	WoodInd Prairie Mosaic	-	-	-	-	-	-	(9.00)	-	-	(9.00
	Interior Douglas Fir	-	-	(37.69)	-	-	-	` - ´	-	-	(37.69
	Oak	-	-	(106.15)	-	-	-	-	-	-	(106.15
	Int Western Hemlock	-	-	-	-	-	-	-	-	(63.49)	(63.49
	Closed 41-70										
	Mt Hemlock	-	-	-	(230.00)	-	- (20, 20)	-	(70.00)	-	(230.00
	PS Douglas Fir Silver Fir	-	- (47.02)	-	(83.43)	-	(83.00)	(1,101.49)	(72.00)	-	(1,339.92
	Sitka Spruce	_	(47.82)	-	(450.00) -	-	(596.30)	(33.70)	-	-	(531.52 (596.30
	Western Hemlock	_	(2,762.30)	-	(1,382.46)	(414.03)	(20.00)	(620.30)	(14.80)	_	(5,213.89
	WoodInd Prairie Mosaic	_	(2,702.30)	_	(1,502.40)	(+1+.03)	(20.00)	(352.80)	(40.62)	_	(393.42
	Cowlitz River	_	-	-	-	-	(114.33)	-	-	-	(114.33
	Interior Douglas Fir			(148.57)			, ,				(148.57
	Oak			(330.74)							(330.74
	Grand Fir									(272.55)	(272.55
	Int Western Hemlock									(182.06)	(182.06
	Complex 71-100				(007 17			(00 = ==:			(0.00
	PS Douglas Fir	-	-	-	(366.16)	-	-	(623.28)	-	-	(989.44
	Silver Fir Western Hemlock	-	- (E27.70)	-	(1.70)	(4.40.05)	(22.00)	(006.00)	(26.40)	-	(1.70
	Cowlitz River	_	(537.70) (25.50)	-	(133.30)	(140.95)	(33.00)	(826.92)	(36.40)	-	(1,708.27 (25.50
	Oak	_	(23.30)	(321.38)						-	(321.38
	Interior Douglas Fir			(126.27)							(126.27
	WoodInd Prairie Mosaic			(/	(20.00)						(20.00
	Grand Fir				, ,					(9.40)	(9.40
	Int Western Hemlock									(228.25)	(228.25
	Complex 101-150										
	PS Douglas Fir	-		-	(218.00)	-	-	(46.10)	-	-	(264.10
	Silver Fir	-	(345.50)	-	(1.70)	-	-	(123.70)	-	-	(470.90
	Western Hemlock	-	(403.21)	-	(3.30)	-	-	(187.15)	(16.30)	-	(609.96
	Oak			(22.65)						(4515)	(22.65
	Grand Fir									(151.81)	(151.81
	Functional 150+	_	_	_	_	_	_	(588.00)	_	_	(588.00
			-	-	-	-	-	(300.00)	-	-	
	PS Douglas Fir	_	(121 40)	_	(1 00)	_	_	_	_		(122.40
	Silver Fir	-	(131.49) (37.50)	-	(1.00) (58.00)	-	-	-	-	-	
		-	(131.49) (37.50)	- - (3.95)	(1.00) (58.00)	-	-	-	-		(132.49 (95.50 (3.95

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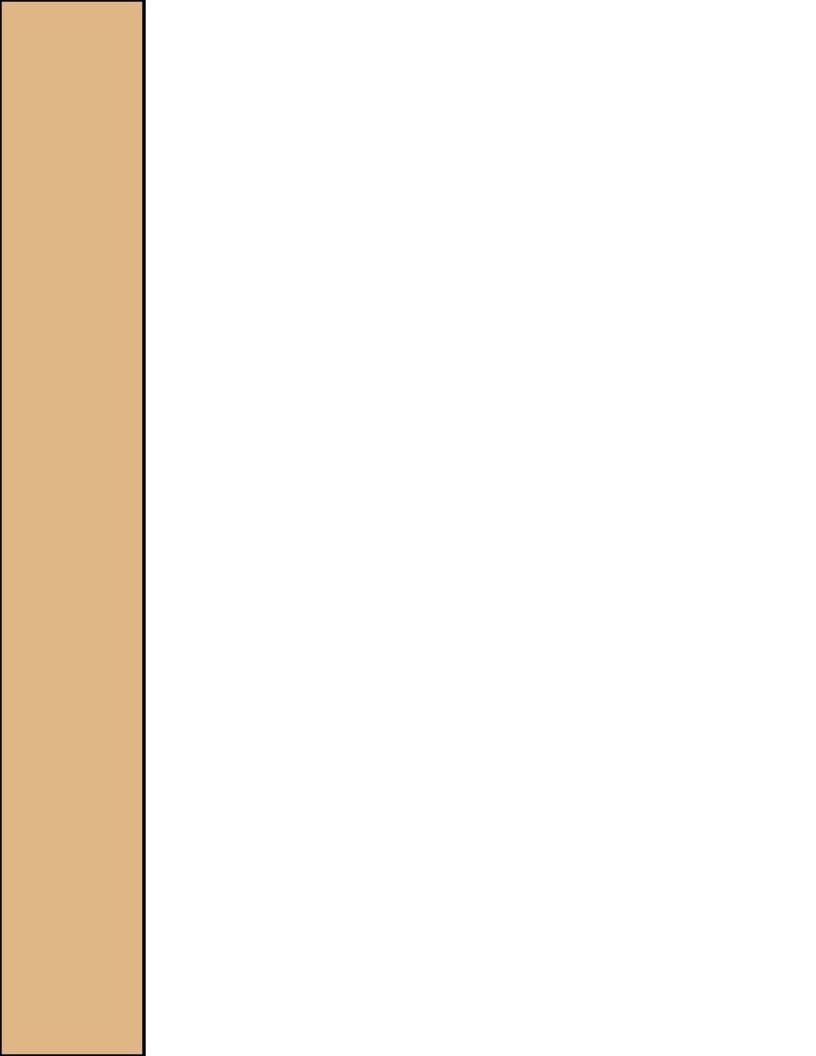
	Activity	Planning Unit									
		Chelan	Columbia	Klickitat	N Puget	OESF	S Coast	S Puget	Straits		Totals
Age Class	Non-Forest Land										
by Zone:	Mt Hemlock	-	-	-	(3.00)	-	-	-	-	-	(3.00)
Disposed	PS Douglas Fir	-	-	-	(156.06)	-	(26.00)	(364.90)	-	-	(546.96)
(Continued)	Silver Fir	-	(38.40)	-	(19.52)	-	-	(11.10)	-	-	(69.02)
	Sitka Spruce	-	-	-	-	(12.00)	(15.50)	-	-	-	(27.50)
	Western Hemlock	-	(550.44)	-	(302.15)	(21.70)	(30.15)	(63.12)	(16.11)	-	(983.67)
	WoodInd Prairie Mosaic	-	-	-	(19.00)	-	-	(38.50)	-	-	(57.50)
	Cowlitz River	-	(6.50)	-	-	-	(48.10)	-	-	-	(54.60)
	Willamette Valley	-	(242.00)	-	-	-	-	-	-	-	(242.00)
	Olympic Doug Fir	-	-	-	-	-	-	-	(0.22)	-	(0.22)
	Central Arid Steppe	(615.00)	-	-	-	-	-	-	-	-	(615.00)
	Ponderosa Pine	(25.00)	-	-	-	-	-	-	-	-	(25.00)
	Oak	-	-	(33.42)	-	-	-	-	-	-	(33.42)
	Grand Fir	-	-	-	-	-	-	-	-	(23.70)	(23.70)
	Int Western Hemlock	-	-	-	-	-	-	-	-	(6.20)	(6.20)
	Total Acres	(640.00)	(10,511.98)	(1,188.67)	(5,054.50)	(838.24)	(2,605.91)	(6,277.41)	(206.45)	(1,114.84)	(28,438.00)

Notes:

¹ An error in "stream miles disposed" has been corrected. In 2004, the type 3 miles under South Puget were listed as 200.16. The correct figure was 2.91 miles.

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7. Monitoring and Research



MONITORING AND RESEARCH

Monitoring is the feedback loop providing information for decisions in the adaptive management process. The department focuses on research and monitoring to identify and eliminate the information barriers to full HCP implementation and improve the ability to meet management goals through adaptive management.

DNR's HCP Science Section provides both a centralized approach to research and monitoring and a systematic, consistent process for reporting research and monitoring results. Sound application of silvicultural and ecological knowledge, creative ideas, and reliable data are needed to develop innovative forest management practices capable of achieving the financial and ecological objectives of the state trust lands HCP. Since the HCP was adopted, there have been advances in terms of understanding the biology of spotted owls, marbled murrelets, and other listed and unlisted species. However, much remains to be learned, and new systems and techniques continue to be developed and tested. Additional reliable information that is applicable to management decisions can be obtained only through well planned and well executed monitoring and research. Balancing the need to make good statistical inferences with the need to gather and assess information on 1.6 million acres of HCP landscapes is an enormous challenge.

A system consisting of three types of monitoring – implementation, effectiveness, and validation – has become a common organizational framework for monitoring programs in forest management.

- **Implementation monitoring**, also known as compliance monitoring, determines whether or not a management plan (e.g., a HCP) is implemented properly on the ground.
- **Effectiveness monitoring** determines whether or not the management plan is producing the desired habitat conditions.
- Validation monitoring determines whether or not certain species respond to the
 desired habitat conditions as anticipated. Research supports the completion of
 conservation strategies, tests promising alternatives to current practices, and
 contributes to the ecological foundation of management practices.

IMPLEMENTATION MONITORING

In 2005, compliance monitoring reviews were conducted in all Westside planning units and the Klickitat Planning Unit. DNR's implementation monitoring protocol calls for review of different conservation strategies or components each year. In 2005, two elements of the HCP were selected for review: hydrologic maturity in the rain on snow zone (rain on snow) and the northern spotted owl (both the existing strategy and the amended strategy, which is applicable only in the Klickitat Planning Unit). Compliance with the rain on snow and the spotted owl strategy outside of the Klickitat was determined through an office review using information in the timber sale jackets, Planning and Tracking (P&T) database, and DNR's GIS system. In the Klickitat Planning Unit, the northern spotted owl strategy was field reviewed. The data from this review is provided in a separate report.

EFFECTIVENESS MONITORING, VALIDATION MONITORING, AND RESEARCH

The following briefly summarizes current DNR efforts in effectiveness monitoring, validation monitoring, and research. Only those projects that had significant developments in the reporting period are discussed. Other ongoing projects that receive annual maintenance or measurement include: Windthrow in Riparian Areas; Type 5 Stream Literature Review; the Functional Role of Down Woody Debris and Long-term Ecosystem Productivity; Modeling of the Long-term Risk of Northern Spotted Owl Habitat Loss on the Eastside; Baseline Spotted Owl Validation Monitoring in the OESF; Variation In Marbled Murrelet Activity Using Old-Growth Stands on The OESF; Riparian Silviculture Modeling; and Managing Young Stand Composition and Structure for Forest Productivity and Biodiversity.

Riparian Conservation Strategy

The objectives of riparian monitoring and research are to:

- increase confidence in DNR's ability to integrate biodiversity type thinning in management of riparian areas;
- help promote acceleration of the development of older stand conditions in riparian areas:
- help develop new guidelines for assessing wind throw risk and determining the need for wind buffers: and
- support the development of the Type 5 stream conservation strategy.

In addition, this work supports the adaptive management goals of the riparian conservation strategy, such as reexamination of watershed condition and changes in aquatic habitat quality. Information from this monitoring will increase DNR's ability to understand the influence of land management on aquatic habitat conditions and effectively implement the conservation strategies to reach the goals of the HCP.

Significant progress was made on three research components that will supply information for the development of the pending Type 5 stream long-term conservation strategy, as well as several other projects.

1. Small Stream Buffer Experimentation

Since 1999, DNR, in cooperation with the USFS Pacific Northwest Forestry Sciences Laboratory, Washington's Department of Ecology, and the University of Washington, has conducted a research project to determine the possible influence of different buffer configurations on first order streams in Western Washington. That research is now yielding results about the heterogeneity of stream conditions, trophic connections with downstream systems and landscape influences. This year, additional cooperators from the Evergreen State College in Washington and The University of California at Davis were included.

The study design imposes a range of buffer configurations around headwater streams. See http://www.dnr.wa.gov/hcp/type5/overview.html. The results of this study have been prepared for presentation at scientific meetings in 2005, and will help support the development of a long-term conservation strategy for Type 5 streams on DNR-managed state lands in Western Washington.

Project Activities:

- Treatments have been completed at nine locations in DNR's Pacific Cascade Region.
- One-year post treatment measurement is complete.
- Preliminary results were presented at eight scientific meetings throughout the Pacific Northwest.
- A manuscript and six poster abstracts have been presented at meetings in 2005.
- Approximately 113 staff months were expended on the project this year between the five major cooperators.
- A master's thesis was completed addressing the export of nutrients in stream flows from headwater streams monitored on state lands.

2. Updating of the DNR Type 5 Literature Review

In support of the long-term conservation strategy, a literature review for Type 5 streams was previously posted. In 2004, the literature review was updated and its accompanying website redesigned. This literature review focuses on the effect Type 5 streams have on wildlife habitat and downstream system trophic relationships, their interactions with the upland environment, and their functions. Special emphasis is given to management options and protection.

Project Activities:

 The updated and redesigned site is available at http://www.dnr.wa.gov/hcp/type5/default.html

3. Retrospective Analysis of Interim Protection of Type 5 Streams

In 2004, DNR initiated a study designed to quantify how the interim Type 5 steam protection measures have been interpreted in the field. Using GIS analysis linked with existing department databases, DNR determined the population of forest stands that were clear cut harvested since Jan 1, 1999 on lands covered by the HCP. That population was stratified by EPA Ecozone, and linear stream distance was determined for streams by class for each harvest unit. Where LIDAR data exists, expected headwater streams were also modeled. Finally, DNR developed in-house capability to map riparian buffer areas using existing aerial photographs.

Project Activities:

- Field testing of protocols to validate stream reach classification by assessing gradient and length of each reach was conducted in 2004.
- Field measurements will be conducted beginning in late 2005.

4. Pacific Northwest Forested Wetland Literature Survey Synthesis Paper

The HCP directs the Type 5 stream conservation strategy to also address wetlands that are under one quarter acre in size. This review and synthesis contains scientific information relevant to forested wetland functions in the Pacific Northwest with emphasis on the interaction of forest management activities and forest wetland functions. DNR limited its coverage of riparian areas, as that information will be addressed by the Forest and Fish Cooperative Monitoring, Evaluation and Research (CMER) committee, Riparian Science Advisory Group (RSAG). A companion annotated bibliography has been produced that includes references utilized in this paper and related supporting documents.

Project Activities:

 This report is complete and available at http://www.dnr.wa.gov/hcp/research/index.html

5. Effectiveness Monitoring of the Riparian Forest Restoration Strategy

Implementation of active monitoring of silviculture treatment alternatives for riparian areas continued in FY 2005. Two active adaptive management installations were completed in the OESF (H1320 and Salmon PC) and two more were initiated in the Cascades. The new sites replicate the RD (relative density) 40 and RD 50 treatments used in the OESF in new forest stand types. Harvest of these two new sites is anticipated in the spring of 2006.

6. Effectiveness Monitoring of the Riparian Instream Conditions and Trends

As part of the ongoing cooperative stream condition monitoring, a report titled "Summer Stream Temperatures in the Olympic Experimental State Forest, Washington" was completed in 2004. Most of the monitored streams were in the Olympic Experimental State Forest Planning Unit. Because a major HCP riparian conservation goal is to return streams to a natural condition, some natural streams within the adjacent Olympic National Park also were monitored in order to compare them with OESF streams.

The report summarizes the last two years of monitoring and provides insight into the rate of change of stream temperatures affected by past clear cutting and other site factors that confound the interpretation of stream temperature data. Basin characteristics most strongly correlated with increases in the average daily maximum stream temperature (ADMX) were the percentage of the forest in the basin that had been harvested, the percentage of riparian forest harvested, and the size of the basin. Riparian forest harvest was the single best predictor of variations in the ADMX (followed closely by total basin harvest), while riparian forest harvest and basin size together explain 53 percent of the variation in ADMX.

Project Activities:

- Summer stream temperatures were monitored in 49 forested watersheds on the western Olympic Peninsula.
- The full report can be found on the HCP research website at http://www.dnr.wa.gov/hcp/research/index.html

7. Water Quality Monitoring on Mill and Abernathy Creeks

A phased riparian effectiveness monitoring pilot project was initiated in early 2005, with Washington's Department of Ecology as a partner. Two water quality stations were installed in WRIA No. 25. The Abernathy Creek station is located near the south section line of Section 9, T9NR4W; the Mill Creek station is located near the end of road E-2902 in Section 32 T9NR4W.

Estimation of stream flow requires that measurements across a wide range of flows be taken and then correlated with stage-height. It generally takes a year to collect enough stream flow data, especially at higher flows, to build the statistical model used to estimate a continuous flow record. When this model is complete, stream flow data will be available at https://fortress.wa.gov/ecy/wrx/wrx/flows/station.asp?sta=25E100

Project Activities:

- Phase I of the Scope of Work water quality sampling began in January 2005.
 Data are considered preliminary until published in the annual water year report available at
 - http://www.ecy.wa.gov/apps/watersheds/riv/station.asp?theyear=&tab=prelim_da ta&scrolly=0&wria=25&sta=25E100
- Phase II, Flow and Water Quality (continuous turbidity measurements), began in April 2005 with the installation of the stage-height recorders. Installation of the continuous turbidity sensors was delayed while several models were evaluated. The flow database that houses the turbidity data was also modified during this time. Installation of the turbidity sensors will be completed in fall 2005.

Northern Spotted Owl Conservation Strategy

The objective of this monitoring and research is to increase confidence in the department's ability to integrate biodiversity type thinning into the timber sales program and help understand its role in meeting habitat goals. In addition, this work supports the adaptive management goals of the HCP northern spotted owl conservation strategy, such as examination of the ecology of down wood levels targeted for different types of habitat.

1. Owl Surveys in Columbia and South Coast Planning Units

Duration of the project:

March 2005-February 2007

Project goals:

- 1. Collect recent data on northern spotted owl occupancy and site status in Nesting, Roosting and Foraging (NRF) management areas on DNR-managed land in the Columbia Planning Unit, and all known Status 1-3 spotted owl sites centers in the Western Washington lowlands (west of the I-5 corridor and south of Highway 12/8).
- 2. Delineate areas for long-term NSO validation monitoring as part of the HCP northern spotted owl conservation strategy.

Survey area (Fig.7.1):

1. Siouxon NRF management area

Area of the NRF designated block – approximately 46 square miles Number of known NSO sites Status 1 through 4: **11** (WDFW 2005)

2. Columbia NRF management area

Area of the NRF designated block – approximately 33 square miles Number of known NSO sites Status 1 through 4: **10** (WDFW 2005)

3. Western Washington lowlands

Only DNR-managed land within the 2.7-mile buffers around the site centers will be surveyed. Total number of NSO sites Status 1 through 3 that have their site centers on DNR-managed land or contain a considerable amount of DNR land: 8 (WDFW 2005).

Survey methods:

A total of **29** NSO site centers will be surveyed for two years (2005 and 2006) following the federal protocol (Lint et al 1999). The Siouxon and Columbia NRF management areas are subject to complete survey coverage. In Western Washington lowlands, only the DNR-managed land within 2.7-mile buffers of the known site centers Status 1 to 3 will be surveyed.

National Council for Air and Stream Improvement (NCASI) was contracted to conduct the surveys.

Project Activities in 2005:

- The field surveys started in late April 2005 instead of March due to the rainy weather and logistical problems. The 2005 surveys ended on September 30, 2005. Due to the late start of the surveys, the coverage of Siouxon and Columbia NRF management areas was limited to 1.5 miles around the center of the known sites.
- Spotted owl presence was confirmed in three sites Mount Mitchell (site #1196) and Huffman Peak (site #792) in Siouxon, and Blue Mountain (site #645) in southwest Washington. All three sites have pairs. No reproduction was detected at any of the sites in the 2005 season.
- The Blue Mountain site was confirmed to be separate from the Pioneer Creek site on Weyerhaeuser land.
- Barred owls were detected at 70 different locations in the three landscapes.
 Some of these are probably detections of the same bird within one site. The contractor is currently cleaning up the duplications. The full report of the 2005 field season and all the field forms will be available by December 2005.

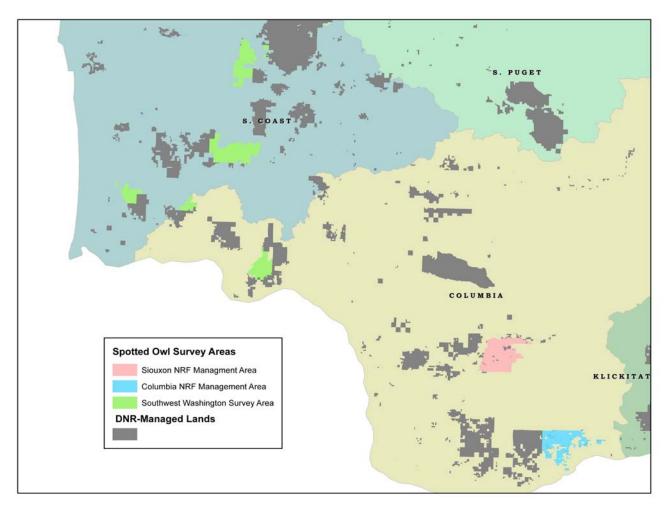


Figure 7.1. Northern spotted owl survey areas in South Coast and Columbia Planning Units.

2. Baseline Spotted Owl Validation Monitoring in Southeast Region

In 2001, DNR contracted with NCASI to monitor northern spotted owl occupancy at 20 owl sites in the Klickitat and Yakima Planning Units. The protocol requires six visits of each site between March and September.

Project Activities:

• 2004 and 2005 field surveys of all owl site centers were conducted by NCASI and the data were filed in DNR's database. Results for all years of data collection are presented in Figure 7.2.

