



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Cost Summary John Day/Walluski Salvage Sale 341-07-86

District: Astoria

Date: 4/5/07

	Conifer	Hardwood	Total
<b>Gross Timber Sale Value</b>	\$188,240.85	\$0.00	\$188,240.85
		<b>Project Work</b>	\$0.00
		<b>Advertised Value</b>	\$188,240.85



# Timber Sale Appraisal Timber Description John Day/Walluski Salvage Sale 341-07-86

"STEWARDSHIP IN FORESTRY"

**District:** Astoria

**Location:** Portions of Sections 13, 24, 27, 33, and 34, T8N, R9W, and portions of Section 3, T7N, R9W, W.M., Clatsop County, Oregon.

**Date:** 4/5/07

**Stand Stocking:** 60%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	28	0	95
Western Hemlock / Fir	27	0	94
Sitka Spruce	54	0	90

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Sitka Spruce	Total
SM	0	51	0	51
2S	39	1,159	107	1,305
3S	4	83	4	91
4S	0	11	0	11
<b>Total</b>	43	1,304	111	1,458

**Comments:** Pond Values Used: 1st Quarter Calendar Year 2007.

Expected Log Markets: Tillamook and Longview, WA

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost

\$900/MBF = \$1,150/MBF - \$250/MBF

Red Alder Stumpage Price = Pond Value minus Logging Cost

\$440/MBF = \$690/MBF - \$250/MBF

#### HAULING

Hauling costs adjusted to make equivalent to \$700 daily truck cost.

\$700 - % Profit & Risk ( $\$700 / 1.20$ ) = \$583 Daily Truck Cost.

Hauling Cost Calculation Douglas-fir:

\$583 Daily Truck Cost / (3 trips per day x 4.0 MBF per load) = \$48.58/MBF Hauling Cost.

Hauling Cost Calculation Western Hemlock:

\$583 Daily Truck Cost / (2 trips per day x 4.0 MBF per load) = \$72.88/MBF Hauling Cost.

Hauling Cost Calculation Sitka Spruce:

\$583 Daily Truck Cost / (3 trips per day x 5.0 MBF per load) = \$38.87/MBF Hauling Cost.

Other Costs (Profit & Risk to be added):

Additional Logging Costs:

Felling and Bucking      \$10/MBF X 1,458 MBF = \$14,580

Branding and Painting      \$1/MBF X 1,458 MBF = \$1,458

TOTAL Other Costs (P&R to be added) = \$16,038

Other Costs (No Profit and Risk):

Slash Piling with log loader:

26 acres X 1 acre/hr X \$87.50/hour = \$2,275

TOTAL Other Costs (No P&R) = \$2,275



# Timber Sale Appraisal

## Logging Conditions

### John Day/Walluski Salvage

### Sale 341-07-86

"STEWARDSHIP IN FORESTRY"

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<b>Combination#: 1</b>	Douglas - Fir	43.00%	
	Western Hemlock / Fir	43.00%	
	Sitka Spruce	43.00%	
<b>Yarding Distance:</b>	Medium (800 ft)		<b>Downhill Yarding:</b> Yes
<b>Logging System:</b>	Track Skidder		<b>Process:</b> Manual Falling/Delimiting
<b>Tree Size:</b>	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
<b>Loads/Day:</b>	7		<b>Bd. Ft./Load:</b> 4,000
<b>Cost/MBF:</b>	\$116.62		
<b>Machines:</b>			
	Log Loader (B)		
	Track Skidder		
<b>Combination#: 2</b>	Douglas - Fir	57.00%	
	Western Hemlock / Fir	57.00%	
	Sitka Spruce	57.00%	
<b>Yarding Distance:</b>	Medium (800 ft)		<b>Downhill Yarding:</b> Yes
<b>Logging System:</b>	Track Skidder		<b>Process:</b> Manual Falling/Delimiting
<b>Tree Size:</b>	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
<b>Loads/Day:</b>	5		<b>Bd. Ft./Load:</b> 4,000
<b>Cost/MBF:</b>	\$163.27		
<b>Machines:</b>			
	Log Loader (B)		
	Track Skidder		



