



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Cost Summary Anomalous Sale 341-07-27

District: Klamath/Lake

Date: 7/6/06

	Conifer	Hardwood	Total
<b>Gross Timber Sale Value</b>	\$288,807.14	\$0.00	\$288,807.14
		<b>Project Work</b>	(\$8,455.00)
		<b>Advertised Value</b>	\$280,352.14



# Timber Sale Appraisal Timber Description Anomalous Sale 341-07-27

"STEWARDSHIP IN FORESTRY"

**District:** Klamath/Lake

**Location:** Portions of Sections 31 & 32, T32S, R7E, W.M., Klamath County, Oregon.

**Date:** 7/6/06

**Stand Stocking:** 40%

Species	Avg. DBH	Amortized%	Recovery%
White Fir	14	0	97
Sugar Pine	12	0	97
Ponderosa Pine	11	0	97
Lodgepole Pine	14	0	97

Volume by Grade	White Fir	Sugar Pine	Ponderosa Pine	Lodgepole Pine	Total
Camprun	0	0	0	11	11
CR 6" - 8"	365	5	12	0	382
CR 8" - 14"	689	0	0	0	689
CR 14" - 22"	337	6	0	0	343
CR 22"+	27	0	0	0	27
<b>Total</b>	<b>1,418</b>	<b>11</b>	<b>12</b>	<b>11</b>	<b>1,452</b>

**Comments:** Pond Values Used: 2nd Quarter Calendar Year 2006.

Other Costs (with Profit & Risk to be added):

Dust abatement: \$16,808

Brand & paint: \$1,480

TOTAL Other Costs (with P&R) = \$18,288

Other Costs (No P&R):

US Forest Service road use fee: \$184

TOTAL Other Costs (No P&R) = \$184

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

Hauling Cost Calculation:

$\$700 - \% \text{ Profit \& Risk } (\$700 / 1.12) = \$625 \text{ Daily Truck Cost.}$

$\$625 \text{ Daily Truck Cost} / (2 \text{ trips per day} \times 4 \text{ mbf per load}) = \$78.13/\text{MBF Gross Hauling Cost.}$

$\$78.13/\text{MBF Gross Hauling Cost} - \text{Recovery Percentage Adjustment}$

$(\$78.13 - \$2.34 [3\%]) = \$75.79/\text{MBF Net Hauling Cost.}$



# Timber Sale Appraisal Logging Conditions Anomalous Sale 341-07-27

"STEWARDSHIP IN FORESTRY"

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<b>Combination#: 1</b>	White Fir	55.00%	
	Sugar Pine	100.00%	
	Ponderosa Pine	100.00%	
	Lodgepole Pine	100.00%	
<b>Yarding Distance:</b>	Short (400 ft)		<b>Downhill Yarding:</b> Yes
<b>Logging System:</b>	Track Skidder		<b>Process:</b> Feller Buncher
<b>Tree Size:</b>	Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF		
<b>Loads/Day:</b>	10		<b>Bd. Ft./Load:</b> 4,000
<b>Cost/MBF:</b>	\$87.97		
<b>Machines:</b>	Feller Buncher w/ Delimber Log Loader (B) Stroke Delimber (B) Track Skidder		
<b>Combination#: 2</b>	White Fir	45.00%	
<b>Yarding Distance:</b>	Short (400 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>	10		<b>Bd. Ft./Load:</b> 4,200
<b>Cost/MBF:</b>	\$77.75		
<b>Machines:</b>	Log Loader (B) Track Skidder		



# Timber Sale Appraisal Logging Costs Anomalous Sale 341-07-27

"STEWARDSHIP IN FORESTRY"

Date: 7/6/06

Operating Seasons: 1.0

Profit & Risk: 12%

Project Costs: \$8,455

Other Costs (P/R): \$18,288

Slash Disposal: \$0

Other Costs: \$184

Road Maintenance: \$0.99

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

### Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
White Fir	\$75.79	2.0	4.0
Sugar Pine	\$75.79	2.0	3.5
Ponderosa Pine	\$75.79	2.0	3.5
Lodgepole Pine	\$75.79	2.0	3.7