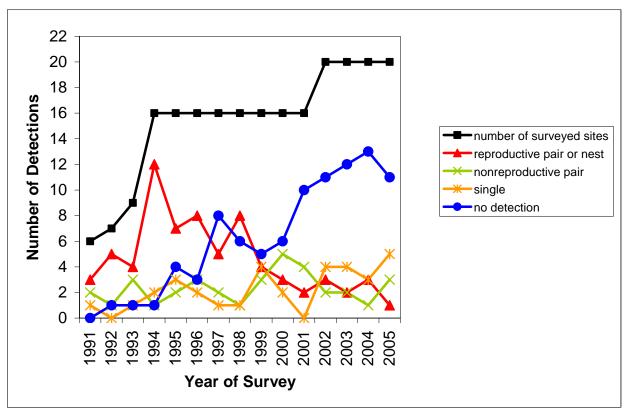


Figure 7.2. Results of spotted owl monitoring in Klickitat and Yakima Planning Units from 1991-2005.

3. Effectiveness Monitoring of Northern Spotted Owl Habitat at Stand Level - Cougarilla Timber Sale, South Puget Planning Unit

The goal of this project is to determine whether implementation of specific silvicultural activities results in habitat conditions anticipated by the HCP. The monitored silvicultural prescription is variable density thinning in spotted owl dispersal habitat. The target habitat condition is sub-mature NRF habitat. The realization that the existing HCP definition of dispersal habitat (DNR 1997, p.IV.12) does not meet the ecological requirements of the species during dispersal prompted DNR to target more complex habitat conditions i.e. sub-mature NRF. The Cougarilla timber sale is DNR's first attempt to apply this approach in stands that meet the current definition of dispersal habitat.

This project involves passive monitoring based on a comparison of the stand characteristics before and after treatment, and of subsequent habitat development (field protocol developed by Wilhere and Bigley 2001).

Project Activities in 2005:

- Pre-harvest measurements in all sampling areas (three treatment areas and a control) were conducted June-October 2005.
- Post-harvest measurements are scheduled for the summer of 2006.

4. Update and Maintenance of DNR Corporate GIS Layers Containing Northern Spotted Owl Data

Nine DNR GIS data layers that contain information on the northern spotted owl are currently stewarded by the HCP/Science section. These layers are used to plan management and monitoring activities within NRF and Dispersal Management Areas and the owl circles as well as to provide information and/or data upon requests from DNR staff or outside parties. The work on the update and standardization of these layers began in June 2004.

Project Activities:

- Six of the nine data layers have been updated and brought up to standard for DNR corporate data. They are currently available in DNR's corporate database.
- The remaining three layers are in the process of being updated.

Marbled Murrelet Conservation Strategy

The objective of this research is to support the development of the marbled murrelet long-term conservation strategy and future monitoring. The primary focus of funding in FY 2005 has been to document murrelet flight activity over inland forests (stand surveys). A portion of the available funding was used to research site selection and confirmed breeding of murrelets in the OESF.

1. Population Ecology of Marbled Murrelets

While extensive inland surveys have been conducted to document marbled murrelet activity (occupancy status) of forest stands, very little work has been done on murrelet demography. Information on specific nest sites and the way murrelets utilize the forested landscape will be invaluable in implementing and monitoring the department's long-term murrelet conservation strategy. This project also will reduce the reliance on demographic data from the central British Columbia coast, where habitats are considerably different. This project uses radiotelemetry to locate active murrelet nests and conduct detailed research on the survival, nest success, flight behavior, and genetic makeup of murrelets found in Washington marine waters. Success continues to build from the first full year of implementation in 2004, when 28 birds were captured in 32 nights.

Project Activities:

- In 2005, crews were on the water for 21 nights (April 28-June 10) searching for marbled murrelets in Hood Canal and the Strait of Juan de Fuca. Forty-one birds were captured, measured, banded, and had blood drawn for genetic testing.
- Radio transmitters were placed on 40 marbled murrelets. Birds were tracked via radiotelemetry from April 29 to Sept 4. Daily locations were obtained for most birds, using fixed-wing aircraft (86 days of flight totaling approximately 448 hours).

- Results showed widespread movement during the breeding season: i.e., birds
 captured on the outer coast flew to the San Juan Islands and back. Many of the
 birds foraged along the southern coast of Vancouver Island. Daily one-way flights
 from nest to foraging areas ranged up to 60 miles.
- Broadcast from transmitters lasted an average of 57 days.
- DNR confirmed eight nests in 2005: four in Olympic National Park, two in Olympic National Forest, and two on Vancouver Island. In 2004, we had only three nests, all in Olympic National Park.
- Of the eight nests, seven failed (four in the egg stage; three in the chick stage) and one successfully fledged.
- Results will be presented at the next Pacific Sea Bird Conference.

MARBLED MURRELET LONG-TERM CONSERVATION STRATEGY UPDATE

Long-term Conservation Strategy

Long-term conservation planning is nearing completion in the Columbia, South Coast, Straits, and OESF Planning Units. In the last year, the Science Team developing the strategy has made significant progress towards identifying landscapes that are priorities for marbled murrelet conservation, forest habitat conditions that will be important for the development of future habitat, and landscape scenarios that will help evaluate predation risks to murrelet nests. A draft strategy is planned for competition in February of 2006. DNR managers will need to be informed of the report's findings and the marbled murrelet long-term conservation strategy will need to be acceptable to both the DNR and the USFWS. Once both parties agree upon a strategy, the NEPA/SEPA (National/State Environmental Policy Act) process will be initiated.

Inventory Surveys

The South Puget Planning Unit (SPPU) is still implementing step #1 as described in the HCP's interim conservation strategy, "DNR shall identify and defer harvest of any part of a suitable habitat block" (DNR 1997, p. IV.39). In early 2006, DNR expects to begin exploring options with the USFWS that will result in marbled murrelet habitat identification processes in the SPPU.

DNR, USFWS and WDFW have been working closely to develop improved survey habitat identification methods in the North Puget Planning Unit (NPPU). A plan to more accurately identify habitat and related methodologies is near completion. DNR anticipates that these improved methodologies will be finalized and presented (along with appropriate documentation) at the HCP annual meeting in December 2006.

Inventory surveys in the NPPU are moving forward on schedule. In 2005, a total of 226 surveys of 47 sites (Fig. 7.3) were successfully completed.

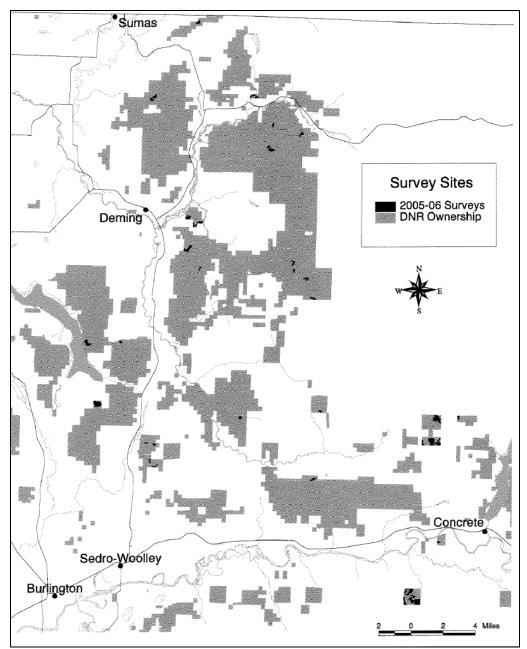


Figure 7.3. Map of the marbled murrelet survey area, including Skagit and Deming survey areas (from 1999 DeLorme Yarmouth, ME).

Survey Methods

All marbled murrelet surveys were performed in accordance with the 2003 Pacific Seabird Group (PSG) protocol. Each site in NPPU was visited at least five times (unless occupancy was determined with fewer visits) during the course of the marbled murrelet season (May 1 - August 5). Ideally, one of these visits occurred during the peak time for murrelet activity (July 11-17). If the presence of a murrelet was detected, a total of nine visits were completed for the season, unless an occupancy behavior was detected in fewer visits. Survey visits began 45 minutes before sunrise and continued for at least 75 minutes after sunrise (longer if there was a detection or bad weather late in the survey).

Some stations were located directly on streams for better visibility. However, the noise from the stream flow often impaired audibility, so another "tandem station" was placed nearby where audibility was unimpaired. Two people simultaneously surveyed such stations: one in audio range, one in visual range.

The parameters for deciding whether a survey met protocol were: having effective visibility to 2.0 canopies, 100 meters horizontal visibility and audio capability to hear murrelets to 200 meters. If the ability to meet these parameters was impeded for more than 12 minutes of the 120 minute survey period, then the visit was determined a non-protocol survey and the site was visited again within the next few days.

Quality control of survey techniques, station placement and data were carried out to ensure project and protocol compliance. DNR biologists accompanied the field personnel on surveys, assisted with station placement, and field checked randomly selected stations to ensure project and protocol compliance. Both the field technician and the project supervisor reviewed the data before submitting it to DNR.

Results

Hamer Environmental successfully met protocol requirements for all survey sites in the North Puget 2005 Marbled Murrelet Inventory. A total of 226 protocol survey visits to the 47 survey sites were completed for the 2005 marbled murrelet season, providing information on the:

- date a station was surveyed;
- number of detections with a breakdown of the number of visual, auditory and significant detections and;
- final site status (Table 7.1).

Table 7.1. Number and proportion of sites with absence, presence and occupancy by marbled murrelets in the North Puget Planning Unit in 2005.

Area	Number of	Sites with	Sites with presence	Sites with
	sites	absence	detections	occupancy
Deming	30	30 (100%)	0 (0%)	0 (0%)
Skagit	17	12 (70.6%)	1 (5.9%)	4 (23.5%)
All sites	47	42 (89.4%)	1 (2.1%)	4 (8.5%)

Surveys with detections were also charted on a weekly basis (Fig. 7.4). All five detections were visuals where murrelets were seen between 0.8 and 1.3 canopy heights.

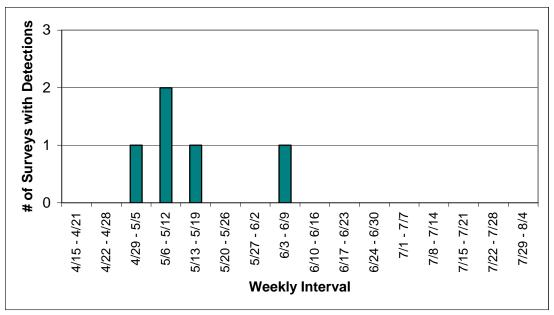


Figure 7.4. Number of surveys with marbled murrelet detections per weekly interval in the North Puget Planning Unit in 2005.

Conclusion

The 2005 season of DNR's North Puget Planning Unit marbled murrelet surveys came to a successful conclusion, with four occupied sites. The second year (2006) survey visits will determine presence, probable absence, and occupancy in the remaining sites. A detailed summary of each survey site is available upon request.

Summary of Murrelet Survey Results 2001-2005

Five seasons of inventory surveys have been completed in the North Puget Planning Unit. At this point, some initial perspective can be drawn from these efforts.

Consistent with the general approach for the Westside HCP planning units, a habitat model for the NPPU was developed from a habitat-relationship study. This model designated 27,780 acres of "reclassified habitat" (expected to contain at least 95 percent of occupied sites) and 82,437 acres of "marginal habitat" (expected to contain not more than 5 percent of occupied sites), out of a total 453,723 acres (HCP lands and state Natural Resource Conservation Areas and Natural Area Preserves) evaluated by the model.

Due to concerns that the reclassified model did not capture enough of the suitable habitat, subsequent efforts were made to identify additional areas of suitable habitat. The "reclassified-plus" screens added 6,209 acres, while a compilation of "other" habitat areas based on field knowledge identified 6,263 additional acres. In total, these sources have identified around 40,000 acres of habitat in the NPPU. (NOTE: this represents acreage of *potential* habitat; field verification (delineation) to date has found at least half of the acreage to be unsuitable, and thus available for immediate release for forest management activities.)

As of the end of the 2005 season, DNR inventory surveys have yielded 22 occupied sites, of which 13 were identified by the reclassified model, and nine by the "plus" and "other" sources (Table 7.2). A substantial proportion of our survey effort in "plus" (22 percent), and particularly in

"other" (68 percent) habitat, is currently ongoing, so the proportion of occupancy for these sources may be underrepresented.

Table 7.2. Current murrelet survey status by habitat source.

Year Initiated	Source	# Sites	# Occupied	% Occupied
2001	Reclassified	113	11	
2002	Plus	10	0	
2003	Other	1	1	
	Reclassified	3	0	
2004	Plus	47	5	
	Other	11	1	
	Reclassified	2	2	
2005*	Plus	19	2	
	Other	26	0	
	Reclassified	118	13	11
TOTAL	Plus	76	7	9
2001-2005	Other	38	2	5
	OVERALL	232	22	9

^{*}In-progress; will be completed in 2006

These preliminary data are useful for several reasons. First, it appears that concerns with the original (reclassified) modeling effort were well founded. While expected to capture at least 95 percent of occupied sites, at this point in our inventory process the reclassified habitat contains less than 60 percent of the occupied sites found. Second, subsequently (to the reclassified model) identified areas of potentially suitable habitat and occupied sites have largely been within the "marginal" areas of the reclassified model. Specifically, of the roughly 12,500 acres of potentially suitable habitat identified beyond (and independently of) the reclassified model, about 94 percent fall within the mapped "marginal" areas. Also, of the occupied sites outside of reclassified habitat, 89 percent fall within the marginal areas. Should this pattern continue – that the great majority of potential habitat and occupied sites are being captured by the reclassified + marginal areas - then this might be a useful means to anticipate where additional areas of habitat/occupancy are likely to be found.

2006 Survey Season

Northwest Region staff will initiate a contract to complete the field delineation work in the NPPU for potential habitat below 3000 feet in elevation. In 2006, DNR, WDFW and USFWS will need to address survey protocol methodologies in the remaining potential habitat in areas above 3000 feet and how to sample habitat within Natural Area Preserves and Natural Resource Conservation Areas. It is expected that all surveys will be completed in the North Puget Planning Unit by 2008.

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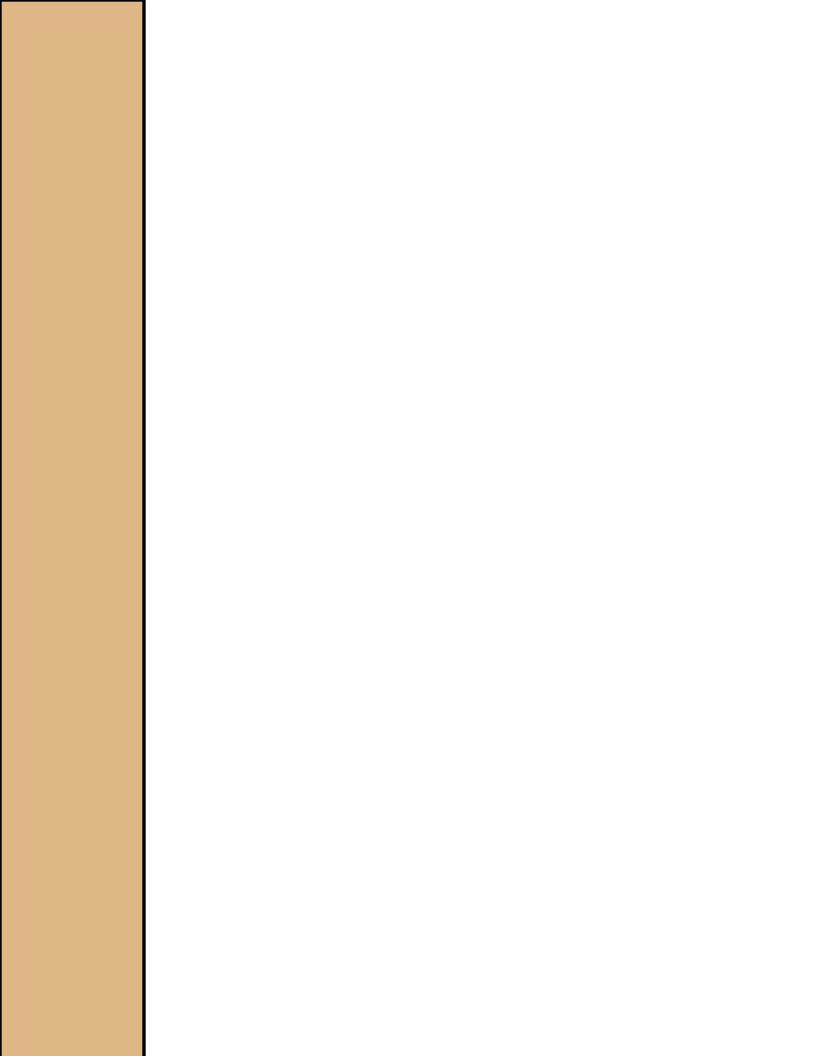
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APPENDIX A. SILVICULTURAL ACTIVITIES



SILVICULTURAL ACTIVITIES

Table A.1 details silvicultural activities that took place in each HCP planning unit in fiscal year 2005. It is derived from DNR's Forest Management Planning and Tracking (P&T) database, and includes all activities reported as completed during the reporting period. The type of activity, number of acres impacted, legal location (township, range, and section), and Forest Practices Application (FPA) number are included. Not all activities require an FPA, so these numbers are only listed where applicable.

The data in this appendix are summarized in the tables in the Silvicultural Management Activities section of this report.

Table A.1. Silvicultural management activity detail by planning unit.

Columbia Planni			
Silvicultural Activity		Location	FPA #
Timber Harvest - Clear cut		T02N R03E S11	2904677
Timber Harvest - Clear cut		T02N R03E S11	2904677
Timber Harvest - Clear cut		T02N R03E S11	2904677
Timber Harvest - Clear cut		T03N R03E S16	2904098
Timber Harvest - Clear cut	23	T03N R03E S16	2904098
Timber Harvest - Clear cut		T03N R03E S16	2904098
Timber Harvest - Clear cut		T03N R03E S16	2904098
Timber Harvest - Clear cut		T03N R04E S09	2903974
Timber Harvest - Clear cut	14	T03N R04E S10	2903974
Timber Harvest - Clear cut	44	T03N R04E S10	2903974
Timber Harvest - Clear cut	44	T03N R04E S16	2903974
Timber Harvest - Clear cut	37	T03N R04E S17	2903974
Timber Harvest - Clear cut	1	T03N R04E S17	2903974
Timber Harvest - Clear cut	96	T03N R04E S21	2904416
Timber Harvest - Clear cut		T03N R04E S21	2904416
Timber Harvest - Clear cut		T04N R03E S14	2904678
Timber Harvest - Clear cut		T04N R03E S15	2904678
Timber Harvest - Clear cut		T04N R03E S15	2904678
Timber Harvest - Clear cut		T04N R03E S15	2904678
Timber Harvest - Clear cut		T04N R03E S22	2904678
Timber Harvest - Clear cut		T04N R04E S31	2904888
Timber Harvest - Clear cut		T06N R02E S29	2904812
Timber Harvest - Clear cut		T06N R02E S30	2904812
Timber Harvest - Clear cut		T06N R03E S06	2904656
Timber Harvest - Clear cut		T06N R03E S08	2904656
Timber Harvest - Clear cut		T06N R03E S11	2903767
Timber Harvest - Clear cut		T06N R03E S16	2905108
Timber Harvest - Clear cut		T06N R03E S28	2904868
Timber Harvest - Clear cut		T06N R03E S32	2904868
Timber Harvest - Clear cut		T06N R03E S32	2904868
Timber Harvest - Clear cut		T06N R04E S24	2905014
Timber Harvest - Clear cut		T06N R04E S25	2905014
Timber Harvest - Clear cut		T08N R05W S01	2905170
Timber Harvest - Clear cut		T08N R05W S16	2904418
Timber Harvest - Clear cut		T08N R05W S16	2904418
Timber Harvest - Clear cut	8	T08N R05W S16	2904418
Timber Harvest - Clear cut		T09N R04W S30	2904725
Timber Harvest - Clear cut	63	T09N R04W S30	2904725
Timber Harvest - Clear cut		T09N R05W S25	2905027
Timber Harvest - Clear cut		T09N R05W S27	2905087
Timber Harvest - Clear cut		T10N R02W S07	2910395
Timber Harvest - Clear cut		T10N R04W S32	2904085
Timber Harvest - Clear cut		T10N R08W S02	2512172
Timber Harvest - Clear cut		T10N R08W S02	2512172
Timber Harvest - Clear cut		T11N R07W S20	2506948
Timber Harvest - Clear cut		T12N R03W S36	2511534
Timber Harvest - Clear cut		T12N R03W S36	2511534
Timber Harvest - Clear cut		T12N R08E S20	2511821
Timber Harvest - Late rotation thinning		T06N R02E S16	2905114
Timber Harvest - Late rotation thinning		T06N R02E S16	2905114