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal

## Logging Costs

### John Day/Walluski Salvage

### Sale 341-07-86

Date: 4/5/07

Operating Seasons: 1.0

Profit & Risk: 20%

Project Costs: \$0

Other Costs (P/R): \$16,038

Slash Disposal: \$0

Other Costs: \$2,275

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Road Maintenance: \$5.08

#### Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$48.58	3.0	4.0
Western Hemlock / Fir	\$72.88	2.0	4.0
Sitka Spruce	\$38.87	3.0	5.0



# Timber Sale Appraisal Logging Costs Breakdown John Day/Walluski Salvage Sale 341-07-86

"STEWARDSHIP IN FORESTRY"

Costs	Douglas - Fir	Western Hemlock / Fir	Sitka Spruce
<b>Logging</b>	143.21	143.21	143.21
<b>Road Maintenance</b>	5.35	5.40	5.64
<b>Fire Protection</b>	1.86	1.86	1.86
<b>Hauling</b>	51.14	77.53	43.19
<b>Other (P/R appl.)</b>	11.00	11.00	11.00
<b>Profit &amp; Risk</b>	42.51	47.80	40.98
<b>Slash Disposal</b>	0.00	0.00	0.00
<b>Scaling</b>	2.00	2.00	2.00
<b>Other</b>	1.56	1.56	1.56
<b>Total</b>	258.63	290.36	249.44

<b>Amortization</b>	0.00	0.00	0.00
<b>Pond Value</b>	606.28	408.78	419.46
<b>Stumpage</b>	347.65	118.42	170.02
<b>Amortized</b>	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Summary

## John Day/Walluski Salvage Sale 341-07-86

**Amortized**

	Douglas - Fir	Western Hemlock / Fir	Sitka Spruce
MBF	0.00	0.00	0.00
Value	0.00	0.00	0.00
Total	0.00	0.00	0.00

**Unamortized**

	Douglas - Fir	Western Hemlock / Fir	Sitka Spruce
MBF	43.00	1,304.00	111.00
Value	347.65	118.42	170.02
Total	14,948.95	154,419.68	18,872.22

### Gross Timber Sale Value

**Recovery \$188,240.85**

Prepared by: Dan Goody

Date: 4/5/07

District: Astoria

Phone: (503) 325-5451

**Road Maintenance Cost Summary (Interim and Post Harvest)**

**Sale:** John Day/Walluski Salvage  
**Date:** March 2, 2007  
**By:** Dan Goody

**MBF:** 1,458  
**\$/MBF:** \$5.08

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost
Final Road Maintenance Haul Route Processing	Grader 14G	\$570	1	12	\$84	\$1,578
	Dump Truck 12CY	\$119	1	10	\$59	\$709
Final Road Maintenance w/compaction	Grader 14G	\$570	1	7	\$84	\$1,158
	Dump Truck 12CY (2 @ \$119)	\$119	1	10	\$59	\$709
	FE Loader C966	\$570	1	10	\$79	\$1,360
	Vibratory Roller	\$570	1	7	\$79	\$1,123
	Water Truck 2,500 gallon Labor	\$139	1	7	\$70	\$629
				8	\$18	\$144
<b>Total</b>						<b>\$7,410</b>

**Final Road Maintenance - without compaction**

Production/Rates	Miles/day	Distance(miles)	Days	Hours
Grader	2.5	3.0	1.2	12.0

**Final Road Maintenance - with compaction**

Production/Rates	Miles/day	Distance(miles)	Days	Hours
Grader	1.5	1.0	0.7	6.7
Vibratory Roller	1.5	1.0	0.7	6.7

Final Road maintenance with process and compaction required from Point 11 to 1B on John Day Point area.







