BASIC FOREST MANAGEMENT PLAN

Mount Emily Recreation Area Management Plan



Landowner Name
Period Covered by the Plan

Union County

9/30/2025 - 9/30/2035 Period Plan Covers

Table of Contents [click "update table" to update w/ correct page #'s] **NOTE TO LANDOWNER LANDOWNER, PROPERTY & PLAN INFO IDENTIFY PROBLEMS DETERMINE OBJECTIVES** 9 Current Uses.......9 Management Objectives9 **INVENTORY RESOURCES** 11 ANALYZE RESOURCE DATA 44 Water Resources 46 Threatened & Endangered Species/Desired Wildlife Species/ Undesired Wildlife Species48 Roads/Trails51 **FORMULATE ALTERNATIVES** 57 **EVALUATE ALTERNATIVES** 60 Schedule of Planned Actions62 Schedule of Planned Actions.......63 Schedule of Planned Actions......64 Schedule of Planned Actions......65 Schedule of Planned Actions......67 Schedule of Planned Actions68

Schedule of Planned Actions	71	
Schedule of Planned Actions	72	
Schedule of Planned Actions	73	
Schedule of Planned Actions	74	
Schedule of Planned Actions	75	
Schedule of Planned Actions	76	
Schedule of Planned Actions	77	
Schedule of Planned Actions	78	
Schedule of Planned Actions	79	
MAKING DECISIONS	8	3
Monitoring Plan	83	
Where to get help	83	
SIGNATURE PAGE	8	5
Appendix A	8	6
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	8	6
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	8	8
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	8	9
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	1
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	2
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	4
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	5
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	7
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	9	8
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	0
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	1
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	3
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	4
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	6
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	7
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	10	9
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	0
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	2
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	3
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	.5
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	6
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	11	8.

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	119
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	120
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	122
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	123
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	125
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	126
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	128
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	129
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	131
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	132
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	134
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	135
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS	137

NOTE TO LANDOWNER

You have taken a key step to managing your forest by deciding to do a **Basic Forest Management Plan** for your property. Now that you have a Plan completed – you may be eligible for several other programs and opportunities available to you as a forest landowner in Northeast Oregon. **Please contact your local stewardship forester to learn more** (see "Where to Get Help").

This plan is an educational resource/tool designed to help provide general guidance as you decide how to manage your land and forest. However, you are under no obligation to complete the items suggested in this plan.

LANDOWNER, PROPERTY & PLAN INFO

Landowner:	Union County			
Name of Landown	er Contact:	Jos	sh Ford Mount Emil	y Recreation Area Coordinator
Landowner Contac	ct Address		Phone:	541-963-1319
10513 N McAllis	ter Road		Cell:	
Island City, OR 9	7850		E-Mail:	jford@union-county.org
			Web Address:	https://www.meetmera.org/

LAND INFORMATION

	operty ime:	Mount E	mily Recreat	ion Area				Ele	vation:	3,000′ – 5,600′	
	To	tal Acres:	3,700			Fore	stland A	cres:	3,5	30	
Ad	ldress:				County: Union						
		0513 N McAl land City, OF			De	Legal escription		24, 25	Townshi	7E Sections ip 2S Range .8, 20	
	St	ructural Fir	e Protectio	n District:	None						
		Forest Fir	e Protectio	n District:	La Grande ODF						
			Watersh	ed Name:	Lower Grande Ronde HUC# 17060106						
		Tax Lot	t Informatio	on (Add for	All T	ax Lots Mal	king Up th	ne Par	cel)		
#	800 in 2 2S Rang Tax Lot	s 500 and Fownship ge 37E and s 1200 and Township I Range	Zoning:	A4 – Timber Grazing		Propei Classific	rty Tax cation:	7D -	- Dry		

IDENTIFY PROBLEMS

Background & History

The Mount Emily Recreation Area (MERA), was purchased by Union County in November of 2008 for its recreational values and resource management opportunities. The purchase was made possible by grants from the Oregon State Parks and Recreation Department ATV grant program and the Blue Mountain Habitat Restoration Grant Program. Since its purchase the MERA, has become extremely popular with Northeast Oregon residents and visitors from around the Northwest. The MERA has become one of the most stated reasons for people visiting Union County, according to the Chamber of Commerce.

Since the MERA purchase in 2008, a 45-mile non-motorized trail system with three trailheads has been developed. These non-motorized trails provide opportunities for mountain biking, hiking, trail running, dog walking and horseback riding. A 45-mile motorized trail system also has been developed with trailhead, staging area, campground and a youth learning loop. The motorized trails provide riding opportunities for ATV's, full-sized off-road vehicles, motorcycles and side by sides. Also, within the MERA's boundaries, 100 acres is leased to the Grande Ronde Bowman archery club, whose mission is to promote the sport of bow hunting and host archery tournaments.

In 2012 the Oregon Society of American Foresters, Blue Mountain Chapter developed the original the MERA Management Plan to give the MERA guidance in managing its natural resources and a part time professional forester was contracted. Since that time several timber sales and/or projects with the various goals of improving forest health, reducing hazardous fuels and creating fuels breaks have been completed. The Oregon Department of Forestry has worked cooperatively with the MERA helping with project design. A grazing program was also implemented for several years on the MERA but currently is not active.

Prior to its purchase by Union County, the MERA had a long history of use by the residents of the local area. This use started originally with several tribes of indigenous people including the Umatilla, Cayuse, Nez Perez and Paiutes. These tribes primary use was for hunting and gathering purposes.

The area was then used by American emigrants settling the area in the mid 1800's, mainly for the valuable timber and grazing resources. A few homestead sites were established but later abandoned.

The area was eventually was, owned, and managed primarily for timber production and grazing by several private entities, starting with the Mount Emily Lumber Company followed by Boise Cascade Corporation and finally Forest Capital Inc/Emanuel Life.

Since its purchase in 2008, two important factors affecting MERA's management direction have become more evident. They are the MERA's ever-increasing popularity as a recreation destination and an ever-increasing need to manage the MERA for wildland fire risk by improving the area's fire resistance and resiliency. These changes make this a good time to review and update the MERA Forest Management Plan.

General Description (including terrain & topography)

The MERA property is located approximately three miles north of the city of La Grande, Oregon. The property sits on the slopes of Mount Emily, which are part of the Blue Mountains. The MERA is part of the Lower Grande Ronde River watershed.

Elevation ranges from about 3,000 feet to 5,600 feet above sea level. The topography ranges from gentle to very steep, and includes a band of rock outcrops and cliffs approximately one and a half miles in length, which give Mount Emily its distinctive profile. About half the area comprising the MERA has east and southeasterly aspects and the remaining areas have west to southwesterly aspects. The MERA is dissected by numerous small drainages that are seasonal non-fish bearing streams with the exception of a portion of Conley Creek which is a year-round stream with no fish present.

The MERA is predominantly forested, of the 3,700 acres approximately 3,500 acres are forested. The forested acres are comprised of two forest types (Ecology and Management of Eastern Oregon Forests, Oregon State University). The two forest types are the Warm Dry Mixed Conifer (WDMC) and the Cool Moist Mixed Conifer (CMMC). The WDMC type is predominantly found at lower elevations on the southern and eastern parts of the MERA. The CMMC type is found predominantly at upper elevations on the western and northern parts of the MERA.

The WDMC stands are stocked primarily with ponderosa pine and Douglas-fir with lesser amounts of grand fir, western larch and lodge pole pine. The understory component is dominated by a wide array of shrubs including; common snowberry, ninebark, oceanspray, spirea, service berry, three stemmed ceanothus, snowbrush, and Scouler's willow. The most common grasses and sedges include; pine grass, Columbia brome and elk sedge. The most common forbs present are various lupines, and heart leaf arnica.

The CMMC stands are stocked primarily with Ponderosa pine, Douglas-fir, grand fir, and western larch with lesser amounts of lodge pole pine and Engelmann spruce. The understory component is dominated by an array of shrubs including; big huckleberry, Oregon boxwood, princess pine, three stemmed ceanothus, snowbrush, mountain ash, pacific yew and Scouler's willow. The most common grasses and sedges include; pine grass, mountain and Columbia brome, elk sedge and northwest sedge. The most common forbs present are various lupines, and heart leaf arnica and twinflower.

Forest Health Conditions

The overall forest health conditions, including wildfire risk for the MERA property are generally good. Previous timber management activities, including; selective cutting, commercial thinning, even-aged type harvests, tree planting (ponderosa pine and western larch) and pre-commercial thinning has resulted in most timbered stands being stocked with a good mix of fire-resistant species (ponderosa pine, western larch and Douglas-fir).

Most stands were previously harvested using whole tree yarding and landing piles, which were burned, leaving generally light fuels loading.

Pre-commercial thinning was mainly accomplished by mastication with lesser amounts of hand thinning followed by pile burning and also resulting in light fuel loading.

The most common insect and disease problems identified on the MERA property are as follows; dwarf mistle-toe (ponderosa pine, Douglas-fir, western larch), western gall rust (ponderosa pine, lodge pole pine), root disease (grand fir and Douglas-fir), bark beetles (ponderosa pine, Douglas-fir and grand fir) and larch case-bearer (western larch). Past harvests and pre-commercial thinning have attempted to address these insect and disease issues and kept them at endemic levels.

The main forest health issues needing to be address are as follows;

- Stand density management, to maintain acceptable growth/mortality rates, good early seral species
 composition, maintain insect and disease problems at endemic levels and manage fuels build-up.
- Increase in the number of snags and down logs/acre to improve wildlife habitat.
- The re-introduction of fire into the landscape using prescribed fire to improve the landscapes fire resiliency and resistance.

Approximately 40% of the MERA stands, requiring density management are good candidates for precommercial thinning using mechanical and non-mechanical methods. Pre-commercial thinning project goals would be to:

- Achieve acceptable stand densities based on forest type, species and average stand diameter (see Ecology and Management of Eastern Oregon Forests, Oregon State University)
- Promote acceptable growth/mortality rates
- Good fire-resistant species composition
- Target for removal insect or disease infested trees, late seral species or physically damaged trees
- Maintaining fuel loading at acceptable levels through mastication or hand piling and burning.

Approximately 35% of the MERA stands, have reached average stand diameters that will require commercial harvest within the next 5 to 15 years. Commercial harvest project goals would be to;

- Achieve acceptable stand densities based on forest type, species and average stand diameter (see Ecology and Management of Eastern Oregon Forests, Oregon State University)
- Promote acceptable growth/mortality rates
- Good fire-resistant species composition
- Target for removal insect or disease infested trees, late seral species, physically damaged trees or trees
 with crown ratios less than 45%
- Maintaining fuel loading at acceptable levels with various slash treatments.

Approximately 20% of the MERA stands have no treatments assigned to achieve other MERA objectives such as wildlife habitat or are considered to be non-forest types.

All projects whether commercial or non-commercial entries need to be designed so as to reflect the other stated objectives for the MERA property.

DETERMINE OBJECTIVES

Current Uses

Recreation

Non-motorized

- Hiking
- Mountain biking
- Equestrian
- Running
- Education
- Archery
- Events

Motorized

- Motorcycles
- Side by side
- ATV
- Full sized 4WD
- Education/Safety
- Camping

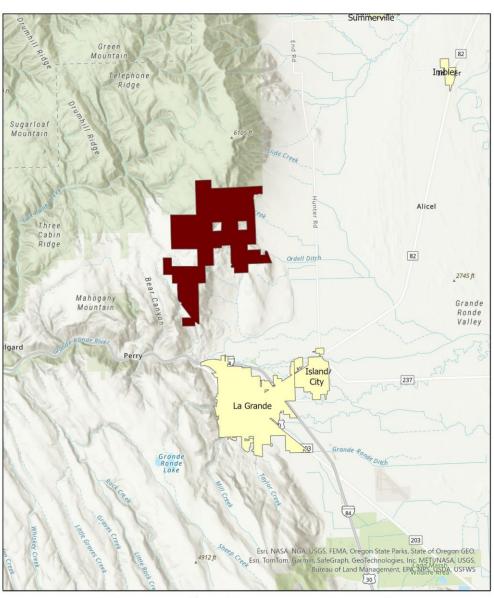
Grazing (currently inactive)

Timber Management

Education

Management Objectives

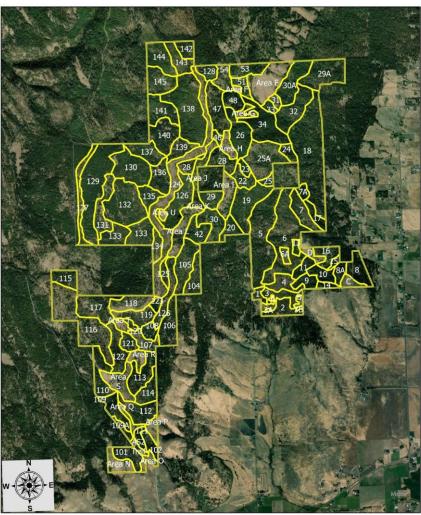
- Recreation
- Aesthetics
- Forest Health
- Fire Resistance and Resiliency
- Wildlife and habitat Diversity





Mt Emily Recreation Area Vicinity Map

INVENTORY RESOURCES



Mt Emily Recreation Area Timber Types

Forest Stand Characteristics

Chan d		Forest T	ype / Species	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Notes
1			PP 99		L1: 10 – 22" dbh, 17" avg.	95 - 120	50	36 - 54			
В						1				SEV, F, P,	Harvest ~ 2022 with SPC with
	9	WDMC	PP 50 DF 50	м	L2: 5 – 10" dbh, 7" avg.	35 -50	30	25	M (slash,	TR, BB, RD,	masticator, acceptable
	_								litter)	DM, GR, NW	growth, evaluate harvest in ~
			PP 60 DF 40		L3: 2 – 4" dbh, 3" avg.	25	25	25		NW	15 years. Possible Rx burn.
2			PP 99		L1: 16 – 26" dbh, 22" avg.	95	37	23 - 34			
В										F D TD DD	Harvest ~ 2022, needs,
	24	WDMC	PP 40 DF 60	М	L2: 7 – 10" dbh, 8" avg.	55	7	5	L (grass	F, P, TR, BB, DM, GR,	acceptable growth, evaluate
									and litter)	NW	harvest in ~ 15 years. Possible Rx burn.
			PP 70 DF 30		L3: \$ - 4" dbh	5 - 25	<25	150			AX DUITI.
3 3A			PP 99 DF 1		L1: 10 -20" dbh, 15" avg.	50	63	57 - 84	_		
3B									_	F, P (3B),	Harvest ~ 2022, good growth,
В	26	WDMC		М	L2:				L (grass	TR, GR, DM,	evaluate harvest in ~ 15 years.
									and litter)	SEV, RI, NW	Possible Rx burn.
					L3:						
4			PP 99 DF 1		14 44 20" 11 40"	0.5	20	26 54			
4 B			PP 99 DF 1		L1 : 14 – 28" dbh, 19"avg	95	30	36 - 54			
						<u>† </u>			1		Harvest ~ 2022, SPC and pile 2024 completed, good growth,
	25	WDMC	PP 90 DF 10		L2: 5 -14" dbh, 7" avg	35 - 55	15	15	L (grass	DM, GR, TR	burn piles 2025, evaluate
									and litter)		harvest in ~ 15 years. Possible
					L3: \$	5 - 10	5	5			Rx burn.