Columbia Plannin	g Unit		
Silvicultural Activity		Location	FPA#
Timber Harvest - Late rotation thinning		T06N R02E S17	2904451
Timber Harvest - Late rotation thinning		T06N R02E S17	2905114
Timber Harvest - Late rotation thinning		T06N R02E S18	2904451
Timber Harvest - Late rotation thinning	37	T06N R02E S18	2904451
Timber Harvest - Late rotation thinning		T06N R02E S18	2904451
Timber Harvest - Late rotation thinning	9	T06N R02E S18	2904451
Timber Harvest - Late rotation thinning	153	T09N R05W S14	2903851
Timber Harvest - Late rotation thinning		T09N R05W S14	2904453
Timber Harvest - Late rotation thinning	60	T09N R05W S23	2904453
Timber Harvest - Late rotation thinning	38	T09N R05W S23	2904453
Timber Harvest - Late rotation thinning		T09N R05W S27	2905087
Timber Harvest - Late rotation thinning		T09N R05W S27	2905087
Timber Harvest - Late rotation thinning		T10N R04W S29	2904085
Timber Harvest - Late rotation thinning		T10N R04W S29	2904085
Timber Harvest - Late rotation thinning		T10N R04W S29	2904085
Timber Harvest - Late rotation thinning		T10N R04W S32	2904085
Timber Harvest - Late rotation thinning		T10N R04W S32	2904085
Timber Harvest - Late rotation thinning	21	T10N R04W S32	2904085
Timber Harvest - Seed tree intermediate cut		T03N R07E S01	2903467
Timber Harvest - Seed tree intermediate cut	2	T03N R07E S01	2903467
Timber Harvest - Selective product logging	65	T03N R04E S17	2903240
Timber Harvest - Selective product logging	94	T03N R04E S19	2903240
Timber Harvest - Selective product logging		T03N R04E S20	2903240
Timber Harvest - Selective product logging		T06N R03E S02	2903767
Timber Harvest - Smallwood thinning	256	T07N R05E S33	2903265
Timber Harvest - Smallwood thinning	5	T08N R04W S04	2904879
Timber Harvest - Smallwood thinning	9	T08N R04W S40	2904879
Timber Harvest - Smallwood thinning	13	T08N R05W S01	2904879
Timber Harvest - Smallwood thinning	47	T08N R05W S01	2904879
Timber Harvest - Smallwood thinning		T08N R05W S01	2904879
Timber Harvest - Smallwood thinning		T08N R05W S03	2904879
Timber Harvest - Smallwood thinning		T08N R05W S16	2904879
Timber Harvest - Smallwood thinning	63	T09N R03E S28	2904065
Timber Harvest - Smallwood thinning		T09N R03E S28	2904065
Timber Harvest - Smallwood thinning	113	T09N R03E S29	2904065
Timber Harvest - Smallwood thinning	7	T09N R03E S29	2904065
Timber Harvest - Smallwood thinning	9	T09N R03E S29	2904065
Timber Harvest - Smallwood thinning	24	T09N R04W S33	2904879
Timber Harvest - Smallwood thinning		T09N R04W S33	2904879
Timber Harvest - Smallwood thinning	10	T09N R04W S33	2904879
Timber Harvest - Variable density thinning	12	T03N R07E S01	2903467
Timber Harvest - Variable density thinning		T03N R07E S01	2903467
Timber Harvest - Variable density thinning	99	T03N R07E S01	2903467
Timber Harvest - Variable density thinning		T03N R07E S02	2903467
Timber Harvest - Variable density thinning		T03N R07E S02	2903467
Timber Harvest - Variable density thinning		T03N R07E S10	2903768
Timber Harvest - Variable density thinning	24	T03N R07E S15	2903768
Timber Harvest - Variable density thinning	12	T03N R07E S21	2903768
Timber Harvest - Variable density thinning	14	T03N R07E S21	2903768
Timber Harvest - Variable density thinning	3	T03N R07E S21	2903768

Timber Harvest - Variable density thinning 7 T06N R04E S26 29	# 03768
Timber Harvest - Variable density thinning95 T03N R07E S2129Timber Harvest - Variable density thinning7 T06N R04E S2629	03768
Timber Harvest - Variable density thinning 7 T06N R04E S26 29	
Timber Harvest - Variable density thinning 24 TOSN DOJE S29 20	05014
THINDEL HALVEST - VAHADIE UCHSILY HIHIHING 34 100N RU4E 328 29	05014
Timber Harvest - Variable density thinning 42 T06N R04E S33 29	05014
Timber Harvest - Variable density thinning 47 T06N R05E S30 29	04482
Timber Harvest - Variable density thinning 16 T06N R05E S31 29	04482
Forest site preparation - Aerial herbicide 70 T06N R01E S36 29	05322
Forest site preparation - Aerial herbicide 55 T06N R02E S16 29	05322
Forest site preparation - Aerial herbicide 55 T06N R02E S16 29	05322
Forest site preparation - Aerial herbicide 8 T06N R02E S25 29	05322
Forest site preparation - Aerial herbicide 80 T06N R02E S28 29	05322
Forest site preparation - Aerial herbicide 55 T06N R03E S06 29	05322
Forest site preparation - Aerial herbicide 70 T06N R03E S10 29	05322
Forest site preparation - Aerial herbicide 72 T06N R03E S30 29	05322
Forest site preparation - Aerial herbicide 90 T08N R05W S12 29	05322
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Forest site preparation - Ground herbicide 72 T03N R03E S26	
Forest site preparation - Ground mechanical 25 T06N R03E S16	
Forest site preparation - Pile and burn 15 T11N R02E S24	
Forest site preparation - Pile and burn 1 T11N R03E S13	
Forest site preparation - Pile and burn 3 T11N R03E S15	
Forest site preparation - Pile and burn 25 T12N R03W S24	
Forest site preparation - Pile and burn 10 T12N R03W S24	
Forest site preparation - Pile and burn 2 T12N R03W S36	
Forest site preparation - Pile and burn 8 T12N R03W S36	
Forest regeneration - Hand planting 5 T03N R03E S16	
Forest regeneration - Hand planting 17 T03N R03E S16	
Forest regeneration - Hand planting 23 T03N R03E S16	
Forest regeneration - Hand planting 49 T03N R03E S16	
Forest regeneration - Hand planting 90 T03N R03E S25	
Forest regeneration - Hand planting 80 T03N R03E S26	
Forest regeneration - Hand planting 5 T03N R04E S18	
Forest regeneration - Hand planting 5 T03N R04E S19	
Forest regeneration - Hand planting 2 T03N R07E S01	
Forest regeneration - Hand planting 6 T03N R07E S01	
Forest regeneration - Hand planting 30 T04N R03E S14	
Forest regeneration - Hand planting 3 T04N R03E S22	
Forest regeneration - Hand planting 15 T04N R03E S23	
Forest regeneration - Hand planting 28 T04N R03E S23	
Forest regeneration - Hand planting 21 T04N R03E S24	
Forest regeneration - Hand planting 9 T04N R04E S28	

Columbia Plannir	g Unit		
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	1	T04N R04E S33	
Forest regeneration - Hand planting	3	T04N R04E S33	
Forest regeneration - Hand planting	32	T05N R02E S01	
Forest regeneration - Hand planting	42	T05N R03E S06	
Forest regeneration - Hand planting	84	T05N R03E S06	
Forest regeneration - Hand planting	7	T06N R01E S25	
Forest regeneration - Hand planting	4	T06N R01E S36	
Forest regeneration - Hand planting	10	T06N R01E S36	
Forest regeneration - Hand planting	45	T06N R01E S36	
Forest regeneration - Hand planting	68	T06N R02E S16	
Forest regeneration - Hand planting	57	T06N R02E S16	
Forest regeneration - Hand planting		T06N R02E S19	
Forest regeneration - Hand planting		T06N R02E S20	
Forest regeneration - Hand planting		T06N R02E S25	
Forest regeneration - Hand planting		T06N R02E S28	
Forest regeneration - Hand planting		T06N R03E S06	
Forest regeneration - Hand planting		T06N R03E S10	
Forest regeneration - Hand planting		T06N R03E S16	
Forest regeneration - Hand planting		T06N R03E S30	
Forest regeneration - Hand planting		T06N R03E S32	
Forest regeneration - Hand planting		T06N R04E S16	
Forest regeneration - Hand planting		T08N R05W S16	
Forest regeneration - Hand planting		T08N R05W S16	
Forest regeneration - Hand planting		T08N R05W S16	
Forest regeneration - Hand planting		T08N R05W S21	
Forest regeneration - Hand planting		T08N R05W S21	
Forest regeneration - Hand planting		T09N R04W S03	
Forest regeneration - Hand planting		T09N R04W S29	
Forest regeneration - Hand planting		T09N R04W S31	
Forest regeneration - Hand planting		T09N R05W S36	
Forest regeneration - Hand planting		T10N R01E S36	
Forest regeneration - Hand planting		T10N R01E S36	
Forest regeneration - Hand planting		T10N R02W S06	
Forest regeneration - Hand planting		T10N R02W S06	
Forest regeneration - Hand planting		T10N R03W S01	
Forest regeneration - Hand planting		T10N R04W S29	
Forest regeneration - Hand planting		T10N R04W S32	
Forest regeneration - Hand planting		T10N R04W S32	
Forest regeneration - Hand planting		T10N R04W S32	
Forest regeneration - Hand planting		T10N R04W S32	
Forest regeneration - Hand planting		T10N R06W S15	
Forest regeneration - Hand planting		T11N R03E S20	
Forest regeneration - Hand planting		T11N R07W S20	1
Forest regeneration - Hand planting		T11N R07W S21	
Forest regeneration - Hand planting		T12N R03W S24	
Forest regeneration - Hand planting		T12N R03W S36	
Forest regeneration - Hand planting		T12N R03W S36	†
Forest regeneration - Natural regeneration		T06N R04E S24	
Forest regeneration - Natural regeneration		T08N R05W S16	
Forest regeneration - Natural regeneration		T08N R05W S16	
i orost regeneration - reatural regeneration		TOUR KOOVY O 10	

Columbia Plannin	g Unit		
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Natural regeneration	29	T08N R05W S16	
Forest regeneration - Natural regeneration	44	T09N R04W S07	
Vegetation management - Aerial herbicide	30	T02N R04E S10	2905323
Vegetation management - Aerial herbicide	45	T03N R04E S01	2905323
Vegetation management - Aerial herbicide	70	T03N R04E S19	2905323
Vegetation management - Aerial herbicide	80	T03N R04E S19	2905323
Vegetation management - Aerial herbicide	55	T03N R06E S19	2905323
Vegetation management - Aerial herbicide	95	T03N R06E S19	2905323
Vegetation management - Aerial herbicide	50	T03N R07E S01	2905323
Vegetation management - Aerial herbicide	20	T03N R07E S34	2905323
Vegetation management - Aerial herbicide	70	T03N R07E S34	2905323
Vegetation management - Aerial herbicide	85	T04N R04E S23	2905323
Vegetation management - Aerial herbicide	10	T04N R04E S26	2905323
Vegetation management - Aerial herbicide	50	T04N R04E S35	2905323
Vegetation management - Aerial herbicide	24	T04N R04E S35	2905323
Vegetation management - Aerial herbicide	70	T04N R04E S35	2905323
Vegetation management - Aerial herbicide	49	T05N R03E S06	2905323
Vegetation management - Aerial herbicide	80	T06N R03E S05	2905323
Vegetation management - Aerial herbicide	5	T06N R03E S10	2905323
Vegetation management - Aerial herbicide	35	T06N R03E S16	2905323
Vegetation management - Aerial herbicide	5	T06N R03E S16	2905323
Vegetation management - Aerial herbicide	50	T06N R04E S13	2905323
Vegetation management - Aerial herbicide	15	T06N R04E S15	2905323
Vegetation management - Aerial herbicide	30	T06N R04E S15	2905323
Vegetation management - Aerial herbicide	4	T06N R04E S15	2905323
Vegetation management - Aerial herbicide	45	T06N R04E S15	2905323
Vegetation management - Aerial herbicide	11	T06N R04E S15	2905323
Vegetation management - Aerial herbicide	40	T06N R04E S22	2905323
Vegetation management - Aerial herbicide	19	T06N R04E S23	2905323
Vegetation management - Aerial herbicide	30	T06N R05E S31	2905323
Vegetation management - Aerial herbicide	70	T06N R05E S31	2905323
Vegetation management - Aerial herbicide	40	T06N R05E S31	2905323
Vegetation management - Aerial herbicide	99	T07N R01E S09	Missing
Vegetation management - Aerial herbicide	60	T07N R04E S36	2905323
Vegetation management - Aerial herbicide			Missing
Vegetation management - Aerial herbicide		T10N R02W S18	Missing
Vegetation management - Ground herbicide	32	T05N R02E S01	
Vegetation management - Ground herbicide		T05N R02E S12	
Vegetation management - Ground herbicide	30	T06N R01E S25	
Vegetation management - Ground herbicide	63	T06N R01E S36	
Vegetation management - Ground herbicide	21	T06N R02E S22	
Vegetation management - Ground herbicide	65	T06N R02E S22	
Vegetation management - Ground herbicide		T06N R02E S27	
Vegetation management - Ground herbicide	31	T06N R02E S30	
Vegetation management - Ground herbicide		T06N R02E S31	
Vegetation management - Ground herbicide	34	T06N R02E S31	
Vegetation management - Ground herbicide		T06N R02E S32	
Vegetation management - Ground herbicide	31	T06N R02E S32	
Vegetation management - Ground herbicide		T10N R02W S10	
Vegetation management - Ground herbicide	46	T10N R02W S10	

Columbia Plannir	g Unit		
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Ground herbicide	29	T10N R02W S10	
Vegetation management - Ground herbicide	55	T10N R02W S10	
Vegetation management - Ground herbicide	18	T12N R02E S16	
Vegetation management - Hand cutting	25	T06N R01E S13	
Vegetation management - Hand cutting	75	T06N R01E S14	
Vegetation management - Hand cutting	18	T06N R01E S14	
Vegetation management - Hand cutting	15	T06N R02E S28	
Vegetation management - Hand cutting	15	T06N R02E S28	
Vegetation management - Hand cutting	8	T06N R02E S32	
Vegetation management - Hand cutting	5	T06N R02E S32	
Vegetation management - Hand cutting	8	T06N R02E S32	
Vegetation management - Hand cutting		T06N R03E S31	
Vegetation management - Hand cutting		T08N R04W S06	
Vegetation management - Hand cutting		T08N R04W S06	
Vegetation management - Hand cutting		T08N R04W S06	
Vegetation management - Hand cutting		T08N R04W S07	
Vegetation management - Hand cutting		T08N R05W S01	
Vegetation management - Hand cutting		T08N R05W S01	
Vegetation management - Hand cutting		T08N R05W S01	
Vegetation management - Hand cutting		T08N R05W S01	
Vegetation management - Hand cutting		T08N R05W S04	
Vegetation management - Hand cutting		T08N R05W S04	
Vegetation management - Hand cutting		T09N R01W S36	
Vegetation management - Hand cutting		T09N R02E S02	
Vegetation management - Hand cutting		T09N R02E S02	
Vegetation management - Hand cutting		T09N R02E S02	
Vegetation management - Hand cutting		T09N R02E S13	
Vegetation management - Hand cutting		T09N R03E S07	
Vegetation management - Hand cutting		T09N R04W S03	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R01E S36	
Vegetation management - Hand cutting		T10N R02E S36	
Vegetation management - Hand cutting		T10N R02E S36	
Vegetation management - Hand cutting		T10N R02E S36	
Vegetation management - Hand cutting		T10N R02W S06	
Vegetation management - Hand cutting		T10N R03W S01	
Vegetation management - Hand cutting		T10N R04W S32	
Vegetation management - Hand cutting		T10N R04W S32	
Vegetation management - Hand cutting		T10N R04W S32	
Vegetation management - Hand cutting		T10N R04W S33	
Vegetation management - Hand cutting		T10N R04W S33	
Vegetation management - Hand cutting		T11N R02E S13	
			
Vegetation management - Hand cutting		T11N R02E S14	
Vegetation management - Hand cutting		T11N R02E S14	
Vegetation management - Hand cutting		T11N R02E S22	
Vegetation management - Hand cutting	12	T11N R02E S24	<u> </u>

Columbia Plannir	g Unit		
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Hand cutting	50	T11N R02E S24	
Vegetation management - Hand cutting	39	T11N R03E S17	
Vegetation management - Hand cutting	19	T11N R03E S18	
Vegetation management - Hand cutting	8	T11N R07W S18	
Vegetation management - Hand cutting		T11N R07W S18	
Vegetation management - Hand cutting		T12N R01E S16	
Vegetation management - Hand cutting	14	T12N R01E S16	
Vegetation management - Hand cutting	26	T12N R02E S33	
Vegetation management - Hand cutting	7	T12N R02E S36	
Vegetation management - Hand cutting	6	T12N R03E S28	
Vegetation management - Hand cutting		T12N R03E S28	
Vegetation management - Hand cutting		T12N R03W S25	
Vegetation management - Hand cutting		T12N R03W S36	
Vegetation management - Hand cutting		T13N R03E S35	
Pre-commercial thinning		T09N R03E S02	
Pre-commercial thinning		T09N R03E S03	
Pre-commercial thinning		T09N R03E S04	
Pre-commercial thinning		T09N R03E S04	
Pre-commercial thinning		T09N R03E S04	
Pre-commercial thinning		T09N R03E S04	
Pre-commercial thinning		T09N R03E S11	
Pre-commercial thinning		T09N R04W S04	
Pre-commercial thinning		T09N R04W S04	
Pre-commercial thinning		T09N R04W S04	
Pre-commercial thinning		T09N R04W S07	
Pre-commercial thinning		T09N R04W S09	
Pre-commercial thinning		T09N R04W S09	
Pre-commercial thinning		T09N R04W S09	
Pre-commercial thinning		T09N R04W S14	
Pre-commercial thinning		T09N R04W S19	
Pre-commercial thinning		T09N R04W S20	
Pre-commercial thinning		T09N R04W S30	
Pre-commercial thinning		T09N R05W S13	
Pre-commercial thinning		T09N R05W S27	
Pre-commercial thinning		T10N R03E S32	
Pre-commercial thinning		T10N R04W S32	
Pre-commercial thinning		T10N R04W S33	
Pre-commercial thinning		T10N R06W S04	
Pre-commercial thinning		T10N R06W S05	
Pre-commercial thinning		T10N R06W S05	
Pre-commercial thinning		T10N R06W S33	
Pre-commercial thinning		T11N R08W S26	
Klickitat Planning		111111110000 020	l .
Timber Harvest - Clear cut		T06N R10E S19	2701645
Timber Harvest - Clear cut		T06N R10E S20	2701645
Timber Harvest - Clear cut		T06N R15E S36	2702832
Timber Harvest - Clear cut		T06N R15E S36	2702832
Timber Harvest - Clear cut		T07N R11E S23	2701922
Timber Harvest - Clear cut		T07N R11E S26	2701922
Timber Harvest - Clear cut		T07N R11E S26	2701922
Timbor Harvoot Oloar oat	101	10/14/11/12 020	2101022

Klickitat Plannin	g Unit		
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Salvage cut	18	T07N R11E S34	2702528
Timber Harvest - Salvage cut	177	T07N R11E S35	2702528
Timber Harvest - Salvage cut	42	T07N R12E S06	2702829
Timber Harvest - Salvage cut	36	T07N R12E S07	2702829
Timber Harvest - Smallwood thinning	21	T06N R10E S17	2701645
Timber Harvest - Smallwood thinning	19	T06N R10E S18	2701645
Timber Harvest - Smallwood thinning	78	T06N R10E S32	2701645
Timber Harvest - Temporary retention first cut	15	T07N R11E S26	2701922
Timber Harvest - Temporary retention first cut	36	T07N R11E S26	2701922
Timber Harvest - Temporary retention first cut	37	T07N R11E S26	2701922
Timber Harvest - Uneven-aged management	4	T07N R12E S06	2702830
Forest site preparation - Ground mechanical		T06N R10E S20	
Forest site preparation - Ground mechanical		T07N R11E S23	
Forest regeneration - Hand planting		T03N R12E S06	
Forest regeneration - Hand planting		T03N R12E S06	
Forest regeneration - Hand planting		T04N R10E S19	
Forest regeneration - Hand planting		T06N R10E S20	
Forest regeneration - Hand planting		T06N R12E S16	
Forest regeneration - Hand planting		T06N R12E S16	
Forest regeneration - Hand planting		T07N R11E S23	
Forest regeneration - Hand planting		T07N R11E S26	
Forest regeneration - Hand planting		T07N R11E S26	
Forest regeneration - Hand planting		T07N R11E S26	
Forest regeneration - Hand planting		T07N R11E S26	
Forest regeneration - Hand planting		T07N R11E S33	
Forest regeneration - Hand planting		T07N R11E S33	
Forest regeneration - Hand planting		T07N R11E S33	
Forest regeneration - Hand planting		T07N R11E S34	
Forest regeneration - Hand planting		T07N R11E S35	
Vegetation management - Ground herbicide		T03N R12E S06	
Vegetation management - Ground herbicide		T03N R12E S06	
Vegetation management - Ground herbicide		T04N R11E S06	
Vegetation management - Ground herbicide		T04N R12E S02	
Vegetation management - Ground herbicide		T04N R12E S02	
Vegetation management - Ground herbicide		T04N R12E S31	
Vegetation management - Ground herbicide		T05N R12E S36	
Vegetation management - Ground herbicide		T06N R12E S16	
Vegetation management - Ground herbicide		T06N R12E S16	
Vegetation management - Ground herbicide		T07N R11E S23	
Vegetation management - Ground herbicide		T07N R11E S26	
Vegetation management - Ground herbicide		T07N R11E S26	
Vegetation management - Ground herbicide		T07N R11E S26	
Vegetation management - Ground herbicide		T07N R11E S33	
Vegetation management - Ground herbicide		T07N R11E S33	
Vegetation management - Ground herbicide		T07N R11E S33	
Vegetation management - Ground herbicide		T07N R11E S34	
Vegetation management - Ground herbicide		T07N R11E S35	
Pre-commercial thinning		T04N R10E S04	<u> </u>
Pre-commercial thinning		T05N R10E S03	
Pre-commercial thinning	80	T05N R10E S03	