**Species, Sort Grade - Board Foot Volumes (Project)**

T08N R09W S13 TyJD1A	26.00
T08N R09W S13 TyJD01	48.00
T08N R09W S13 TyWA01	154.00

**Project: JDWSALV**  
**Acres 228.00**

**Page 1**  
**Date 3/1/2007**  
**Time 3:32:31PM**

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre		
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf			
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
H		DOCU			100.0	1,583											13		0.00	7.7		
H		DO2S	88	81.6	27,953	5,155	1,175		0	35	65		3	60	37	34	75	2.48	68.3			
H		DO3S	7	81.9	2,036	368	84			100			3	29	52	16	31	14	0.90	26.6		
H		DO4S	1	81.1	266	50	11		7	93			52	48		19	6	0.64	7.9			
H		DOSM	4	81.2	1,218	229	52				100				100	34	117	2.93	1.9			
<b>H Totals</b>				89	82.4	33,055	5,802	1,323	0	7	31	61	1	5	61	34	31	52	1.96	112.4		
S		DOCU		100.0	231												6		0.00	.4		
S		DO2S	96	81.8	2,604	475	108			0	100		0	13	23	64	34	288	8.86	1.6		
S		DO3S	4	82.6	98	17	4			100			15	44	42		25	39	3.00	.4		
<b>S Totals</b>				8	83.2	2,932	492	112			4	96	1	14	24	61	28	198	7.63	2.5		
D		DO2S	90	81.1	909	172	39				37	63			37	63	35	84	2.68	2.1		
D		DO3S	10	81.1	95	18	4			100					100		33	18	0.91	1.0		
<b>D Totals</b>				3	81.1	1,004	190	43			9	33	57			43	57	34	62	2.11	3.1	
<b>Totals</b>					82.5	36,991	6,484	1,478			0	7	29	64	1	5	57	37	31	55	2.08	118.0

T08N R09W S13 TJD01 T08N R09W S13 TJD01  
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt  
 08N 09W 13 JDSALV SALVA JD01 48.00 18 71 1 W

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
H		DO	CU		00.0	1,583										13		0.00	7.7	
H		DO	2S	88	80.5	27,953	5,442	261	0	35	65		3	60	37	34	80	2.48	68.3	
H		DO	3S	7	80.9	2,036	388	19	100			3	29	52	16	31	15	0.90	26.6	
H		DO	4S	1	80.0	266	53	3	7	93		52	48			19	7	0.64	7.9	
H		DO	SM	4	80.2	1,218	241	12			100			100		34	124	2.93	1.9	
<b>H</b>	<b>Totals</b>			89	81.5	33,055	6,124	294	0	7	31	61	1	5	61	34	31	54	1.96	112.4
S		DO	CU		00.0	231										6		0.00	.4	
S		DO	2S	96	80.7	2,604	501	24		0	100	0	13	23	64	34	304	8.86	1.6	
S		DO	3S	4	81.6	98	18	1		100		15	44	42		25	41	3.00	.4	
<b>S</b>	<b>Totals</b>			8	82.3	2,932	519	25			4	96	1	14	24	61	28	209	7.63	2.5
D		DO	2S	90	80.0	909	182	9			37	63			37	63	35	89	2.68	2.1
D		DO	3S	10	80.0	95	19	1	100						100		33	19	0.91	1.0
<b>D</b>	<b>Totals</b>			3	80.0	1,004	201	10		9	33	57			43	57	34	65	2.11	3.1
<b>Type Totals</b>					81.5	36,991	6,844	329	0	7	29	64	1	5	57	37	31	58	2.08	118.0

Species, Sort Grade - Board Foot Volumes (Type)

Project: JDWSALV

Date 3/1/2007

Time 3:31:56PM

T08N R09W S13 TJD1A

T08N R09W S13 TJD1A

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
08N	09W	13	JDSALV PATCH	JD1A	26.00	18	71	1	W