Forest Type/Tree Species: WDMC – warm, dry, mixed conifer; CMMC – cool, moist, mixed, conifer; PP – Ponderosa Pine; DF – Douglas Fir; LP – Lodgepole Pine; GF – Grand Fir; ES – Engelmann Spruce; WL – Western Larch; WJ – Western Juniper; OTH – Other, Layer (L1, L2, L3) – Each layer represents a distinct age or size class in the stand (i.e. 25 – 35 years old or 18 – 24′ dbh)

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; Cl – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40% dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, B Commercial thinning treatment within 5 years, D Wildlife emphasis or no-forest type, E Administrative site

Stand		Forest T	ype / Sp	ecies	Stand	Trees per /	Acre (TPA)	by Age Class	;		Special Resources	
#/ Class	# of Acres	Forest Type	(ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Notes
5 A/C			PP 60 GF 5	DF 35 WL T		L1: 16 – 24"dbh, 21" avg.	90 -120	40	36 - 54			Harvest ~ 2010, good growth,
A/C			GI 3	WL I							P, F, AC, SP,	harvest in ~ 5 years followed by a SPC and pile or
	116	WDMC	PP 35	DF 30	M	L2 : 5 – 16" dbh, 10" avg.	35 - 55	38	45 -67	L (litter)	TR, ST, RD,	mastication. Alternative is SPC
			GF 35	WLT							BB, GR	w/ hand pile or mastication.
			PP 30 GF 35	DF 35		L3 : \$ - 4' dbh	5 - 15	60	25			Root disease prevalent in DF and GF.
6			PP 45	DF 45		L1: 18 – 38" dbh, 23 avg.	90 -120	12	22 - 33			Harvest ~ 2022, partial SPC
С			GF 9	WL 1								with mastication ~ 2023,
			PP 50	DF 40	L	L2 : 5 – 12" dbh, 7' avg.	35 - 55	50	57 - 84	L-M	ST, DM, RD, TR, BB, GR, NW completed 2 piles burne growth, root o	Partial SPC with hand piles completed 2024 and 2025,
	121	WDMC	GF 10 PP 20	WL T DF 40		L3 : \$ - 4" dbh	5 -15	25	0 -50	(slash,		, BB, GR, pilos burnod 2024 good
			GF 40	WLT		L3. 9 - 4 abii	3-13	23	0-30	litter)		
												in DF and GF, continue SPC with hand piles.
6A			PP 99			L1: 10 – 14" dbh, 12" avg.	55	40	74 - 111			
В												
	7	WDMC			L	L2:				L (slash,	BB, GR, NW	Harvest ~ 2022, evaluate
	,	WDIVIC			L	L3:				litter)	DD, GR, NVV	harvest ~ 15 years.
7 A/C			PP 95	DF 5		L1 : 14 - 26" dbh, 19" avg.	95	30	30 - 45			
A/C						L2:						Harvest ~ 2010, evaluate
	32	WDMC								L (grass,	TR, BB, GR	harvest ~ 5 years, alternative option is SPC with hand piles
						L3:				litter)		or mastication.
							-					
			1						<u> </u>			

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; Cl – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall All Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Service, S – Slope > 40% dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, C Pre-commercial thinning treatment within 5 years, D Wildlife emphasis or non-forest type, E Administrative site

Stand		Forest T	ype / Species	Stand	Trees per A	Acre (TPA)	by Age Class		Food	Special Resources	
#/ Class	# of Acres	Forest Type	Percentage of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Notes
7A			PP 30 DF 6)	L1: 20 – 26" dbh, 21" avg.	95	20	23 - 34			
С			GF 10 DF 40 GF 6	0	L2: 6 – 16" dbh, 10" avg.	35 - 55	30	103 - 153			
	9	CMMC	DF 35 GF 3	0	L3 : \$ -4' dbh, 2" avg.	5 - 20	750	150 - 175	L (litter)	TR, RP, RD, BB, NW	Evaluate for SPC and pile ~ 5 years.
			WL PP 5								
8			PP 90 DF 1	0	L1: 12 – 30" dbh, avg. 18	95	15	36 - 54			
С	32	WDMC	PP 50 DF 5	0 н	L2 : 5 – 14" dbh, 9" avg	35	250	152 - 227	L (grass	P, F, S, GR,	GR, Harvest ~ 2010, evaluate SPC and pile or mastication.
	32	WDIVIC	PP 60 DF 4		L3: \$ - 4	25	125	25	and litter)	NW	
8A			PP 95 DF 5	;	L1: 10 – 24" dbh, 19" avg.	110	35	36 - 54	-		
С											
	15	WDMC	PP 40 DF 6		L2 : 6 – 18" dbh, 11" avg.	35	35	74 - 131	L (litter	TR, DM, RD,	Harvest ~ 2004, evaluate SPC and pile or mastication
	15	WDIVIC	PP 60 DF 4	0 L	L3: \$ - 3" dbh	15	25	50	and grass)	GR, NW	~ 5 years.
9 A			PP 95 DF 5	5	L1 : 8 – 16" dbh, 14" avg.	55	110	57 - 84	=		
			PP 95 DF 5		L2 : \$ -4" dbh					TR, P, F, CR,	Evaluate harvest ~ 5 years,
	17	WDMC		Н	L3:				L (litter) GR, B	GR, BB, DM, NW	poor growth. Cultural resource concerns.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; Cl – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40% dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, C Pre-commercial thinning treatment within 5 years, D Wildlife emphasis or no-forest type, E Administrative site

Chand		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class		- 1	Special Resources	
Stand #/ Class	# of Acres	Forest Type	d	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Notes
10			PP 40	DF 40		L1: 20 – 26" dbh, 22" avg.	120	20	30 -45			
С			GF 15 DF 50	WL 5 PP 40		L2: 6 – 10" dbh 8" avg.	30	25	75 - 150			Harvest ~ 2004, partial ITM
	21	WDMC	GF 5	WL5	L	LZ. 0 - 10 UDITO avg.	30	23	73 - 130	L (litter,	TR, IS, RD,	mark, low volume, good
			DF 40	GF 40		L3: \$ - 4	5 - 15	200	25 - 50	grass)	DM, BB	growth, evaluate SPC and pile or mastication ~ 5 years.
			PP 20									or mustication is years.
11			PP 55	DF 45		L1: 10 – 26" dbh, 17' avg.	80 -120	65	45 - 67			
C			55	55		22. 20 20 0011) 27 016.	00 120	03	43 07			
			PP 40	DF 60		L2 : 5 – 10" dbh, 7" avg.	45 - 75	35	75 -150	L (grass,	TR, GR, RD,	Harvest ~ 2004, Partial ITM mark, low volume, good growth, evaluate SPC and pile or mastication ~ 5 years.
	16	WDMC	PP 60	DF 40	M	L3: \$ - 4	25	35	25	litter)	BB	
			PP 60	DF 40		15: 5 - 4	25	33	25			
13			PP 99			L1: 10-16" dbh, 13" avg.	55	50(130)	57 - 84			
B/C						L2:						Harvest ~ 2022 (2 ac. Not harvested), poor to fair
	6	WDMC			L/H					L (litter,	GR, BB	growth, evaluate 4 ac. for
						L3:				slash)		harvest ~15 years and 2 acres
												for SPC and pile ~ 5 years.
14			PP 90	DF 5		L1 : 12 -20" dbh, 15" avg.	75	35	57 -84			
С			WL 3	GF 2		, ,						
			PP 45	DF 50		L2 : 6 – 10" dbh, 8" avg.	35	15	5 - 10	L grass, TR, P, F, B		Harvest ~ 2004, good growth, evaluate SPC and pile or
	7	WDMC	WL 5 PP 40 DF 60		М	L3: \$ - 4" dbh, 3" avg.	25	50	15 - 25		TR, P, F, BB, RD, GR	mastication ~ 5 years. Root disease prevalent in DF and GF.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Character of		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class	;		Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type		ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
15			PP 15	DF 70		L1 : 10 – 22" dbh, 13" avg.	60 - 95	110	60 - 90			
A/C			WL 5	GF 10								Evaluate for Harvest ~ 5 years.
	5	WDMC	PP 5 WL T	DF 80 GF 10	н	L2 : 5 – 8" dbh, 7" avg.	50	60	10 - 15	L – M	TR, P, F, ST,	Small acres limiting. Favor WL
		WDIVIC	WE.	01 10		L3:				(litter)	RD, BB	and PP. Alternative option is
												SPC and pile or mastication.
16			PP 90	DF 10		L1: 8 – 22" dbh,11" avg	9 - 120	70	74 - 111			
A/C												Suplement for home and of Suprement
			PP 60	DF 40		L2 : 5 – 10" dbh, 6" avg.	45	70	50			
	22	WDMC			H - M	, ,				L (litter and grass)	TR, P, F, S, BB, GR, DM,	
			PP 80	DF 20		L3: \$ - 4" dbh	25	283	25	and grass)	BB, GR, DM,	
17			PP 50	DF 50		14 42 24" 111 24"	120	55	30 - 45			
D/C			PP 50	DF 50		L1: 12 – 34" dbh, 21" avg.	120	55	30 - 45			Fundamental CDC and board allo
5/6			PP 50	DF 50		L2: 6 – 14" dbh, 10" avg.	55 - 75	40	10 - 15			Evaluate for SPC and hand pile ~ 5 years. Slope and rocky
	15	WDMC			Н	, ,				L – M (litter)	TR, S, BB, RD, GR	ground and rock outcrops limit
						L3:				(inccer)	KD, GK	logging. Haul route requires
										-		culvert or easement.
18			PP 70	DF 25		L1: 18 – 30" dbh, 22" avg.	95-120	20	25 - 38			
C			WL5	DI 23		LI. 10 - 50 ubil, 22 avg.	33,120	20	23-36	1		Harvest ~ 2010, good growth,
-			PP 40	DF 55		L2: 6 -20" dbh, 12" avg.	35 - 55	40	50 75	1 (1)44	TD D F IC	evaluate for SPC with hand pile
	176	WDMC	WL 3	GF 2	L					L (litter TR, P, F	TR, P, F, IS, RD, BB, GR	or mastication ~ 5 years. Conley Creek requires culvert
			PP 25	DF 40		L3: \$ - 4" dbh	5 - 25	400	25 - 50		, 55, 51	for access to south end of
			WL 5	GF 30			1					stand or easement.
	L		1		.6 .61.41.4				1		CF C 15:	56 5 1 6 140

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chd		Forest T	ype / Sp	ecies	Stand	Trees per A	cre (TPA) I	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	ď	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
19			PP 75	DF 15		L1 : 6 – 18" dbh, 14 avg.	55	65	57 - 84			
В			GF T	WL 5								Harvest ~ 2010, evaluate
			PP 10	DF 30		L2: \$ - 2" dbh	5 - 15	450	25	L-M	IS, GR, BB,	harvest ~ 15 years. Thin from
	66	WDMC	GF 65	WL 5	М					(litter)	RD, NW	below, favor PP and WL as
						L3:						root disease present in GF and DF.
												DF.
20			PP 40	DF 30		L1: 14 -26" dbh, 22' avg.	120	20	5 - 10			
A/C			WL 5	GF 20		L1: 14 20 ubii, 22 uvg.	120	20	3-10			
1.,0			DF 40	PP 25		L2: 5 – 22" dbh, 10" avg.	55	145	103 - 153			Harvest ~ 2010, evaluate harvest ~ 5 years. Poor growth, mistletoe and root disease in GF and DF.
	18	WDMC	GF 30	WL 5	H-M						P, F, GR, RD,	
			GF 60	DF 30		L3: \$ - 4" dbh	15 - 35	175	25		BB, DM	
			WL 5	PP 5								
22			PP 40	DF 50		L1 : 16 – 24". 20" avg.	120	5	5			
С			GF 10									
			DF 40	PP 35		L2: 5 – 14" dbh, 9" avg.	35 - 55	25	20		S, RD, DM,	Harvest ~ 2004, evaluate SPC
	20	WDMC	GF 20	WL 5	L					L (Litter)	GR	and hand pile ~ 5 years. Favor PP and WL.
			DF 40	GF 30		L3: \$ - 4" dbh	15	125	75			PP and WL.
			PP 25	WL 5								
23			PP 80	DF 15		L1 : 5 – 16" dbh 10" avg.	55	140	103 153			
A/C			WL 5	GF T		22.5 15 05/110 dvg.	- 55	140	103 133			
.,,-			PP T	DF 80		L2: \$ - 4" dbh	25	100	0 -25	L (litter) S, GR		Evaluate harvest ~ 5 years.
	8	CMMC	WLT	GF 20	Н						S, GR	Thin from below. Favor PP
						L3:						and WL. Alternative is SPC and hand pile.
												nano pile.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand		Forest T	ype / Speci	ies	Stand	Trees per A	Acre (TPA)	by Age Class		- 1	Special Resources	Notes
#/ Class	# of Acres	Forest Type	Percenta of Specie	es	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
24				OF 30		L1: 16 – 24" dbh, 20" avg.	95-120	10	10			
С				F 15 F 40		12 6 44" 111 40"	35 - 55	25	100			
	68	WDMC		F 15	L	L2: 6 – 14" dbh, 10" avg.	35 - 55	25	100	L (litter)	TR, GR, RD	Harvest ~ 2004. Evaluate SPC with hand pile or mastication.
	00	WDIVIC		0F 40	-	L3: \$ - 4" dbh	5 - 25	500	75 - 100	L (ileter)	III, GII, IID	Favor PP and WL.
			GF 30 W	VL 5								
25			PP 90 D	OF 10		L1: 22 -26" dbh, avg 25"	95-120	30	20			
C/A						L2:						Evaluate SPC and pile ~ 5 vears. Alternative is harvest ~
	7	WDMC			М						P, F, S, TR, 5 years. Steep slopes and	5 years. Steep slopes and
						L3:						adverse skid limit logging.
25A			PP 90 D	OF 10		L1 : 14 – 22" dbh, 17" avg.	85	36	36 - 54			
С												Harvest ~ 2004, poor growth in
	12	WDMC	PP 30 D	OF 60	М	L2: 5 – 10" dbh, 7" avg.	35	35	25	L (litter)	P, F, S, GR,	overstory. Slopes average 50%
	12	WDIVIC	GF 10		IVI	L3:				L (IIIIei)	BB, DM	limiting logging. Evaluate SPC
						-						and hand pile ~ 5 years.
26 A/C				OF 15 GF T		L1 : 6 – 16" dbh, 9" avg.	55	220	103 - 153			
A/C			WLJ	GF I		L2 : \$ - 4" dbh	15	50	0			Evaluate harvest ~ 5 years,
	47	WDMC			Н	,			-	L (litter)	TR, BB, GR	poor growth. Alternative SPC
						L3:]		and hand pile or mastication.
												·

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class		Fuel	Special Resources	Notes
#/ Class	# of Acres	Forest Type	~	ntages of cies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
28			GF 80	DF 15		L1 : 16 -24" dbh, 20" avg.	95-120	20	10			
С			WL 5									Harvest ~ 19990, layer 2 in
	28	СММС	PP 5 DF 30	WL 5 GF 50	L	L2: 5 – 22" dbh, 9" avg.	35 - 55	75	191 - 286	L (litter)	TR, S, SD,	overstocked clumps. Evaluate for SPC with hand pile or
	20	CIVIIVIC	GF 60	DF 35	L	L3: \$ - 4"	5 - 20	200	50	L (litter)	RD	mastication. Broken
			WL 5	PP T		13.9	3 20	200	30			topography.
29			PP 95	DF 1		L1 : 12 – 20" dbh, 16" avg.	55	70	40 - 60			
Α			GF 3	WL 1								Harvest ~ 2010. Evaluate for
			PP 5	DF 25		L2: S – 3" dbh	5 - 20	875	50			
	21	CMMC	GF 65	WL 5	Н					L (litter) IS, DM, BB	harvest ~ 5 years. Some pockets of SPC favor WL.	
						L3:						pockets of SPC favor WL.
29A			PP 90	DF 10		L1 : 16 – 20" dbh, 18" avg.	95	35	36 - 54			
С			GF T	WL T								
			PP 35	DF 35		L2: 5 – 16" dbh, 9" avg.	35 - 55	100	50	L (litter	P, F, FS, GR,	Harvest ~ 2010, Evaluate SPC
	62	WDMC	WL 5	GF 25	M					and grass)	BB, RD	and hand pile or mastication ~
			PP 10	DF 40		L3 : \$ - 4" dbh	5 - 15	350	25	8,	,	5 years.
			WL 5	GF 45								
30			PP 20	DF 40		L1 : 14 – 26" dbh, 19" avg.	95	12	10			
C			GF 35	WL 5		L1. 14 - 20 UDII, 13 dvg.	33	14	10			
_			PP 35	DF 40		L2: 5 – 16" dbh, 9 "avg.	35 -55	100	50 - 75			Harvest ~ 2010, good growth,
	37	CMMC	GF 15	WL 5	L					Litter (L)	P, RD, BB,	evaluate SPC and hand pile or
			LP 3	ES 2		L3 : \$ - 4" dbh	5 - 15	350	25 - 75	······· DM GR	DIVI, GR	mastication. Favor PP and WL.
			GF 40	DF 40								
			PP 10	WL 9								

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Species	Stand	Trees per A	Acre (TPA)	by Age Class	;	- 1	Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentage of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
30A			PP 40 DF	-	L1: 5 – 20" dbh, 10" avg.	55	170	103 - 153			
C/B			WL5 GF								Marginal size for commercial
	40	14/0446	PP 10 DF		L2: \$ - 4" dbh	15	125	25	. //: \	IS, FS, F, RD,	thin. Evaluate SPC with hand
	49	WDMC	WL5 GF	55 H	L3:				L (litter)	BB, DM, GR	pile or mastication. Root disease prevalent in GF and
					L5:						DF. favor WL and PP.
31			PP 90 DF	10	L1: 14 – 22" dbh, 19" avg.	120	50	36 - 54			
С											
			PP 30 DF	70	L2: 5 – 10" dbh, 8" avg.	35	20	15			Harvest ~ 2010. Evaluate SPC with hand pile or mastication ~
	7	WDMC		M					L (litter) GR	GR	5 years. If no SPC, harvest ~ 15
			PP 30 DF	70	L3: \$ - 4" dbh, 2" avg.	15	100	50			years.
32			PP 40 DF	30	L1: 14 – 28" dbh, 20" avg.	85-120	22	10			
С			GF 25 WI	5							Harvest ~ 2010. Evaluate SPC
					L2: 5 – 16" dbh, 7" avg.	35 - 55	115	50			with hand pile or mastication ~
	54	WDMC		М					L (litter,)	GR, DM, RD, BB	5 years. Root disease
					L3: \$ - 4" dbh	5 - 15	500	125		ВВ	prevalent in DF and GF. PP DM
											widespread favor WL
33			PP 75 DF	10	L1 : 6 – 16" dbh, 10" avg.	55	280	102 153			
C C			GF 15	10	LI:0-10 dbii, 10 avg.	55	280	103 - 153			5 1 1 600 111 1 11
			PP 10 DF	10	L2: \$ - 4" dbh, 1" avg.	20	100	25	L – M		Evaluate SPC with hand pile or mastication ~ 5 years.
	8	WDMC	GF 80	Н	ELIP I don't dig.		100	23	(litter,	RD, BB, GR	Alternative is a commercial
					L3:				down wood)	, , , , , , ,	harvest ~ 5 years. Low value
										pulpwood.	
											FC Faralasas Causas Mil. Mia