Klickitat Planning Unit			
Silvicultural Activity	Acres	Location	FPA#
Pre-commercial thinning	62	T05N R10E S28	
Pre-commercial thinning	365	T07N R12E S30	
Pre-commercial thinning	223	T07N R12E S31	
North Puget Planni	ing Unit		
Timber Harvest - Clear cut	1	T23N R07E S05	2409508
Timber Harvest - Clear cut	16	T23N R07E S05	2409508
Timber Harvest - Clear cut	66	T24N R07E S34	2409639
Timber Harvest - Clear cut	2	T26N R08E S05	2409507
Timber Harvest - Clear cut	7	T26N R08E S05	2409507
Timber Harvest - Clear cut	11	T26N R08E S05	2409507
Timber Harvest - Clear cut	12	T26N R08E S05	2409507
Timber Harvest - Clear cut	7	T26N R08E S05	2409507
Timber Harvest - Clear cut	2	T26N R08E S05	2409507
Timber Harvest - Clear cut	87	T26N R08E S05	2409587
Timber Harvest - Clear cut	85	T26N R08E S07	2408890
Timber Harvest - Clear cut	18	T26N R08E S08	2408369
Timber Harvest - Clear cut	35	T26N R08E S08	2409507
Timber Harvest - Clear cut	2	T26N R08E S17	2408369
Timber Harvest - Clear cut	15	T26N R08E S17	2408369
Timber Harvest - Clear cut	25	T26N R08E S17	2408369
Timber Harvest - Clear cut	31	T27N R07E S08	2805502
Timber Harvest - Clear cut	9	T27N R07E S17	2805502
Timber Harvest - Clear cut	85	T28N R07E S02	2806274
Timber Harvest - Clear cut	92	T28N R07E S04	2806357
Timber Harvest - Clear cut	16	T28N R07E S16	2806357
Timber Harvest - Clear cut	16	T28N R08E S03	2806780
Timber Harvest - Clear cut	79	T28N R08E S04	2805900
Timber Harvest - Clear cut	20	T28N R08E S10	2806780
Timber Harvest - Clear cut	12	T28N R08E S11	2806780
Timber Harvest - Clear cut	19	T28N R08E S11	2806780
Timber Harvest - Clear cut	167	T28N R08E S14	2806571
Timber Harvest - Clear cut	25	T28N R08E S14	2806780
Timber Harvest - Clear cut	96	T28N R08E S21	2806552
Timber Harvest - Clear cut	63	T28N R09E S29	2806009
Timber Harvest - Clear cut	26	T28N R09E S32	2806009
Timber Harvest - Clear cut		T29N R07E S03	2805263
Timber Harvest - Clear cut	79	T29N R07E S10	2804968
Timber Harvest - Clear cut	74	T29N R07E S33	2806357
Timber Harvest - Clear cut	2	T29N R08E S27	2804329
Timber Harvest - Clear cut	18	T30N R07E S33	2805766
Timber Harvest - Clear cut	46	T31N R06E S12	2805765
Timber Harvest - Clear cut	43	T31N R06E S15	2805769
Timber Harvest - Clear cut	80	T31N R06E S26	2805767
Timber Harvest - Clear cut	36	T31N R06E S35	2806293
Timber Harvest - Clear cut		T32N R06E S05	2804988
Timber Harvest - Clear cut	39	T32N R06E S06	2804988
Timber Harvest - Clear cut	75	T32N R06E S13	2806455
Timber Harvest - Clear cut		T32N R06E S22	2806455
Timber Harvest - Clear cut	60	T32N R06E S23	2806455
Timber Harvest - Clear cut	36	T32N R06E S23	2805831

	North Puget Planning Unit		
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Clear cut	52	T32N R06E S25	2805831
Timber Harvest - Clear cut	29	T32N R07E S30	2805831
Timber Harvest - Clear cut	58	T33N R04E S12	2806369
Timber Harvest - Clear cut	30	T33N R04E S12	2806369
Timber Harvest - Clear cut	29	T33N R05E S03	2805537
Timber Harvest - Clear cut	39	T33N R05E S04	2806468
Timber Harvest - Clear cut	63	T33N R05E S10	2806239
Timber Harvest - Clear cut	56	T33N R05E S15	2806575
Timber Harvest - Clear cut	21	T33N R05E S15	2806575
Timber Harvest - Clear cut	24	T33N R05E S18	2806369
Timber Harvest - Clear cut	32	T33N R05E S23	2806575
Timber Harvest - Clear cut	30	T33N R05E S36	2805511
Timber Harvest - Clear cut	3	T33N R06E S04	2804339
Timber Harvest - Clear cut	21	T33N R06E S04	2804339
Timber Harvest - Clear cut	28	T33N R06E S04	2804339
Timber Harvest - Clear cut	85	T33N R06E S05	2804339
Timber Harvest - Clear cut	10	T33N R06E S06	2804339
Timber Harvest - Clear cut	92	T33N R06E S24	2805132
Timber Harvest - Clear cut	43	T33N R06E S29	2805763
Timber Harvest - Clear cut	40	T33N R06E S30	2805511
Timber Harvest - Clear cut	57	T33N R06E S33	2804779
Timber Harvest - Clear cut	11	T33N R06E S33	2804779
Timber Harvest - Clear cut	64	T33N R06E S33	2804779
Timber Harvest - Clear cut	7	T33N R07E S27	2805314
Timber Harvest - Clear cut	51	T33N R07E S34	2805314
Timber Harvest - Clear cut	90	T34N R05E S04	2804100
Timber Harvest - Clear cut	41	T34N R05E S29	2804041
Timber Harvest - Clear cut	38	T34N R05E S33	2806468
Timber Harvest - Clear cut	31	T34N R05E S34	2806665
Timber Harvest - Clear cut	4	T34N R09E S12	2806577
Timber Harvest - Clear cut	6	T34N R09E S12	2806577
Timber Harvest - Clear cut	74	T34N R09E S12	2806577
Timber Harvest - Clear cut	16	T34N R09E S12	2806577
Timber Harvest - Clear cut		T35N R05E S02	2806097
Timber Harvest - Clear cut		T35N R05E S02	2806097
Timber Harvest - Clear cut		T35N R06E S06	2806418
Timber Harvest - Clear cut	19	T36N R04E S09	2807147
Timber Harvest - Clear cut		T36N R04E S09	2807147
Timber Harvest - Clear cut	31	T36N R06E S07	2806315
Timber Harvest - Clear cut		T36N R06E S16	2804828
Timber Harvest - Clear cut	67	T36N R06E S16	2804828
Timber Harvest - Clear cut	86	T36N R06E S26	2805664
Timber Harvest - Clear cut	76	T37N R04E S13	2805160
Timber Harvest - Clear cut	76	T37N R05E S05	2806762
Timber Harvest - Clear cut		T37N R05E S07	2805479
Timber Harvest - Clear cut		T37N R05E S10	2806759
Timber Harvest - Clear cut		T37N R05E S32	2806622
Timber Harvest - Clear cut	35	T37N R05E S32	2806622
Timber Harvest - Clear cut	21	T37N R05E S36	2806406
Timber Harvest - Clear cut	52	T37N R06E S32	2806406

North Puget Plann	ing Unit		
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Clear cut	40	T38N R05E S14	2804774
Timber Harvest - Clear cut	63	T38N R05E S16	2806161
Timber Harvest - Clear cut	1	T38N R05E S21	2806460
Timber Harvest - Clear cut	54	T38N R05E S21	2806460
Timber Harvest - Clear cut	44	T38N R05E S21	2806460
Timber Harvest - Clear cut	36	T38N R05E S21	2806161
Timber Harvest - Clear cut	30	T38N R05E S33	2806553
Timber Harvest - Clear cut	43	T38N R06E S17	2805627
Timber Harvest - Clear cut	73	T39N R04E S15	2806515
Timber Harvest - Clear cut	102	T39N R05E S18	2804273
Timber Harvest - Clear cut	71	T39N R05E S19	2806104
Timber Harvest - Clear cut	11	T39N R05E S34	2806517
Timber Harvest - Clear cut	47	T39N R05E S34	2806517
Timber Harvest - Clear cut	60	T39N R06E S05	2806160
Timber Harvest - Clear cut	39	T39N R06E S07	2806160
Timber Harvest - Clear cut	49	T40N R05E S04	2806514
Timber Harvest - Clear cut	64	T40N R05E S29	2806417
Timber Harvest - Clear cut	64	T40N R06E S07	2806758
Timber Harvest - Late rotation thinning	20	T26N R08E S07	2408369
Timber Harvest - Late rotation thinning	144	T29N R08E S20	2804993
Timber Harvest - Late rotation thinning	7	T32N R06E S05	2805990
Timber Harvest - Late rotation thinning	12	T32N R06E S05	2805990
Timber Harvest - Late rotation thinning	44	T32N R06E S05	2805990
Timber Harvest - Late rotation thinning	44	T32N R06E S06	2805990
Timber Harvest - Late rotation thinning	65	T33N R10E S08	2806679
Timber Harvest - Late rotation thinning	47	T33N R10E S08	2806679
Timber Harvest - Late rotation thinning	59	T34N R10E S19	2806679
Timber Harvest - Late rotation thinning	39	T34N R10E S30	2806679
Timber Harvest - Late rotation thinning	14	T34N R10E S31	2806679
Timber Harvest - Salvage cut	7	T28N R08E S03	2806748
Timber Harvest - Salvage cut	43	T28N R08E S03	2806748
Timber Harvest - Salvage cut	25	T28N R08E S12	2806571
Timber Harvest - Salvage cut	80	T29N R08E S33	2806748
Timber Harvest - Shelterwood intermediate cut	40	T36N R03E S15	2806431
Timber Harvest - Smallwood thinning	30	T29N R08E S05	2804230
Timber Harvest - Smallwood thinning	5	T29N R08E S05	2804230
Timber Harvest - Smallwood thinning	29	T29N R08E S05	2804230
Timber Harvest - Smallwood thinning	27	T29N R08E S05	2804230
Timber Harvest - Variable density thinning	70	T33N R10E S28	2804742
Timber Harvest - Variable density thinning	19	T33N R10E S28	2804742
Timber Harvest - Variable density thinning	33	T34N R10E S30	2806679
Forest site preparation - Aerial herbicide	27	T27N R07E S20	2806857
Forest site preparation - Aerial herbicide	47	T28N R07E S11	2806857
Forest site preparation - Aerial herbicide	43	T28N R07E S13	2806857
Forest site preparation - Aerial herbicide	25	T28N R08E S03	2806857
Forest site preparation - Aerial herbicide	1	T28N R08E S04	2806857
Forest site preparation - Aerial herbicide	1	T28N R08E S05	2806857
Forest site preparation - Aerial herbicide		T28N R08E S07	2806857
Forest site preparation - Aerial herbicide		T28N R08E S07	2806857
Forest site preparation - Aerial herbicide	1	T28N R08E S08	2806857

North Puget F	Planning Unit	:	
Silvicultural Activity	Acres	Location	FPA#
Forest site preparation - Aerial herbicide	9	T28N R08E S12	2806857
Forest site preparation - Aerial herbicide	11	T28N R08E S12	2806857
Forest site preparation - Aerial herbicide	37	T28N R08E S18	2806857
Forest site preparation - Aerial herbicide	2	T28N R09E S07	2806857
Forest site preparation - Aerial herbicide	46	T29N R07E S03	2806857
Forest site preparation - Aerial herbicide	82	T29N R08E S34	2806857
Forest site preparation - Aerial herbicide	18	T30N R07E S33	2806857
Forest site preparation - Aerial herbicide	51	T31N R06E S01	2806857
Forest site preparation - Aerial herbicide	1	T31N R06E S11	2806857
Forest site preparation - Aerial herbicide	32	T31N R06E S11	2806857
Forest site preparation - Aerial herbicide	31	T31N R06E S11	2806857
Forest site preparation - Aerial herbicide	28	T31N R06E S12	2806857
Forest site preparation - Aerial herbicide	37	T31N R06E S14	2806857
Forest site preparation - Aerial herbicide	47	T31N R06E S14	2806857
Forest site preparation - Aerial herbicide	26	T31N R06E S22	2806857
Forest site preparation - Aerial herbicide		T31N R06E S22	2806857
Forest site preparation - Aerial herbicide		T32N R06E S03	2806857
Forest site preparation - Aerial herbicide		T32N R06E S05	2806857
Forest site preparation - Aerial herbicide		T32N R06E S06	2806857
Forest site preparation - Aerial herbicide		T32N R07E S05	2806857
Forest site preparation - Aerial herbicide		T32N R07E S30	2806857
Forest site preparation - Aerial herbicide		T33N R05E S15	2806857
Forest site preparation - Aerial herbicide		T33N R05E S25	2806857
Forest site preparation - Aerial herbicide		T33N R05E S26	2806857
Forest site preparation - Aerial herbicide		T33N R07E S19	2806857
Forest site preparation - Aerial herbicide		T33N R07E S27	2806857
Forest site preparation - Aerial herbicide		T33N R07E S29	2806857
Forest site preparation - Aerial herbicide		T33N R10E S15	2806857
Forest site preparation - Aerial herbicide		T34N R05E S21	2806857
Forest site preparation - Aerial herbicide		T34N R05E S28	2806857
Forest site preparation - Aerial herbicide		T34N R05E S29	2806857
Forest site preparation - Aerial herbicide		T34N R05E S29	2806857
Forest site preparation - Aerial herbicide		T35N R05E S01	2806873
Forest site preparation - Aerial herbicide		T35N R05E S02	2806873
Forest site preparation - Aerial herbicide		T38N R05E S04	2806873
Forest site preparation - Aerial herbicide		T39N R05E S14	2806873
Forest site preparation - Aerial herbicide		T39N R05E S14	2806873
Forest site preparation - Aerial herbicide		T39N R05E S14	2806873
Forest site preparation - Ground herbicide		T36N R06E S26	
Forest site preparation - Ground herbicide		T38N R05E S04	
Forest site preparation - Ground herbicide		T40N R05E S26	
Forest regeneration - Hand planting		T23N R07E S09	
Forest regeneration - Hand planting		T23N R07E S09	
Forest regeneration - Hand planting		T23N R07E S16	
Forest regeneration - Hand planting		T24N R07E S34	
Forest regeneration - Hand planting		T24N R07E S34	
Forest regeneration - Hand planting		T26N R08E S07	
Forest regeneration - Hand planting		T26N R08E S08	
Forest regeneration - Hand planting		T27N R07E S20	
			
Forest regeneration - Hand planting	16	T27N R07E S20	

North Puget Plann	ing Unit		
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	44	T28N R07E S11	
Forest regeneration - Hand planting	39	T28N R07E S13	
Forest regeneration - Hand planting	16	T28N R08E S03	
Forest regeneration - Hand planting	23	T28N R08E S03	
Forest regeneration - Hand planting	71	T28N R08E S04	
Forest regeneration - Hand planting	42	T28N R08E S05	
Forest regeneration - Hand planting	32	T28N R08E S07	
Forest regeneration - Hand planting	87	T28N R08E S07	
Forest regeneration - Hand planting	78	T28N R08E S08	
Forest regeneration - Hand planting	4	T28N R08E S12	
Forest regeneration - Hand planting	9	T28N R08E S12	
Forest regeneration - Hand planting		T28N R08E S18	
Forest regeneration - Hand planting		T28N R09E S07	
Forest regeneration - Hand planting		T29N R07E S03	
Forest regeneration - Hand planting		T29N R07E S26	
Forest regeneration - Hand planting		T29N R08E S20	
Forest regeneration - Hand planting		T29N R08E S34	
Forest regeneration - Hand planting		T30N R07E S06	
Forest regeneration - Hand planting		T30N R07E S07	
Forest regeneration - Hand planting		T30N R07E S33	
Forest regeneration - Hand planting		T31N R06E S01	
Forest regeneration - Hand planting		T31N R06E S11	
Forest regeneration - Hand planting		T31N R06E S11	
Forest regeneration - Hand planting		T31N R06E S11	
Forest regeneration - Hand planting		T31N R06E S12	
Forest regeneration - Hand planting		T31N R06E S14	
Forest regeneration - Hand planting		T31N R06E S14	
Forest regeneration - Hand planting		T31N R06E S15	
Forest regeneration - Hand planting		T31N R06E S22	
Forest regeneration - Hand planting		T31N R06E S22	
Forest regeneration - Hand planting		T32N R06E S02	
Forest regeneration - Hand planting		T32N R06E S03	
Forest regeneration - Hand planting		T32N R06E S05	
Forest regeneration - Hand planting		T32N R06E S06	
Forest regeneration - Hand planting		T32N R07E S05	
Forest regeneration - Hand planting		T32N R07E S30	
Forest regeneration - Hand planting		T33N R05E S03	
Forest regeneration - Hand planting		T33N R05E S03	
Forest regeneration - Hand planting		T33N R05E S15	
Forest regeneration - Hand planting		T33N R05E S25	
Forest regeneration - Hand planting		T33N R05E S26	
Forest regeneration - Hand planting		T33N R05E S36	
Forest regeneration - Hand planting		T33N R06E S24	
Forest regeneration - Hand planting		T33N R06E S25	
Forest regeneration - Hand planting		T33N R06E S25	†
		T33N R07E S19	1
Forest regeneration - Hand planting			
Forest regeneration - Hand planting		T33N R07E S27	
Forest regeneration - Hand planting		T33N R07E S29	
Forest regeneration - Hand planting		T33N R10E S15	
Forest regeneration - Hand planting	<u> </u>	T33N R10E S17	

North Puget Planni	ng Unit		
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	90	T34N R05E S04	
Forest regeneration - Hand planting	14	T34N R05E S21	
Forest regeneration - Hand planting	35	T34N R05E S28	
Forest regeneration - Hand planting	35	T34N R05E S29	
Forest regeneration - Hand planting		T34N R05E S29	
Forest regeneration - Hand planting		T35N R05E S01	
Forest regeneration - Hand planting	62	T35N R05E S02	
Forest regeneration - Hand planting	20	T36N R05E S07	
Forest regeneration - Hand planting	12	T36N R05E S07	
Forest regeneration - Hand planting		T36N R06E S07	
Forest regeneration - Hand planting		T36N R06E S26	
Forest regeneration - Hand planting		T36N R06E S28	
Forest regeneration - Hand planting		T36N R06E S28	
Forest regeneration - Hand planting		T37N R04E S13	
Forest regeneration - Hand planting		T37N R05E S07	
Forest regeneration - Hand planting		T37N R05E S27	
Forest regeneration - Hand planting		T37N R05E S36	
Forest regeneration - Hand planting		T38N R05E S04	
Forest regeneration - Hand planting		T38N R05E S35	
Forest regeneration - Hand planting		T38N R06E S17	
Forest regeneration - Hand planting		T38N R06E S29	
Forest regeneration - Hand planting		T39N R05E S14	
Forest regeneration - Hand planting		T39N R05E S14	
Forest regeneration - Hand planting		T39N R05E S14	
Forest regeneration - Hand planting		T39N R06E S05	
Forest regeneration - Hand planting		T39N R06E S07	
Forest regeneration - Hand planting		T40N R04E S36	
Forest regeneration - Hand planting		T40N R05E S26	
Forest regeneration - Hand planting		T40N R06E S20	
Forest regeneration - Hand planting		T40N R06E S21	
Forest regeneration - Natural regeneration		T40N R04E S36	
Vegetation management - Aerial herbicide		T27N R07E S20	2806857
Vegetation management - Aerial herbicide		T28N R07E S11	2806857
Vegetation management - Aerial herbicide		T32N R07E S04	2806857
Vegetation management - Aerial herbicide		T33N R07E S33	2806857
Vegetation management - Aerial herbicide		T33N R07E S34	2806857
Vegetation management - Aerial herbicide		T33N R10E S22	2806857
Vegetation management - Aerial herbicide		T38N R05E S24	2806873
Vegetation management - Aerial herbicide		T38N R05E S24	2806873
Vegetation management - Aerial herbicide		T38N R05E S25	
Vegetation management - Aerial herbicide		T39N R05E S17	2806873
			2806873
Vegetation management - Aerial herbicide		T40N R05E S12	2806873
Vegetation management - Aerial herbicide		T40N R05E S30	2806873
Vegetation management - Aerial herbicide		T40N R06E S27	2806873
Vegetation management - Aerial herbicide		T40N R06E S27	2806873
Vegetation management - Aerial herbicide		T40N R06E S31	2806873
Vegetation management - Ground herbicide		T23N R07E S09	1
Vegetation management - Ground herbicide		T23N R09E S21	-
Vegetation management - Ground herbicide		T26N R08E S07	
Vegetation management - Ground herbicide	8	T27N R07E S17	

North Puget Plann	ing Unit		
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Ground herbicide	18	T27N R07E S20	
Vegetation management - Ground herbicide		T27N R09E S13	
Vegetation management - Ground herbicide	•	T29N R07E S09	
Vegetation management - Ground herbicide	4	T29N R07E S26	
Vegetation management - Ground herbicide		T31N R06E S02	
Vegetation management - Ground herbicide	1	T31N R06E S02	
Vegetation management - Ground herbicide	1	T31N R06E S02	
Vegetation management - Ground herbicide		T31N R06E S02	
Vegetation management - Ground herbicide	1	T31N R06E S03	
Vegetation management - Ground herbicide	•	T31N R06E S12	
Vegetation management - Ground herbicide		T31N R06E S12	
Vegetation management - Ground herbicide	1	T31N R06E S12	
Vegetation management - Ground herbicide	1	T32N R06E S02	
Vegetation management - Ground herbicide	1	T32N R06E S35	
Vegetation management - Ground herbicide	1	T32N R06E S35	
Vegetation management - Ground herbicide	1	T32N R06E S36	
Vegetation management - Ground herbicide	•	T32N R06E S36	
Vegetation management - Ground herbicide		T32N R06E S36	
Vegetation management - Ground herbicide		T32N R09E S21	
Vegetation management - Ground herbicide		T32N R09E S22	
Vegetation management - Ground herbicide	1	T32N R09E S26	
Vegetation management - Ground herbicide		T33N R05E S04	
Vegetation management - Ground herbicide		T33N R05E S09	
Vegetation management - Ground herbicide	1	T33N R05E S13	
Vegetation management - Ground herbicide	1	T33N R07E S31	
Vegetation management - Ground herbicide		T33N R10E S17	
Vegetation management - Ground herbicide		T33N R10E S17	
Vegetation management - Ground herbicide	1	T35N R05E S03	
Vegetation management - Ground herbicide	1	T35N R06E S01	
Vegetation management - Ground herbicide	1	T35N R06E S32	
Vegetation management - Ground herbicide	1	T36N R05E S07	
Vegetation management - Ground herbicide	1	T36N R05E S07	
Vegetation management - Ground herbicide		T36N R06E S07	
Vegetation management - Ground herbicide		T37N R05E S02	
Vegetation management - Ground herbicide		T37N R05E S02	
Vegetation management - Ground herbicide		T37N R05E S02	
Vegetation management - Ground herbicide	1	T37N R05E S03	
Vegetation management - Ground herbicide	•	T37N R05E S03	
Vegetation management - Ground herbicide		T37N R05E S04	
Vegetation management - Ground herbicide		T37N R05E S04	
Vegetation management - Ground herbicide	•	T37N R05E S25	
Vegetation management - Ground herbicide		T37N R06E S31	
Vegetation management - Ground herbicide		T37N R06E S31	
Vegetation management - Ground herbicide		T38N R05E S22	
Vegetation management - Ground herbicide		T39N R05E S01	
Vegetation management - Ground herbicide		T39N R05E S10	
Vegetation management - Ground herbicide		T39N R05E S12	1
Vegetation management - Ground herbicide	-	T39N R05E S29	
Vegetation management - Ground herbicide		T39N R06E S06	
Vegetation management - Ground herbicide	13	T39N R06E S06	