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf		
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
H		DO	CU		100.0	1,583											13		0.00	7.7	
H		DO	2S	88	31.9	27,953	19,046	495		0	35	65		3	60	37	34	279	2.48	68.3	
H		DO	3S	7	33.3	2,036	1,359	35		100				3	29	52	31	51	0.90	26.6	
H		DO	4S	1	30.0	266	186	5		7	93			52	48		19	24	0.64	7.9	
H		DO	SM	4	30.7	1,218	844	22				100			100		34	434	2.93	1.9	
<b>H</b>	<b>Totals</b>			89	35.2	33,055	21,436	557		0	7	31	61	1	5	61	34	31	191	1.96	112.4
S		DO	CU		100.0	231											6		0.00	.4	
S		DO	2S	96	32.6	2,604	1,755	46			0	100		0	13	23	34	1064	8.86	1.6	
S		DO	3S	4	35.6	98	63	2			100			15	44	42	25	145	3.00	.4	
<b>S</b>	<b>Totals</b>			8	38.0	2,932	1,817	47			4	96		1	14	24	61	28	731	7.63	2.5
D		DO	2S	90	30.0	909	636	17			37	63			37	63	35	310	2.68	2.1	
D		DO	3S	10	30.0	95	67	2			100				100		33	65	0.91	1.0	
<b>D</b>	<b>Totals</b>			3	30.0	1,004	703	18			9	33	57		43	57	34	228	2.11	3.1	
<b>Type Totals</b>					35.2	36,991	23,956	623		0	7	29	64	1	5	57	37	31	203	2.08	118.0

<b>T08N R09W S13 TWA01</b>										<b>T08N R09W S13 TWA01</b>		
<b>Twp</b>	<b>Rge</b>	<b>Sec</b>	<b>Tract</b>	<b>Type</b>	<b>Acres</b>	<b>Plots</b>	<b>Sample Trees</b>	<b>CuFt</b>	<b>BdFt</b>			
<b>08N</b>	<b>09W</b>	<b>13</b>	<b>WA SALVAGE</b>	<b>WA01</b>	<b>154.00</b>	<b>18</b>	<b>71</b>	<b>1</b>	<b>W</b>			

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99				
H		DO	CU		100.0	1,583											13		0.00	7.7
H		DO	2S	88	90.3	27,953	2,721	419		0	35	65		3	60	37	34	40	2.48	68.3
H		DO	3S	7	90.5	2,036	194	30		100				3	29	52	31	7	0.90	26.6
H		DO	4S	1	90.0	266	27	4		7	93			52	48		19	3	0.64	7.9
H		DO	SM	4	90.1	1,218	121	19				100			100		34	62	2.93	1.9
<b>H</b>	<b>Totals</b>			<b>89</b>	<b>90.7</b>	<b>33,055</b>	<b>3,062</b>	<b>472</b>	<b>0</b>	<b>7</b>	<b>31</b>	<b>61</b>	<b>1</b>	<b>5</b>	<b>61</b>	<b>34</b>	<b>31</b>	<b>27</b>	<b>1.96</b>	<b>112.4</b>
S		DO	CU		100.0	231											6		0.00	.4
S		DO	2S	96	90.4	2,604	251	39		0	100			0	13	23	34	152	8.86	1.6
S		DO	3S	4	90.8	98	9	1		100				15	44	42	25	21	3.00	.4
<b>S</b>	<b>Totals</b>			<b>8</b>	<b>91.1</b>	<b>2,932</b>	<b>260</b>	<b>40</b>			<b>4</b>	<b>96</b>	<b>1</b>	<b>14</b>	<b>24</b>	<b>61</b>	<b>28</b>	<b>104</b>	<b>7.63</b>	<b>2.5</b>
D		DO	2S	90	90.0	909	91	14			37	63			37	63	35	44	2.68	2.1
D		DO	3S	10	90.0	95	10	1		100					100		33	9	0.91	1.0
<b>D</b>	<b>Totals</b>			<b>3</b>	<b>90.0</b>	<b>1,004</b>	<b>100</b>	<b>15</b>		<b>9</b>	<b>33</b>	<b>57</b>			<b>43</b>	<b>57</b>	<b>34</b>	<b>33</b>	<b>2.11</b>	<b>3.1</b>
<b>Type Totals</b>					<b>90.7</b>	<b>36,991</b>	<b>3,422</b>	<b>527</b>	<b>0</b>	<b>7</b>	<b>29</b>	<b>64</b>	<b>1</b>	<b>5</b>	<b>57</b>	<b>37</b>	<b>31</b>	<b>29</b>	<b>2.08</b>	<b>118.0</b>