**Local Pond Values**

<b>Date</b>	<b>Species</b>	<b>Grade</b>	<b>Value</b>
7/6/06	White Fir	CR 6" - 8"	\$400.00
7/6/06	White Fir	CR 8" - 14"	\$400.00
7/6/06	White Fir	CR 14" - 22"	\$400.00
7/6/06	White Fir	CR 22"+	\$400.00
7/6/06	Sugar Pine	CR 6" - 8"	\$360.00
7/6/06	Sugar Pine	CR 14" - 22"	\$500.00
7/6/06	Ponderosa Pine	CR 6" - 8"	\$315.00
7/6/06	Lodgepole Pine	Camprun	\$375.00



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Logging Costs Breakdown Anomalous Sale 341-07-27

<b>Costs</b>	<b>White Fir</b>	<b>Sugar Pine</b>	<b>Ponderosa Pine</b>	<b>Lodgepole Pine</b>
<b>Logging</b>	83.37	87.97	87.97	87.97
<b>Road Maintenance</b>	1.02	1.02	1.02	1.02
<b>Fire Protection</b>	1.87	1.87	1.87	1.87
<b>Hauling</b>	78.13	78.13	78.13	78.13
<b>Other (P/R appl.)</b>	12.60	12.60	12.60	12.60
<b>Profit &amp; Risk</b>	21.24	21.79	21.79	21.79
<b>Slash Disposal</b>	0.00	0.00	0.00	0.00
<b>Scaling</b>	2.00	2.00	2.00	2.00
<b>Other</b>	0.13	0.13	0.13	0.13
<b>Total</b>	200.36	205.51	205.51	205.51

<b>Amortization</b>	0.00	0.00	0.00	0.00
<b>Pond Value</b>	400.00	436.36	315.00	375.00
<b>Stumpage</b>	199.64	230.85	109.49	169.49
<b>Amortized</b>	0.00	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Summary Anomalous Sale 341-07-27

**Amortized**

	White Fir	Sugar Pine	Ponderosa Pine	Lodgepole Pine
<b>MBF</b>	0.00	0.00	0.00	0.00
<b>Value</b>	0.00	0.00	0.00	0.00
<b>Total</b>	0.00	0.00	0.00	0.00

**Unamortized**

	White Fir	Sugar Pine	Ponderosa Pine	Lodgepole Pine
<b>MBF</b>	1,418.00	11.00	12.00	11.00
<b>Value</b>	199.64	230.85	109.49	169.49
<b>Total</b>	283,089.52	2,539.35	1,313.88	1,864.39

### Gross Timber Sale Value

**Recovery \$288,807.14**

Prepared by: Edmund Scheick

Date: 7/6/06

District: Klamath/Lake

Phone: (541) 883-5681



**Anomalous  
341-07-27**

Summary of Project Work

<b>Project #1:</b> Road Construction & Improvement	\$2,155.00
<b>Project #2:</b> Fell, Skid, & Pile Submerchantable	\$5,800.00
<b>Project #3:</b> Road Closures	\$500.00
<b>TOTAL</b>	<b>\$8,455.00</b>

# Anomalous

## 341-07-27

### Additional Costs Sheet



"STEWARDSHIP IN FORESTRY"

#### Road Maintenance

Move-in cost (grader):	\$	300.00	
Number of Bladings		1	
Number of Miles to be Bladed		6	
Miles / Hour for equipment		0.5	
Cost / Hour:	\$	95.00	
<b>Total Grading Hours:</b>		<b>12</b>	
<b>Grading Cost:</b>	\$	<b>1,140.00</b>	
<b>Total Cost:</b>	\$	<b>1,440.00</b>	
<b>Cost / MBF</b>	\$	<b>0.99</b>	

#### Dust Abatement (Profit & Risk Included)

WF	1,418,000	BF	98% Average Load	4000	BF	355	# of Loads
Pine	34,000	BF	2% Average Load	3700	BF	9	# of Loads
<b>Total:</b>	<b>1,452,000</b>	<b>BF</b>				<b>363.7</b>	<b>Total Loads</b>