Silvicultural Activity Acres Location FPA # Vegetation management - Hand cutting 10 T23N R09E S27 Vegetation management - Hand cutting 7 T23N R09E S27 Vegetation management - Hand cutting 21 T23N R09E S27 Vegetation management - Hand cutting 10 T23N R09E S27 Vegetation management - Hand cutting 11 T23N R09E S27 Vegetation management - Hand cutting 63 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S18 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 62 T28N R07E S14 Vegetation management - Hand cutting 62 T28N R07E S04 Vegetation management - Hand cutting 58 T30N R07E S21 Vegetation management - Hand cutting 11 T30N R07E S33 Vegetation management - Hand cutting 2 T31N R06E S22 Vegetation management - Hand cutting 31 T31N R06E S22 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 32 T32N R07E S17	North Puget Plann	ing Unit		
Vegetation management - Hand cutting 7 T23N R09E S27 Vegetation management - Hand cutting 23 T23N R09E S27 Vegetation management - Hand cutting 10 T23N R09E S27 Vegetation management - Hand cutting 10 T23N R09E S28 Vegetation management - Hand cutting 81 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 62 T28N R07E S04 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 58 T30N R07E S21 Vegetation management - Hand cutting 11 T30N R07E S33 Vegetation management - Hand cutting 2 T31N R06E S05 Vegetation management - Hand cutting 3 T31N R06E S05 Vegetation management - Hand cutting 4 T32N R06E S05 Vegetation management - Hand cutting 52 T32N R06E S23 Vegetation management - Hand cutting 40 T32N R09E S06	Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Hand cutting 23 T23N R09E S27 Vegetation management - Hand cutting 1 T23N R09E S27 Vegetation management - Hand cutting 10 T23N R09E S28 Vegetation management - Hand cutting 81 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 62 T28N R07E S14 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 21 T31N R06E S31 Vegetation management - Hand cutting 21 T31N R06E S16 Vegetation management - Hand cutting 2 T31N R06E S16 Vegetation management - Hand cutting 31 T31N R06E S22 Vegetation management - Hand cutting 52 T32N R06E S23 Vegetation management - Hand cutting 40 T32N R09E S05 Vegetation management - Hand cutting 40 T32N R09E S03	Vegetation management - Hand cutting	10	T23N R09E S27	
Vegetation management - Hand cutting 2 T23N R09E S27 Vegetation management - Hand cutting 10 T23N R09E S28 Vegetation management - Hand cutting 81 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 58 T30N R07E S21 Vegetation management - Hand cutting 11 T30N R06E S02 Vegetation management - Hand cutting 2 T31N R06E S16 Vegetation management - Hand cutting 3 T31N R06E S02 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 32 T32N R0FE S17 Vegetation management - Hand cutting 40 T32N R09E S06 Vegetation management - Hand cutting 40 T32N R09E S06 Vegetation management - Hand cutting 41 T32N R09E S06	Vegetation management - Hand cutting	7	T23N R09E S27	
Vegetation management - Hand cutting 10 T23N R09E S28 Vegetation management - Hand cutting 81 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 62 T28N R07E S14 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 21 T3N R06E S04 Vegetation management - Hand cutting 21 T3N R06E S01 Vegetation management - Hand cutting 21 T3N R06E S01 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 32 T32N R06E S23 Vegetation management - Hand cutting 32 T32N R09E S06 Vegetation management - Hand cutting 40 T32N R09E S06 Vegetation management - Hand cutting 14 T32N R09E S06	Vegetation management - Hand cutting	23	T23N R09E S27	
Vegetation management - Hand cutting 10 T23N R09E S28 Vegetation management - Hand cutting 81 T26N R08E S18 Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 62 T28N R07E S14 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 58 T30N R07E S04 Vegetation management - Hand cutting 11 T30N R07E S33 Vegetation management - Hand cutting 2 T31N R06E S16 Vegetation management - Hand cutting 3 T31N R06E S05 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 32 T32N R06E S23 Vegetation management - Hand cutting 32 T32N R09E S06 Vegetation management - Hand cutting 40 T32N R09E S03 Vegetation management - Hand cutting 14 T32N R09E S06 Vegetation management - Hand cutting 36 T32N R09E S06	Vegetation management - Hand cutting	2	T23N R09E S27	
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Vegetation management - Hand cutting 63 T26N R08E S19 Vegetation management - Hand cutting 70 T26N R08E S20 Vegetation management - Hand cutting 17 T27N R07E S17 Vegetation management - Hand cutting 36 T27N R08E S31 Vegetation management - Hand cutting 30 T27N R08E S31 Vegetation management - Hand cutting 52 T29N R07E S04 Vegetation management - Hand cutting 25 T29N R07E S04 Vegetation management - Hand cutting 58 T30N R07E S21 Vegetation management - Hand cutting 11 T30N R07E S23 Vegetation management - Hand cutting 21 T31N R06E S16 Vegetation management - Hand cutting 3 T31N R06E S26 Vegetation management - Hand cutting 14 T32N R06E S05 Vegetation management - Hand cutting 12 T32N R06E S05 Vegetation management - Hand cutting 32 T32N R07E S17 Vegetation management - Hand cutting 40 T32N R09E S03 Vegetation management - Hand cutting 41 T32N R09E S06 Vegetation management - Hand cutting 14 T32N R09E S06 Vegetation management - Hand cutting 17 T32N R09E S16 Vegetation management - Hand cutting 17 T32N R09E S16	Vegetation management - Hand cutting	81	T26N R08E S18	
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Vegetation management - Hand cutting 2 T31N R06E S16 Vegetation management - Hand cutting 3 T31N R06E S22 Vegetation management - Hand cutting 52 T32N R06E S05 Vegetation management - Hand cutting 52 T32N R06E S23 Vegetation management - Hand cutting 40 T32N R09E S03 Vegetation management - Hand cutting 40 T32N R09E S03 Vegetation management - Hand cutting 14 T32N R09E S06 Vegetation management - Hand cutting 28 T32N R09E S06 Vegetation management - Hand cutting 17 T32N R09E S12 Vegetation management - Hand cutting 3 T32N R09E S16 Vegetation management - Hand cutting 42 T32N R09E S16 Vegetation management - Hand cutting 42 T32N R09E S16 Vegetation management - Hand cutting 33 T33N R05E S03 Vegetation management - Hand cutting 34 T33N R05E S11 Vegetation management - Hand cutting 2 T33N R05E S21 Vegetation management - Hand cutting 3 T33N R05E S25 Vegetation management - Hand cutting 44 T33N R05E S25 Vegetation management - Hand cutting 44 T33N R06E S25 Vegetation management - Hand cutting 45 T33N R07E S33 Vegetation management - Hand cutting 45 T33N R06		11	T30N R07E S33	
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Vegetation management - Hand cutting3 T34N R09E S24Vegetation management - Hand cutting4 T34N R09E S25				
Vegetation management - Hand cutting 4 T34N R09E S25				1
ry Cuclauvii mallaucilicii. * Hanu Cullilu — 1411 JJN 1800 JJ4	Vegetation management - Hand cutting		T35N R06E S34	

North Puget Plann	ing Unit		
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Hand cutting	11	T35N R07E S06	
Vegetation management - Hand cutting	63	T35N R07E S07	
Vegetation management - Hand cutting	4	T35N R09E S21	
Vegetation management - Hand cutting	38	T35N R09E S21	
Vegetation management - Hand cutting	29	T36N R03E S04	
Vegetation management - Hand cutting	52	T36N R04E S15	
Vegetation management - Hand cutting	45	T36N R04E S22	
Vegetation management - Hand cutting	70	T36N R04E S22	
Vegetation management - Hand cutting	40	T36N R05E S34	
Vegetation management - Hand cutting	26	T36N R07E S30	
Vegetation management - Hand cutting	74	T37N R04E S31	
Vegetation management - Hand cutting	58	T37N R05E S04	
Vegetation management - Hand cutting	38	T37N R05E S10	
Vegetation management - Hand cutting	2	T37N R05E S21	
Vegetation management - Hand cutting	5	T37N R05E S27	
Vegetation management - Hand cutting		T37N R05E S34	
Vegetation management - Hand cutting	59	T37N R05E S35	
Vegetation management - Hand cutting		T37N R05E S35	
Vegetation management - Hand cutting	36	T38N R05E S14	
Vegetation management - Hand cutting		T38N R05E S15	
Vegetation management - Hand cutting		T38N R05E S22	
Vegetation management - Hand cutting	90	T38N R05E S22	
Vegetation management - Hand cutting	44	T38N R05E S23	
Vegetation management - Hand cutting		T38N R05E S25	
Vegetation management - Hand cutting		T38N R05E S25	
Vegetation management - Hand cutting	23	T38N R05E S26	
Vegetation management - Hand cutting	116	T38N R05E S28	
Vegetation management - Hand cutting	62	T38N R05E S28	
Vegetation management - Hand cutting	68	T38N R05E S34	
Vegetation management - Hand cutting	3	T38N R06E S20	
Vegetation management - Hand cutting	45	T39N R05E S02	
Vegetation management - Hand cutting	100	T39N R05E S11	
Vegetation management - Hand cutting	102	T39N R06E S06	
Vegetation management - Hand cutting	39	T40N R05E S11	
Vegetation management - Hand cutting	70	T40N R05E S19	
Vegetation management - Hand cutting	28	T40N R05E S20	
Vegetation management - Hand cutting	45	T40N R05E S25	
Vegetation management - Hand cutting	24	T40N R06E S20	
Vegetation management - Hand cutting	20	T40N R06E S20	
Vegetation management - Hand cutting	80	T40N R06E S33	
Pre-commercial thinning	13	T32N R06E S24	
Pre-commercial thinning	57	T32N R06E S36	
Pre-commercial thinning		T32N R06E S36	
Pre-commercial thinning		T32N R06E S36	
Pre-commercial thinning		T38N R06E S24	
Pre-commercial thinning		T39N R05E S05	
Pre-commercial thinning		T39N R05E S12	
Pre-commercial thinning		T39N R05E S12	
Pre-commercial thinning		T40N R05E S19	
Pre-commercial thinning	47	T40N R05E S32	

North Puget Planni	ing Unit		
Silvicultural Activity	Acres	Location	FPA#
Pre-commercial thinning	68	T40N R05E S32	
Pre-commercial thinning	31	T40N R05E S32	
Pre-commercial thinning	30	T40N R05E S32	
OESF Planning	Unit		
Timber Harvest - Clear cut	10	T27N R12W S16	2605625
Timber Harvest - Late rotation thinning	37	T26N R11W S16	2604460
Timber Harvest - Late rotation thinning	123	T27N R12W S21	2605625
Timber Harvest - Smallwood thinning	34	T26N R11W S16	2604460
Timber Harvest - Smallwood thinning	33	T26N R11W S17	2604460
Forest regeneration - Hand planting	17	T28N R14W S17	
Forest regeneration - Hand planting	39	T28N R14W S18	
Forest regeneration - Hand planting	2	T29N R13W S08	
Forest regeneration - Hand planting	4	T29N R13W S20	
Forest regeneration - Hand planting	37	T30N R10W S28	
Forest regeneration - Hand planting	48	T30N R10W S28	
Forest regeneration - Hand planting	2	T30N R10W S30	
Forest regeneration - Hand planting	5	T30N R11W S25	
Forest regeneration - Hand planting	2	T30N R11W S29	
Forest regeneration - Hand planting	4	T30N R11W S31	
Forest regeneration - Hand planting	3	T30N R12W S25	
Forest regeneration - Hand planting	76	T30N R12W S26	
Forest regeneration - Hand planting	28	T30N R12W S28	
Forest regeneration - Hand planting	54	T30N R12W S30	
Forest regeneration - Hand planting	2	T30N R12W S36	
Forest regeneration - Hand planting	6	T31N R13W S14	
Forest regeneration - Hand planting	5	T31N R13W S14	
Forest regeneration - Hand planting	5	T31N R13W S15	
Forest regeneration - Hand planting	5	T31N R13W S23	
Forest regeneration - Hand planting	7	T31N R13W S23	
Forest regeneration - Hand planting	8	T32N R13W S16	
Forest regeneration - Hand planting	7	T32N R13W S17	
Forest regeneration - Hand planting	4	T32N R13W S29	
Forest regeneration - Hand planting	39	T32N R13W S29	
Vegetation management - Ground herbicide	26	T30N R10W S28	
Vegetation management - Ground herbicide	9	T30N R11W S30	
Vegetation management - Ground herbicide	3	T30N R11W S30	
Vegetation management - Ground herbicide	21	T30N R12W S22	
Vegetation management - Ground herbicide	32	T30N R12W S22	
Vegetation management - Ground herbicide	8	T30N R12W S36	
Pre-commercial thinning	86	T25N R10W S02	
Pre-commercial thinning	101	T25N R10W S03	
Pre-commercial thinning	109	T25N R10W S03	
Pre-commercial thinning	75	T25N R10W S04	
Pre-commercial thinning	88	T25N R10W S05	
Pre-commercial thinning	26	T25N R10W S05	
Pre-commercial thinning		T25N R10W S05	
Pre-commercial thinning		T25N R10W S06	
Pre-commercial thinning		T25N R11W S07	
Pre-commercial thinning		T25N R11W S15	
Pre-commercial thinning		T25N R11W S15	

OESF Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Pre-commercial thinning	4	T25N R11W S29	
Pre-commercial thinning	104	T25N R11W S30	
Pre-commercial thinning	24	T25N R12W S25	
Pre-commercial thinning	51	T25N R12W S29	
Pre-commercial thinning	16	T26N R10W S03	
Pre-commercial thinning	64	T26N R10W S03	
Pre-commercial thinning	105	T26N R10W S04	
Pre-commercial thinning	11	T26N R10W S04	
Pre-commercial thinning	59	T26N R10W S04	
Pre-commercial thinning	93	T26N R10W S05	
Pre-commercial thinning	13	T26N R10W S06	
Pre-commercial thinning	22	T26N R10W S08	
Pre-commercial thinning	64	T26N R10W S08	
Pre-commercial thinning	50	T26N R10W S08	
Pre-commercial thinning	31	T26N R10W S08	
Pre-commercial thinning	60	T26N R10W S08	
Pre-commercial thinning		T26N R10W S09	
Pre-commercial thinning		T26N R10W S09	
Pre-commercial thinning		T26N R10W S09	
Pre-commercial thinning		T26N R10W S10	
Pre-commercial thinning		T26N R10W S10	
Pre-commercial thinning		T26N R10W S11	
Pre-commercial thinning		T26N R10W S11	
Pre-commercial thinning		T26N R10W S11	
Pre-commercial thinning		T26N R10W S14	
Pre-commercial thinning		T26N R10W S14	
Pre-commercial thinning		T26N R10W S17	
Pre-commercial thinning		T26N R10W S26	
Pre-commercial thinning	60	T26N R10W S29	
Pre-commercial thinning		T26N R10W S31	
Pre-commercial thinning		T26N R10W S31	
Pre-commercial thinning		T26N R10W S31	
Pre-commercial thinning	95	T26N R10W S31	
Pre-commercial thinning		T26N R10W S31	
Pre-commercial thinning		T26N R10W S34	
Pre-commercial thinning	9	T26N R10W S34	
Pre-commercial thinning		T26N R11W S01	
Pre-commercial thinning		T26N R11W S03	
Pre-commercial thinning		T26N R11W S26	
Pre-commercial thinning		T26N R11W S27	
Pre-commercial thinning		T26N R11W S27	
Pre-commercial thinning		T26N R11W S27	
Pre-commercial thinning		T27N R11W S29	
Pre-commercial thinning		T27N R11W S36	
Pre-commercial thinning		T27N R12W S09	
Pre-commercial thinning		T27N R12W S23	
Pre-commercial thinning		T27N R12W S28	
Pre-commercial thinning		T27N R12W S31	
Pre-commercial thinning		T27N R12W S31	
Pre-commercial thinning		T27N R12W S31	
1 TO COMMITTORIAL WILLIAM		12/14/11/200 001	

OESF Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Pre-commercial thinning	35	T27N R12W S31	
Pre-commercial thinning	3	T27N R13W S06	
Pre-commercial thinning	115	T27N R13W S08	
Pre-commercial thinning		T27N R13W S15	
Pre-commercial thinning		T27N R13W S28	
Pre-commercial thinning		T27N R13W S28	
Pre-commercial thinning		T27N R13W S36	
Pre-commercial thinning		T28N R13W S12	
Pre-commercial thinning		T28N R13W S12	
Pre-commercial thinning		T28N R13W S12	
Pre-commercial thinning		T28N R13W S12	
Pre-commercial thinning		T28N R13W S16	
Pre-commercial thinning		T28N R13W S16	
Pre-commercial thinning		T31N R13W S02	
Pre-commercial thinning		T31N R15W S16	
Pre-commercial thinning		T31N R15W S36	
Pre-commercial thinning		T31N R15W S36	
Pre-commercial thinning		T31N R13W S30	
Pre-commercial thinning		T32N R12W S30	
Pre-commercial thinning		T32N R12W S30	
Pre-commercial thinning		T32N R12W S30	
Pre-commercial thinning		T32N R12W S31	
		T32N R12W S31	
Pre-commercial thinning		T32N R12W S36	
Pre-commercial thinning			
Pre-commercial thinning		T32N R13W S18 T32N R13W S18	
Pre-commercial thinning		T32N R13W S10	
Pre-commercial thinning		T32N R13W S20	
Pre-commercial thinning		T32N R13W S20	
Pre-commercial thinning		T32N R13W S25	
Pre-commercial thinning		T32N R13W S25	
Pre-commercial thinning			
Pre-commercial thinning Pre-commercial thinning		T32N R13W S29 T32N R13W S30	
Pre-commercial thinning			
<u> </u>		T32N R13W S31 T32N R13W S31	
Pre-commercial thinning			
Pre-commercial thinning		T32N R13W S31	
Pre-commercial thinning		T32N R13W S35	
Pre-commercial thinning		T32N R13W S36	
Pre-commercial thinning		T32N R13W S36	
Pre-commercial thinning		T32N R14W S36	
Pre-commercial thinning		T32N R14W S36	
Pre-commercial thinning		T32N R14W S36	
Tree pruning - Hand pruning South Coast Plann		T29N R13W S15	
Timber Harvest - Clear cut		T10N R08W S02	2512172
Timber Harvest - Clear cut		T12N R03W S15	2512172
Timber Harvest - Clear cut		T12N R03W S16	2510497
Timber Harvest - Clear cut		T12N R03W S10	2511766
Timber Harvest - Clear cut		T12N R03W S22	
Timber Harvest - Clear cut		T12N R08W S04	2511766 2511520
TITIDET HALVEST - CIEAL CUL	50	1 1211 KUOW 304	2511520

South Coast Plann	ing Unit	t	
Silvicultural Activity		Location	FPA #
Timber Harvest - Clear cut	89	T12N R08W S04	2511520
Timber Harvest - Clear cut	67	T13N R06W S05	2510409
Timber Harvest - Clear cut	65	T13N R06W S06	2510409
Timber Harvest - Clear cut	87	T13N R06W S30	2512132
Timber Harvest - Clear cut	11	T13N R06W S34	2511418
Timber Harvest - Clear cut	43	T13N R06W S35	2511418
Timber Harvest - Clear cut	81	T13N R06W S36	2511991
Timber Harvest - Clear cut	25	T13N R06W S36	2511418
Timber Harvest - Clear cut	57	T13N R07W S14	2510238
Timber Harvest - Clear cut	76	T13N R07W S22	2510830
Timber Harvest - Clear cut	69	T13N R07W S23	2510830
Timber Harvest - Clear cut	54	T13N R07W S24	2512132
Timber Harvest - Clear cut	48	T13N R07W S29	2510481
Timber Harvest - Clear cut	83	T13N R07W S31	2511532
Timber Harvest - Clear cut	48	T13N R08W S05	2511186
Timber Harvest - Clear cut	64	T13N R08W S08	2511533
Timber Harvest - Clear cut	37	T13N R08W S28	2507727
Timber Harvest - Clear cut		T13N R08W S29	2507727
Timber Harvest - Clear cut	72	T13N R08W S33	2507727
Timber Harvest - Clear cut		T14N R01W S08	2510137
Timber Harvest - Clear cut	11	T14N R04W S12	2510862
Timber Harvest - Clear cut	5	T14N R04W S12	2510862
Timber Harvest - Clear cut	3	T14N R04W S12	2510862
Timber Harvest - Clear cut		T14N R04W S12	2510862
Timber Harvest - Clear cut		T14N R07W S36	2511202
Timber Harvest - Clear cut	24	T14N R07W S36	2511202
Timber Harvest - Clear cut	66	T15N R05W S02	2510411
Timber Harvest - Clear cut	53	T15N R05W S03	2510240
Timber Harvest - Clear cut	24	T16N R04W S03	2508434
Timber Harvest - Clear cut	46	T16N R04W S06	2510832
Timber Harvest - Clear cut	33	T16N R04W S08	2511113
Timber Harvest - Clear cut	3	T16N R04W S12	2510199
Timber Harvest - Clear cut	13	T16N R04W S13	2508126
Timber Harvest - Clear cut	13	T16N R04W S13	2508126
Timber Harvest - Clear cut	54	T16N R04W S13	2508126
Timber Harvest - Clear cut	55	T16N R04W S15	2510780
Timber Harvest - Clear cut	45	T16N R04W S15	2510780
Timber Harvest - Clear cut	29	T16N R04W S21	2511113
Timber Harvest - Clear cut	39	T16N R04W S21	2511113
Timber Harvest - Clear cut	11	T16N R05W S28	2510240
Timber Harvest - Clear cut	34	T16N R05W S32	2511423
Timber Harvest - Clear cut	73	T16N R05W S33	2510240
Timber Harvest - Clear cut		T16N R05W S33	2511423
Timber Harvest - Clear cut	29	T16N R05W S33	2511423
Timber Harvest - Clear cut	37	T16N R05W S33	2511423
Timber Harvest - Clear cut	40	T16N R05W S34	2511423
Timber Harvest - Clear cut		T17N R03W S05	2507728
Timber Harvest - Clear cut	38	T17N R03W S05	2507728
Timber Harvest - Clear cut	39	T17N R03W S06	2510321
Timber Harvest - Clear cut	44	T17N R03W S06	2510321