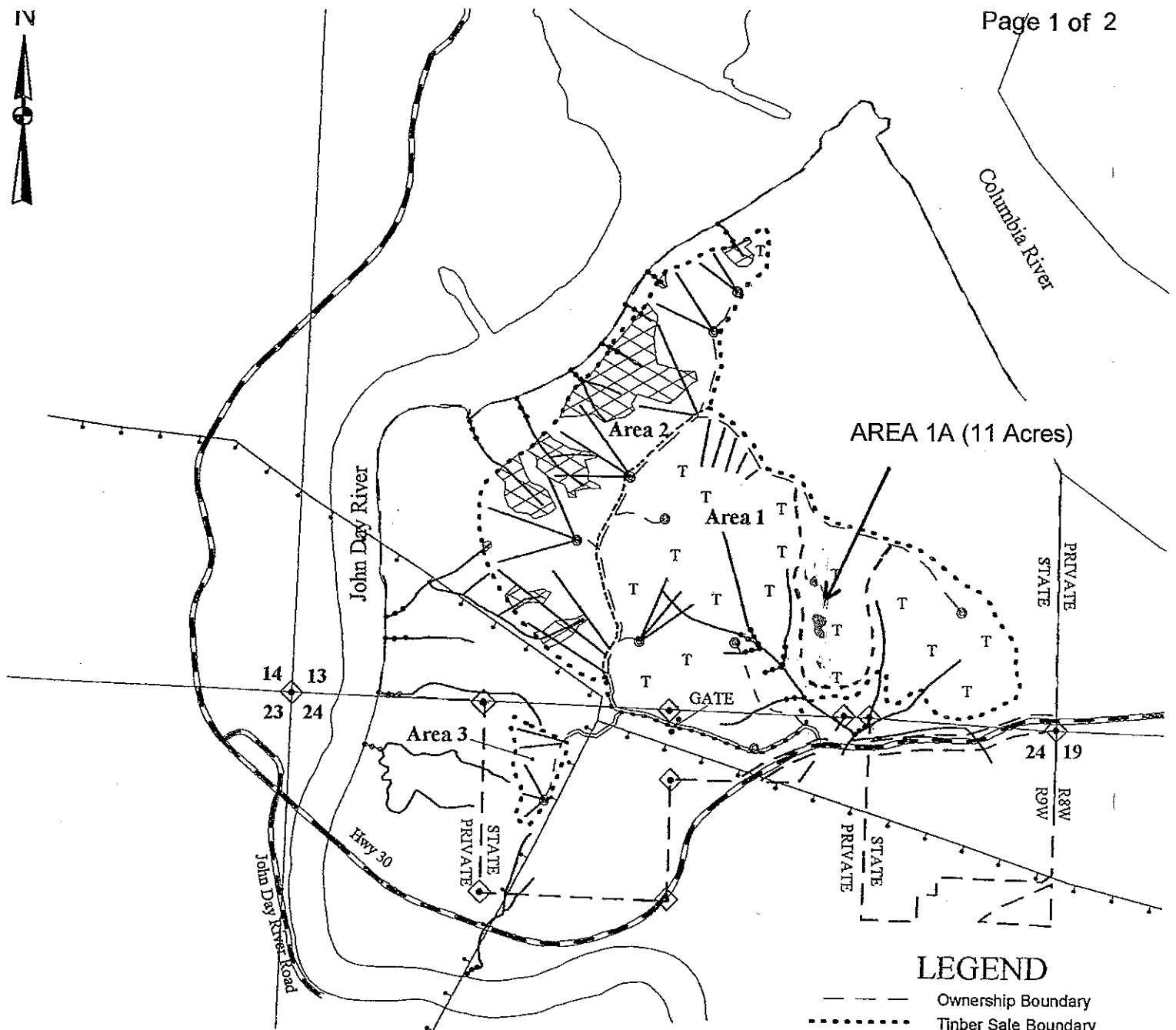
TC TSTATS				STATISTICS				PAGE 1		
				PROJECT JDWSALV		DATE 3/1/2007				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	09W	13	JDSALV SALVA	JD01	48.00	18	71	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL	18	71	3.9							
CRUISE	18	71	3.9	1,832	3.9					
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
<b>STAND SUMMARY</b>										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
WHEMLOCK	64	36.5	26.7	98		142.2	33,055	6,124	7,142	6,806
S SPRUCE	5	.7	54.2	103		11.1	2,932	519	563	529
DOUG FIR	2	1.0	28.2	106		4.4	1,004	201	223	223
<b>TOTAL</b>	<b>71</b>	<b>38.2</b>	<b>27.5</b>	<b>98</b>		<b>157.8</b>	<b>36,991</b>	<b>6,844</b>	<b>7,929</b>	<b>7,558</b>
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	36.4	8.8	33	36	40					
S SPRUCE	265.2	64.3	0	1	1					
DOUG FIR	424.3	102.8		1	2					
<b>TOTAL</b>	<b>30.7</b>	<b>7.4</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>40</b>	<b>10</b>	<b>4</b>		
CL: 68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	33.7	8.2	131	142	154					
S SPRUCE	270.7	65.6	4	11	18					
DOUG FIR	424.3	102.8		4	9					
<b>TOTAL</b>	<b>13.7</b>	<b>3.3</b>	<b>153</b>	<b>158</b>	<b>163</b>	<b>8</b>	<b>2</b>	<b>1</b>		
CL: 68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	38.8	9.4	5,549	6,124	6,700					
S SPRUCE	282.0	68.3	164	519	874					
DOUG FIR	424.3	102.8		201	407					
<b>TOTAL</b>	<b>19.8</b>	<b>4.8</b>	<b>6,516</b>	<b>6,844</b>	<b>7,173</b>	<b>17</b>	<b>4</b>	<b>2</b>		