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class		- 1	Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	ď	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
34			GF 90	DF 10		L1 : 18 – 24" dbh	90	20	30 - 50			Good candidate for wildlife or
D/A			WLT	PP T						L-M		future old growth stand.
	69	CMMC	GF 55 PP 5	DF 30 WL 9	Н	L2 : 5 – 16" dbh, 9" avg.	55	340	150 - 175	(litter,	S, ST, TR, RD, BB, GR,	Alternative is to commercial
	69	CIVIIVIC	GF 80	DF 20	п	L3: \$ - 4" dbh	5 - 25	250	25	down	DM	thin ~ 5 years. Favor DF and
			GI GO	D1 20		25.9 4 4511	3 23	250	25	wood)		WL. Possible SPC with mastication.
42			PP 20	DF 5		L1: 16 – 22" dbh, 19" avg.	90-120	20	10			
C/B			WLT	GF 75								Harvest ~ 2010. Evaluate for
			PP 35	DF 50		L2 : 5 – 16" dbh, 9" avg.	50	107	103 - 150	L M (litter	RD, SD, BB,	SPC with hand pile or
	28	WDMC	GF 10	WL 5	M	10 6 4" 111	45 25	022	75	and slash)	GR	mastication. Alternative is
			PP 5 WL30	DF 15 GF 45		L3: \$ - 4" dbh	15 - 25	833	/5			harvest ~ 15 years.
			LP 5	GF 43								
46			GF 80	DF 20		L1 : 16 – 28" dbh, 22" avg.	120	60	30 - 40			
D/A										L-M		Evaluate for harvest ~ 5 years.
	_	C1 41 4C	PP 5	DF 10 GF 45		L2: 5 – 14" dbh, 10" avg.	35 - 55	40	25	(litter and	WH, DM,	Favor DF and WL. Alternative
	7	CMMC	WL40	GF 45	Н	L3:				down	BB, SD, S	is to leave for wildlife with
										wood)		surrounding stands.
47			GF 89	DF		L1: 16 24" dbh	85-110	35 - 55	35			
D			PP 1	Di		L1. 10 24 dbii	05-110	33-33]			
			GF 75	DF 25		L2: 5 – 14" dbh	35 - 55	25	25			Harvest ~ 1990. Steep slopes
	52	CMMC			L					L (litter)	WH, RD, BB	and tall shrubs limit management. Manage for
			DF 50	GF 50		L3 : \$ -4" dbh	5 - 35	10 - 20	10 -20			wildlife habitat.
										=		

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Sp	ecies	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Spe	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
48			GF 90	DF 10		L1: 16 – 30" dbh	85-110	35	35			
D			GF 80	DF 20		L2 : 6 – 14" dbh	35 - 55	25	25			Harvest ~ 1990. Steep slopes
	22	WDMC	GF 80	DF 20	М	L2: 6 - 14" dbn	35 - 55	25	25	M – H	SEV, WH	and tall shrubs limit
	22	WDIVIC	GF 80	DF 20	IVI	L3: \$ - 4	5 - 35	25	-	(litter)	SEV, WII	management. Manage for
												wildlife habitat.
51			GF 80	DF 20		L1 : 16 – 30" dbh	85-110	25	25			
D			GF 70	DF 30		L2: 5 – 14" dbh	35 - 55	25	25			Harvest ~ 1990. Steep slopes
	18	WDMC	GF /0	DF 30	L	L2:5-14 dbn	35 - 55	25	25	L (litter)	WH, ST	and tall shrubs limit
	10	VVDIVIC	DF 50	GF 50	-	L3: \$ - 4" dbh	5 - 30	15	15	L (inter)	***************************************	management. Manage for wildlife habitat
						·						wildlife habitat
53			DF 50	GF 50		L1 : 14 – 30" dbh	85-110	20 - 40	20 - 40			
D			DF 50	GF 50		L2 : 6 – 14" dbh	35 - 55	20 - 30	20 -30			Harvest ~ 1990. Steep slopes
	28	WDMC	DF 50	GF 50	М	L2:6-14 dbn	35 - 55	20 - 30	20 -30	L (litter)	FS, F, ST,	and tall shrubs limit management. Manage for
	20	VVDIVIC			141	L3: \$ - 4" dbh	5 - 25	10	10	L (inter)	WH, IS	wildlife habitat. Borders
												Forest Service.
54			DF 60	GF 40		L1 : 14 – 30" dbh	85-110	20 - 40	20 - 40	-		
D			DF 60	GF 40		L2 : 6 – 14" dbh	35 - 55	20 - 40	20 - 40			Harvest ~ 1990. Steep slopes
	24	WDMC	DF 00	GF 40	М	LE. 0 - 14 UUII	33-33	20 - 40	20 - 40	L (litter)	FS, F, WH, IS	and tall shrubs limit management. Manage for
			DF 60	GF 40	•••	L3: \$ - 4" dbh	5 - 30	20 - 40	20 - 40	- ()	,	wildlife habitat. Borders
												Forest Service
					:f CNANA							. FC . F

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Species	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
101			PP 85 DF 15		L1 : 16 – 22" dbh, 18" avg.	120	20	10			Harvest ~ 1995. Evaluate for
С	22	WDMC	PP 80 DF 20	L	L2: 6 – 10 " dbh, 8 " avg.	45	20	10	L (grass	P, F, CR, S,	SPC with hand pile or mastication. Alternative is a
					L3:				and litter)	GR, DM, BB	harvest for sanitation to remove severely infected mistle-toed PP.
101A A			PP 99		L1: 6 – 20" dbh, 13" avg.	45	80	57 - 84			
	2			М	L2:				L (litter and grass)	P, F, CR, S, GR, DM, BB	Evaluate harvest ~ 5 years. Stand close to maximum density. Small acres are limiting.
											illining.
109 A			PP 75 DF 25		L1 : 10 – 20" dbh, 16" avg.	120	87	45 - 67			
			PP 50 DF 50		L2 : 5 – 10" dbh, 6" avg	35	15	15	L (litter	P, F, S, DM,	Evaluate harvest in 5 years.
	28			Н	L3 : \$ - 2" dbh	15	20	20	and slash)	GR, BB	Sanitation salvage due PP and DF mistle-toe in stand.
109A			PP 99 DF T		L1 : 14 – 20" dbh, 17" avg.	45	45	36 - 54			
A	9		WLT GFT PP 50 DF 10 GF 40	М	L2: \$ - 2" dbh	10	25	15	L (grass	P, F, GR, BB	Harvest and SPC ~ 2010. Evaluate harvest ~ 5 years.
	9		Gr 40	IVI	L3:				and litter) P, F, G	r, r, uk, bb	Plan with stand 109 for harvest.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Spe	ecies	Stand	Trees per A	Acre (TPA)	by Age Class	•		Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percen of Spec	f cies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
104			GF 95	WL 5		L1: 18 – 30" dbh 24" avg.	120	10	10			Harvest ~ 1990. Evaluate for
С												SPC and hand pile or
	27	CMMC	PP 25 WL15	DF 35 GF 20	м	L2: 5 – 14" dbh, 9" avg.	35 - 50	33	129 - 138	L (litter)	P, F, RD, BB,	mastication ~ 5 years. Favor
	21	CIVIIVIC	LP 5	GF 20	IVI					L (litter)	DM	PP and WL. Maintain
			GF 40	DF 40		L3 : \$ - 4" dbh	10 - 25	683	100			boundary fence. Borders Fire Wise Community.
			WL15	LP 5								wise community.
105			PP 15	DF 40		L1: 5 – 16" dbh, 9 "avg.	35 - 50	92	129 - 138			
C/B			WL30	GF 15								Harvest ~ 2010. Evaluate SPC and hand pile or mastication ~
						L2: \$ -4" dbh, \$ avg.	5 - 25	1438	100		RD, BB, DM,	5 years. Alternative is harvest
	50	CMMC			M	L3:				L (litter)	GR, S	~ 15 years, thin from below
						LS:						favor PP and WL, root disease
												prevalent in DF and GF.
111			DF 80	PP 20		L1: 5 -16" dbh, 10" avg.	80	100	100 - 150			
C/B			GF T									Harvest 2014. Evaluate SPC
			PP 90	DF 10		L2: 6-16" dbh, 9" avg.	45	90	20	L-M	DM, BB, GR,	and hand pile or mastication ~ 5 years. Alternative is harvest
	11	WDMC			M					(litter,	S S	~ 15 years, thin from below
			PP 60	DF 40		L3: \$-4' dbh	5 - 25	25	10	slash)		and sanitation salvage. Slope
										1		limiting for logging.
112			PP 95	DF 5		L1 : 14 – 16" dbh, 16" avg.	120	7	7	L (litter	DM, GR, BB	Sanitation harvest and SPC ~
B/C			WLT	GF T		, ,				and grass)		2010 for PP Mistle-toe.
			PP 90	DF 10		L2 : 5 – 14" dbh 9" avg.	40	83	104 - 153]		Evaluate for harvest ~ 15
	40	WDMC			М							years. Alternative is SPC and hand pile or mastication. PP
	-		PP 40	DF 55		L3: \$ - 4" dbh	10	25	15			mistle-toe prevalent favor DF
			GF 5									or trees with lower 1/3
			GF 3									infection.
L	1		l		l .		1	l	l	I	l	

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6. 1		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class			Special	Notes
Stand #/ Class	# of Acres	Forest Type	c	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	Resources & Concerns (see list below)	Stand Photos (see Appendix A)
102			PP 85	DF 15		L1 : 10 – 24" dbh,17" avg.	90	63	48			
C/B			PP 80	DF 20		L2: 5 – 12" dbh, 10" avg.	45	10	5		P, F, BB,	Partial harvest 2014, Evaluate for SPC and pile. Alternative is
	15	WDMC	PP 50	DF 50	Н	L3: \$ - 4" dbh	15	25 - 125	25	L (litter)	DM, S, SEV, SP	harvest, slope and topography limiting. Level 2 has heavy PP mistle-toe infection.
												mistie-toe infection.
107 B			PP 90	DF 10		L1 : 18 – 24" dbh	90	1	1			Sanitation harvest for PP
22	WDMC	PP 90	DF 10	L	L2: 5 – 14" dbh, 9.6 avg.	45	20 - 80	103 - 153	L (grass,	P, F, BB, GR,	mistle-toe ~ 2014. Evaluate	
						L3: \$ - 4"	5 - 25	0 - 150	25	litter)	DM	for sanitation harvest in ~ 15 years, follow up with SPC.
108			PP 80	DF 20		L1 : 18 – 22" dbh	95	1	1			
Α			GF T PP 90	DF 10		L2: 5 – 16" dbh, 10.1" avg	45	140 - 280	103 153	L (litter,		Partial harvest with SPC ~ 2014. Evaluate for commercia
	14	WDMC	GF 60 PP 10	DF 30	Н	L3 : \$ - 4' dbh	5 - 25	0 - 150	25	slash)	BB, GR, DM	thin from below ~ 5 – 10 years Watch for PP mistle-toe.
100			GF 60	DF 40		14 40 26"						Harvest ~ 2010, over story
106 C/B			GF 60	DF 40		L1: 18 – 26" dbh	95-110	1	1	_		removal. Evaluate pre- commercial thin with hand pile
-,-	42	WDMC	PP 60 WL 5	DF 30 GF 5		L2 : 5 – 16" dbh, 12' avg	35 - 55	50 - 260	74 - 111	L (litter)	P, F, SP, CR, RD. BB	or mastication ~ 5 years. Alternative is commercial thin
			***23	0. 5		L3: \$ - 4" dbh	5 - 20	150 - 900	75		ND, 66	from below ~ 15 years. Favor PP/WL. Cabin and spring on west boundary.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6		Forest T	ype / Sp	ecies	Stand	Trees per /	Acre (TPA)	by Age Class	;		Special	Notes
Stand #/ Class	# of Acres	Forest Type	c	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	Resources & Concerns (see list below)	Stand Photos (see Appendix A)
110			PP 30	DF 60		L1 : 10 – 32" dbh, 18" avg.	85-110	40 - 90	36 - 54			
Α			GF 10	WLT		12 6 44" !!!	45 55	0.00	25			Harvest ~ 2010. Evaluate
	39	WDMC	PP 10 GF 30	DF 60	н	L2 : 6 – 14" dbh, avg. 11"	45 - 55	0 - 60	25	L (litter)	P, F, TR, DM, BB, RD,	Commercial thin from below ~
	33	WDIVIC	GF 70	DF 30		L3: \$ - 4"	5 - 15	25	-	L (ileter)	GR	5 years. Remove DF mistle- toe. Favor PP.
			PP T									toe. Favoi FF.
113			PP 70	DF 30		14 0 20" 11 42	75.440	45				
C/B			PP 70	DF 30		L1 : 8 -20" dbh, 12 avg	75-110	15	5	-		Harvest ~ 2010. Overstory removal. Evaluate pre-
0,5			PP 80	DF 20		L2: 5 – 14" dbh, 9.5 avg.	45 - 70	60 - 300	100 - 153		2 5 22 62	commercial thin with hand pile
	41	WDMC			Н					L (litter)	P, F, BB, GR, DM	or mastication. Favor DF due
			PP 40	DF 60		L3: \$ - 4" dbh	5 - 25	50 - 350	50			to PP mistle-toe. Alternative is waiting 15 years for thin from
												below.
114			PP 80	DF 20		L1: 8 -18" dbh, 13.1 avg.	95-110	30 - 110	57 - 84			
C/A												Sanitation harvest ~ 2010.to remove PP mistle-toe.
	27	WDMC	PP 80	DF 20		L2 : 5 – 10" dbh, 7.5 avg.	45 - 70	10 - 60	10	L (grass,	P, F, S, DM,	Evaluate pre-commercial thin
	21	WDIVIC	PP 40	DF 60		L3: \$ - 4" dbh	20	50 - 150	50	litter)	BB, GR	with hand pile or mastication. Favor DF due to PP mistle-toe.
						•						Slopes limiting for logging.
									T			
						L1:	+					
						L2:						
						L3:						
			l			C - sool moist mixed sonifor:	1		L	<u> </u>		

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6		Forest T	ype / Species	Stand	Trees per /	Acre (TPA)	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
						_	T.	1			
					L1:						
					L2:						
					L3:						
115			DF 10 WL 5		L1 : 10 – 22" dbh, 12" avg.	95	10 - 40	20			
С			GF 75 ES 5								Harvest ~ 2010, partial SPC with masticator ~ 2011.
		СММС	PP 10 DF 20 WL70 GF T	M	L2: 5 – 10" dbh, 6" avg.	35	10 - 140	51 - 76	L (litter)	P, F,	Evaluate SPC with hand piles
	30	CIVIIVIC	PP 5 DF 15	IVI	L3: \$ - 4" dbh	5 - 35	100 - 650	50	L (litter)	ST, RD, BB	or mastication ~ 5 years.
			WL35 GF 50		2019 1 0011	3 33	100 050	30			Favor WL and PP due to root disease in GF and DF.
116			PP 60 DF 35		L1: 12 – 30" dbh, 20" avg.	85-110	0 - 50	10			
C			WLT GF 5		LI. 12 – 30 dbii, 20 avg.	05-110	0 - 30	10			Harvest ~ 2010. Evaluate SPC
			PP 30 DF 40		L2: 5 – 10" dbh, 7" avg.	35 - 45	0 - 140	132 - 157	L (litter &	P, F, T, RI,	with hand pile or mastication.
	117	WDMC	GF 40 WL T						grass)	RD, BB, DM	Favor PP and WL due to root
					L3: \$ - \$" dbh	5 -25	0 - 200	25	8,	,,	disease. Two cattle ponds in unit.
117			PP 60 DF 35		L1 : 10 – 24" dbh, 17" avg.	95-110	0 - 20	5			
C/B			GF 5 WL T PP 30 DF 40		L2: 5 – 12" dbh, 8.5" avg.	45	40 -180	103 - 153			Harvest ~ 2010 removing most
	53	WDMC	WL9 GF 20	M	LZ. 3 - 12 UDII, 0.3 dVg.	45	40 -160	103 - 133	L (litter &	P, F, DM,	over story. Evaluate ~ 5 years SPC with hand pile or
			PP 5 DF 40		L3: \$ - 4"	5 - 25	0 - 150	25	grass) RD, BB	RD, BB	mastication. Favor PP and WL
			WL 9 GF 21								due to root disease.
			<u> </u>			1		<u> </u>			

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

c: 1		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class			Special	Notes
Stand #/ Class	# of Acres	Forest Type		ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	Resources & Concerns (see list below)	Stand Photos (see Appendix A)
118			PP 70	DF 20		L1 : 18 – 24" dbh, 21" avg.	110	10 - 20	10			
B/C			GF 10			12 6 44" 111 42"	25	40.00	40			
	36	WDMC	PP 5	DF 10	L	L2 : 6 – 14" dbh, 12" avg.	85	10 - 90	10	L (litter &	P, F, TR, BB,	Harvest ~ 2010. Evaluate harvest ~ 15 years follow up
	30		GF 85	5. 10	_	L3: \$ - 4" dbh, 1" avg.	5 - 35	0 - 300	50	slash)	RD	with SPC.
119 B			PP 90 WL 5	DF 5 GF T		L1 : 8 – 18" dbh, 12" avg.	45	40 -160	74 - 111			
В			WL 5	GF I		L2 : \$ - 4" dbh	5 - 20	50 - 300	23			Over story removal ~ 2010.
	36	WDMC			М	2210 1 0011	3 20	30 300	2.5	L (litter) BB, GR	BB, GR	Evaluate a commercial thin from below ~ 15 years. Watch
						L3:						for PP mistle-toe. Favor WL.
120			PP 95	DF 5		L1 : 5 – 14", 9.2" avg.	45	100 - 220	74 - 111			
A/B								100 220	1			Harvested ~ 2014 to mainly
			PP 20	DF 20		L2: \$ - 4" dbh	5 - 25	50 - 400	25			remove mature over story. Evaluate a commercial thin
	4	WDMC	GF 60		M					L (litter)	SP, GR, DM	from below ~ 5 – 15 years.
						L3:						Diameter limiting in places.
												High water table in spots.
121			PP 90	DF 10		L1: 5 – 14" dbh, 9.7 "avg.	45 - 70	120 - 180	103 - 153			Partial harvest ~ 2010
C/B												combined with SPC. Evaluate
			PP 40	DF 60		L2: \$ -4" dbh	5 - 25	0 - 100	25		SP, IS, BB,	for SPC with hand pile or mastication. Alternative is
	16	WDMC			Н	L3:				L (Litter)	GR, DM	harvest, small stand diameter
										GR, DI		limits. Watch for PP mistle-
												toe. Bordered by two seasonal streams.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class			Special	Notes
Stand #/ Class	# of Acres	Forest Type	ď	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	Resources & Concerns (see list below)	Stand Photos (see Appendix A)
121B B	16	РР	PP 90 PP 95	DF 10 DF 5	L	L1: 18 – 22" dbh L2: 8 – 14" dbh L3:	45	1 - 5	1 - 5 74 - 111	L (grass, litter)	DM, BB, GR	Sanitation harvest ~ 2014 for PP mistle-toe and bark beetles. Stand a mosaic of forest and non-forest types. Evaluate a sanitation harvest ~ 15 years.
122 C	39	WDMC	PP 40 GF 20 PP 30 GF 20	DF 40 WL T DF 35 WL 5	М	L1: 10 – 26" dbh, 18" avg. L2: 5 – 10" dbh, 6" avg. L3: \$ - 4" dbh	85-110 35 10	30 0 - 950	20 25 50	L (litter & slash)	IS, DM, RD, BB, GR	Harvest ~ 2010. Evaluate ~ 5 years for pre-commercial thin with hand piles or mastication. Favor PP and WL due to root disease.
123 A	8	WDMC	PP 10 GF 80 PP 80 GF 80 PP 5	DF 10 DF 20 DF 15	н	L1: 10 -24" dbh, 16" avg. L2: 6 - 14" dbh, 9" avg. L3: \$ - 4"	95 45 15 - 25	10 - 40 80 250	10 74 - 111 25	L (litter)	SD, RD, GR	Harvest ~ 2010. Evaluate over story removal to manage understory. Follow with precommercial thin favor PP, WL,
124 B	125	СММС	PP 50 DF 5 PP 20 GF 30 ES 3	WL45 DF 40 LP 2	L	L1: 5 -14" dbh, 10" avg. L2:	25 - 35	40	40	L (litter & slash)	GR, CB	Harvest ~2022. Evaluate needs to maintain fuels break ~ 15 years.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream, CB – Case Bearer Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, C Pre-commercial thinning treatment within 5 years, D Wildlife emphasis or non-forest type, E Administrative site