Assume:

		Trucks/Day					
		Trips / Day		37	Hauling Days		
	10	Loads Per Day		6	Hours / Day		
				\$ 75.00	Cost / Hour		
				222	Total Hours		
				\$ 158.00	Move-In for Water Truck		
				\$ 16,650.00	Dust Abatement Cost		
				\$ 16,808.00	<b>Total Cost</b>		
				\$ 11.58	<b>Cost / MBF</b>		

#### Brand & Paint

		Hauling Days					
		Hours / Day					
		Cost / Hour					
\$	1,480.00	<b>Total Cost</b>					
\$	1.02	<b>Cost / MBF</b>					

# Anomalous

## 341-07-27

### Additional Costs Sheet



"STEWARDSHIP IN FORESTRY"

#### Project #1 Road Construction & Improvement

Move - in cost Cat \$300

#### New Construction

	Points	Distance (feet)	Ft./HR.	Hours	Cost HR.(cat)	Cost
<i>Clear, Grub, Shape</i>	E to G	290	290	1	100	\$ 100.00
<i>Clear, Grub, Shape</i>	D to H	910	300	3	100	\$ 303.33
<i>Clear, Grub, Shape</i>	I to J	845	400	2.11	100	\$ 211.25
<i>Clear, Grub, Shape</i>	K to L	450	400	1	100	\$ 112.50
<i>Clear, Grub, Shape</i>	M to N	890	400	2.23	100	\$ 222.50
	<b>Total</b>	<b>3385</b>		<b>9</b>		<b>\$ 949.58</b>

\$ 1,249.58 Includes Move In

#### Road Improvement

	Points	Distance (feet)	Ft./HR.	Hours	Cost HR.(cat)	Cost
<i>Roadside Clearing</i>	A to B	2600	600	4.33	100	\$ 433.33
<i>Roadside Clearing</i>	B to C	760	600	1.27	100	\$ 126.67
<i>Roadside Clearing</i>	B to D	1170	600	1.95	100	\$ 195.00
<i>Roadside Clearing</i>	E to F	900	600	1.5	100	\$ 150.00
	<b>Total</b>	<b>5430</b>		<b>9</b>		<b>\$ 905.00</b>

**TOTAL PROJECT #1**

**\$ 2,154.58**

#### Project #2 Fell, Skid, & Pile Submerchantable Material

\$ 2,000	Total Subsawlog Volume MBF
\$ 42,500	Fell & Skid / MBF
\$ 750	Sort/MBF
\$ 50.00	Total / MBF
<b>\$ 3,600.00</b>	<b>Total Cost</b>

**Anomalous**  
**341-07-27**  
**Additional Costs Sheet**



"STEWARDSHIP IN FORESTRY"

<i>Landing Cleanup (included with Project # 2)</i>			
10	Number of Landings		
	Shovel Time:	1	Hours / Landing
		\$ 120.00	Cost / Hour
	Cat Time:	1	Hours / Landing
		\$ 100.00	Cost / Hour
			<b>Total Cost:</b>
			<b>\$ 2,200.00</b>

**TOTAL PROJECT #2**

**\$ 5,800.00**

<i>Project #3 Road Closures</i>			
	Number of Closure Points	1	Number of Road Segments
	Hours/Point (include travel)	1	Hours/Segment
\$100.00	Cost/Hour(Cat)	\$100.00	Cost/Hour(Cat)
1	Total Road Blocking Hours	4	Total Hours
<b>\$100.00</b>	<b>Total Cost</b>	<b>\$400.00</b>	<b>Total Cost</b>

**TOTAL PROJECT #3**

**\$500.00**

<i>Cost Summary</i>	
Project #1 Road Construction & Improvement	\$ 2,155.00
Project #2 Fell, Skid, Pile Submerch	\$ 5,800.00
Project #3 Road Closures	\$ 500.00
<b>TOTAL PROJECT COSTS</b>	<b>\$ 8,455.00</b>
<b>Other Costs</b>	
Road Maintenance	\$ 1,440.00
Dust Abatement	\$ 16,808.00
Brand & Paint	\$ 1,480.00
<b>TOTAL OTHER COSTS</b>	<b>\$ 19,728.00</b>

# ANOMALOUS

341-07-27  
Cruise Report



**SALE NAME:** Anomalous

**LEGAL DESCRIPTION:**

Township 32S, R 7E, E ½ of SE ¼ Section 31 and W ½ of SW ¼ Section 32.