South Coast Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Clear cut	18	T17N R03W S20	2506598
Timber Harvest - Clear cut	7	T17N R03W S20	2506598
Timber Harvest - Clear cut	13	T17N R03W S20	2506598
Timber Harvest - Clear cut	10	T17N R03W S30	2506598
Timber Harvest - Clear cut	57	T17N R03W S33	2511187
Timber Harvest - Clear cut	65	T17N R04W S05	2511692
Timber Harvest - Clear cut	32	T17N R04W S07	2509361
Timber Harvest - Clear cut	37	T17N R04W S07	2509361
Timber Harvest - Clear cut	44	T17N R04W S13	Missing
Timber Harvest - Clear cut	31	T17N R04W S14	Missing
Timber Harvest - Clear cut	15	T17N R04W S18	2509361
Timber Harvest - Clear cut	25	T17N R04W S19	2511066
Timber Harvest - Clear cut	27	T17N R04W S26	2511113
Timber Harvest - Clear cut	30	T17N R04W S29	2511066
Timber Harvest - Clear cut	37	T17N R04W S32	2511113
Timber Harvest - Clear cut	43	T17N R04W S32	2511113
Timber Harvest - Clear cut	46	T17N R04W S34	2508434
Timber Harvest - Clear cut	7	T17N R05W S25	2511992
Timber Harvest - Clear cut	41	T17N R05W S25	2511992
Timber Harvest - Clear cut	58	T17N R05W S25	2508759
Timber Harvest - Clear cut	50	T18N R03W S29	2910764
Timber Harvest - Clear cut	67	T18N R03W S29	2508159
Timber Harvest - Clear cut	66	T18N R03W S31	2507728
Timber Harvest - Clear cut	8	T18N R04W S26	2511692
Timber Harvest - Clear cut	8	T18N R04W S35	2511692
Timber Harvest - Clear cut	2	T18N R04W S36	2511692
Timber Harvest - Clear cut	17	T18N R05W S35	2509651
Timber Harvest - Late rotation thinning	74	T14N R05W S16	2509103
Timber Harvest - Late rotation thinning	102	T14N R05W S21	2509103
Timber Harvest - Late rotation thinning	19	T15N R05W S03	2511377
Timber Harvest - Late rotation thinning	13	T15N R05W S03	2511377
Timber Harvest - Late rotation thinning	78	T16N R04W S03	2510244
Timber Harvest - Late rotation thinning	289	T17N R04W S02	2507588
Timber Harvest - Late rotation thinning		T17N R04W S06	2510508
Timber Harvest - Late rotation thinning	0	T17N R05W S01	2510508
Timber Harvest - Late rotation thinning	1	T18N R03W S28	2510490
Timber Harvest - Late rotation thinning	30	T18N R03W S29	2510490
Timber Harvest - Late rotation thinning	11	T18N R04W S22	2507855
Timber Harvest - Late rotation thinning	12	T18N R04W S23	2507855
Timber Harvest - Phased patch regeneration cut	3	T17N R04W S19	2511066
Timber Harvest - Phased patch regeneration cut	3	T17N R04W S19	2511066
Timber Harvest - Phased patch regeneration cut	2	T17N R04W S30	2511066
Timber Harvest - Phased patch regeneration cut	5	T17N R04W S30	2511066
Timber Harvest - Salvage cut	36	T10N R10W S16	2511160
Timber Harvest - Salvage cut	29	T13N R09W S36	2510505
Timber Harvest - Selective product logging	28	T16N R04W S04	2511531
Timber Harvest - Selective product logging	7	T17N R03W S20	2512327
Timber Harvest - Selective product logging	21	T17N R03W S28	2512327
Timber Harvest - Selective product logging	6	T17N R03W S29	2512327
Timber Harvest - Selective product logging	17	T17N R03W S29	2512327

South Coast Planning Unit			
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Selective product logging	30	T17N R03W S30	2512327
Timber Harvest - Selective product logging	7	T17N R03W S31	2512327
Timber Harvest - Selective product logging	14	T17N R04W S13	2511531
Timber Harvest - Selective product logging	6	T17N R04W S14	2511531
Timber Harvest - Selective product logging	15	T17N R04W S14	2511531
Timber Harvest - Selective product logging	50	T17N R04W S34	2511531
Timber Harvest - Shelterwood intermediate cut	93	T14N R05W S16	2509103
Timber Harvest - Smallwood thinning	277	T14N R04W S01	2511765
Timber Harvest - Smallwood thinning	179	T17N R04W S02	2507588
Timber Harvest - Smallwood thinning	253	T17N R04W S03	2507588
Timber Harvest - Smallwood thinning	104	T17N R04W S05	2511589
Timber Harvest - Smallwood thinning	16	T17N R05W S01	2509252
Timber Harvest - Smallwood thinning	145	T18N R04W S36	2507588
Timber Harvest - Variable density thinning	60	T17N R04W S19	2511066
Timber Harvest - Variable density thinning	1	T18N R03W S30	2510170
Forest site preparation - Aerial herbicide		T15N R03W S32	2512240
Forest site preparation - Aerial herbicide	30	T15N R04W S35	2512240
Forest site preparation - Aerial herbicide	12	T16N R03W S04	Missing
Forest site preparation - Aerial herbicide	64	T17N R03W S28	Missing
Forest site preparation - Ground herbicide	94	T12N R03W S26	
Forest site preparation - Ground herbicide		T14N R04W S25	
Forest site preparation - Ground herbicide		T15N R04W S35	
Forest site preparation - Ground herbicide		T17N R04W S18	
Forest site preparation - Ground herbicide		T17N R04W S19	
Forest site preparation - Pile and burn	36	T10N R10W S16	
Forest site preparation - Pile and burn	13	T10N R10W S16	
Forest site preparation - Pile and burn	10	T10N R10W S16	
Forest site preparation - Pile and burn	1	T11N R08W S21	
Forest site preparation - Pile and burn	20	T12N R03W S26	
Forest site preparation - Pile and burn	2	T12N R06W S01	
Forest site preparation - Pile and burn	20	T13N R05W S36	
Forest site preparation - Pile and burn	3	T13N R06W S05	
Forest site preparation - Pile and burn	3	T13N R06W S06	
Forest site preparation - Pile and burn	2	T13N R06W S36	
Forest site preparation - Pile and burn	4	T13N R07W S02	
Forest site preparation - Pile and burn	10	T13N R07W S22	
Forest site preparation - Pile and burn	2	T13N R07W S23	
Forest site preparation - Pile and burn	5	T13N R08W S29	
Forest site preparation - Pile and burn	2	T13N R08W S32	
Forest site preparation - Pile and burn	4	T13N R08W S32	
Forest site preparation - Pile and burn	1	T14N R03W S07	
Forest site preparation - Pile and burn	2	T14N R03W S19	
Forest site preparation - Pile and burn	5	T14N R04W S25	
Forest site preparation - Pile and burn	5	T14N R04W S25	
Forest site preparation - Pile and burn	3	T14N R07W S36	
Forest site preparation - Pile and burn	3	T14N R07W S36	
Forest site preparation - Pile and burn	1	T15N R01E S08	
Forest site preparation - Pile and burn	1	T15N R01E S08	
Forest site preparation - Pile and burn	1	T15N R01E S08	
Forest site preparation - Pile and burn	1	T15N R01E S09	

Silvicultural Activity Forest site preparation - Pile and burn Forest site preparation - Hand planting Forest regeneration - Hand planting Forest regenera
Forest site preparation - Pile and burn 2 T15N R01W S04 Forest site preparation - Pile and burn 2 T15N R03W S32 Forest site preparation - Pile and burn 10 T15N R04W S35 Forest site preparation - Pile and burn 1 T16N R01W S27 Forest site preparation - Pile and burn 1 T16N R01W S32 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R04W S06 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S32 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S15 Forest regeneration - Hand planting 76 T13N R06W S06 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 2 T13N R08W S20 Forest regeneration - Hand planting 2 T13N R08W S20 Forest regeneration - Hand planting 2 T13
Forest site preparation - Pile and burn 10 T15N R03W S32 Forest site preparation - Pile and burn 1 T16N R01W S35 Forest site preparation - Pile and burn 1 T16N R01W S27 Forest site preparation - Pile and burn 1 T16N R01W S32 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 61 T16N R05W S32 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S15 Forest regeneration - Hand planting 76 T13N R06W S36 Forest regeneration - Hand planting 67 T13N R06W S06 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R07W S02 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R07W S23 Forest regeneration - Hand planting 77 T13N R07W S29 Forest regeneration - Hand planting 77 T13N R08W S20 Forest regeneration - Hand planting 1 T13N R08W S20 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 1 T14N R
Forest site preparation - Pile and burn 1 T16N R04W S35 Forest site preparation - Pile and burn 1 T16N R01W S27 Forest site preparation - Pile and burn 1 T16N R01W S32 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R05W S06 Forest site preparation - Pile and burn 1 T16N R05W S06 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S15 Forest regeneration - Hand planting 76 T13N R06W S06 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 75 T13N R07W S02 Forest regeneration - Hand planting 76 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R08W S06 Forest regeneration - Hand planting 77 T13N R08W S09 Forest regeneration - Hand planting 77 T13N R08W S09 Forest regeneration - Hand planting 77 T13N R08W S00 Forest regeneration - Hand planting 77 T13N R08W S00 Forest regeneration - Hand planting 77 T13N R08W S00 Forest regeneration - Hand planting 78 T13N R08W S00 Forest regeneration - Hand planting 79 T13N
Forest site preparation - Pile and burn 1 T16N R01W S27 Forest site preparation - Pile and burn 1 T16N R01W S32 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R04W S06 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S02 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S26 Forest regeneration - Hand planting 76 T13N R06W S05 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 78 T13N R07W S02 Forest regeneration - Hand planting 79 T13N R07W S02 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R08W S05 Forest regeneration - Hand planting 79 T13N R08W S05 Forest regeneration - Hand planting 79 T13N R08W S05 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T13N R08W S00 Forest regeneration - Hand planting 79 T14N R01W S08 Forest regeneration - Hand planting 50 T14N R01W
Forest site preparation - Pile and burn 1 T16N R01W S32 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S32 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S36 Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R07W S02 Forest regeneration - Hand planting 77 T13N R07W S02 Forest regeneration - Hand planting 78 T13N R07W S02 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R07W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Forest regeneration - Hand planting 79 T13N R08W S03 Fo
Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R04W S06 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 61 T16N R05W S32 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S26 Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S02 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 78 T13N R07W S22 Forest regeneration - Hand planting 79 T13N R07W S23 Forest regeneration - Hand planting 79 T13N R07W S23 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 79 T13N R08W S32 Forest regeneration - Hand planting 79 T13N R08W S32 Forest regeneration - Hand planting 79 T13N R08W S32 Forest regeneration - Hand planting 79 T13N R08W S32 Forest regeneration - Hand planting 79 T13N R08W S32 Forest regeneration - Hand planting 79 T13N R09W S36 Forest regeneration - Hand planting 79 T14N R04W S02 Forest regeneration - Hand planting 79 T14N R04W S02 Forest
Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S33 Forest site preparation - Pile and burn 1 T16N R01W S36 Forest site preparation - Pile and burn 1 T16N R04W S06 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 1 T16N R05W S01 Forest site preparation - Pile and burn 61 T16N R05W S32 Forest regeneration - Hand planting 34 T10N R10W S16 Forest regeneration - Hand planting 48 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S26 Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S02 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 77 T13N R07W S22 Forest regeneration - Hand planting 78 T13N R07W S23 Forest regeneration - Hand planting 79 T13N R07W S23 Forest regeneration - Hand planting 79 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 71 T13N R08W S20 Forest regeneration - Hand planting 72 T13N R08W S32 Forest regeneration - Hand planting 73 T13N R08W S32 Forest regeneration - Hand planting 74 T14N R08W S32 Forest regeneration - Hand planting 75 T13N R09W S36 Forest regeneration - Hand planting 75 T13N R09W S36 Forest regeneration - Hand planting 75 T14N R01W S08 Forest regeneration - Hand planting 75 T14N R04W S02 Forest reg
Forest site preparation - Pile and burn Forest regeneration - Hand planting Forest regeneration - Hand
Forest site preparation - Pile and burn Forest regeneration - Hand planting Forest regeneration
Forest site preparation - Pile and burn Forest regeneration - Hand planting
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Forest site preparation - Pile and burn Forest regeneration - Hand planting
Forest regeneration - Hand planting Forest regeneration - Hand pla
Forest regeneration - Hand planting 94 T12N R03W S15 Forest regeneration - Hand planting 94 T12N R03W S26 Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 65 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S14 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 69 T13N R07W S23 Forest regeneration - Hand planting 69 T13N R07W S29 Forest regeneration - Hand planting 73 T13N R08W S16 Forest regeneration - Hand planting 73 T13N R08W S20 Forest regeneration - Hand planting 14 T13N R08W S20 Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R04W S02 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 65 T13N R06W S05 Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S14 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 76 T13N R07W S23 Forest regeneration - Hand planting 69 T13N R07W S23 Forest regeneration - Hand planting 73 T13N R08W S16 Forest regeneration - Hand planting 73 T13N R08W S20 Forest regeneration - Hand planting 14 T13N R08W S20 Forest regeneration - Hand planting 17 T13N R08W S20 Forest regeneration - Hand planting 17 T13N R08W S32 Forest regeneration - Hand planting 17 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 76 T13N R05W S36 Forest regeneration - Hand planting 65 T13N R06W S05 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S14 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 69 T13N R07W S23 Forest regeneration - Hand planting 48 T13N R07W S29 Forest regeneration - Hand planting 73 T13N R08W S16 Forest regeneration - Hand planting 14 T13N R08W S20 Forest regeneration - Hand planting 17 T13N R08W S20 Forest regeneration - Hand planting 17 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R08W S32 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 67 T13N R06W S05 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S14 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 69 T13N R07W S23 Forest regeneration - Hand planting 48 T13N R07W S29 Forest regeneration - Hand planting 73 T13N R08W S16 Forest regeneration - Hand planting 14 T13N R08W S20 Forest regeneration - Hand planting 2 T13N R08W S20 Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 14 T14N R04W S05
Forest regeneration - Hand planting 75 T13N R06W S06 Forest regeneration - Hand planting 75 T13N R06W S36 Forest regeneration - Hand planting 72 T13N R07W S02 Forest regeneration - Hand planting 57 T13N R07W S14 Forest regeneration - Hand planting 76 T13N R07W S22 Forest regeneration - Hand planting 69 T13N R07W S23 Forest regeneration - Hand planting 73 T13N R07W S29 Forest regeneration - Hand planting 73 T13N R08W S16 Forest regeneration - Hand planting 14 T13N R08W S20 Forest regeneration - Hand planting 2 T13N R08W S20 Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting
Forest regeneration - Hand planting
Forest regeneration - Hand planting
Forest regeneration - Hand planting
Forest regeneration - Hand planting
Forest regeneration - Hand planting
Forest regeneration - Hand planting T14N R04W S02 Forest regeneration - Hand planting T14N R04W S25
Forest regeneration - Hand planting T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 2 T13N R08W S20 Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 1 T13N R08W S32 Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 2 T13N R08W S32 Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 29 T13N R09W S36 Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 50 T14N R01W S08 Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 14 T14N R04W S02 Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 18 T14N R04W S25
Forest regeneration - Hand planting 58 T14N R05W S16
Forest regeneration - Hand planting 6 T14N R06W S31
Forest regeneration - Hand planting 4 T14N R06W S31
Forest regeneration - Hand planting 28 T14N R07W S36
Forest regeneration - Hand planting 23 T14N R07W S36
Forest regeneration - Hand planting 57 T15N R03W S32
Forest regeneration - Hand planting 5 T15N R04W S20
Forest regeneration - Hand planting 69 T15N R04W S35
Forest regeneration - Hand planting 12 T16N R03W S04
Forest regeneration - Hand planting 17 T16N R03W S06
Forest regeneration - Hand planting 21 T16N R03W S07
Forest regeneration - Hand planting 21 T16N R03W S07
Forest regeneration - Hand planting 1 T16N R03W S07
Forest regeneration - Hand planting 3 T16N R03W S07
Forest regeneration - Hand planting 1 T16N R03W S07
Forest regeneration - Hand planting 59 T16N R04W S01
Forest regeneration - Hand planting 70 T16N R04W S01

South Coast Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	37	T16N R04W S05	
Forest regeneration - Hand planting	10	T16N R04W S05	
Forest regeneration - Hand planting	7	T16N R04W S06	
Forest regeneration - Hand planting	46	T16N R04W S06	
Forest regeneration - Hand planting	38	T16N R04W S07	
Forest regeneration - Hand planting	3	T16N R04W S12	
Forest regeneration - Hand planting	1	T16N R04W S12	
Forest regeneration - Hand planting	54	T16N R04W S12	
Forest regeneration - Hand planting	20	T16N R04W S18	
Forest regeneration - Hand planting	26	T16N R04W S20	
Forest regeneration - Hand planting	78	T16N R05W S01	
Forest regeneration - Hand planting		T16N R05W S13	
Forest regeneration - Hand planting		T16N R05W S32	
Forest regeneration - Hand planting		T17N R03W S05	
Forest regeneration - Hand planting		T17N R03W S05	
Forest regeneration - Hand planting		T17N R03W S05	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S06	
Forest regeneration - Hand planting		T17N R03W S09	
Forest regeneration - Hand planting		T17N R03W S19	
Forest regeneration - Hand planting		T17N R03W S19	
Forest regeneration - Hand planting		T17N R03W S19	
Forest regeneration - Hand planting		T17N R03W S19	
Forest regeneration - Hand planting		T17N R03W S20	
Forest regeneration - Hand planting		T17N R03W S20	
Forest regeneration - Hand planting		T17N R03W S20	
Forest regeneration - Hand planting		T17N R03W S21	
Forest regeneration - Hand planting		T17N R03W S21	
Forest regeneration - Hand planting		T17N R03W S21	
Forest regeneration - Hand planting		T17N R03W S21	
Forest regeneration - Hand planting		T17N R03W S28	
Forest regeneration - Hand planting		T17N R03W S28	
Forest regeneration - Hand planting		T17N R03W S30	
Forest regeneration - Hand planting		T17N R03W S33	
Forest regeneration - Hand planting		T17N R04W S07	
Forest regeneration - Hand planting		T17N R04W S07	
Forest regeneration - Hand planting		T17N R04W S07	
Forest regeneration - Hand planting		T17N R04W S13	
Forest regeneration - Hand planting		T17N R04W S13	
Forest regeneration - Hand planting		T17N R04W S14	
Forest regeneration - Hand planting		T17N R04W S18	
Forest regeneration - Hand planting		T17N R04W S19	
Forest regeneration - Hand planting		T17N R04W S19	
Forest regeneration - Hand planting		T17N R04W S19	
Forest regeneration - Hand planting		T17N R04W S19	
Forest regeneration - Hand planting		T17N R04W S24	
i oreat regeneration - Fiana planting	00	11/11/10400 024	l

South Coast Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	85	T17N R04W S25	
Forest regeneration - Hand planting	27	T17N R04W S26	
Forest regeneration - Hand planting	10	T17N R04W S28	
Forest regeneration - Hand planting	31	T17N R04W S29	
Forest regeneration - Hand planting	5	T17N R04W S30	
Forest regeneration - Hand planting	2	T17N R04W S30	
Forest regeneration - Hand planting	42	T17N R04W S32	
Forest regeneration - Hand planting	5	T17N R04W S32	
Forest regeneration - Hand planting	2	T17N R04W S34	
Forest regeneration - Hand planting	45	T17N R04W S34	
Forest regeneration - Hand planting	21	T17N R04W S34	
Forest regeneration - Hand planting		T17N R04W S35	
Forest regeneration - Hand planting		T17N R04W S35	
Forest regeneration - Hand planting		T17N R05W S25	
Forest regeneration - Hand planting		T18N R03W S28	
Forest regeneration - Hand planting		T18N R03W S31	
Forest regeneration - Hand planting		T18N R03W S31	
Forest regeneration - Hand planting		T18N R03W S33	
Forest regeneration - Hand planting		T18N R03W S34	
Forest regeneration - Hand planting		T18N R05W S35	
Forest regeneration - Hand planting		T18N R05W S35	
Forest regeneration - Hand planting		T20N R10W S36	
Forest regeneration - Hand planting		T20N R11W S36	
Forest regeneration - Hand planting		T20N R11W S36	
Forest regeneration - Hand planting		T20N R12W S10	
Forest regeneration - Hand planting		T20N R12W S23	
Forest regeneration - Hand planting		T21N R09W S36	
Forest regeneration - Hand planting		T21N R09W S36	
Forest regeneration - Hand planting		T21N R10W S16	
Vegetation management - Aerial herbicide		T14N R05W S11	2512240
Vegetation management - Aerial herbicide		T14N R05W S14	2512240
Vegetation management - Aerial herbicide		T14N R05W S15	2512240
Vegetation management - Aerial herbicide		T14N R05W S15	2512240
Vegetation management - Aerial herbicide		T15N R05W S33	2512240
Vegetation management - Aerial herbicide		T16N R04W S18	Missing
Vegetation management - Aerial herbicide			Missing
Vegetation management - Aerial herbicide		T16N R05W S08	2512239
Vegetation management - Aerial herbicide		T16N R05W S29	2512239
Vegetation management - Aerial herbicide		T17N R03W S28	2012200
Vegetation management - Aerial herbicide		T17N R03W S28	
Vegetation management - Aerial herbicide		T17N R05W S14	
Vegetation management - Aerial herbicide		T18N R04W S30	
Vegetation management - Ground herbicide		T13N R04W S02	
Vegetation management - Ground herbicide		T13N R05W S29	
Vegetation management - Ground herbicide		T13N R05W S29	
Vegetation management - Ground herbicide		T13N R06W S31	
Vegetation management - Ground herbicide		T13N R06W S31	-
Vegetation management - Ground herbicide		T14N R03W S10	
Vegetation management - Ground herbicide		T14N R03W S18	
Vegetation management - Ground herbicide	30	T14N R03W S18	L