6		Forest T	ype / Spec	ies	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percenta of Specie		Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
125			PP 99			L1: 8 – 12" dbh, 10" avg.	35	160	58 - 111			
Α												
	40	C1 41 4C	DF 50	GF 50		L2: \$ - 1" dbh	10	200	0	. /!!!	60.00	Evaluate for commercial thin
	10	CMMC			Н	L3:				L (litter)	GR, BB	from below ~ 5 years.
						LJ.						
126			PP 40 I	LP 35		L1 : 5 – 12" dbh, 8" avg.	35	120 - 180	137 - 205			Stand adjacent to potential
D/C			_	GF 5								Peregrine nest site. Manage
			-	ES 40		L2: \$ - 4" dbh	5 - 20	0 - 600	25		SEV, WH,	for buffer. Over story removed ~ 1995 and planted
	58	CMMC	DF 20		М	L3:				L (litter)	GR, DM	with PP/WL. Alternative is to
						15:						evaluate pre-commercial
												thinning ~ 5 years. Favor PP/WL.
127			PP 85 \	WL10		L1 : 10 – 16", 12 "avg.	35	50	67 - 100			11/WE
В			DF 5									Harvested for fuels break ~
						L2:				L (litter,	P, F, FS, TR,	2020, followed with
	29	CMMC			L	L3:				slash)	GR, RD	mastication. Evaluate commercial thin ~ 15 years.
						L3:						Maintain fuels break.
128			GF 30	DF 15		L1 : 18 – 34' dbh	85-110	45	45 - 68			
В	-		_	PP 10								Fundament of 45
			-	DF 15		L2 : 6 -16" dbh	35 - 55	30	25		FS, F, SEV,	Evaluate harvest ~ 15 years. Favor PP/WL/DF/ES of all age
	16	CMMC	ES 15	PP 10	М					L (litter)	TR, RD, BB	classes. Borders Forest
						L3:						Service.
									 	1		

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6. 1		Forest T	ype / Sp	ecies	Stand	Trees per	Acre (TPA)	by Age Class		_	Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	ď	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
129 C/B	123	СММС	PP 80 WL15	DF 5 GF T	н	L1: 5 – 16" dbh, 10" avg. L2: L3:	35	110 - 280	129 - 138	L (litter)	P, F, FS, TR, BB, RD, GR	Over story removed ~ 1990. Planted with PP. Evaluate pre- commercial thinning with hand pile or mastication ~ 5 years. Average stand diameter limiting for commercial thin from below.
130 B	65	СММС	PP 60 GF 4 DF 15 Gf 35	DF 1 WL35 WL 5 ES 45	М	L1: 5 -16" dbh, 11" avg. L2: \$ - 4" dbh	30 - 35 5 - 25	0-150	130 - 224 25	L (litter)	SEV, RD, BB, GR	Harvest ~ 1995, followed by planting PP/WL. Evaluate commercial thin ~ 15 years. Favor WL. Pacific yew growing on site
131 D/C	40	WDMC	PP 10 GF 60 PP 20 GF 60 PP 20 GF 60	DF 30 DF 20 DF 20	L	L1: 18 – 30" dbh L2: 5 – 14" dbh L3: \$ - 4" dbh	85-110 35 - 55 5 - 35	20 - 30 30 - 50 10 - 20	10 - 20 25 10	L (litter & grass)	DM, BB, RD, GR	Harvest ~ 1990. Evaluate improvement cut ~ 15 years when surrounding stands are treated. Remove mistle-toe and trees with poor crown ratios.
132 C/B	90	СММС	PP 95 DF T	LP 5 WL T	M	L1: 6 – 16" dbh, 9" avg. L2: \$ - 4" L3:	35 5 - 15	180 - 260 25	129 - 138	L (litter)	TR, GR, BB	Over story removed ~ 1995 and planted with PP/WL. Evaluate pre-commercial thinning ~ 5 years. Favor PP/WL. Alternative is thin from below ~ 15 years.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand		Forest Type / Species			Stand	Trees per Acre (TPA) by Age Class					Special Resources	Notes						
#/ Class	# of Acres	Forest Type	Percent of Spec	i i	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)						
133			PP 90	DF 5		L1: 8 – 14" dbh, 10" avg.	35	120 - 180	103 - 153									
B/C			-	LP T														
	67	CMMC	_	GF 40 LP 10	М	L2: \$ - 4" dbh	5 - 15	50	25	L (litter)	P, F, TR, GR, BB, RD	Overstory removed ~ 2010. Evaluate commercial thin from below ~ 15 years.						
	67	CIVINC	PP 10	LP 10	IVI	L3:				L (IIIIer)								
134			_	DF 50		L1: 20 – 26" dbh, 22" avg/	110	1 -5	1 - 5									
C/B	16	СММС	GF 40							L (litter)		Over story removed ~ 2000.						
			PP 90	DF 10		L2: 8 – 14" dbh, 11" avg.	35	30 - 70	74 - 111		P, F, TR, GR,	Evaluate thin from below ~ 15 years. Variable unit adjacent						
					L	L3:					ВВ	to fuels break and private.						
						LJ.						Maintain as a fuels break.						
135			PP 50	WL15		L1 : 5 – 14" dbh, 9" avg.	35	250	137 - 205			Harvest ~ 1995, followed by planting PP/WL. Evaluate pre-						
C/B			LP 20	DF 5														
	20	СММС	СММС	СММС	СММС	СММС	СММС	СММС	PP 2 GF 40	DF 10		L2 : \$ - 4" dbh	5 - 20	0 - 450	-		SEV, RD, BB,	commercial thin with hand pile
	20								CMIMIC	CIVINC	GF 40	ES 40	Н	L3:				L (litter)
		13.								_		~ 15 years. Favor WL. Pacific						
												yew growing on site						
136			GF 40	LP 15		L1 : 5 – 14" dbh, 9" avg.	35 - 65	140 - 220	170 - 225		<u> </u>	Over story removed ~ 1995.						
C/B			ES 25	DF 10								Evaluate pre-commercial						
		СММС		ES 40		L2: \$ - 4" dbh	5 - 25	50 - 250	25		SEV, IS, RD,	thinning with hand pile or						
	34		DF 20		М		1			L (litter)	BB, GR	mastication ~ 5 years. Favor ES/WL. Wet areas and						
						L3:						seasonal stream limit						
							1			1		operations.						

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand #/ Class		Forest Type / Species		Stand	Trees per Acre (TPA) by Age Class					Special Resources	Notes									
	# of Acres	Forest Type	c	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)								
137			PP 60	DF 5		L1: 5 – 16" dbh, 9" avg.	30 - 35	140 - 340	137 - 205			Harvest ~ 1995, followed by								
C/B			WL25 DF 5	GF 10		10 6 4" 11 1	5 - 25	450 200	25			planting PP/WL. Evaluate pre-								
	33	CMMC	ES 70	GF 20	н	L2: \$ - 4" dbh	5 - 25	150 - 300	25	1 (littor)	FS, F, IS, TR,	commercial thin with hand pile or mastication ~ 5 years.								
	33	CIVIIVIC	ES 70		п	L3:				L (litter)	SEV, RD	Alternative is commercial thin ~ 15 years. Favor WL. Pacific								
						ш.														
												yew growing on site.								
126A			PP 5	DF 15		L1: 12 – 22" dbh	85-110	20 - 40	20 - 40		SEV, WH, S	Harvest ~ 1995. Area has numerous rock outcrops and cliffs. Steep terrain limits management options. Adjacent to peregrine nesting site. Manage for wildlife.								
D			GF 80							L (litter & grass)										
	34		PP 70	DF 20	L	L2 : 5 – 12" dbh	35 - 55	20 - 40	20 - 40											
		WDMC	GF 10																	
			PP 35	DF 35		L3: \$ - 4" dbh	5 - 25	50 - 100	50 - 100											
			GF 30																	
138			PP 50	PP 50 DF 1	9 50 DF 1	DF 1		L1 : 5 – 14" dbh, 10 "avg.	35 - 55	160 - 180	129 - 178									
В			WL30	Gf 28							TR, SEV, BB,	Harvest ~ 1990, followed by planting PP/WL. Evaluate								
			GF 40	ES 30		L2: \$ - 4" dbh	5 - 35	0 - 300	-											
	116	CMMC	CMMC	CMMC	CMMC	CMMC	CMMC	CMMC	CMMC	CMMC	WL25	DF 5	M					L (litter)	RD	commercial thin from below ~
						L3:					1.0	15 years. Favor WL. Pacific								
												yew growing on site.								
139			GF 50	ES 50		L1 : 16 - 24" dbh	110	1	1											
C			01 30	23 30		21. 10 24 doi:	110		<u> </u>											
			DF 30	DF 30 GF 30		L2 : 5 – 12" dbh, 6" avg.	35 - 55	20 - 80	50	-		Harvest ~ 1990. Evaluate pre-								
	24	CMMC	ES 20	LP 20	М	, 0				L (litter)	SEV, BB, RD	commercial thin ~ 5 years.								
			DF 30	GF 30		L3: \$ - 4" dbh	5 - 25	650 - 900	200			Favor WL/DF. Pacific yew growing on site								
			ES 20	LP 10								growing on site								
			WL5	PP 5						1										

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, C Pre-commercial thinning treatment within 5 years, D Wildlife emphasis or non-forest type, E Administrative site

Commented [SG1]:

Stand #/ Class	# of Acres	Forest Type / Species			Stand	Trees per Acre (TPA) by Age Class					Special Resources	Notes										
		Forest Type	C	ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)										
140			GF 50 ES 30					L1: 5 – 16" dbh, 8" avg.	35 - 55	80 - 250	272 - 400			Harvest ~ 2005. Patchy stand								
С			DF 10	WL 5 WL 5		L2: \$ -4" dbh	5 - 25	150 - 350	50			with two age classes generally < 9" dbh. Evaluate pre-										
	48	CNANAC		ES 20	М	L2: \$ -4 dbn	5 - 25	150 - 350	50	1 (1:44)	FS, F, SEV, BB, RD	commercial thin with hand pile or mastication. Favor WL/DF. Alternative is commercial thin ~15 years. Pacific yew										
	48	CMMC	LP 5	L3 20	IVI	L3:				L (litter)												
												growing on site.										
144			GF 70	LP 20		L1: 5 – 14" dbh, 11" avg.	85-110	30 - 70	30			<u> </u>										
C/B		СММС	ES 10							L (litter)		Harvest ~ 1975. Evaluate pre-										
			WL5	GF 35		L2: 6 – 10" dbh,, 6" avg.	35	20 - 60	40		FS, F, TR,	commercial thin with hand pile or mastication. Favor WL/ES. Alternative is commercial thin from below ~ 15 years.										
	42		LP 50 ES	ES 10	10 M	L3:					BB, GR											
						LŞ.																
142			GF 60	WL10 LP 5		L1: 5 – 16" dbh, 11" avg.	50	100 - 220	150 - 224			Harvest ~ 1975. Evaluate pre-										
C/B		СММС																				
	17		СММС	СММС	СММС	CMMC	CMMC	CMMC	СММС	C1 11 1C	CNANAC	CNANAC	WL 5 ES 50	GF 40 ES 10		L2: \$ - 4" dbh	10 - 25	450 - 650	25	L (litter)	FS, F, GR,	commercial thin with hand pile
	1/									L3 30	ES 10		L3:				L (IILLEI)	SD.	or mastication. Favor WL/ES. Alternative is commercial thin			
															from below ~ 15 years.							
143			GF 60	ES 40		L1: 16 – 24 " dbh	110	1 - 5	1 - 5													
C/B												Harvest ~ 2000, overstory removal. PP/WL planted.										
	29	CMMC	PP 60 MMC GF 10	DF 10 ES 10	М	L2 : 5 - 12" dbh, 9" avg.	25	80 - 160	129 - 138	I (littor)	FS, F, GR,	Evaluate pre-commercial thin										
	23	CIVIIVIC	LP 10		IVI	L3:				L (litter)	SW	with hand pile or mastication. Favor WL/ES. Alternative is commercial thin ~ 15 years.										
			110																			

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; Cl – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; SW – Snow damage; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40% dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream

Stand #/ Class	# of Acres	Forest Type / Species		Trees per Acre (TPA) by Age Class					Foot	Special Resources	Notes							
		Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)							
A/D			PP 99		L1 : 5 – 10" dbh,	35	25	15			Heavily disturbed site, may							
	7	Non-	PP 99		L2: \$ - 4" dbh	15	25	10	- - L	P, F, NW	have potential to grow ponderosa pine. Noxious weeds (annual and domestic grasses and cinquefoil) need treatment, maintain boundary fence.							
	,	forest			L3:				(grasses)									
									- -									
B/D			PP 99		L1: 16" dbh	75	5	5	L (grasses)	P, F, NW	Dry meadow, saturated soils November thru June. Old orchard? Noxious weeds (annual and domestic grasses and cinquefoil) need treatment, maintain boundary fence.							
		Non-			L2:													
	4	forest			L3:													
C/D							I.	•										
		Non- Forest	PP 1		L1:						Blue bunch wheatgrass/mules ear plant community, past grazing. Noxious weeds							
	11				L2:				L (grass and	P, F, NW,								
	11		Forest	Forest	Forest	Forest	Forest	Forest	Forest			LZ:				Herbs)	WH	(annual grasses and cinquefoil) need treatment, maintain
						L3:						boundary fence.						
											·							
D/D		Non- Forest	PP 5								Blue bunch wheatgrass/mules							
					L1:				L (grass and		ear plant community, past							
	14				L2:					P, F, NW, WH	grazing. Noxious weeds (annual grasses and cinquefoil)							
		101630							herbs)	****	need treatment, maintain							
					L3:						boundary fence.							
L	L	-! WDMC			<u> </u>			L	L	L	FC Faralasaa Caasaa Mil Ma							

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand Photos (see Appendix A) Blue bunch wheatgrass/balsam root plant community. Choke cherry, bitterbrush and rabbitbrush present. Designate area for
wheatgrass/balsam root plant community. Choke cherry, bitterbrush and rabbitbrush
community. Choke cherry, bitterbrush and rabbitbrush
bitterbrush and rabbitbrush
wildlife. Maintain boundary
fence.
Blue bunch wheat grass/
balsam root plant community.
Idaho fescue and buckwheat present. Designate area for
wildlife. Treat noxious weeds.
wildlife. Treat floxious weeks.
Blue bunch
wheatgrass/Balsam root plant
community. Choke cherry,
ninebark, willow and ocean
spray in draws. Treat noxious weeds. Designate for wildlife.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

6. 1		Forest T	ype / Species	Stand	Trees per A	Acre (TPA)	by Age Class		_	Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
I/D											Blue bunch wheatgrass/Balsam root plant community. Choke cherry, ninebark, willow and ocean spray in draws. Treat noxious weeds. Designate for wildlife.
					L1:						
	33	Non-		NA					L (grass and	P, F, NW,	
	33	Forest		INA	L2:				brush)	WH	
					L3:				,		
											Maintain boundary fence.
J/D			PP 10 DF 45		L1: 12 – 30" dbh	85-110	20 - 40	20 - 40			
			GF 45								Area has numerous rock outcrops and cliffs. Steep
			PP 5 DF 50		L2: 5 – 12" dbh	35 - 55	20 - 40	20 - 40	1		terrain limits management
	17	CMMC	GF 45 PP 1 DF 50	М	L3: \$ - 4" dbh	5 - 25	40 - 60	40 - 60	L (litter)	WH, RD, BB	options. Adjacent to peregrine
			GF 49		L3: 5 - 4 dbn	5 - 25	40 - 60	40 - 60			nesting site. Manage for wildlife.
			GI 43								
K/D			PP 5 DF 40		L1: 12 – 22" dbh	85-110	30 - 50	30 - 50			
			WL15 GF 40								Area has numerous rock
			PP 40 DF 40		L2: 5 – 12" dbh	35 - 55	30 - 50	30 - 50	L – M		outcrops and cliffs. Steep terrain limits management
	14	CMMC	WL 5 GF 15	М	10 4 4" 11 1	5 - 25	50 - 70	50.70	(litter)	WH, RD, BB	options. Adjacent to peregrine
			PP 20 DF 55 WL 5 GF 20		L3: \$ - 4" dbh	5 - 25	50 - 70	50 - 70			nesting site. Manage for
			WL3 GF20								wildlife.
L/D			PP 5 DF 30		L1 : 12 -22" dbh	85-110	20 - 30	20 - 30			
			WL15 GF 50								Area has numerous rock
			PP 5 DF 45		L2: 5 – 12" dbh	35 - 55	20	20			outcrops and cliffs. Steep terrain limits management
	39	CMMC	WL10 GF 40	М					M (litter)	WH, RD, BB	options. Adjacent to peregrine
			PP 5 DF 50		L3: \$ - 4" dbh	5 - 25	20 - 30	20 - 30			nesting site. Manage for wildlife.
			WL10 GF 35								
	/ - -		I		<u> </u>	1	B: BE		1 1 5:	CF C 15:	· FS — Engelmann Spruce: W/I — W/e

