

TREATMENT REPORT

ECT PILOT 1 (3) FY 2018

1. Sale Area Location: Areas BN A1-A2 are located in portions of Sections 13, 14, 24, and 25, T8N, R7W, W.M. Area N A1 is located in portions of Section 17, T6N, R6W, W.M. Areas WS A1-A2 are located in portions of Sections 26 and 27, T6N, R6W, W.M. All areas are in Clatsop County, Oregon.

2. Fund Distribution: BOF 100%
Tax Code = 8-01 (52%)
1-03 (18%)
4-03 (30%)

3. Sale Acreage by Area:

Area	Treatment	Gross Acres	Existing R/W	Stream Buffer	New R/W	Non-thin Acres	Net Acres	Survey Method
BN A1	ECT*	134	6	13	0	4	111	GIS
BN A2	ECT*	277	13	18	0	13	233	GIS
N A1	ECT*	202	8	26	0	11	157	GIS
WS A1	ECT*	152	8	11	0	6	127	GIS
WS A2	ECT*	108	4	10	0	4	90	GIS
Total		873	39	78	0	38	718	GIS

*Early Commercial Thin

4. Inventory Information: These sale areas are plantations that were predominantly planted with Douglas-fir in the Early 1980's.

	Existing Stand							
	Age	TPA	BA	SDI	SDI %	TopHt	QMD	BdFt
Big Noise Area 1	32	347	219	389	65%	88	10.8	29,585
Big Noise Area 2	42	257	216	364	61%	90	12.4	27,861
Northrup Area 1	33	295	203	355	59%	82	11.2	24,759
West Sager Area 2	32	313	199	353	59%	81	10.8	23,447
West Sager Area 1	33	281	182	323	54%	78	10.9	20,863

6. Silvicultural Prescription: The goal of these treatments is to release crop trees to allow for more growing space while harvesting and removing trees that will succumb to competition mortality. Crown closure and crown height are the primary indicators of tree spacing that will be used to dictate the number of trees that will be left post treatment by allowing for each leave tree to have a minimum of two sides of the crown free to fill the gaps created by removing take trees. In addition, approximately 180 to 200 trees per acre will be retained to prepare the stands for their second commercial thinning in 10 to 20 years. Preference for leave trees will be to select for the largest highest quality trees with the most crown and to provide for the most even spacing possible.

7. Timber Description: The sale areas are "auto-mark" thinning units, approximately 32 to 42 years old, consisting of mostly Douglas-fir dominated plantations with small isolated clumps of hardwoods. These stands will be harvested to an SDI of 35-40, removing approximately 128 to 174 trees per acre, 32ft² to 69ft² of basal area/acre, and 6 MBF/Acre to 9 MBF/Acre or 45 to 68 tons/acre.

Volumes by Species and Grade for All Sale Areas. (MBF) Volumes do not include "in-growth."

SAWLOGS					
Species	Top Diameter	Net Vol. 3S-4S MBF	Tons	D & B	% Sale
Douglas-fir	5"+	3,502	26,265	3%	86
Hemlock	5"+	93	744	3%	2
Alder	5"+	568	4,544	3%	12
TOTALS		4,163	31,553		

PULP LOGS				
Species	Top Diameter	Dead standing Tons	Tops & Utility Tons	Totals
Douglas-fir	2"+	3,749	2,627	6,376
Hemlock	2"+	0	74	74
Alder	2"+	208	454	662
TOTALS		3,957	3,155	<u>7,112</u>

8. Approvals:

Prepared by: John Tillotson

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