**BOUNDARY LINES:**

Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging. Exclusion area is posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

**FUND:** 100% B.O.F.

**ACREAGE:** Total sale acreage is 154 acres.

Mapping was accomplished using a handheld Global Positioning System unit with the data run on the district Geographical Information System Program.

**TREATMENT:**

The entire timber sale is a selection cut that is leave tree marked with orange paint for white fir and cut tree marked with blue paint for all pine species. Wildlife trees are designated with an orange "W".

**CRUISE METHOD:**

Variable Plot cruise with all the plots being measure plots. Fixed plot cruise for all submerchantable material (5.0" to 8.0"), with all plots being measure plots.

**BASAL AREA FACTOR:**

Area	BAF	Type Acreage
Entire Sale Area	14 BAF	154 acres

Full point plots taken, 1/50<sup>th</sup> acre fixed plots for submerchantable material (5.0" to 8.0" DBH)

**PLOT DESIGNATION:**

Plot centers were established at every plot. Pink flagging with the corresponding plot number was attached to the plot center and also to the nearest available tree branch.

**SAMPLE SIZE CALCULATIONS:**

<b>Anomalous Timber Sale</b>			
	CV %	Desired SE %	Acres
<b>Total Sale Area</b>	80	13	154

$$\text{Number of Plots} = \frac{T^2 C^2}{A^2}$$

C = Coefficient of Variation in Percent (Taken from inventory data)

T = Number of Standard Errors

A = Desired Sampling Error for a sale of this size and value

**Total Sale Number of Plots:**  $\frac{(1)^2(80)^2}{13^2} = 38 \text{ Plots (41 plots taken)}$

Measurements and Grading:

- DBH and Height were measured on all "in" trees in the plot.
- All plots were measure plots.
- Pulp volume and sawlog volume cruised.
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.
- Separate fixed plot cruise for all submerchantable material (5"to 8")

**TREE HEIGHT:**

All trees were measured to a fixed diameter outside bark. This height is usually taken as high up the bole as possible, where the cruiser can clearly see the bole, and the taper remains constant (usually 6 or 8 inches). The log segments are broken out and graded accordingly.

**MINIMUM D.B.H.:**

8.0" D.B.H. for sawlog volume. (Must have a minimum of 20 board feet.)

5.0" D.B.H. for pulp volume.

**DIAMETER STANDARDS:**

1" diameter class

**BTR:**

Standard ratios were used. See attached species tables.

**FORM FACTOR:**

Form factor was measured or estimated at 16' for each tree. Each tree was assigned its own FF.

**FORM POINT:**

All trees were sighted at D.B.H.

**VOLUME COMPUTATION:**

All cruise data was input and run at the district on Atterbury's Super Ace program.

**CRUISERS:** Ed Scheick

**FINAL CRUISE RESULTS:**

<b>Anomalous Timber Sale</b>			
	<b>CV %</b>	<b>SE %</b>	<b>Acres</b>
<b>Total Sale Area</b>	60	9.4	154

**TIMBER DESCRIPTION**

	<b>Species</b>	<b>Average DBH</b>	<b>Gross Volume (MBF)</b>	<b>Net Volume (MBF)</b>
<b>Total Sale Area</b>	White Fir	13.9	1426	1418
	Ponderosa Pine	11.4	12	12
	Sugar Pine	12.3	11	11
	Lodgepole Pine	14.4	11	11
		<b>Total MBF</b>	<b>1452</b>	

(Volumes taken from Species, Sort Grade -Board Foot Volumes Report)

## GREEN PULP VOLUME

This volume was obtained from the variable plot cruise (>8" DBH) and the fixed plot cruise (5.0"-8.0"). All material was graded green pulp. See grade table for minimum standards. The summary for green pulp listed below includes all types for the timber sale.