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Stand		Forest T	ype / Species	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	Notes
#/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
М											
					L1:						
					L2:						
					L3:						
N/D			PP 99								
,					L1:						Blue bunch wheatgrass plant community. Treat for noxious
	25	Non-							L (grass)	P, F, NW,	weeds. Designate for wildlife.
	25	forest			L2:				L (grass)	WH	Maintain boundary fence. Hawthorne and snowberry in draw.
					L3:						
O/D											
0/0					L1:	l		<u> </u>			Blue bunch wheatgrass plant
		Non-								P, F, SP, IS,	community. Treat for noxious
	11	forest			L2:					NW, WH	weeds. Designate for wildlife. Maintain boundary fence. Old
					L3:						rock pit site.
P/D											
					L1:						Blue bunch wheatgrass plant
	13	Non- forest			L2:					P, F, SP, IS, NW, WH	community. Treat for noxious weeds. Designate for wildlife.
		rorest								NW, WH	Maintain boundary fence. Cocke cherry in draw.
					L3:						
							D: DE				56 5 1 6 140

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI – Range Improvement, SP – Spring, AC – Archery Club, ST – Perennial Stream, IS – Intermittent Stream, NF; Non-forest Stand Class: A Commercial entry within 5 years, B Commercial entry within 15 years, C Pre-commercial thinning treatment within 5 years, D Wildlife emphasis or non-forest type, E Administrative site

Chand		Forest T	ype / Species	Stand	Trees per A	cre (TPA)	by Age Class			Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	of (L, M, H) Species	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
Q/D			PP 99		L1 : 18 – 24" dbh	110	5	5			
	8	Non- Forest	PP 99	L	L2 : 8 – 12" dbh	45	5	5	L (grass)	BB DM	Area is a mix of forest and non-forest. Forested areas were logged ~ 2010. Maintain area as a fuels break.
			PP 50 DF 50		L3:						
					L1:						
					L2:				=		
					L3:						
S/D			PP 95 DF 5		L1 : 16 – 22" dbh	110	5	5			
		N	PP 90 DF 10		L2: 5 – 14" dbh	45	5	5			Area is a mix of forest and
	38	Non- Forest							L (grass)	BB, DM, GR	non-forest. Forested areas were logged ~ 2010. Maintain
			PP 60 DF 40		L3 : \$ - 4" dbh	5 - 25	10	10			area as a fuels break.
T/D			PP 90 DF 10 GF T		L1: 18 -32" dbh	110	1 - 2	1 - 2			Area has high water table with
	8	Moist – dry	PP 99 DF 1		L2: 6 – 12" dbh	45	5 - 10	5 - 10	L (grass)	SP, IS	seeps or springs creating enough flow for intermittent
		Meadow			L3:						stream. If grazing resumes this area would need fencing.

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Chand		Forest T	ype / Species	Stand	Trees per A	cre (TPA)	by Age Class		- 1	Special Resources	Notes
Stand #/ Class	# of Acres	Forest Type	Percentages of Species	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
AS-1			PP 90 DF 10		L1 : 18 -24" dbh, 20" avg.	95	15	10			
	2	WDMC	DF 60 PP 40		L2: 5 – 12" dbh 8" avg.	35	75	50	L (litter)	F, TR, GR,	Owsley Trailhead. Evaluate SPC and pile needs. PP mistle-
			PP 75 DF 25		L3: \$ - 4" dbh	10	50	25	,,	DM	toe in overstory.
AS-2			PP 99 DF 1		L1 : 16 – 23 "dbh, 20" avg.	90	25	30 - 45			Fox Hill Camparound and
					L2 : 5 – 14" dbh, 10" avg.	10	25	10	L		Fox Hill Campground and Trailhead. Harvest 2014 to
	7	WDMC			L2. 3 - 14 don, 10 avg.	10	25	10		F, CG, TH, GR, DM, BB	treat PP mistle-toe. Evaluate SPC and pile needs. Evaluate
					L3:					GIV, DIVI, BB	pruning needs to remove PP mistle-toe from lower crowns.
						1					
					L1:		1	1			
					L2:	1					
					L3:						
								•			
					L1:	1					
					L2:	+					
					L3:						
						<u> </u>			L	L	FC Faralasas Canasas NAU NA

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

Charact.		Forest T	ype / Sp	ecies	Stand	Trees per A	Acre (TPA)	by Age Class	;	- 1	Special Resources	Notes
Stand #/ Class	# of Acres		(ntages of ecies	Density (L, M, H)	Layers (L1, L2, L3)	Age	Current Density (TPA)	Desired Density (TPA)	Fuel Loads (L, M, H)	& Concerns (see list below)	Stand Photos (see Appendix A)
144			GF 70	LP 20		L1 : 5 – 14" dbh, 11" avg.	85- 110	30 - 70	30			
C/B			WLT WL5	ES 10 GF 35		L2 : 6 – 10" dbh, 6" avg.	35	20 - 60	40			Harvest ~ 1995. Evaluate pre- commercial thin with hand pile
	42	CMMC	LP 50	ES 10	М	LZ. 0 - 10 dbii, 0 avg.	33	20 - 00	40	L (litter)	FS, F, GR	or mastication. Favor WL/ES. Alternative is commercial thin from below ~ 15 years.
						L3:						
145			GF 75	DF 20		L1: 8 – 24" dbh	85-110	50 - 100	145 - 227			
D			WL 5	LP T			03 110	30 100	1.5 227			
			PP 40	DF 40		L2: 5 – 14" dbh	35 - 55	25 - 150	75		FS, F, WH,	Stepp slopes and rock outcrops limit areas available
	40	CMMC	LP 10	GF 10	L	L3:				L (litter)	TR, S	for management. Good stand for wildlife.
						LS:						
						L1:						
						L2:						
						LZ.						
						L3:						
150 B			DF 15 GF 40	WL 5 ES 40		L1 : 6 – 18" dbh, 13" avg.	85	100	95 - 142			
			31 40	23 40								Harvest ~ 1990. Evaluate
	15	CMMC	ES 40	GF 40	М	L2: \$ - 4" dbh	5 - 15	200 - 600	200	L (litter) DM	DM, RD, BB	commercial improvement cut ~ 15 years. Follow up with
			DF 15	LP 5								pre-commercial thin.
						L3:					pre commercial tillin	
Farrant Trees	- /7 6	-i MDMC	l	las astronal	:f CNANA	C - saal maist mixed sanifar	DD Dander	Di DE	Davida Sin ID II	deserte Dise	65 6 15	56 5 1 6 14

Snags: Having a variety of size and species of snags and large woody debris is important to provide for wildlife habitat and forest health.

Fuel Loads: Low Fuels – indicates the size, type, location and quantity of burnable fuels may have a lower risk of a catastrophic, stand replacing fire. Moderate Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a moderate risk of a catastrophic, stand replacing fire. High Fuel Loads – indicates the size, type, location and quantity of burnable fuels may have a higher likelihood of catastrophic, stand replacing fire.

Stand Density: Low – tree density (trees/acre) below recommended minimums for the site; Medium – tree density (trees/acre) at or within the recommended range for the site; High – tree density (trees/acre) above recommended range for the site. These recommendations are based on maintaining a healthy forest.

Special Resource & Concerns: HC – Hiding Cover; DM – Dwarf Mistletoe; RD – Root Diseases; NW – Noxious Weeds; WH – Wildlife Habitat; WR – Water Resource; CR – Cultural Resource; CI – Culvert Issue; Road Problem – RP; SEV – Special Ecological Value; TR – Trail; BB – Bark Beetle; GR – Gall Rust; SD – Stem Decay; F – Fence; P - Borders Private, FS – Borders Forest Service, S – Slope > 40%

dbh: diameter at breast height, TPA: trees per acre, SPC - Precommercial Thinning, RI - Range Improvement, SP - Spring, AC - Archery Club, ST - Perennial Stream, IS - Intermittent Stream

ANALYZE RESOURCE DATA

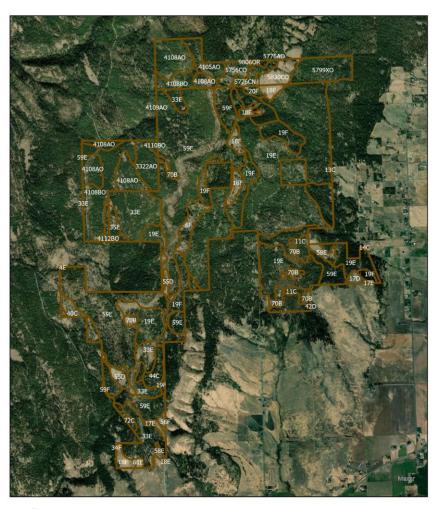
Soils

The soils type map for the MERA property can be found below. These soil types are the result of the *Soil Survey of Union County* conducted by the US Soil Conservation Service (now the USDA Natural Resources Conservation Service). Below is a listing of the soil types found on the MERA.

- 6F Anatone-Klicker complex, 40 65% slope
- 11C Cowsley silt loam, 2 12% slopes
- 13C Emily silt loam, 2 12% slopes
- 14C Emily cobbly silt loam, 2 12% slopes
- 17E Gwinley very cobbly silt loam, 2 40% slopes
- 18F Gwinley-Rockly complex, 40 70% slopes
- 19E Hall Ranch stony loam, 2 35% slopes
- 19F Hall Ranch stony loam, 35 65% slopes
- 33E Klicker stony silt loam, 2 40% slopes
- 35E Klicker-Anatone complex, 5 40% slopes
- 40C Lookingglass very stony silt loam, 2 20% slopes
- 44C Olot Stony silt loam, 12 35% slopes
- 55D Rockly extremely stony loam, 2 20% slopes
- 58E Starkey very stony silt loam, 2 35% slopes
- 59E Tolo silt loam, 12 35% slopes
- 61E Ukiah-Starkey complex, 5 40% slopes
- 70B Wilkens silt loam, 1 5% slopes
- 72C Olot silt loam, 2 12% slopes

Soil productivity should be protected whenever resource activities such as grazing, logging, log hauling or trail building occur. Activities should be timed to minimize soil displacement, sedimentation, compaction or erosion. Particularly avoid these activities when soils are saturated (November through May). Avoid using native surface roads during periods of high moisture and maintain and use drainage features such as culverts, water bars and out sloping.

Minimizing soil disturbance serves to maintain soil productivity but also reduces the opportunities for invasive non-native species to become established and minimizes the amount sediment reaching nearby streams.



Mt Emily Recreation Area Soils

Water Resources

The topography that lies within the MERA boundaries collects water that is part of the Lower Grande Ronde watershed. Within the MERA only one stream (Conley Creek) is considered to have fish habitat. The remaining streams are classified as non-fish. All streams are seasonal and are dry by July. Other water resources found within the MERA are several springs, stock ponds, bogs and seeps.

Water resources and their associated riparian zones contain unique plants, provide habitat to important species, cycle nutrients and regulate the delivery of solar energy. The Oregon Forest Practices Act focuses protections around riparian areas due to the potential for forestry activities to impact them. The goals of riparian protections are to continue to grow and harvest trees while ensuring:

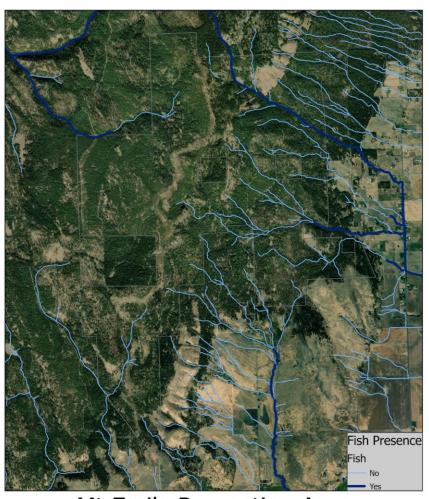
- Non-point pollution (sedimentation) resulting from forest operations does not impair water quality
- Vegetation that maintains, enhances or restores water quality, and that provides
 aquatic habitat components such as shade, large wood and nutrients are established
 and retained.
- Live trees of various species and sizes, snags and downed wood are present within riparian management areas to shade the water and provide habitat for fish and other aquatic species.

The Oregon Forest Practices Act has established Riparian Management Areas (RMAs) to include the ground along waterways where vegetation and microclimate are influenced by year-round or seasonal water, associated high-water tables and soils that exhibit some wetness. To help protect water bodies during and after forest practice activities, RMAs are regionally specified and have requirements for retaining trees, snags and understory vegetation, and for limited or modified practices that reduce disturbances from forestry activities that could impact aquatic habitat and water quality.

If forest practice activity occurs adjacent to riparian areas, a publication produced by the **Oregon Forest Resource Institute titled; Oregon's Forest Protection Laws** will help identify and classify water bodies and follow the required protections.

The RMAs besides protecting valuable water resources and aquatic species will also create unique habitat for various wildlife species.

If commercial grazing activity is restarted on the MERA the RMAs should be evaluated for possible impacts from grazing activity. Some possible mitigations are; timing, limiting the number of cow calf pairs, fencing and spring/pond development or improvements. A good reference document concerning grazing within in the MERA can be found in the Appendix B.





Mt Emily Recreation Area Streams Fish Presence

<u>Threatened & Endangered Species/Desired Wildlife Species/ Undesired Wildlife</u> Species

The 3,700-acre MERA property offers a variety of habitats for wildlife including; dry bunch grass types, moist meadows/riparian areas, small diameter to large diameter mixed conifer stands, numerous created openings and basalt rock outcrops and cliffs. A diverse mix of medium to tall shrubs beneath some of the mixed conifer stands adds value and complexity to these habitat types. Wildlife observed on the property include; mule deer, rocky mountain elk, black bear, mountain lion, fox, bobcat, coyote, turkey, sparrow-hawk, red-tail hawk, goshawk, pileated woodpecker, several species of owls, pine squirrel, chipmunk, grouse, quail and many songbirds. No threatened or endangered species are known to be present on the MERA. According to the Biodiversity Report several sensitive species are known to be present see Appendix D. A species of note is the peregrine falcon which has potential nesting sites along the cliffs and outcrops found on the MERA. Some of nesting sites were previously active. Mitigations and closures are in place if these sites become active again.

Most of the habitat needs for the wildlife species found within the MERA can be met if the following habitat components and structure are considered in the MERA management plan. Although the specifics vary by species these habitat components appear to be universally important for meeting the needs of diverse wildlife communities they are as follows;

- Spatial pattern; horizontal heterogeneity
- Structural diversity: vertical heterogeneity
- Snags
- Down logs
- · Riparian areas
- · Special and unique habitats

Prior to fire suppression, **Spatial pattern: horizontal heterogeneity** was a result of fire creating a variable density landscape, with patches of recently burned areas (forage), clumps of trees in unburned areas creating hiding cover dominated by fire-resistant tree sizes and species, large and small diameter snags for nesting and foraging, as well as down logs available as denning habitat and forage.

Silviculture can be used as a tool for wildlife-habitat enhancement. Planning projects with multiple densities benefits multiple species. Below are some guidelines:

- Using variable density thinning on about 75% of the stand to promote tree growth, vigor, drought resistance, early seral species and forage availability.
- Leaving 10 to 15% of the stand un-thinned to provide hiding cover and foraging habitat for species such as white-headed woodpeckers.
- Creating small regeneration patches throughout 10 to 15% of the stand will create hiding cover for multiple species as well as feeding habitat.

Structural diversity: vertical heterogeneity is also an important component of wildlife habitat in the forest. It refers to the number of layers and complexity of vegetation in a stand. Wildlife diversity increases with structural diversity which can be accomplished by;

- Managing multiple age classes of trees within and between stands.
- Managing multiple tree species.
- Retaining down logs and snags.
- Enhance understory development (grasses, shrubs, regeneration).

Snags are important to many species of plants, invertebrates, birds and mammals. Different species have adapted to each type of snag. Snags in the open are used by one group of cavity nesters and snags in cover support another mix of species.

Consider the following recommendations for high levels of cavity-nesting wildlife:

- For ponderosa and warm-dry mixed conifer forests, leave at least two snags per acre.
- In cool-moist mixed conifer, retain four to six snags per acre.
- Fifty percent of snags should be hard, greater 12 inches dbh.
- Preferred species are first ponderosa pine, then western larch, grand fir and Douglas-fir.
- Large diameter snags provide nest habitat for the greatest variety

Down logs are an important wildlife resource. In the Blue Mountains down logs host 5 amphibian species, 9 reptile species, 116 bird species, 49 mammal species and countless insect species.

- Ponderosa and warm-dry mixed conifer forests should have at least three to six logs per acre, greater than 12 inches in diameter and at least six feet long.
- Cool-moist mixed conifer forests should have at least 15 to 20 logs per acre at least eight inches in diameter.
- Logs 15 inches or greater in large end diameter are particularly important for species such as pileated woodpeckers.