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT JDWSALV		DATE 3/1/2007				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	09W	13	JDSALV PATCH	JD1A	26.00	18	71	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
				PLOTS	TREES	TREES	TREES			
TOTAL		18	71	3.9						
CRUISE		18	71	3.9	992		7.2			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
WHEMLOCK	64	36.5	26.7	98		142.2	33,055	21,436	7,142	6,806
S SPRUCE	5	.7	54.2	103		11.1	2,932	1,817	563	529
DOUG FIR	2	1.0	28.2	106		4.4	1,004	703	223	223
<b>TOTAL</b>	<b>71</b>	<b>38.2</b>	<b>27.5</b>	<b>98</b>		<b>157.8</b>	<b>36,991</b>	<b>23,956</b>	<b>7,929</b>	<b>7,558</b>
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	36.4	8.8	33	36	40					
S SPRUCE	265.2	64.3	0	1	1					
DOUG FIR	424.3	102.8		1	2					
<b>TOTAL</b>	<b>30.7</b>	<b>7.4</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>40</b>	<b>10</b>	<b>4</b>		
CL: 68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	33.7	8.2	131	142	154					
S SPRUCE	270.7	65.6	4	11	18					
DOUG FIR	424.3	102.8		4	9					
<b>TOTAL</b>	<b>13.7</b>	<b>3.3</b>	<b>153</b>	<b>158</b>	<b>163</b>	<b>8</b>	<b>2</b>	<b>1</b>		
CL: 68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	38.8	9.4	19,421	21,436	23,450					
S SPRUCE	282.0	68.3	575	1,817	3,059					
DOUG FIR	424.3	102.8		703	1,425					
<b>TOTAL</b>	<b>19.8</b>	<b>4.8</b>	<b>22,804</b>	<b>23,956</b>	<b>25,107</b>	<b>17</b>	<b>4</b>	<b>2</b>		