	Species	Green Pulp Volume (MBF)
Total Sale Area Variable	Ponderosa Pine	7
	White Fir	11
		<b>Total: 18 MBF</b>

(Volumes taken from Species, Sort Grade -Board Foot Volumes Report)

	Species	Green Pulp Volume (MBF)
Total Sale Area Fixed	Ponderosa Pine	9
	White Fir	45
		<b>Total: 54 MBF</b>

**Total Green Pulp Volume: 72 MBF**



**STATISTICS**  
PROJECT ANOMAL

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	7E	32	VARIABLE	231	154.00	41	236	1	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	41	236	5.8		
CRUISE	40	236	5.9	12,005	2.0
DBH COUNT					
REFOREST COUNT					
BLANKS	1				
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
WHITE F	224	72.7	13.9	44	15	76.5	9,334	9,281	2,031	2,031
PPINE	7	3.4	11.4	32		2.4	122	122	34	34
SUG PINE	3	1.2	12.3	29		1.0	70	70	16	16
LP PINE	2	.6	14.4	50		.7	74	74	19	19
<b>TOTAL</b>	<b>236</b>	<b>78.0</b>	<b>13.8</b>	<b>43</b>		<b>80.6</b>	<b>9,601</b>	<b>9,548</b>	<b>2,100</b>	<b>2,100</b>

**CONFIDENCE LIMITS OF THE SAMPLE**

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL:	68.1 %	COEFF	SAMPLE TREES - BF			# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHITE F		121.8	8.1	217	237	256			
PPINE		61.3	25.0	32	43	54			
SUG PINE		154.6	107.1		187	387			
LP PINE		17.0	15.9	105	125	145			
<b>TOTAL</b>		<b>124.0</b>	<b>8.1</b>	<b>211</b>	<b>229</b>	<b>248</b>	<b>615</b>	<b>154</b>	<b>68</b>

CL:	68.1 %	COEFF	SAMPLE TREES - CF			# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHITE F		99.9	6.7	45	48	51			
PPINE		56.1	22.9	9	12	14			
SUG PINE		144.0	99.7	0	38	77			
LP PINE		17.7	16.6	27	32	37			
<b>TOTAL</b>		<b>101.7</b>	<b>6.6</b>	<b>44</b>	<b>47</b>	<b>50</b>	<b>413</b>	<b>103</b>	<b>46</b>

CL:	68.1 %	COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHITE F		81.8	12.8	63	73	82			
PPINE		238.0	37.2	2	3	5			
SUG PINE		441.1	68.9	0	1	2			
LP PINE		450.7	70.4	0	1	1			
<b>TOTAL</b>		<b>75.3</b>	<b>11.8</b>	<b>69</b>	<b>78</b>	<b>87</b>	<b>227</b>	<b>57</b>	<b>25</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
WHITE F		64.5	10.1	69	76	84			
PPINE		223.1	34.8	2	2	3			
SUG PINE		360.3	56.3	0	1	2			
LP PINE		447.1	69.8	0	1	1			
<b>TOTAL</b>		<b>60.8</b>	<b>9.5</b>	<b>73</b>	<b>81</b>	<b>88</b>	<b>148</b>	<b>37</b>	<b>16</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
WHITE F		62.1	9.7	8,381	9,281	10,181			
PPINE		236.5	36.9	77	122	167			
SUG PINE		453.9	70.9	20	70	120			
LP PINE		447.1	69.8	22	74	126			
<b>TOTAL</b>		<b>60.4</b>	<b>9.4</b>	<b>8,646</b>	<b>9,548</b>	<b>10,449</b>	<b>146</b>	<b>37</b>	<b>16</b>

TC TSTATS				STATISTICS				PAGE 2	
				PROJECT ANOMAL		DATE 1/25/2006			
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	7E	32	VARIABLE	231	154.00	41	236	1	E
CL:	68.1%	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
CL:	68.1%	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHITE F		61.7	9.6	1,836	2,031	2,227			
PPINE		233.7	36.5	22	34	47			
SUG PINE		414.6	64.7	6	16	26			
LP PINE		447.1	69.8	6	19	32			
<b>TOTAL</b>		59.7	9.3	1,905	2,100	2,296	142	36	16