Riparian areas are used by wildlife more than any other type of habitat because water can be a limiting resource. Of the 378 terrestrial species known to live in the Blue Mountains, 285 either exclusively depend on riparian areas or use them more than any other habitat. Riparian areas are important for wildlife because they provide water, abundant food and cover and favorable microclimates. Some riparian management considerations are:

- · Avoid road construction in riparian areas.
- The narrower the riparian area the more easily it is altered by management actions.
- Proper grazing management should include particular attention to protection of riparian areas
- The Oregon Forest Protection Act regulates harvesting, road building, stream crossings and pesticide applications in riparian areas.

Two **Special and unique habitats** can be found on the MERA. These are as follows:

- Black cottonwood groves along with limited amounts of aspen primarily found in the riparian areas or high-water table areas. The forks of Upper Conley Creek in particular is populated with black cottonwoods.
- A band of cliffs and rock bluffs and associated talus and steep slopes run for about a mile
 and a half paralleling Mount Emily Road. A portion of the area has restricted access to
 protect potential peregrine nesting habitat which in the past had active nests.

Some management strategies for overall diversity are:

Diversity among stands

- Retain integrity of riparian areas
- Restore, promote, and protect non-conifer habitat types (e.g., quaking aspen)
- Create ponds, and other water sources, and maintain/enhance wetlands
- Use lay-down fences to control grazing and allow wildlife access
- Provide for different species in different stands
- Vary levels of vegetation control
- Leave unmanaged areas

- Consider management from a landscape perspective
- · Maintain a variety of successional stages
- Use even and uneven-aged silviculture

Diversity within a stand

- Leave a variety of tree species where appropriate
- Seed forages (native) on skid trails and landings
- Retain or create snags and logs, and leave green trees for recruitment to snags
- Create new forage areas
- · Leave un-thinned patches
- Leave living trees with decay
- Leave some large trees

Microhabitats

- · Protect rock outcroppings, cliffs, caves, bogs, seeps and travel ways
- Leave a few high stumps
- Leave a few mistletoe-broomed trees

Overall species richness

- Make sure fuels reduction focuses on reducing continuity of fuels, not eradication
- Encourage a mixture of herbs, shrubs and trees to provide for more niches for wildlife species
- · Create or leave snags and down wood
- Maintain a variety of successional stages (age classes)

Description of

Rare, Sensitive & Unique Resources

The Biodiversity Report (Appendix D) listed for the area including the MERA listed several sensitive species but no rare species. Some of the likely sensitive species listed but not observed were; Northern Goshawk, Pileated woodpecker, Black-backed woodpecker, and Great gray owl a complete list can be found in the appendix section.

Within the MERA two unique resources were identified, first being several riparian areas lined with black cottonwoods. The most significant were found in the upper reaches of Conley Creek. The second unique resource was a line of rock outcrops, cliffs and talus slopes approximately 1.5 miles in length paralleling the Mont Emily Road. The cliffs in the recent past have had peregrines nesting. The sites are monitored by Oregon Department of Fish and Wildlife and motorized travel is restricted in the area.

Both of these areas were designated to be managed largely for wildlife in the Mount Emily Recreation Area plan.

Roads/Trails

Prior to the establishment of the MERA, a forest road system had been established by the Boise Cascade Corporation for the purposes of forest management and logging. This current road system is adequate for MERA's management needs. Since the establishment of MERA, portions of this forest road system have been incorporated into the motorized and non-motorized trail systems. The motorized and non-motorized trail systems that MERA has developed will be included in this discussion.

After surveying the MERA for this report the overall consensus, is that with a few exceptions the MERA road/trail system is in good condition posing little threat to local water sources. It is recommended that more complete road condition assessment be completed to plan future road maintenance and address any serious issues identified. Some things to take into consideration during the road condition assessment are as follows:

- Active road; currently used and maintained for recreation or timber management
- Inactive road; not currently used and maintained for recreation or timber management
- Vacated road; impassable and no longer used
- Native surface road; constructed with material on site, susceptible to rutting
- Rocked roads; made with crushed rock of varying sizes
- Grade surface; out-sloped, in-slope or crowned
- **Ditch**; channel designed to collect water run-off, for in-sloped roads
- **Ditch relief culverts**; move water on the uphill side of road, taking it under the road and releasing it onto a stable area on the downhill side
- Culvert; structure that allows water to flow under a road, used to convey streams under roads
- Drain dips; gentle rolls in the road surface, sloped to carry water to the outside, onto natural ground
- Water bar; small earth humps built into the road surface that divert road surface water so it will not cause erosion
- Drainage water and sediment; should be directed onto undisturbed vegetated soil, acting as a filter before entering the stream
- Durable material; resists deep rutting, durable material may be quarrying aggregate or pit run rock

A few issues identified that should be addressed in the future are as follows;

- Some native surface roads that are haul routes, could use rock surfacing and drainage improvements to prevent rutting and extend season of use for hauling
- The Cinch Road/Trail needs a culvert crossing at Conley Creek to make accessible to vehicles and log trucks
- Temporary closures are recommended on some roads on the motorized portion of the MERA to protect road bases and limit erosion and rutting
- Easy Out Road near Old Mill Road intersection needs some grade or drainage work to eliminate rutting during the wet season
- Minimize trails and features such as jump lines on existing roads, these features block access for management activities and fire suppression

A good source for information on road management is published by the Oregon Forest Resources Institute entitled Oregon's Forest Protection Laws, under the roads section.



Cultural Resources

Cultural resource surveys are required for any federal cost share funding projects. The MERA has contracted with a professional archeologist for cultural surveys to be conducted. These cultural surveys have identified cultural resources on the MERA and steps have been taken to mitigate any disturbance during project implementation. All future management activities will be conducted in a manner that does not disrupt potential cultural resources. If sites are discovered, additional confidential site assessment may be requested from the State Historical Preservation Office (SHPO) at (503) 986-0674.

Tax/Business/Regulatory Info

Prior to any timber harvest, the landowner should consult a qualified tax accountant to assess the impact of harvest on their individual tax situation. The landowner may find the need to establish a "taxable basis" if the land has been held for a long period of time.

Maintenance of good records (when you bought the property; how much you paid for the property; expenditures on the property; dates of harvest and volumes, etc.) is helpful for making future management decisions and tax purposes.

Prior to any commercial forest operation, the landowner (or operator) is required to file a notification of operation with the Oregon Department of Forestry (https://ferns.odf.oregon.gov/e-notification). This includes timber harvest, pre-commercial harvest, use of fire, use of chemicals, road building, power driven machinery etc. Also, prior to non-commercial operations that involve the use of power-driven machinery or fire (with exception of home debris burning) also require notification.

If you have questions – please consult your local stewardship forester.

Integrated Pest Management

Integrated pest management is a broad-based approach that integrates practices through the careful consideration of all available pest control techniques and subsequent integration of appropriate measures that discourage the development of pest populations and keep pesticides and other interventions to levels that are economically justified and reduce or minimize risks to human health and the environment.

The landowner should consider utilizing integrated pest management techniques for the control of pathogens in trees, noxious weeds, and other damaging agents (e.g. use of biocontrol for weeds; use of livestock to reduce weeds; weed/brush/grass competition).

In the process of surveying the MERA various pests related to forest ecosystems were identified and are listed below along with integrated measures for their control. Appendix B of this report contains various leaflets, notes or bulletins produce by the US Department of Agriculture, US Forest Service and Oregon Department of Forestry that discuss the identification and management of the various insects and diseases that are currently endemic to the MERA.

The following insect and diseases, were found to be present on the MERA. Included is the host species and various integrated management strategies. For more detailed information refer to Appendix B.

- Western gall rust; Host species: ponderosa pine and lodgepole pine; Management strategies: remove infected individuals during forest operations, maintain good spacing
- **Cytospara canker**; Host species: Douglas-fir; Management strategies: remove infected individuals during forest operations
- **Douglas-fir Dwarf Mistle-toe**; Host species: Douglas-fir; Management strategies: favor non-host species, remove infected individuals during forest operations
- Douglas-fir Pole and Engraver Beetles; Host species: Douglas-fir; Management Strategies: control stocking with thinning, remove infected individuals during forest operations
- Douglas-fir Beetle; Host species: Douglas-fir; Management strategies: remove wind throw and infected trees
- Elytoderma Needle Blight; Host species: ponderosa pine; Management strategies: maintain good spacing, remove infected individuals during forest operations
- **Armillaria Root Disease;** Host species: true firs and Douglas-fir; Management strategies: manage for resistant species such as ponderosa pine and western larch
- Laminated Root Rot; Host species: true firs and Douglas-fir; Management strategies: manage for resistant species such as ponderosa pine and western larch, avoid thinning young stands
- Fir Broom Rust; Host species: true firs; Management strategies: None
- **Fir Engraver;** Host species: true firs; Management strategies: control stocking with thinning, remove infected individuals during forest operations, avoid slash creation from April to July
- Larch Casebearer; Host species: western larch; Management strategies: favor Douglasfir and ponderosa pine
- Larch Dwarf Mistle-toe; Host species: wester larch and lodgepole pine; Management strategies: favor non-host species, remove infected individuals during forest operations
- Mountain Pine Beetle; Host species: ponderosa pine and lodgepole pine; Management strategies: control stocking with thinning, remove infected individuals during forest operations
- **Pine Engraver Ips;** Host species: ponderosa pine and lodgepole pine; Management strategies: Avoid slash creation from December to August
- **Western Dwarf Mistle-toe;** Host species: ponderosa pine; Management strategies: favor non-host species, remove infected individuals during forest operations
- Western Pine Beetle; Host species: ponderosa pine; Management strategies: control stocking with thinning, remove infected individuals during forest operations

Invasive plants were identified while surveying the MERA property, Union County is currently addressing them through grants and contracts. Below is a list of invasive plants found on the MERA:

- Sulphur cinquefoil
- Quack grass
- Oat grass
- Sweet briar rose
- St, John's wort
- Hounds tongue
- Canada thistle
- Bull thistle
- Ventanata
- Medusa head
- Diffuse knapweed

Prescribed Burning

Prescribed fire is the controlled application of fire to the land and is one tool used by land managers to achieve specific management goals.

Prescribed fires may be beneficial because they:

- Reduce fuel buildup.
- Improve wildlife habitat and forage for grazing.
- Manage competing vegetation.
- Control disease.
- Increase aesthetics.
- Cycle nutrients.
- Promote the creation of snags and down wood.

The following stands which were recently logged and had post sale work completed would be good candidates for prescribed burning; Stands 1, 2, 3, 4, 6 (partial), 6A, 112 and 127.

* Before performing any kind of burning on your property contact your local Oregon Department of Forestry office for burning and smoke management requirements and NRCS for available funding opportunities.

- ** Working with a professional forester, or others with prescribed burning experience is highly recommended and will lead to a more successful burning project.
- *** Information on prescribed burning excerpted from Understanding Fire and Its Use as a Management Tool, EM9114, Oregon State University. https://catalog.extension.oregonstate.edu/em9114

Aesthetics & Recreation

The MERA property is central to the iconic view of Mount Emily that is captured by thousands of photographs and photographers year-round. Alternatively, the MERA offers views to its users of the Grande Ronde Valley with its patchwork of farmland, the surrounding tree covered Blue Mountains, and the alpine peaks of the Wallowa and Elkhorn Mountains. The MERA users enjoy stands of primarily ponderosa pine and Douglas-fir with their associated native plant understories of medium to tall shrubs and forest grasses and sedges. Stands vary from young, vigorous and healthy trees to mature, large diameter and stately trees. The large tract of area and the vast network of trails allows users to disperse and find solitude and catch glimpses of the local wildlife.

All planned future management activities should be planned with the goal of maintaining and even enhancing the MERA's aesthetic values.

Since its purchase the MERA, has become extremely popular with Northeast Oregon residents and visitors from around the Northwest. The MERA has become one of the most stated reasons for people visiting Union County, according to the Chamber of Commerce.

After the MERA purchase in 2008, a 45-mile non-motorized trail system and three trailheads have been developed. The non-motorized trails provide opportunities for mountain biking, hiking, trail running, dog walking and horseback riding. A 45-mile motorized trail system has been developed with trailhead, staging area, campground and a youth learning loop. The motorized trails provide riding opportunities for ATV's, full-sized off-road vehicles, motorcycles and side by sides. Within MERA's boundaries, the Grande Ronde Bowman an archery club leases 100 acres and facilities to host tournaments and promote bow hunting.

Recreation and aesthetics should continue to be a top priority for the MERA. Careful planning is essential to maintaining the overall recreation experience and the beauty of the MERA.

FORMULATE ALTERNATIVES

Desired Future Conditions

Recreation:

- Have well designed, safe and maintained trail systems and trailheads for both motorized and non-motorized uses.
- Have trail networks be compatible with the other stated objectives of the MERA (Aesthetics, Forest Health, Fire Resistance and Resiliency and Wildlife Habitat and Diversity).
- Ensure trails don't negatively impact other resources such as soils, water and wildlife

Forest Health:

- Stands are dominated by fire resistant species (ponderosa pine, western larch and Douglas-fir)
- Stand stocking levels based on forest type, species and average stand diameter are maintained between the suggested lower and upper management zones, (see Ecology and Management of Eastern Oregon Forests, Oregon State University)
- Insect and diseases issues are maintained at endemic levels
- When appropriate new age classes are recruited

Fire Resistance and Resiliency:

- Fuel loading is maintained at acceptable levels
- Prescribed fire is introduced when and where appropriate
- Fire resistant species are dominant
- Stands have a good mix of larger diameter trees
- The following stands which were recently logged and had post sale work completed would be good candidates for prescribed burning; Stands 1, 2, 3, 4, 6 (partial), 6A, 112 and 127.

Wildlife Habitat and Diversity:

- A diverse mixture of habitats is present, benefiting multiple wildlife species
- A diverse mixture of wildlife species utilizes the MERA, both game and nongame
- Native plant ecosystems are intact and protected
- Adequate numbers per acre of downed logs and snags are present
- Noxious weeds are kept at acceptable levels

Goals & Actions

Below are some suggested goals or actions are listed for each of the following topics;

Recreation/Aesthetics

Recreation and aesthetics should be a top priority for the MERA. Careful planning is
essential to maintaining the overall recreation experience and the aesthetics of the
MER Δ

Forest Health

Implement the schedule of actions by stand, listed in the 'Planned Actions' table below,
to ensure that stands are dominated by fire resistant species (ponderosa pine, western
larch and Douglas-fir), stand stocking levels based on forest type, species and average
stand diameter are maintained between the suggested lower and upper management
zones, insect and diseases issues are maintained at endemic levels and when
appropriate new age classes are recruited.

Fire Resistance/Resiliency

- Implement the schedule of actions by stand, listed in the 'Planned Actions' table below, to ensure fuel loading is maintained at acceptable levels, prescribed fire is introduced when and where appropriate, fire-resistant species are dominant and stands have a good mix of larger diameter trees.
- The following stands which were recently logged and had post sale work completed would be good candidates for prescribed burning; Stands 1, 2, 3, 4, 6 (partial), 6A, 112 and 127.

Wildlife Diversity and Habitat

• Establish some wildlife emphasis areas see 'Planned Actions" table below, to protect unique habitats and limit wildlife disturbance. Take these areas into consideration when planning future developments.

Soils

 Soil productivity should be protected whenever resource activities such as grazing, logging, log hauling or trail building occur. Activities should be timed to minimize soil displacement, sedimentation, compaction or erosion

Water Resources

When implementing forest management activities follow The Oregon Forest Practices
 Act which has established Riparian Management Areas (RMAs) to include the ground

along waterways where vegetation and microclimate are influenced by year-round or seasonal water, associated high-water tables and soils that exhibit some wetness. To help protect water bodies during and after forest practice activities, RMAs are regionally specified and have requirements for retaining trees, snags and understory vegetation, and for limited or modified practices that reduce disturbances from forestry activities that could impact aquatic habitat and water quality.

Roads/Trails

- It is recommended that a road condition assessment be completed to plan future road maintenance and address any serious issues identified See below;
 - Some native surface roads that are haul routes, could use rock surfacing and drainage improvements to prevent rutting and extend season of use for hauling
 - The Cinch Road/Trail needs a culvert crossing at Conley Creek to make accessible to vehicles and log trucks
 - Temporary closures are recommended on some roads on the motorized portion of the MERA to protect road bases and limit erosion and rutting
 - Easy Out Road near Old Mill Road intersection needs some grade or drainage work to eliminate rutting during the wet season
- Perform yearly maintenance to maintain grade and drainage to prevent erosion and sedimentation.

Cultural Sources

• When planning new projects make sure cultural surveys are planned and completed.

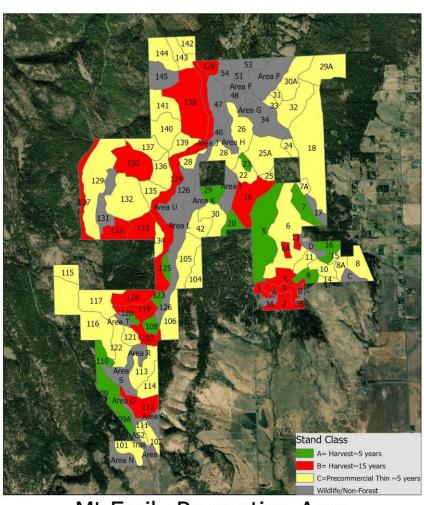
Integrated Pest Management

- Perform yearly surveys to monitor for insect and disease outbreaks.
- Monitor and treat noxious weeds yearly.

Prescribed Burning

• The following stands which were recently logged and had post sale work completed would be good candidates for prescribed burning; Stands 1, 2, 3, 4, 6 (partial), 6A, 112 and 127.