TC TSTATS		STATISTICS							PAGE 1	
		PROJECT JDWSALV		DATE 3/1/2007						
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	09W	13	WA SALVAGE	WA01	154.00	18	71	1	W	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		18	71	3.9						
CRUISE		18	71	3.9	5,879	1.2				
DBH COUNT										
REFOREST COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
WHEMLOCK	64	36.5	26.7	98		142.2	33,055	3,062	7,142	6,806
S SPRUCE	5	.7	54.2	103		11.1	2,932	260	563	529
DOUG FIR	2	1.0	28.2	106		4.4	1,004	100	223	223
<b>TOTAL</b>	<b>71</b>	<b>38.2</b>	<b>27.5</b>	<b>98</b>		<b>157.8</b>	<b>36,991</b>	<b>3,422</b>	<b>7,929</b>	<b>7,558</b>
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	36.4	8.8	33	36	40					
S SPRUCE	265.2	64.3	0	1	1					
DOUG FIR	424.3	102.8		1	2					
<b>TOTAL</b>	<b>30.7</b>	<b>7.4</b>	<b>35</b>	<b>38</b>	<b>41</b>	<b>40</b>	<b>10</b>	<b>4</b>		
CL: 68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	33.7	8.2	131	142	154					
S SPRUCE	270.7	65.6	4	11	18					
DOUG FIR	424.3	102.8		4	9					
<b>TOTAL</b>	<b>13.7</b>	<b>3.3</b>	<b>153</b>	<b>158</b>	<b>163</b>	<b>8</b>	<b>2</b>	<b>1</b>		
CL: 68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK	38.8	9.4	2,774	3,062	3,350					
S SPRUCE	282.0	68.3	82	260	437					
DOUG FIR	424.3	102.8		100	204					
<b>TOTAL</b>	<b>19.8</b>	<b>4.8</b>	<b>3,258</b>	<b>3,422</b>	<b>3,587</b>	<b>17</b>	<b>4</b>	<b>2</b>		

N



**LEGEND**

- Ownership Boundary
- ..... Timber Sale Boundary
- - - - - Right of Way Boundary
- Area Boundary
- ~ Type N Stream
- ~ Type F Stream
- ◆ Known Survey Corner
- == Existing Surface Road
- == Paved Road
- - - - - New Construction.
- Landing to be Constructed
- Overhead Utilities
- T T T Ground Based Logging
- Cable Logging

**LOGGING PLAN**

OF TIMBER SALE CONTRACT NO.  
 JOHN DAY POINT THINNING  
 PORTIONS OF SECTIONS 13, 23, 24  
 T8N, R9W, W.M.  
 CLATSOP COUNTY, OREGON

APPROX. SCALE 1"=1,000'

0' 500' 1000' 1500' 2000'



**APPROXIMATE NET ACREAGE**

Area 1	74 Acres (PC)
Area 2	35 Acres (PC)
Area 3	3 Acres (PC)
Area 4	4 Acres (In Sale R/W)