South Coast Plann	ing Unit	:	
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Ground herbicide	15	T14N R03W S18	
Vegetation management - Ground herbicide	13	T14N R03W S19	
Vegetation management - Ground herbicide	4	T14N R03W S20	
Vegetation management - Ground herbicide		T14N R05W S02	
Vegetation management - Ground herbicide		T14N R05W S28	
Vegetation management - Ground herbicide		T14N R05W S34	
Vegetation management - Ground herbicide		T14N R05W S34	
Vegetation management - Ground herbicide		T15N R01W S03	
Vegetation management - Ground herbicide		T15N R01W S03	
Vegetation management - Ground herbicide		T15N R03W S31	
Vegetation management - Ground herbicide		T15N R05W S04	
Vegetation management - Ground herbicide		T15N R05W S04	
Vegetation management - Ground herbicide		T15N R05W S26	
Vegetation management - Ground herbicide		T15N R05W S26	
Vegetation management - Ground herbicide		T16N R01W S29	
Vegetation management - Ground herbicide		T16N R01W S33	
Vegetation management - Ground herbicide		T16N R01W S33	
Vegetation management - Ground herbicide		T16N R03W S05	
Vegetation management - Ground herbicide		T16N R03W S14	
Vegetation management - Ground herbicide		T16N R04W S17	
Vegetation management - Ground herbicide		T16N R04W S20	
Vegetation management - Ground herbicide		T17N R03W S32	
Vegetation management - Hand cutting		T10N R10W S16	
Vegetation management - Hand cutting		T11N R07W S18	
Vegetation management - Hand cutting		T11N R07W S18	
Vegetation management - Hand cutting		T11N R08W S24	
Vegetation management - Hand cutting		T12N R03W S25	
Vegetation management - Hand cutting		T13N R02W S01	
Vegetation management - Hand cutting		T13N R02W S01	
Vegetation management - Hand cutting		T13N R02W S01	
Vegetation management - Hand cutting		T13N R02W S01	
Vegetation management - Hand cutting		T13N R07W S03	
Vegetation management - Hand cutting		T13N R07W S03	
Vegetation management - Hand cutting		T13N R07W S15	
Vegetation management - Hand cutting		T13N R07W S22	
Vegetation management - Hand cutting		T13N R08W S16	
Vegetation management - Hand cutting		T14N R03W S19	
Vegetation management - Hand cutting		T14N R03W S19	
Vegetation management - Hand cutting		T15N R05W S35	
Vegetation management - Hand cutting		T16N R01W S27	
Vegetation management - Hand cutting		T16N R01W S32	
Vegetation management - Hand cutting		T16N R01W S32	
Vegetation management - Hand cutting		T16N R03W S04	
Vegetation management - Hand cutting		T16N R03W S05	
Vegetation management - Hand cutting		T16N R03W S06	
Vegetation management - Hand cutting		T16N R04W S01	
Vegetation management - Hand cutting		T16N R04W S07	
Vegetation management - Hand cutting		T16N R04W S07	1
Vegetation management - Hand cutting		T16N R04W S12	
Vegetation management - Hand cutting		T16N R04W S12	
vegetation management - Hand Cutting	80	1 1011 RU4W 313	<u> </u>

South Coast Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Hand cutting	28	T16N R04W S14	
Vegetation management - Hand cutting	60	T16N R04W S16	
Vegetation management - Hand cutting	50	T16N R05W S01	
Vegetation management - Hand cutting		T16N R05W S13	
Vegetation management - Hand cutting		T16N R05W S28	
Vegetation management - Hand cutting		T17N R03W S06	
Vegetation management - Hand cutting	65	T17N R03W S06	
Vegetation management - Hand cutting	46	T17N R03W S07	
Vegetation management - Hand cutting		T17N R03W S08	
Vegetation management - Hand cutting	40	T17N R03W S08	
Vegetation management - Hand cutting		T17N R03W S16	
Vegetation management - Hand cutting		T17N R03W S20	
Vegetation management - Hand cutting		T17N R04W S04	
Vegetation management - Hand cutting		T17N R04W S13	
Vegetation management - Hand cutting		T17N R04W S23	
Vegetation management - Hand cutting		T17N R04W S25	
Vegetation management - Hand cutting		T17N R04W S28	
Vegetation management - Hand cutting		T17N R04W S35	
Vegetation management - Hand cutting		T17N R04W S36	
Vegetation management - Hand cutting		T17N R05W S01	
Vegetation management - Hand cutting		T17N R05W S11	
Vegetation management - Hand cutting		T17N R05W S12	
Vegetation management - Hand cutting		T17N R05W S23	
Vegetation management - Hand cutting		T17N R05W S23	
Vegetation management - Hand cutting		T18N R03W S28	
Vegetation management - Hand cutting		T18N R04W S17	
Vegetation management - Hand cutting		T18N R04W S26	
Vegetation management - Hand cutting		T18N R04W S28	
Pre-commercial thinning		T11N R08W S26	
Pre-commercial thinning		T11N R08W S26	
Pre-commercial thinning		T12N R08W S02	
Pre-commercial thinning		T13N R05W S18	
Pre-commercial thinning		T13N R07W S10	
Pre-commercial thinning		T13N R07W S15	
Pre-commercial thinning		T13N R07W S24	
Pre-commercial thinning		T14N R03W S19	
Pre-commercial thinning		T14N R03W S20	
Pre-commercial thinning		T18N R09W S16	
Pre-commercial thinning		T18N R10W S36	
Pre-commercial thinning		T18N R11W S16	
Pre-commercial thinning		T19N R12W S14	
Pre-commercial thinning		T19N R12W S14	
Pre-commercial thinning		T19N R12W S15	
Pre-commercial thinning		T19N R12W S15	
Pre-commercial thinning		T19N R12W S16	
		T20N R09W S36	
Pre-commercial thinning			
Pre-commercial thinning		T20N R10W S16	
Pre-commercial thinning		T20N R11W S16	
Pre-commercial thinning		T20N R11W S16	
Pre-commercial thinning	10	T20N R12W S28	

Pre-commercial thinning 15	Location	FPA #
<u> </u>	TOAN DOOM CAC	1
Pre-commercial thinning 6	T21N R09W S16	
	T21N R10W S36	
	T21N R10W S36	
South Puget Planning Unit		
	T14N R06E S05	2409475
Timber Harvest - Clear cut	T14N R06E S08	2409475
Timber Harvest - Clear cut 70	T15N R05E S01	2408717
Timber Harvest - Clear cut	T15N R05E S02	2409734
Timber Harvest - Clear cut 25	T15N R05E S02	2409734
Timber Harvest - Clear cut	T15N R05E S03	2409734
Timber Harvest - Clear cut 96	T15N R05E S05	2408438
Timber Harvest - Clear cut 99	T15N R05E S09	2408937
Timber Harvest - Clear cut 94	T15N R06E S08	2409473
Timber Harvest - Clear cut 74	T15N R06E S20	2409487
Timber Harvest - Clear cut 62	T18N R03W S03	2910207
Timber Harvest - Clear cut 62	T18N R03W S05	2910207
Timber Harvest - Clear cut 25	T18N R03W S08	2910207
Timber Harvest - Clear cut 80	T18N R03W S09	2512131
Timber Harvest - Clear cut 68	T18N R03W S22	2511993
Timber Harvest - Clear cut 29	T18N R03W S22	2511993
	T18N R03W S29	2910764
Timber Harvest - Clear cut 88	T18N R04W S15	2511995
	T18N R04W S24	2511995
	T21N R08E S06	2407733
	T21N R08E S06	2407733
	T21N R08E S06	2407733
	T21N R08E S07	2407733
	T22N R02W S04	2409472
	T22N R02W S09	2409472
	T22N R02W S09	2409472
	T22N R02W S18	2409472
	T23N R01W S19	2408969
	T23N R02W S22	2409797
	T23N R02W S32	2409581
	T24N R01W S08	2409372
	T24N R01W S20	2409018
	T24N R01W S21	2409018
	T24N R01W S22	2409018
	T18N R03W S14	2511098
	T18N R03W S26	2510489
	T18N R03W S27	2511098
	T18N R03W S27	2511098
	T18N R03W S28	2510490
	T18N R04W S22	2507855
	T18N R04W S23	2507855
	T18N R04W S24	2511098
	T18N R03W S03	2510480
	T18N R03W S03	2510480
	T18N R04W S24	2910207
	T18N R04W S24	2910207

South Puget Plann	ing Unit	1	
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Salvage cut	3	T21N R07E S20	2410090
Timber Harvest - Salvage cut	2	T21N R07E S20	2410090
Timber Harvest - Salvage cut	10	T21N R07E S20	2410090
Timber Harvest - Salvage cut	15	T21N R07E S20	2410090
Timber Harvest - Selective product logging	41	T18N R03W S30	2510170
Timber Harvest - Selective product logging	7	T18N R03W S36	2512327
Timber Harvest - Selective product logging	15	T18N R03W S36	2512327
Timber Harvest - Selective product logging	7	T18N R03W S36	2512327
Timber Harvest - Selective product logging	3	T23N R02W S15	2409797
Timber Harvest - Shelterwood intermediate cut	36	T24N R01W S09	2409372
Timber Harvest - Variable density thinning	25	T15N R05E S14	2408887
Timber Harvest - Variable density thinning	5	T18N R03W S27	2510170
Timber Harvest - Variable density thinning	16	T18N R03W S27	2510170
Timber Harvest - Variable density thinning	11	T18N R03W S30	2510170
Timber Harvest - Variable density thinning	3	T18N R03W S35	2510170
Timber Harvest - Variable density thinning	13	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	25	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	8	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	10	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	14	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	2	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	27	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	77	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	10	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	5	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	28	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	5	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	57	T21N R08E S06	2407733
Timber Harvest - Variable density thinning	88	T21N R08E S07	2407733
Timber Harvest - Variable density thinning	22	T21N R08E S07	2407733
Timber Harvest - Variable density thinning	31	T21N R08E S07	2407733
Timber Harvest - Variable density thinning	32	T21N R08E S07	2407733
Timber Harvest - Variable density thinning	16	T21N R08E S07	2407733
Timber Harvest - Variable density thinning	65	T21N R08E S07	2407733
Timber Harvest - Variable density thinning		T21N R08E S07	2407733
Timber Harvest - Variable density thinning	49	T21N R08E S08	2407733
Timber Harvest - Variable density thinning	12	T21N R08E S08	2407733
Timber Harvest - Variable density thinning		T21N R08E S08	2407733
Timber Harvest - Variable density thinning	57	T21N R08E S08	2407733
Forest site preparation - Aerial herbicide	48	T18N R04W S15	Missing
Forest regeneration - Hand planting	70	T15N R05E S01	
Forest regeneration - Hand planting		T15N R05E S09	
Forest regeneration - Hand planting		T15N R05E S10	
Forest regeneration - Hand planting		T15N R05E S13	
Forest regeneration - Hand planting		T15N R06E S08	
Forest regeneration - Hand planting		T15N R06E S18	
Forest regeneration - Hand planting		T15N R06E S19	
Forest regeneration - Hand planting		T15N R06E S19	
Forest regeneration - Hand planting	23	T15N R06E S20	
Forest regeneration - Hand planting	14	T15N R06E S20	

South Puget Plann	ing Unit	t	
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	5	T16N R01E S16	
Forest regeneration - Hand planting	33	T16N R01E S16	
Forest regeneration - Hand planting	10	T18N R03W S03	
Forest regeneration - Hand planting	9	T18N R03W S03	
Forest regeneration - Hand planting		T18N R03W S20	
Forest regeneration - Hand planting		T18N R03W S30	
Forest regeneration - Hand planting	17	T18N R03W S34	
Forest regeneration - Hand planting	48	T18N R04W S15	
Forest regeneration - Hand planting		T22N R01W S31	
Forest regeneration - Hand planting		T22N R02W S25	
Forest regeneration - Hand planting		T22N R02W S36	
Forest regeneration - Hand planting		T23N R01W S19	
Forest regeneration - Hand planting		T23N R02W S27	
Forest regeneration - Hand planting		T23N R02W S32	
Forest regeneration - Hand planting		T24N R01W S20	
Forest regeneration - Hand planting		T24N R01W S21	
Forest regeneration - Hand planting		T24N R01W S22	
Forest regeneration - Hand planting		T24N R02W S16	
Forest regeneration - Hand planting		T24N R02W S16	
Forest regeneration - Hand planting		T24N R02W S16	
Forest regeneration - Hand planting		T24N R02W S16	
Forest regeneration - Natural regeneration		T21N R04W S22	
Forest regeneration - Natural regeneration		T21N R07E S20	
Forest regeneration - Natural regeneration		T21N R07E S20	
Forest regeneration - Natural regeneration		T21N R07E S20	
Forest regeneration - Natural regeneration		T21N R07E S20	
Forest regeneration - Natural regeneration		T22N R07E S36	
Forest regeneration - Natural regeneration		T22N R07E S36	
Forest regeneration - Natural regeneration		T22N R07E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R06E S36	
Vegetation management - Ground herbicide		T21N R07E S17	
Vegetation management - Ground herbicide		T23N R01W S16	
Vegetation management - Ground herbicide		T23N R01W S16	
Vegetation management - Ground herbicide		T23N R01W S16	
		T23N R02W S13	
Vegetation management - Ground herbicide Vegetation management - Ground herbicide		T23N R02W S13	
		T23N R02W S13	
Vegetation management - Ground herbicide			
Vegetation management - Ground herbicide		T23N R06E S13	
Vegetation management - Ground herbicide		T23N R06E S13	
Vegetation management - Ground herbicide		T23N R06E S13	
Vegetation management - Ground herbicide	2	T23N R06E S13	

South Puget Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Ground herbicide	9	T23N R06E S13	
Vegetation management - Hand cutting	8	T14N R05E S01	
Vegetation management - Hand cutting	24	T14N R05E S01	
Vegetation management - Hand cutting	14	T14N R05E S01	
Vegetation management - Hand cutting		T14N R05E S12	
Vegetation management - Hand cutting		T14N R06E S06	
Vegetation management - Hand cutting		T14N R06E S06	
Vegetation management - Hand cutting		T14N R06E S07	
Vegetation management - Hand cutting		T14N R06E S07	
Vegetation management - Hand cutting		T14N R06E S08	
Vegetation management - Hand cutting		T14N R06E S08	
Vegetation management - Hand cutting		T15N R05E S14	
Vegetation management - Hand cutting	-	T15N R06E S20	
Vegetation management - Hand cutting		T15N R06E S20	
Vegetation management - Hand cutting		T15N R06E S21	
Vegetation management - Hand cutting		T16N R05E S33	
Vegetation management - Hand cutting		T16N R05E S33	
Vegetation management - Hand cutting		T16N R05E S35	
Vegetation management - Hand cutting		T16N R05E S35	
Vegetation management - Hand cutting		T18N R03E S36	
Vegetation management - Hand cutting		T18N R03E S36	
Vegetation management - Hand cutting		T18N R03E S36	
Vegetation management - Hand cutting		T18N R03E S36	
Vegetation management - Hand cutting		T18N R03W S03	
Vegetation management - Hand cutting		T18N R03W S11	
Vegetation management - Hand cutting		T18N R03W S14	
Vegetation management - Hand cutting		T18N R03W S20	
Vegetation management - Hand cutting		T18N R03W S33	
Vegetation management - Hand cutting		T19N R06E S16	
Vegetation management - Hand cutting		T20N R08E S03	
Vegetation management - Hand cutting		T21N R01E S16	
Vegetation management - Hand cutting		T21N R01E S16	
Vegetation management - Hand cutting		T21N R08E S10	
Vegetation management - Hand cutting		T21N R08E S15	
Vegetation management - Hand cutting		T21N R08E S23	
Vegetation management - Hand cutting		T21N R08E S23	
Vegetation management - Hand cutting		T21N R08E S23	
Vegetation management - Hand cutting		T21N R08E S23	
Vegetation management - Hand cutting		T22N R07E S35	
Vegetation management - Hand cutting		T22N R07E S36	
Vegetation management - Hand cutting		T22N R07E S36	
Vegetation management - Hand cutting		T23N R01E S36	
Vegetation management - Hand cutting		T23N R01W S19	
Vegetation management - Hand cutting		T23N R01W S19	
Vegetation management - Hand cutting Vegetation management - Hand cutting		T23N R01W S19	+
Vegetation management - Hand cutting		T23N R02W S20	
Vegetation management - Hand cutting		T23N R02W S20	
Vegetation management - Hand cutting		T23N R02W S25	
Vegetation management - Hand cutting		T23N R02W S36	1
Vegetation management - Hand cutting	26	T23N R06E S11	

Sithicultural Activity Acres Location FPA # Vegetation management - Hand cutting 7 723N R06E S13 Vegetation management - Hand cutting 9 723N R06E S13 Vegetation management - Hand cutting 2 723N R06E S13 Vegetation management - Hand cutting 18 724N R01W S15 Vegetation management - Hand cutting 19 724N R01W S15 Vegetation management - Hand cutting 31 724N R01W S17 Vegetation management - Hand cutting 31 724N R01W S17 Vegetation management - Hand cutting 4 724N R02W S13 Vegetation management - Hand cutting 4 724N R02W S14 Vegetation management - Hand cutting 11 724N R02W S14 Vegetation management - Hand cutting 11 724N R02W S14 Vegetation management - Hand cutting 11 724N R02W S15 Vegetation management - Hand cutting 13 724N R02W S15 Pre-commercial thinning 30 714N R06E S30 Pre-commercial thinning 30 714N R06E S30 Pre-commercial thinning 40 715N R06E S30 Pre-commercial thinning 55 715N R06E S09 Pre-commercial thinning 17 715N R06E S09 Pre-commercial thinning	South Puget Planning Unit					
Vegetation management - Hand cutting 7 T23N R06E S13 Vegetation management - Hand cutting 9 T23N R06E S13 Vegetation management - Hand cutting 2 T23N R06E S13 Vegetation management - Hand cutting 18 T23N R06E S13 Vegetation management - Hand cutting 18 T24N R01W S15 Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 11 T24N R02W S15				FPA#		
Vegetation management - Hand cutting 9 T23N R06E S13 Vegetation management - Hand cutting 2 T23N R06E S13 Vegetation management - Hand cutting 5 T23N R06E S13 Vegetation management - Hand cutting 18 T24N R01W S15 Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 15 T24N R02W S15	·	7	T23N R06E S13			
Vegetation management - Hand cutting 2 T23N R06E S13 Vegetation management - Hand cutting 5 T23N R06E S13 Vegetation management - Hand cutting 18 T24N R01W S15 Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 31 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 4 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 1 T24N R02W S14 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 <t< td=""><td></td><td>9</td><td>T23N R06E S13</td><td></td></t<>		9	T23N R06E S13			
Vegetation management - Hand cutting 5 T23N R06E S13 Vegetation management - Hand cutting 18 T24N R01W S15 Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Vegetation management - Hand cutting 11 T54N R0E S03 Pre-commercial thinning 1 T15N R0E S03 Pre-commercial thinning 15 T15N R0E S09 Pre-commercial thinning		2	T23N R06E S13			
Vegetation management - Hand cutting 18 T24N R01W S15 Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 30 T14N R06E S30 Pre-commercial thinning 30 T14N R06E S30 Pre-commercial thinning 40 T15N R06E S32 Pre-commercial thinning 40 T15N R06E S09 Pre-commercial thinning 55 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S10 Pre-commercial thinning 19 T15N R06E S10 Pre-commercial thinning 17 T5N R06E S10 Pre-commercial thinning 17 T15N R06E S10 Pre-co		5	T23N R06E S13			
Vegetation management - Hand cutting 19 T24N R01W S17 Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Pre-commercial thinning 30 T14N R06E S30 Pre-commercial thinning 30 T14N R06E S32 Pre-commercial thinning 1 T15N R05E S09 Pre-commercial thinning 40 T15N R06E S09 Pre-commercial thinning 55 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 17 T5N R06E S09 Pre-commercial thinning 17 T5N R06E S10 Pre-commercial thinning 17 T5N R06E S10 Pre-commercial thinning 17 T5N R06E S10 Pre-commercial thinning 17 T5N	<u> </u>					
Vegetation management - Hand cutting 33 T24N R01W S17 Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Pre-commercial thinning 30 T14N R06E S30 Pre-commercial thinning 89 T14N R06E S32 Pre-commercial thinning 11 T15N R06E S09 Pre-commercial thinning 40 T15N R05E S09 Pre-commercial thinning 55 T15N R06E S09 Pre-commercial thinning 13 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S10 Pre-commercial thinning 19 T15N R06E S10 Pre-commercial thinning 1 T20N R07E S01<	·	19	T24N R01W S17			
Vegetation management - Hand cutting 3 T24N R01W S18 Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 1 T24N R02W S15 Vegetation management - Hand cutting 30 T14N R06E S30 Pre-commercial thinning 30 T14N R06E S32 Pre-commercial thinning 1 T15N R06E S09 Pre-commercial thinning 40 T15N R06E S09 Pre-commercial thinning 40 T15N R06E S09 Pre-commercial thinning 32 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 27 T15N R06E S09 Pre-commercial thinning 17 T15N R06E S09 Pre-commercial thinning 27 T15N R06E S09 Pre-commercial thinning 17 T15N R06E S09 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 17 T25N R06E S11		33	T24N R01W S17			
Vegetation management - Hand cutting 15 T24N R02W S13 Vegetation management - Hand cutting 4 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S14 Vegetation management - Hand cutting 11 T24N R02W S15 Vegetation management - Hand cutting 13 T24N R02W S15 Pre-commercial thinning 30 T14N R06E S30 Pre-commercial thinning 89 T14N R06E S32 Pre-commercial thinning 1 T15N R06E S09 Pre-commercial thinning 40 T15N R06E S09 Pre-commercial thinning 32 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 27 T15N R06E S09 Pre-commercial thinning 19 T15N R06E S09 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 17 T15N R06E S10 Pre-commercial thinning 1 T15N R06E S17 Pre-commercial thinning 1 T15N R06E S17 Pre-commercial thinning 1 T20N R07E S01	<u> </u>	3	T24N R01W S18			
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Pre-commercial thinning 17 T20N R07E S12 Pre-commercial thinning 7 T20N R07E S12 Pre-commercial thinning 6 T20N R08E S05 Pre-commercial thinning 20 T20N R08E S05 Pre-commercial thinning 3 T20N R08E S06 Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08						
Pre-commercial thinning 7 T20N R07E S12 Pre-commercial thinning 6 T20N R08E S05 Pre-commercial thinning 20 T20N R08E S05 Pre-commercial thinning 3 T20N R08E S06 Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08						
Pre-commercial thinning 6 T20N R08E S05 Pre-commercial thinning 20 T20N R08E S05 Pre-commercial thinning 3 T20N R08E S06 Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08						
Pre-commercial thinning 20 T20N R08E S05 Pre-commercial thinning 3 T20N R08E S06 Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08						
Pre-commercial thinning 3 T20N R08E S06 Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08						
Pre-commercial thinning 9 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	5					
Pre-commercial thinning 4 T20N R08E S06 Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning 39 T20N R08E S06 Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning 31 T20N R08E S06 Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning 10 T20N R08E S06 Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning 4 T20N R08E S07 Pre-commercial thinning 44 T20N R08E S07 Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning44 T20N R08E S07Pre-commercial thinning2 T20N R08E S07Pre-commercial thinning66 T20N R08E S08	-					
Pre-commercial thinning 2 T20N R08E S07 Pre-commercial thinning 66 T20N R08E S08	-					
Pre-commercial thinning 66 T20N R08E S08	-					
<u> </u>	-					
procommercial uniming Offzon Noch 200	Pre-commercial thinning		T20N R08E S08			