EVALUATE ALTERNATIVES





Mt Emily Recreation Area Stand Class

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
	Evaluate harvest options in ~ 15 years, using individual tree and group selection to promote a mix of healthy large diameter mature trees and			Maintaining boundary fencing, and enclosure. Area has a
1	younger age classes. Prescribed fire ~ 5 years to reduce fuel build up.	Low	9	high density of user trails. Monitor and treat noxious weeds.
2	Evaluate harvest options in ~ 15 years, using individual tree and group selection to promote a mix of healthy large diameter mature trees and younger age classes. Prescribed fire ~ 5 years to reduce fuel build up.	Low	24	Maintaining boundary fencing. Area has a high density of user trails. Monitor and treat noxious weeds.
3, 3A, 3B	Evaluate harvest options in ~ 15 years, thin from below and small group selection to promote a mix of healthy large diameter trees and promote recruitment of new age class. Prescribed fire ~ 5 years to reduce fuel build up.	Low	26	Maintaining boundary fencing, enclosure and watering trough. Area has a high density of user trails. Monitor and treat noxious weeds.
4	Pre-commercial thin and pile. Completed 12/23. Burn piles 2024. Evaluate harvest options in ~ 15 years, using individual tree and group selection to promote a mix of healthy large diameter mature trees and younger age classes. Prescribed fire ~ 5 years to reduce fuel build up. Monitor PP dwarf-mistle-toe infection.	Low	25	Maintaining boundary fencing, enclosure and watering trough. Area has a high density of user trails. Monitor and treat noxious weeds.
5	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Alternative is to Evaluate harvest options in ~ 5 years, using individual tree and group selection to promote a mix of healthy large diameter mature trees and younger age classes. Follow with precommercial thinning.	High	116	Archery Club leases property. Buildings and infrastructure. Maintaining boundary fencing. Spring development. Perennial stream. High density of user trails. Root disease prevalent in DF and GF. Monitor and treat noxious weeds.
6	Pre-commercial thinning with mastication and hand thinning and hand piling completed on \sim 50 acres $12/22 - 12/24$, after 2022 harvest. Hand piles burned $12/24$. Complete precommercial thinning and hand piling on the remaining acres in next five years. Burn piles.	High	121	Perennial stream. Root disease prevalent in DF/GF. Ips bark beetle active in PP. Monitor and treat noxious weeds.

	- Of Flatifica Actions			
Forest Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
6A	Evaluate harvest options in ~ 15 years, thin from below and small group selection to promote a mix of healthy large diameter trees and promote recruitment of new age class. Prescribed fire ~ 5 years to reduce fuel build up.	Low	7	Burn landing pile. Monitor and treat noxious weeds.
7	Evaluate harvest options in ~ 5 years, thin from below and individual tree selection to promote a mix of healthy large diameter mature trees and younger age classes. Alternative treatment is a pre-commercial thin with hand piles or mastication ~ 5 years.	High	32	Area has high density of user trails. Monitor and treat noxious weeds.
7A	Evaluate precommercial thin with hand piles \sim 5 years. Favor WL/PP.	High	9	Area has high density of user trails. Monitor and treat noxious weeds. Old rock pit is part of stand.
8	Evaluate pre-commercial thin with hand piles or mastication \sim 5 years.	High	32	Maintaining boundary fencing. Monitor and treat noxious weeds.
8A	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Root disease prevalent favor PP/WL.	High	15	Monitor and treat noxious weeds.
9	Evaluate harvest options in ~ 5 years, thin from below to promote healthy large diameter trees. Individual tree selection to target PP mistle-toe.	High	17	Cultural resource concerns require winter logging. Prescribed fire ~ 10 years to reduce fuel build up. Monitor and treat noxious weeds. Maintain boundary fencing.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		•		
	Evaluate pre-commercial thin with hand piles or mastication ~ 5			Intermittent stream. Monitor and treat noxious
10	years. Favor PP/WL as root disease is prevalent DF and GF.	High	21	weeds.
	,,	Ü		
	Figure 2 and a communication with board allow as another transfer			
11	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Favor PP/WL as root disease is prevalent DF and GF.	High	16	Monitor and treat noxious weeds.
	years. Tares 17, 172 us 100 t allocate is prevalent by and city	6		Harvest in 2023 was only completed on 4 acres.
				Remaining two acres would benefit from a
	Evaluate harvest options in ~ 15 years, thin from below and small			precommercial thin of trees < 9" dbh to reduce
13	group selection to promote a mix of healthy large diameter trees and promote recruitment of new age class.	Low	6	density. Hand pile slash. Monitor and treat noxious weeds. Maintain boundary fencing.
15	and promote recruitment of new age class.	LOW	0	weeds. Maintain boundary fencing.
1.0	Evaluate precommercial thin with hand piles or mastication ~ 5	re-t-	-	Maintain boundary fencing. Monitor and treat
14	years. Favor PP/WL as root disease is prevalent DF and GF.	High	7	noxious weeds. Cultural resources.
	Evaluate for Harvest ~ 5 years. Small acres limiting. Favor WL/PP.			
	Alternative option is pre-commercial thin and hand pile or			Perennial stream. Monitor and treat for noxious
15	mastication.	High	5	weeds. Cultural resources.
	Evaluate harvest options in ~ 5 years, thin from below and			
	individual tree selection to promote a mix of healthy large diameter			
	mature trees and younger age classes. Alternative treatment is a			Maintain boundary fencing. Monitor and treat
16	pre-commercial thin with hand piles or mastication ~ 5 years.	High	22	noxious weeds. Cultural resources.

Forest Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
IVAIIIC	Suggested Management Actions	FIIOTILY	Acres	Other Wallagement Considerations
17	Manage for wildlife and old growth. Evaluate pre-commercial thin with hand piles ~ 5 years. Favor PP/ WL as root disease is prevalent DF and GF. DF bark beetles active.	Medium	15	Steep and rocky slopes limiting. Haul road requires culvert. Potential old growth stand. Monitor and treat noxious weeds.
18	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Favor PP/WL as root disease is prevalent DF and GF.	High	176	Culvert required for access road. High density of user trails. Maintain boundary fencing. Monitor and treat noxious weeds.
19	Evaluate harvest options in ~ 15 years, thin from below and individual tree selection to promote a mix of healthy large diameter mature trees and younger age classes.	Medium	66	Monitor and treat noxious weeds. High density of user trails.
20	Evaluate harvest options in ~ 5 years, thin from below and individual tree selection to promote a mix of healthy large diameter mature trees and younger age classes. Alternative is pre-commercial thin with hand piles or mastication. Favor PP/WL.	Medium	18	Maintain boundary fencing. Monitor and treat noxious weeds. High density of user trails.
22	Evaluate pre-commercial thin with hand piles ~ 5 years. Favor PP/WL as root disease is prevalent DF and GF.	Medium	20	Monitor and treat noxious weeds.
23	Evaluate harvest ~ 5 years. Thin from below. Favor PP/ WL.	High	8	Slope limiting. Monitor and treat noxious weeds.

Forest				
Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Favor			Monitor and treat noxious weeds. High density of
24	PP/WL as root disease is prevalent DF and GF.	High	68	user trails.
	Fundamental and a second side of Fundamental and side			
	Evaluate pre-commercial thin and pile ~ 5 years. Favor PP/DF. Alternative is harvest ~ 5 years, thin from below and individual tree selection to promote a			
	mix of healthy large diameter mature trees and younger age classes. Steep			Maintain boundary fencing. Borders private. Monitor
25	slopes and adverse skid limit logging	High	7	and treat noxious weeds. High density of user trails.
	Evaluate pre-commercial thin and hand pile ~ 5 years. Alternative is harvest ~			
	5 years, thin from below and individual tree selection to promote a mix of healthy large diameter mature trees and younger age classes. PP mistle-toe			Monitor and treat noxious weeds. High density of
25A	present. Steep slopes limit logging.	High	12	user trails.
		, and the second		
	Harvest ~ 5 years, thin from below and individual tree selection to promote a mix of healthy large diameter trees. Alternative is pre-commercial thin and			High density of user trails. Monitor and treat noxious
26	hand pile or mastication.	High	47	weeds.
	That a pile of masteadom	6	.,	
	Evaluate SPC and hand pile ~ 5 years. Favor PP/WL/DF. Alternative is harvest			Broken terrain, steep slopes limiting in places. High
20	~ 15 years, thin from below and individual tree selection to promote a mix of	N 4 m al li comi	20	density of user trails. Monitor and treat noxious weeds.
28	healthy large diameter mature trees and younger age classes.	Medium	28	noxious weeds.
	Evaluate harvest options in ~ 5 years, thin from below and small group			Intermittent stream. High density of user trails.
	selection to promote a mix of healthy large diameter trees and promote			Approximately two acres of SPC favor WL. Monitor
29	recruitment of new age class.	High	21	and treat noxious weeds.

NOTE; For each Stand with planned actions of either a pre-commercial thinning or a commercial harvest refer back to the Forest Stand Characteristics Table and the column headed Desired Density (TPA). The Desired Density (TPA) is a range based on the stands forest type, target species (i.e. ponderosa pine) and average stand diameter. This range is between the suggested lower and upper management zones, (see Ecology and Management of Eastern Oregon Forests, Oregon State University). These suggested stocking levels (TPA), delineate a management zone in which stand densities are presumed to be relatively resistant to insect and disease problems and to preclude serious tree mortality from bark beetles. Stand densities should be maintained below the upper limit of the management zone.

Commented [SG2]:

Forest				
Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
			110.00	
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			Maintain boundary fencing. Monitor and treat noxious
29A	Favor PP/WL as root disease is prevalent in DF and GF.	High	62	weeds.
	,	Ü	_	
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			Maintain boundary fencing. Monitor and treat noxious
30	Favor PP/WL as root disease is prevalent in DF and GF.	High	37	weeds. Intermittent stream. High density of user trails.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
	Favor PP/WL as root disease is prevalent in DF and GF. Alternative is			Maintain boundary fencing. Monitor and treat noxious
30A	harvest ~ 5 years, thin from below. Mainly pulpwood limiting logging.	High	49	weeds. Intermittent stream. High density of user trails.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.		_	High density of user trails. Monitor and treat noxious
31	Alternative is harvest ~ 15 years, thin from below.	Medium	7	weeds. User trails.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
	Favor WL as root disease is prevalent in DF and GF. and PP mistle-toe			High density of user trails. Monitor and treat noxious
32	infection common.	High	54	weeds. User trails.
32	miccion common.	111611	54	weeds. Osci trans.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
	Favor PP and WL as root disease is prevalent in DF and GF. Alternative is			
33	harvest ~ 5 years, thin from below. Mainly pulpwood limiting logging.	High	8	Intermittent stream. Monitor and treat noxious weeds.

Forest				
Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
	Good candidate for wildlife habitat, future old growth stand. Alternative is			Slopes limiting for logging. User trail present.
34	to commercial thin ~ 5 years. Thin from below, favor DF/WL. Possible pre- commercial thin with hand pile or mastication. Favor WL/DF	Low	69	Intermittent stream. Monitor and treat noxious weeds.
34	Commercial thin with hand pile of mastication. Pavor WL/DP	LOW	09	intermittent stream. World and treat hoxidus weeds.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
	Favor PP/WL as root disease is prevalent in DF and GF. Alternative is			Root disease prevalent in DF/GF. Monitor and treat
42	harvest ~ 15 years, thin from below. Mainly pulpwood limiting logging.	High	28	noxious weeds. User trail present.
	Evaluate for harvest ~ 5 years, thin from below and individual tree			
	selection to promote a mix of healthy large diameter mature trees and younger age classes. Favor DF/WL. Alternative is to leave for wildlife with			Slopes limiting for logging. User trail. Monitor and
46	surrounding stands.	Low	7	treat noxious weeds.
40	Surrounding statios.	2011	,	treat noxious weeds.
				Slopes limiting for logging. User trail. Monitor and
47	Manage as wildlife habitat. Steep, rock slopes with tall brush.	Low	52	treat noxious weeds.
				Slopes limiting for logging. Monitor and treat noxious
48	Manage as wildlife habitat.	Low	22	weeds. Old helicopter landing.
				Clause limiting for leaving Maniton and tract
51	Manage as wildlife habitat.	Low	18	Slopes limiting for logging. Monitor and treat noxious weeds.
	manage as manie habitat.	LOW	10	

Forest				
Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
	3 33 33 33 33 33 33	,		
53	Manage as wildlife habitat.	Low	28	Slopes limiting for logging. Monitor and treat noxious weeds. Maintain boundary fencing.
54	Manage as wildlife habitat.	Low	24	Slopes limiting for logging. Monitor and treat noxious weeds. Maintain boundary fencing.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		•		
404	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.	18-6	22	Maintain boundary fence. Monitor and treat noxious weeds. Protect cultural resource. User trail present. Intermittent stream present.
101	Favor DF, PP mistle-toe prevalent.	High	22	Intermittent stream present.
101 A	Evaluate for harvest ~ 5 years, thin from below and individual tree selection to promote a mix of healthy large diameter mature trees and younger age classes. Watch for PP mistle-toe.	High	3	Maintain boundary fence. Monitor and treat noxious weeds. Protect cultural resource. User trail present. Intermittent stream present.
				·
102	Evaluate for pre-commercial thin and pile $^\sim$ 5 years. Understory 5" dbh to 10" dbh heavily infected with PP mistle-toe, favor DF.	High	15	Maintain boundary fence. Monitor and treat noxious weeds. Slope and topography limiting for logging.
104	Evaluate pre-commercial thin with hand pile or mastication. Favor PP/WL.	High	27	Maintain boundary fence. Monitor and treat noxious weeds.
105	Evaluate pre-commercial thin with hand pile or mastication. Favor PP/WL. Alternative is a commercial thin from below $^{\sim}$ 15 years	High	49	Maintain boundary fence. Monitor and treat noxious weeds
106	Evaluate pre-commercial thin with hand pile or mastication \sim 5 years. Alternative is commercial thin from below \sim 15 years. Favor WL/PP.	High	42	Maintain boundary fence. Monitor and treat noxious weeds. Protect cabin/spring.

Forest				
Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
ivaille	Suggested Management Actions	Priority	Acres	Other Management Considerations
	Evaluate for harvest ~ 15 years. Sanitation salvage to remove PP mistle-toe			
	infected trees. Follow up with precommercial thin to remove mistle-toe			Maintain boundary fencing. Monitor and treat noxious
107	infected understory.	Low	24	weeds.
108				
	Evaluate for harvest ~ 5 years, thin from below and individual tree			
	selection to promote a mix of healthy large diameter mature trees and			Maintain boundary fencing. Monitor and treat noxious
109	younger age classes. Watch for PP and DF mistle-toe.	High	28	weeds. User trail present. Seasonal stream present.
				·
	Evaluate harvest options ~ 5 years, thin from below and small group			Small acres limiting. Treat at same time as 101A and
109A	selection to promote a mix of healthy large diameter trees and promote recruitment of new age class. Watch for PP mistle-toe and gall rust.	Medium	9	109. Maintain boundary fence. Monitor and treat noxious weeds.
100/1	Test district of hear age disest. Tracer for 11 missie toe and gain ass.	···caia		nomous recusi
110	Evaluate harvest options ~5 years. Stand needs a sanitation salvage due to	Hiah	39	Maintain boundary fence. Monitor and treat noxious weeds.
110	DF mistle-toe. Favor PP. Access limiting.	High	39	weeus.
	Evaluate pre-commercial thin with hand piles ~ 5 years. Favor DF, PP			
	mistle-toe prevalent. Alternative is to wait ~ 15 years to harvest slopes <			Monitor and treat noxious weeds. Slope and
111	40%.	Medium	5	topography limiting for logging. Seep present.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		-		-
	Evaluate harvest options in ~ 15 years, sanitation harvest and small group selection to reduce spread of PP mistle-toe and promote recruitment of DF			
	regeneration. Alternate treatment pre-commercial thin and hand pile or			
112	mastication. Favor trees with mistle-toe in lower one third of crown.	Medium	40	Monitor and treat noxious weeds. User trail present.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
	Favor DF due to PP mistle-toe. Alternative treatment is to wait ~ 15 years			Maintain boundary fencing. Monitor and treat noxious
113	and do a thin from below.	High	41	weeds.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			
114	Favor DF due to PP mistle-toe. Alternative treatment is to wait ~ 15 years and do a sanitation salvage.	Medium	27	Maintain boundary fencing. Monitor and treat noxious weeds. Slopes limit logging.
114	and do a sanitation salvage.	Medium	21	weeds. Stopes inflit logging.
				Martin to the control of the control
115	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years. Favor PP and WL due to root disease in GF and DF.	Medium	30	Maintain boundary fencing. Monitor and treat noxious weeds. Seasonal stream.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			Maintain boundary fencing. Monitor and treat noxious
116	Favor PP and WL due to root disease in GF and DF.	Medium	115	weeds. Seasonal stream.
	Evaluate pre-commercial thin with hand piles or mastication ~ 5 years.			Maintain boundary fencing. Monitor and treat noxious
117	Favor PP and WL due to root disease in GF and DF.	High	53	weeds.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
118	Evaluate for harvest ~ 15 years. Favor healthy dominant PP. Follow up with pre-commercial thin with hand pile or mastication. Favor PP and DF.	Low	36	Maintaining boundary fencing. Monitor and treat noxious weeds.
119	Evaluate for commercial thin from below $^\sim$ 15 years. Watch for PP mistletoe, favor WL.	Low	33	Monitor and treat noxious weeds.
120	Evaluate commercial thin from below in 5 – 15 years. Watch for PP mistletoe. Follow harvest with pre-commercial thin, favor PP/DF.	Medium		Monitor and treat noxious weeds.
121	Evaluate pre-commercial thin $^{\sim}$ with hand pile or mastication $^{\sim}$ 5 years. Target PP with mistle-toe infection especially in upper crowns. Alternative is a commercial thin from below in $^{\sim}$ 15 years. Small stand diameter limiting.	Medium		Monitor and treat noxious weeds.
121B	Evaluate Sanitation salvage ~ 15 years, for trees with severe PP mistle-toe. Trees are interspersed with areas of non-forest. Stand acts as a fuels break.	Low		Monitor and treat noxious weeds.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		-		
	Evaluate ~ 5 years for pre-commercial thin with hand pile or mastication.			
122	Favor PP and WL due to root disease in GF and DF	Medium	39	Monitor and treat noxious weeds.
	Evaluate ~ 5 years for over story removal to manage young vigorous under			
123	story. Follow up with pre-commercial thin. Favor PP/DF	Medium	8	Monitor and treat noxious weeds.
124	Maintain fuels break. Evaluate commercial thin from below ~ 15 years.	Low	125	Monitor and treat noxious weeds. Possible Rx burn.
125	Evaluate commercial thin from below ~ 5 years.	High	10	Monitor and treat noxious weeds.
	Leave as a buffer for peregrine nesting site. If managed pre-commercial			Monitor and treat noxious weeds. Management
126	thin ~ 5 years. Hand pile or mastication.	Medium	58	activities limiter from September 1 st to December 31 st .
				Maintain boundary fencing. Monitor and treat noxious
127	Evaluate commercial thin and fuels break maintenance ~ 15 years	Low	29	weeds. Possible Rx burn.