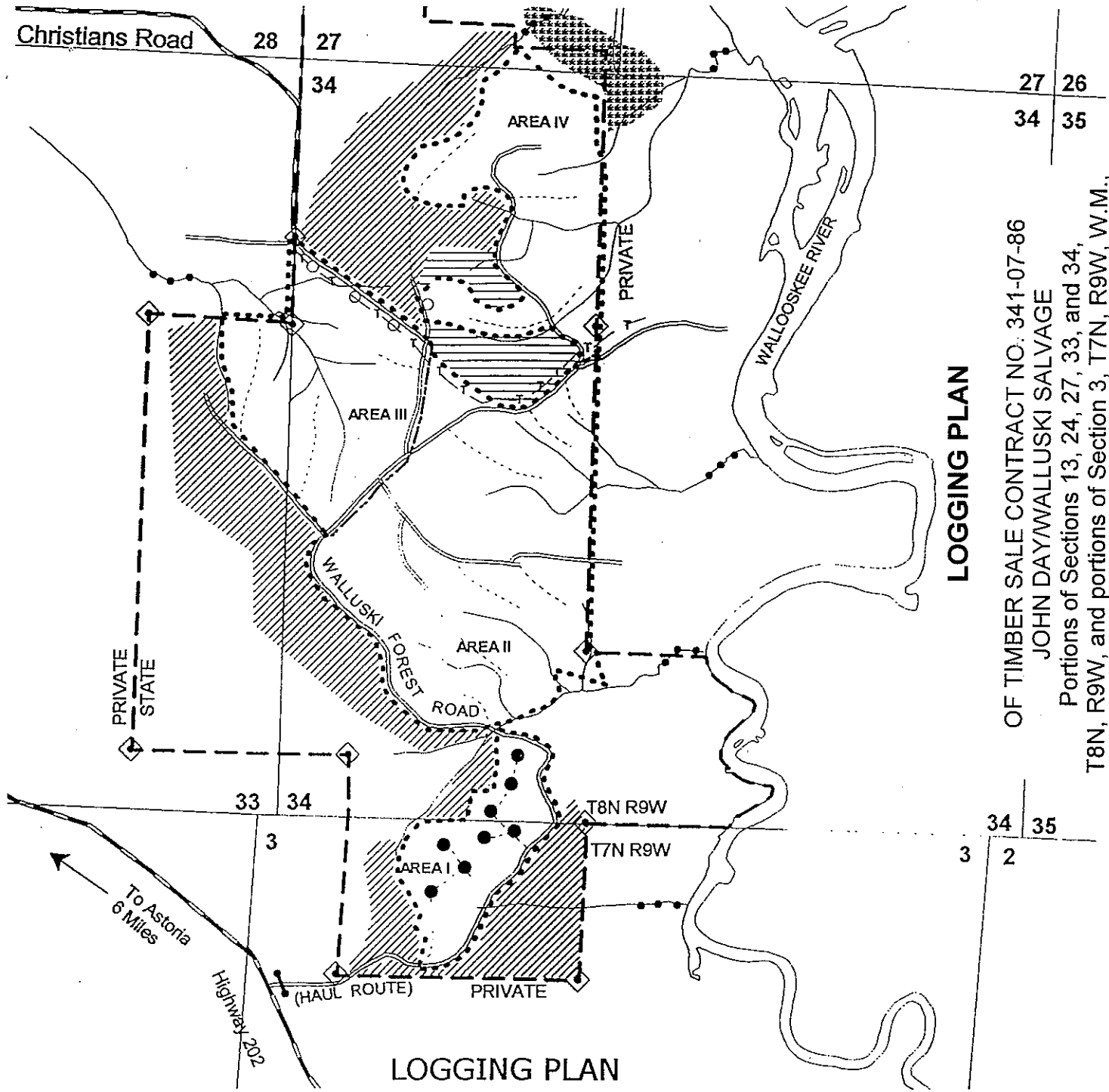
Approximate Total Net Acres = 116 Acres

**HARVEST METHOD**

Area	Tractor	Cable
1	88%	12%
2	6%	94%
3	0%	100%

**LOGGING PLAN**

OF TIMBER SALE CONTRACT NO. 341-07-86  
 JOHN DAY/WALLUSKI SALVAGE  
 Portions of Sections 13, 24, 27, 33, and 34,  
 T8N, R9W, and portions of Section 3, T7N, R9W, W.M.,  
 Clatsop County, Oregon



**LOGGING PLAN**

OF TIMBER SALE CONTRACT NO: 341-07-86  
 JOHN DAY/WALLUSKI SALVAGE  
 Portions of Sections 13, 24, 27, 33, and 34,  
 T8N, R9W, and portions of Section 3, T7N, R9W, W.M.,  
 Clatsop County, Oregon

**LOGGING PLAN**

OF TIMBER SALE CONTRACT NO. 341-07-86  
 WALLUSKI STAND IMPROVEMENT  
 PORTIONS OF SECTION 27, 33 AND 34, T8N, R9W,  
 AND SECTION 3, T7N, R9W, W.M.  
 CLATSOP COUNTY, OREGON

APPROXIMATE ACREAGE:

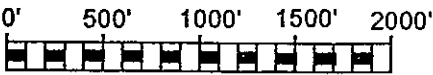
AREA I	- 8.0 ACRES
AREA II	- 75.0 ACRES
AREA III	- 33.7 ACRES
AREA IV	- 38.7 ACRES
AREA V R/W	- 0.8 ACRES
<b>TOTAL</b>	<b>- 156.2 ACRES</b>

All Areas can be tractor harvested.

**LEGEND**

- ..... TIMBER SALE BOUNDARY
- Area Boundary
- Existing Skid Trails
- ////// Reforestation Area
- Landing
- - - - - Property line
- 1/4 Acre Patch Cut
- ◊ Known Land Survey Corner
- ~ Type F Stream
- ~ Type N Stream
- ==== Reserve Area
- Gate
- T-T-T- Transmission Line(Underground)
- ||||| Wetland
- ==== Gravel Road
- ==== Paved Road
- - - - - Gravel Road (Const. Required)

APPROX. SCALE 1"=1,000'



To Astoria  
6 Miles

Highway 202