South Puget Plann	ing Unit	<u> </u>	
Silvicultural Activity	Acres	Location	FPA#
Pre-commercial thinning	49	T20N R08E S15	
Pre-commercial thinning	57	T20N R08E S15	
Pre-commercial thinning	35	T20N R08E S18	
Pre-commercial thinning	29	T20N R08E S18	
Pre-commercial thinning	10	T21N R07E S36	
Pre-commercial thinning	31	T21N R08E S07	
Pre-commercial thinning	14	T21N R08E S07	
Pre-commercial thinning	54	T21N R08E S18	
Pre-commercial thinning	6	T21N R08E S19	
Pre-commercial thinning	4	T21N R08E S19	
Pre-commercial thinning	11	T21N R08E S19	
Pre-commercial thinning	56	T21N R08E S30	
Pre-commercial thinning	9	T21N R08E S31	
Pre-commercial thinning	23	T21N R08E S31	
Pre-commercial thinning	5	T21N R08E S31	
Pre-commercial thinning	10	T21N R08E S31	
Pre-commercial thinning	36	T21N R08E S31	
Pre-commercial thinning	24	T21N R08E S32	
Pre-commercial thinning	41	T22N R02W S03	
Pre-commercial thinning	36	T22N R03W S13	
Pre-commercial thinning	58	T23N R02W S14	
Pre-commercial thinning	57	T23N R02W S23	
Pre-commercial thinning	11	T23N R02W S27	
Pre-commercial thinning	5	T23N R02W S27	
Pre-commercial thinning	35	T24N R02W S02	
Straits Planning			
Timber Harvest - Clear cut	3	T23N R03W S05	2409474
Timber Harvest - Clear cut	87	T23N R03W S05	2409474
Timber Harvest - Clear cut	31	T23N R03W S07	2409017
Timber Harvest - Clear cut	36	T23N R03W S07	2409017
Timber Harvest - Clear cut		T23N R03W S07	2409017
Timber Harvest - Clear cut		T23N R03W S08	2409474
Timber Harvest - Clear cut	5	T23N R03W S08	2409474
Timber Harvest - Clear cut	61	T23N R03W S08	2409474
Timber Harvest - Clear cut	46	T23N R03W S08	2409017
Timber Harvest - Clear cut	56	T23N R04W S01	2409504
Timber Harvest - Clear cut	57	T23N R04W S12	2409504
Timber Harvest - Clear cut	71	T23N R04W S14	2409640
Timber Harvest - Clear cut	98	T23N R04W S21	2409506
Timber Harvest - Clear cut	19	T23N R04W S22	2409506
Timber Harvest - Clear cut	33	T23N R04W S26	2409028
Timber Harvest - Clear cut	56	T23N R04W S26	2409028
Timber Harvest - Clear cut		T23N R04W S26	2409028
Timber Harvest - Clear cut	72	T24N R03W S02	2408262
Timber Harvest - Clear cut	2	T24N R03W S02	2408262
Timber Harvest - Clear cut	188	T24N R03W S02	2408262
Timber Harvest - Clear cut		T24N R03W S11	2408262
Timber Harvest - Clear cut	87	T24N R03W S15	2409585
Timber Harvest - Clear cut	15	T24N R03W S20	2408801
Timber Harvest - Clear cut	50	T24N R03W S20	2408801

Straits Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Clear cut	37	T27N R02W S15	2605221
Timber Harvest - Clear cut	66	T27N R02W S15	2605221
Timber Harvest - Clear cut	59	T28N R01E S07	2605792
Timber Harvest - Clear cut	8	T28N R01E S07	2605792
Timber Harvest - Clear cut	48	T28N R01E S07	2605792
Timber Harvest - Clear cut	24	T28N R01E S28	2606070
Timber Harvest - Clear cut	46	T28N R01E S28	2606070
Timber Harvest - Clear cut	14	T30N R06W S25	2606448
Timber Harvest - Clear cut	44	T30N R08W S12	2605724
Timber Harvest - Clear cut	42	T30N R09W S03	2605026
Timber Harvest - Clear cut	86	T31N R08W S27	2605841
Forest site preparation - Ground herbicide		T30N R08W S12	
Forest site preparation - Ground herbicide	42	T30N R09W S03	
Forest site preparation - Pile and burn		T27N R02W S15	
Forest site preparation - Pile and burn		T27N R02W S15	
Forest site preparation - Pile and burn		T28N R01W S31	
Forest site preparation - Pile and burn		T28N R01W S31	
Forest site preparation - Pile and burn		T28N R01W S31	
Forest site preparation - Pile and burn		T29N R05W S14	
Forest site preparation - Pile and burn		T30N R01W S08	
Forest site preparation - Pile and burn		T30N R04W S29	
Forest site preparation - Pile and burn		T30N R04W S31	
Forest site preparation - Pile and burn		T30N R04W S32	
Forest site preparation - Pile and burn		T30N R04W S32	
Forest site preparation - Pile and burn		T30N R04W S36	
Forest site preparation - Pile and burn		T30N R05W S35	
Forest site preparation - Pile and burn		T30N R05W S36	
Forest site preparation - Pile and burn		T30N R06W S21	
Forest site preparation - Pile and burn		T30N R06W S28	
Forest site preparation - Pile and burn		T30N R06W S32	
Forest site preparation - Pile and burn		T30N R06W S33	
Forest regeneration - Hand planting		T23N R03W S07	
Forest regeneration - Hand planting		T23N R03W S07	
Forest regeneration - Hand planting		T23N R03W S07	
Forest regeneration - Hand planting		T23N R03W S08	
Forest regeneration - Hand planting		T23N R04W S01	
Forest regeneration - Hand planting		T23N R04W S12	
Forest regeneration - Hand planting		T23N R04W S26	
Forest regeneration - Hand planting		T23N R04W S26	
Forest regeneration - Hand planting		T23N R04W S26	
Forest regeneration - Hand planting		T24N R03W S01	
Forest regeneration - Hand planting		T24N R03W S02	
Forest regeneration - Hand planting		T24N R03W S02	
Forest regeneration - Hand planting		T24N R03W S02	
Forest regeneration - Hand planting		T24N R03W S11	
Forest regeneration - Hand planting		T24N R03W S20	
Forest regeneration - Hand planting		T24N R03W S20	
Forest regeneration - Hand planting		T24N R03W S31	
Forest regeneration - Hand planting		T25N R03W S36	
Forest regeneration - Hand planting	6	T25N R03W S36	

Straits Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Forest regeneration - Hand planting	66	T27N R02W S15	
Forest regeneration - Hand planting	32	T27N R02W S15	
Forest regeneration - Hand planting	25	T27N R02W S16	
Forest regeneration - Hand planting	36	T27N R02W S28	
Forest regeneration - Hand planting		T28N R01E S07	
Forest regeneration - Hand planting		T28N R01E S07	
Forest regeneration - Hand planting	48	T28N R01E S07	
Forest regeneration - Hand planting	24	T28N R01E S28	
Forest regeneration - Hand planting	46	T28N R01E S28	
Forest regeneration - Hand planting		T28N R01W S34	
Forest regeneration - Hand planting		T29N R02W S16	
Forest regeneration - Hand planting		T29N R04W S14	
Forest regeneration - Hand planting		T29N R05W S14	
Forest regeneration - Hand planting		T30N R01W S08	
Forest regeneration - Hand planting		T30N R04W S32	
Forest regeneration - Hand planting		T30N R05W S36	
Forest regeneration - Hand planting		T30N R06W S21	
Forest regeneration - Hand planting		T30N R06W S32	
Forest regeneration - Hand planting		T30N R06W S33	
Forest regeneration - Hand planting		T30N R08W S12	
Forest regeneration - Hand planting		T30N R09W S03	
Forest regeneration - Hand planting		T31N R10W S25	
Forest regeneration - Natural regeneration		T21N R04W S22	
Forest regeneration - Natural regeneration		T21N R04W S22	
Forest regeneration - Natural regeneration		T21N R04W S22	
Forest regeneration - Natural regeneration		T21N R04W S22	
Forest regeneration - Natural regeneration		T24N R03W S04	
Vegetation management - Ground herbicide		T23N R04W S21	
Vegetation management - Ground herbicide		T24N R03W S01	
Vegetation management - Ground herbicide		T24N R03W S01	
Vegetation management - Ground herbicide		T25N R03W S36	
Vegetation management - Ground herbicide		T25N R03W S36	
Vegetation management - Ground herbicide		T27N R01W S17	
Vegetation management - Ground herbicide		T27N R01W S27	
Vegetation management - Ground herbicide		T27N R02W S16	
Vegetation management - Ground herbicide		T27N R02W S21	
Vegetation management - Ground herbicide		T27N R02W S22	
Vegetation management - Ground herbicide		T27N R02W S25	
Vegetation management - Ground herbicide		T27N R02W S28	
Vegetation management - Ground herbicide		T27N R02W S28	
Vegetation management - Ground herbicide		T28N R02W S36	
Vegetation management - Ground herbicide		T28N R02W S36	
Vegetation management - Ground herbicide Vegetation management - Ground herbicide		T29N R02W S17	
Vegetation management - Ground herbicide		T29N R02W S17	
Vegetation management - Ground herbicide		T29N R04W S14	
Vegetation management - Ground herbicide		T29N R05W S02	
Vegetation management - Ground herbicide		T29N R05W S10	
Vegetation management - Ground herbicide		T30N R07W S19	
Vegetation management - Ground herbicide		T30N R07W S20	
Vegetation management - Ground herbicide	12	T30N R08W S14	

Straits Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Vegetation management - Ground herbicide	5	T30N R08W S14	
Vegetation management - Ground herbicide	21	T30N R08W S20	
Vegetation management - Ground herbicide	58	T30N R08W S22	
Vegetation management - Ground herbicide	50	T30N R08W S24	
Vegetation management - Ground herbicide	39	T30N R09W S06	
Vegetation management - Ground herbicide	31	T31N R09W S30	
Vegetation management - Ground herbicide	66	T31N R09W S31	
Vegetation management - Ground herbicide	50	T31N R10W S25	
Vegetation management - Hand cutting	9	T22N R04W S03	
Vegetation management - Hand cutting		T23N R04W S15	
Vegetation management - Hand cutting		T23N R04W S23	
Vegetation management - Hand cutting		T23N R04W S23	
Vegetation management - Hand cutting		T24N R03W S02	
Vegetation management - Hand cutting		T24N R03W S15	
Vegetation management - Hand cutting		T30N R07W S10	
Pre-commercial thinning		T27N R01E S17	
Pre-commercial thinning		T27N R01E S17	
Pre-commercial thinning		T27N R01W S09	
Pre-commercial thinning		T27N R01W S09	
Pre-commercial thinning		T27N R01W S09	
Pre-commercial thinning		T27N R01W S09	
Pre-commercial thinning		T27N R01W S10	
Pre-commercial thinning		T27N R01W S10	
Pre-commercial thinning		T27N R01W S10	
Pre-commercial thinning		T27N R01W S10	
Pre-commercial thinning		T27N R01W S22	
Pre-commercial thinning		T27N R02W S26	
Pre-commercial thinning		T28N R01E S07	
Pre-commercial thinning		T28N R01E S07	
Pre-commercial thinning		T28N R01E S07	
Pre-commercial thinning		T28N R01E S28	
Pre-commercial thinning		T28N R01W S05	
Pre-commercial thinning		T28N R01W S05	
Pre-commercial thinning		T28N R01W S16	
Pre-commercial thinning		T28N R01W S16	
Pre-commercial thinning		T28N R01W S34	
Pre-commercial thinning		T28N R02W S12	
Pre-commercial thinning		T28N R02W S12	
Pre-commercial thinning		T29N R02W S07	
Pre-commercial thinning		T29N R02W S07	
Pre-commercial thinning		T29N R02W S07	
Pre-commercial thinning		T29N R02W S07	
Pre-commercial trimming Pre-commercial thinning		T29N R02W S19	
Pre-commercial trimming Pre-commercial thinning		T29N R02W S19	
Pre-commercial trimming Pre-commercial thinning		T29N R02W S20	
		T29N R02W S29	
Pre-commercial thinning			
Pre-commercial thinning		T29N R03W S05	
Pre-commercial thinning		T29N R03W S09	
Pre-commercial thinning		T29N R03W S11	
Pre-commercial thinning	62	T29N R03W S14	

Straits Planning Unit				
Silvicultural Activity	Acres	Location	FPA#	
Pre-commercial thinning	33	T29N R03W S16		
Pre-commercial thinning	57	T29N R03W S16		
Pre-commercial thinning-	58	T29N R04W S07		
Pre-commercial thinning	20	T29N R04W S09		
Pre-commercial thinning	54	T29N R04W S09		
Pre-commercial thinning	18	T29N R04W S11		
Pre-commercial thinning	59	T29N R04W S11		
Pre-commercial thinning	63	T29N R04W S14		
Pre-commercial thinning	87	T29N R05W S10		
Pre-commercial thinning	81	T29N R05W S15		
Pre-commercial thinning	92	T30N R04W S19		
Pre-commercial thinning	10	T30N R04W S31		
Pre-commercial thinning	8	T30N R04W S32		
Pre-commercial thinning	7	T30N R04W S33		
Pre-commercial thinning	8	T30N R04W S33		
Pre-commercial thinning	9	T30N R04W S33		
Pre-commercial thinning	7	T30N R04W S36		
Pre-commercial thinning	24	T30N R05W S24		
Pre-commercial thinning	86	T30N R05W S24		
Pre-commercial thinning	36	T30N R05W S26		
Pre-commercial thinning		T31N R08W S27		
Pre-commercial thinning		T31N R08W S34		
Yakima Planning				
Timber Harvest - Late rotation thinning		T19N R19E S24	2702902	
Timber Harvest - Late rotation thinning	23	T19N R19E S24	2702902	
Timber Harvest - Late rotation thinning	24	T19N R19E S24	2702902	
Timber Harvest - Late rotation thinning	18	T19N R19E S24	2702902	
Timber Harvest - Late rotation thinning	39	T19N R19E S24	2702902	
Timber Harvest - Late rotation thinning	367	T20N R16E S16	2702790	
Timber Harvest - Late rotation thinning	50	T20N R19E S34	2703048	
Timber Harvest - Salvage cut	38	T12N R14E S24	2702795	
Timber Harvest - Salvage cut	91	T12N R15E S20	2702795	
Timber Harvest - Salvage cut	338	T12N R15E S20	2702795	
Timber Harvest - Salvage cut	135	T15N R16E S06	2703119	
Timber Harvest - Salvage cut	164	T15N R16E S08	2703119	
Timber Harvest - Salvage cut	50	T15N R16E S08	2703119	
Timber Harvest - Salvage cut	30	T15N R16E S16	2703119	
Timber Harvest - Salvage cut	54	T15N R16E S16	2703119	
Timber Harvest - Salvage cut	37	T15N R16E S16	2703119	
Timber Harvest - Seed tree intermediate cut	158	T21N R20E S36	2702703	
Timber Harvest - Seed tree intermediate cut	16	T21N R21E S32	2702248	
Timber Harvest - Shelterwood intermediate cut	68	T20N R16E S16	2702790	
Timber Harvest - Shelterwood intermediate cut	91	T20N R16E S16	2702790	
Timber Harvest - Shelterwood intermediate cut	22	T20N R16E S16	2702790	
Timber Harvest - Shelterwood intermediate cut	65	T20N R19E S34	2703048	
Timber Harvest - Uneven-aged management	244	T11N R13E S02	2701641	
Timber Harvest - Uneven-aged management		T12N R14E S02	2702105	
Timber Harvest - Uneven-aged management		T12N R14E S02	2702105	
Timber Harvest - Uneven-aged management		T12N R15E S20	2702795	
Timber Harvest - Uneven-aged management		T20N R21E S32	2701995	

Yakima Planning	Unit		
Silvicultural Activity	Acres	Location	FPA#
Timber Harvest - Uneven-aged management	92	T20N R21E S32	2701995
Timber Harvest - Uneven-aged management	39	T21N R20E S36	2702703
Timber Harvest - Uneven-aged management	96	T21N R21E S30	2702248
Forest site preparation - Ground mechanical	38	T12N R14E S24	2702725
Forest site preparation - Ground mechanical	338	T12N R15E S20	
Forest site preparation - Ground mechanical	91	T12N R15E S20	2702725
Forest site preparation - Ground mechanical	33	T12N R15E S20	
Forest site preparation - Ground mechanical	23	T19N R19E S24	2702902
Forest site preparation - Ground mechanical	24	T19N R19E S24	2702902
Forest site preparation - Ground mechanical	18	T19N R19E S24	2702902
Forest site preparation - Ground mechanical	42	T19N R19E S24	2702902
Forest site preparation - Ground mechanical	39	T19N R19E S24	2702902
Forest site preparation - Ground mechanical	65	T20N R19E S34	2703048
Forest site preparation - Ground mechanical	50	T20N R19E S34	2703048
Forest site preparation - Ground mechanical	96	T21N R21E S30	
Forest site preparation - Ground mechanical	16	T21N R21E S32	
Forest regeneration - Hand planting	0	T12N R14E S16	
Forest regeneration - Hand planting	2	T12N R14E S16	
Forest regeneration - Hand planting	65	T12N R14E S16	
Forest regeneration - Hand planting	118	T12N R14E S16	
Forest regeneration - Hand planting	5	T12N R14E S16	
Forest regeneration - Hand planting	4	T12N R14E S16	
Forest regeneration - Hand planting	2	T12N R14E S16	
Forest regeneration - Hand planting	7	T12N R14E S16	
Forest regeneration - Hand planting	20	T12N R14E S24	
Forest regeneration - Hand planting	3	T12N R15E S18	
Forest regeneration - Hand planting	26	T12N R15E S18	
Forest regeneration - Hand planting	338	T12N R15E S20	
Forest regeneration - Hand planting	100	T13N R14E S26	
Forest regeneration - Hand planting	11	T17N R16E S30	
Forest regeneration - Hand planting	25	T17N R16E S30	
Forest regeneration - Hand planting	4	T17N R16E S32	
Forest regeneration - Hand planting		T17N R16E S32	
Forest regeneration - Hand planting		T20N R16E S16	
Forest regeneration - Hand planting		T20N R16E S16	
Forest regeneration - Hand planting		T20N R16E S16	
Forest regeneration - Hand planting	16	T20N R19E S12	
Forest regeneration - Hand planting		T20N R19E S12	
Forest regeneration - Hand planting		T20N R19E S12	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Hand planting		T20N R20E S24	
Forest regeneration - Natural regeneration		T12N R14E S02	
Forest regeneration - Natural regeneration		T12N R14E S34	
Forest regeneration - Natural regeneration		T12N R14E S34	
Forest regeneration - Natural regeneration		T12N R15E S20	
Forest regeneration - Natural regeneration	91	T12N R15E S20	

Yakima Planning Unit				
Silvicultural Activity	Acres	Location	FPA#	
Pre-commercial thinning		T12N R14E S24		
Pre-commercial thinning	578	T13N R14E S24		
Pre-commercial thinning	110	T16N R16E S02		
Pre-commercial thinning	102	T16N R16E S18		
Pre-commercial thinning	508	T16N R16E S22		
Pre-commercial thinning	44	T16N R16E S26		
Pre-commercial thinning	135	T16N R16E S26		
Pre-commercial thinning	25	T17N R16E S24		
Pre-commercial thinning	50	T19N R20E S08		
Pre-commercial thinning	200	T19N R21E S08		
Pre-commercial thinning	34	T20N R19E S36		
Pre-commercial thinning	38	T20N R20E S24		
Pre-commercial thinning	12	T20N R20E S24		
Pre-commercial thinning	33	T20N R20E S24		
Pre-commercial thinning	7	T20N R20E S24		
Pre-commercial thinning	111	T20N R20E S30		
Pre-commercial thinning	117	T20N R20E S30		
Pre-commercial thinning	6	T20N R21E S28		
Pre-commercial thinning	9	T20N R21E S30		
Pre-commercial thinning	43	T20N R21E S30		
Pre-commercial thinning	12	T20N R21E S30		

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