Forest				
Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
				Borders USFS. Wet areas. Monitor and treat noxious
128	Evaluate harvest ~ 15 years. Favor PP/WL/DF/ES	Medium	16	weeds. Maintain boundary fencing.
120	Evaluate narvest 15 years. Parot 17 Weg 517 E5	Wicalam	10	The state of the s
	Evaluate pre-commercial thinning with hand piles or mastication. Favor			Borders USFS and private. Maintain boundary fencing.
129	WL/PP. Alternative is to wait for commercial thin from below ~ 15 years.	High	122	Monitor and treat noxious weeds.
	Evaluate commercial thin from below ~ 15 years. Create small openings to			Protect Pacific yew growing on site. Monitor and treat
130	promote new age class. Favor WL/PP.	Medium	65	noxious weeds. Maintain boundary fencing.
				, , , , , , , , , , , , , , , , , , , ,
	Evaluate improvement cut to remove DF mistle-toe and trees with poor			
131	crown ratios. Promote younger age classes. Areas of non-forest mixed in.	Low	40	Monitor and treat noxious weeds.
	Evaluate pre-commercial thinning with hand piles or mastication. Favor			
132	WL/PP. Alternative is to wait for commercial thin from below ~ 15 years.	High	90	Monitor and treat noxious weeds.
	,			
422	Evaluate commercial thin from below ~ 15 years. Alternative is pre-	N A a aliaa	67	Maintain boundary fencing. Monitor and treat noxious
133	commercial thin with hand piles or mastication ~ 5 years.	Medium	67	weeds.

Forest				
Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
				March and American Inc.
424	E al ata a consciolatio for a halo at a MAE a conscionary DD/DE	1	16	Monitor and treat noxious weeds. Maintain boundary fencing.
134	Evaluate commercial thin from below in ~ 15 years. Favor PP/DF.	Low	16	lending.
	Evaluate pre-commercial thinning with hand piles or mastication. Favor			Protect Pacific yew growing on site. Monitor and treat
135	WL/PP. Alternative is to wait for commercial thin from below ~ 15 years.	High	22	noxious weeds. Rock out crops.
	,			·
				Protect Pacific yew growing on site. Monitor and treat
	Evaluate pre-commercial thinning with hand piles or mastication. Favor			noxious weeds. Protect intermittent stream and wet
136	WL/PP. Alternative is to wait for commercial thin from below ~ 15 years.	Medium	35	meadow. Operations limited to dry season.
				Protect Pacific yew growing on site. Monitor and treat
	Evaluate pre-commercial thin with hand pile or mastication ~ 5 years.			noxious weeds. Protect intermittent stream. Maintain
137	Favor WL/PP. Alternative is to commercial thin from below ~ 15 years.	High	33	boundary fencing. Borders USFS.
				, ,
	Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to			
126A	peregrine nesting sites. Manage for wildlife.	Low	34	Monitor and treat noxious weeds.
138	Evaluate commercial thin from below ~ 15 years Favor WL/PP.	Medium	116	Monitor and treat for noxious weeds.

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
	Evaluate need for pre-commercial thin with hand piles or mastication ~ 5	,		
139	years. Favor WL/PP/DF/ES.	High	24	Monitor and treat for noxious weeds.
140	Evaluate need for pre-commercial thin with hand piles or mastication $^{\sim}$ 5 years. Favor WL/PP/DF/ES. Alternative is wait $^{\sim}$ 15 years for a commercial thin.	High	48	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS.
141	Evaluate need for pre-commercial thin with hand piles or mastication ~ 5 years. Favor WL/PP/DF/ES. Alternative is wait ~ 15 years for a commercial thin	High	41	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS.
142	Evaluate need for pre-commercial thin with hand piles or mastication $^{\sim}$ 5 years. Favor WL/PP/DF/ES. Alternative is wait $^{\sim}$ 15 years for a commercial thin	Medium	17	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS. User trails.
143	Evaluate need for pre-commercial thin with hand piles or mastication $^{\sim}$ 5 years. Favor WL/PP/DF/ES. Alternative is wait $^{\sim}$ 15 years for a commercial thin.	Medium	29	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS. User trails.
144	Evaluate need for pre-commercial thin with hand piles or mastication $^{\sim}$ 5 years. Favor WL/PP/DF/ES. Alternative is wait $^{\sim}$ 15 years for a commercial thin	Medium	42	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS. User trails.

Forest Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations	
145	Some areas of steep slopes and rock outcrops. Treat areas along shared boundary with Forest Service. Understory fuels treatment.	Medium	40	Monitor and treat for noxious weeds. Maintain boundary fence. Borders FS.	
150	Evaluate improvement harvest ~ 15 years. Remove disease and damaged trees and trees with < 40 Crown ratios. Follow with per-commercial thin favor DF/WL/ES.	Low	15	Monitor and treat noxious weeds.	
А	Possible habitat restoration for wildlife.	Medium	7	Monitor and treat for noxious weeds. Maintain boundary fence.	
В	Possible habitat restoration for wildlife	Medium	4	Monitor and treat for noxious weeds. Maintain boundary fence.	

NOTE; For each Stand with planned actions of either a pre-commercial thinning or a commercial harvest refer back to the Forest Stand Characteristics Table and the column headed Desired Density (TPA). The Desired Density (TPA) is a range based on the stands forest type, target species (i.e. ponderosa pine) and average stand diameter. This range is between the suggested lower and upper management zones, (see Ecology and Management of Eastern Oregon Forests, Oregon State University). These suggested stocking levels (TPA), delineate a management zone in which stand densities are presumed to be relatively resistant to insect and disease problems and to preclude serious tree mortality from bark beetles. Stand densities should be maintained below the upper limit of the management zone.

Commented [SG3]:

	<u> </u>			
Forest Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
С	Maintain boundary fence. Protect spring. Treat noxious weeds (cinquefoil, medusa head, ventanata).	Medium	11	Manage for elk and deer winter range.
D	Maintain boundary fence. Protect pond and stream. Treat noxious weeds (cinquefoil, medusa head, ventanata).	Medium	14	Manage for elk and deer winter range
E	Maintain boundary fence. Monitor for noxious weeds.	Medium	69	Manage for elk and deer summer range.
G	Monitor for noxious weeds.	Medium	11	Manage for elk and deer summer range.
Н	Monitor for noxious weeds.	Medium	17	Manage for elk and deer summer range.
I	Monitor for noxious weeds.	High	33	Manage for elk and deer summer range.
J	Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife.			Monitor for noxious weeds.

Suggested Management Actions	Priority	Acres	Other Management Considerations
Suggested Management Actions	Filolity	Acres	Other Management Considerations
			Monitor for noxious weeds
peregrine riesting sites. Ividinage for wilding.			Widnitor for floxious weeds
			Monitor for noxious weeds
peregrine riesting sites. Manage for whulife.			Widnitor for floxious weeks
Monitor for novious weeds	Medium	25	Manage for elk and deer winter range.
World for noxious weeds.	Wicdiani	23	Wanage for cik and deer winter range.
Monitor for novious weeds	Medium	11	Manage for elk and deer winter range.
Monto for noxious weeks.	Wicalani	- 11	manage for circuita acci winter range.
Monitor for noxious weeds.	Medium	13	Manage for elk and deer winter range.
	Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Monitor for noxious weeds. Monitor for noxious weeds.	Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Monitor for noxious weeds. Medium Monitor for noxious weeds. Medium	Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Area has steep slopes, mixed with rock outcrops and cliffs. Adjacent to peregrine nesting sites. Manage for wildlife. Monitor for noxious weeds. Medium 25 Monitor for noxious weeds. Medium 11

Forest Stand Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		·		
R				
S	Maintain as a fuels break. Monitor and treat for noxious weeds	L	38	Protect intermittent stream and riparian area.
т	If grazing resumes, fence this moist meadow with high water table, seeps and springs. Monitor and treat for noxious weeds.	L	8	None
<u>-</u>				

Forest Stand				
Name	Suggested Management Actions	Priority	Acres	Other Management Considerations
		-		
	Evaluate pre-commercial thin and pile `5 years. Completed 8/2025. Burn			General trailhead maintenance. Monitor and treat for
AS-1	piles 2026. Maintain as a safety zone.	High	2	noxious weeds.
	·			
	Contract with tree service to prune trees with PP mistle-toe in lower			Maintain fences. General campground and trailhead
AS-2	crowns. SPC and pile to remove trees < 9" dbh with PP mistle-toe.	High	7	maintenance. Monitor and treat noxious weeds.

MAKING DECISIONS

Monitoring Plan

Landowner and forester should review the MERA Basic Forest Management Plan (BFMP) yearly. Review the MERA's Stated objectives and update if necessary. At this time the BFMP can be updated for completed actions and new actions can be planned. Continue to monitor timber stands before, during, and after treatment to evaluate effectiveness of treatments and adjustment as needed. Stands should be monitored for insect and disease damage. Roads should be monitored for erosion.

Where to get help

[Choose Stewardship Forester, DC & Extension Forester for LO's county – delete others; if LO has specific objectives, include other resources as needed]

Resource Professional/s Who Completed this Plan for You:

Name:David KomlosiName:Role:AdvisorRole:Company:DK Forestry, LLCCompany:Address:906 Penn Ave.Address:

Phone Number: 541-963-0477 Phone Number: Email Address: djkomlosi@gmail.com Email Address:

Oregon Department of Forestry (ODF)

Abby McBeth, Stewardship Forester Oregon Dept. of Forestry – La Grande 611 20th Street La Grande, OR 97850 (541) 963-3168 Abby.D.MCBETH@odf.oregon.gov

Natural Resources Conservation Service (NRCS)

Anna Gordon, District Conservationist La Grande Service Center 1901 Adams Ave, Suite 6 La Grande, OR 97850 541-624-3098 anna.gordon@usda.gov

Oregon State University (OSU) Extension Forester

John Punches Union County Extension 10507 N. McAlister Rd. La Grande, OR 97850 541-963-1010 john.punches@oregonstate.edu

Two helpful resources when thinking about your forestland and your plan for its management:

- Oregon Forest Management Planning Website http://blogs.oregonstate.edu/forestplanning/
- Oregon's Know Your Forest Website https://www.knowyourforest.org/

SIGNATURE PAGE

This plan is a basic forest management plan intended to provide the landowner with information about the state of their forest and specifically qualify them for funding from NRCS (Natural Resources Conservation Service).

Planned actions are voluntary and subject to change. This plan does not limit or reduce any existing rights of the landowner. It does not guarantee that the landowner will receive funding from NRCS or any other agency or group.

PREPARED FOR:	PREPARED BY:
Landowner's Signature Date Print Landowner's Name	Resource Professional's Signature Date Print Resource Professional's Name
	Resource Professional's Signature Date Print Resource Professional's Name
REVIEWED BY:	
Agency Representative Signature Print Agency Representative Name	Agency Name: Acres of Forest Land: County:

Appendix A

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 1 before



Stand 1 after

Stand 2 before



Stand 2 after

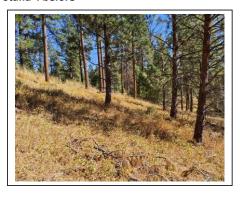
[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 3 before



Stand 3 after

Stand 4 before



Stand 4 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 5 before



Stand 5 after

Stand 6 before



Stand 6 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 6A before



Stand 6A after

Stand 7 before



Stand 7 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 7A before



Stand 7A after

Stand 8 before



Stand 8 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 9 before



Stand 9 after

Stand 10 before



Stand 10 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 11 before



Stand 11 after

Stand 13 before



Stand 13 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 14 before



Stand 14 after

Stand 15 before



Stand 15 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 16 before



Stand 16 after

Stand 17 before



Stand 17 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 18 before



Stand 18 after

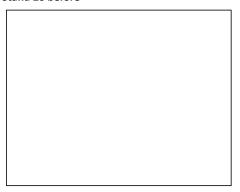
Stand 19 before



Stand 19 after

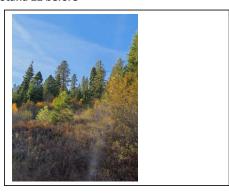
[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 20 before



Stand 3 after

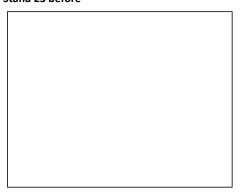
Stand 22 before



Stand 22 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 23 before



Stand 23 after

Stand 24 before



Stand 24 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 25 before



Stand 25 after

Stand 25A before



Stand 25A after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 26 before



Stand 26 after

Stand 28 before



Stand 28 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 29 before



Stand 29 after

Stand 29A before



Stand 29A after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 30 before



Stand 30 after

Stand 30A before



Stand 30A after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 31 before



Stand 31 after

Stand 32 before



Stand 32 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 33 before



Stand 33 after

Stand 34 before



Stand 34 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 42 before



Stand 42 after

Stand 46 before



Stand 46 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 47 before



Stand 47 after

Stand 48 before



Stand 48 after

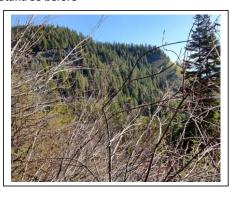
[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 51 before



Stand 51 after

Stand 53 before



Stand 53 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

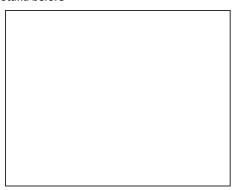
PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 54 before



Stand 54 after

Stand before



Stand after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area A before



Area A after

Area B before



Area B after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area C before



Area C after

Area D before



Area D after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Area E before



Area E after

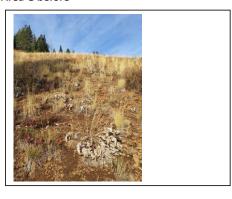
Area F before



Area F after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area G before



Area G after

Area H before



Area H after

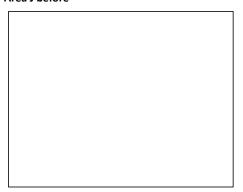
[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area I before



Area I after

Area J before



Area J after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

AREA K before



Area K after

Area L before



Area L after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area M before



Area M after

Area N before



Area N after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area O before



Area O after

Area P before



Area P after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Area Q before



Area Q after

Area R before



Area R after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Area S before



Area S after

Area T before



Area T after

Admin Site AS1 before



Admin Site AS1 after



Admin Site AS2 before



Admin Site AS2 after

Stand 101 before



Stand 101after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 101A before



Stand 101A after

Stand 102 before



Stand 102 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 104 before



Stand 104 after

Stand 105 before



Stand 105 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 106 before



Stand 106 after

Stand 108 before



Stand 108 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 109 before



Stand 109 after

Stand 109A before



Stand 109A after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 110 before



Stand 110 after

Stand 111 before



Stand 111 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 112 before



Stand 112 after

Stand 113 before



Stand 113 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 114 before



Stand 114 after

Stand 115 before



Stand 2 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 116 before



Stand 116 after

Stand 117 before



Stand 117 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 118 before



Stand 118 after

Stand 119 before



Stand 119 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 120 before



Stand 120 after

Stand 121 before



Stand 121 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 121B before



Stand 121B after

Stand 122 before



Stand 122 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 123 before



Stand 123 after

Stand 124 before



Stand 124 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 125 before



Stand 125 after

Stand 126 before



Stand 126 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 127 before



Stand 127 after

Stand 128 before



Stand 128 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 129 before



Stand 129 after

Stand 130 before



Stand 130 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

PHOTOS OF STANDS BEFORE AND AFTER MANAGEMENT ACTIONS

Stand 131 before



Stand 131 after

Stand 133 before



Stand 133 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 134 before



Stand 134 after

Stand 135 before



Stand 135 after

[Insert "After" photo of proposed management action from demonstration site similar to landowner's land or desired conditions from site on LO's property & description of conditions]

Stand 136 before



Stand 1360 after

Stand 137 before



Stand 137 after

Appendix B: Forest Health Notes



PDF

ootRot.pdf











Cytospara Canker.pdf Douglas-Fir Dwarf Mistletoe.pdf Douglas-fir Pole and Douglas-fir-beetle.pd Elytroderma needle FIDL-78-ArmillariaRo otDisease.pdf











FIDL-159-LaminatedR Fir Broom Rust.pdf





Larch Dwarf Mistletoe.pdf

Mountain Pine Beetle.pdf

PDF Pine engraver -ips.pdf





Western Gall Rust.pdf

Western Pine

Appendix C: Range Discussion





MERA Advisory Topic Mera Grazing Livestock Grazing FIN/Options 2-2-2020 (10)

Appendix D: Biodiversity Report