TC TLOGSTVB										Log Stock Table - MBF									
										Project: ANOMAL									
T32S R7E S32 T231										T32S R7E S32 T231									
Twp	Rge	Sec	Tract	Type	Acres	PLOTS	Sample Trees	Page	1										
32S	7E	32	VARIABLE	231	154.00	41	236	Date	4/26/2006										
									Time	8:17:00AM									
S Spp	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WF	CR	CR	13	26		26	1.8				24	2							
WF	CR	CR	17	60		60	4.2				44	13		1		1			
WF	CR	CR	23	33		33	2.3				27	6							
WF	CR	CR	27	123		123	8.6				95	23			5				
WF	CR	CR	30	9		9	.6				9								
WF	CR	CR	34	1,175	.7	1,167	81.6				168	222	217	204	147	137	54	18	
WF	CR	GP	12	4		4	.3					4							
WF	CR	GP	13	1		1	.1	1											
WF	CR	GP	14	4		4	.3	1			2								
WF	CR	GP	15	3		3	.2				3								
WF	Totals			1,437		1,429	97.2	3			371	270	217	205	154	138	54	18	
PP	CR	CR	16	2		2	10.0				2								
PP	CR	CR	30	3		3	18.4				3								
PP	CR	CR	32	3		3	15.0				3								
PP	CR	CR	40	3		3	18.5				3								
PP	CR	GP	13	1		1	5.8	1											
PP	CR	GP	14	2		2	11.6				2								
PP	CR	GP	16	1		1	5.1		1										
PP	CR	GP	18	3		3	15.5		1		2								
PP	Totals			19		19	1.3	1	2		16								
SP	CR	CR	16	2		2	22.0				2								
SP	CR	CR	20	1		1	10.5				1								
SP	CR	CR	30	1		1	13.0				1								
SP	CR	CR	32	6		6	54.5									6			
SP	Totals			11		11	.7				5					6			
LP	CR	CR	13	1		1	7.1				1								
LP	CR	CR	34	5		5	42.7					5							
LP	CR	CR	40	6		6	50.2					6							
LP	Totals			11		11	.8				1	11							
Total All Species				1,478		1,470	100.0	4	2		392	281	217	205	154	144	54	18	

T32S R7E S32 T231  
 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt T32S R7E S32 T231  
 32S 7E 32 VARIABLE 231 154.00 41 236 1 BdFt  
 E

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	
									6-7	8-14	15-22	23+	12-20	21-30	31-35	36-99				
WF		CR	CR	99	.6	9,260	9,207	1,418	26	54	18	2	6	12	82	28	100	0.78	92.4	
WF		CR	GP	1		74	74	11	67	33			100			14	17	0.31	4.3	
<b>WF</b>	<b>Totals</b>			97	.6	9,334	9,281	1,429	26	54	18	2	7	12	82	27	96	0.77	96.7	
PP		CR	CR	61		76	76	12	100				16	30	24	30	28	54	0.51	1.4
PP		CR	GP	39		46	46	7	100				100			16	14	0.27	3.3	
<b>PP</b>	<b>Totals</b>			1		122	122	19	100				48	18	15	18	19	26	0.37	4.7
SP		CR	CR	100		70	70	11	46	54			33	13	54	19	53	0.62	1.3	
<b>SP</b>	<b>Totals</b>			1		70	70	11	46	54			33	13	54	19	53	0.62	1.3	
LP		CR	CR	100		74	74	11	7	93			7		43	50	30	86	0.73	.9
<b>LP</b>	<b>Totals</b>			1		74	74	11	7	93			7		43	50	30	86	0.73	.9
<b>Type Totals</b>					.6	9,601	9,548	1,470	27	53	18	2	8	12	80	1	27	92	0.76	103.6

## Species Table Report

TblSpecies

Date: 1/25/2006

Table Name: SUNPASS

Page: 1

Code	Abrv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Component	Yield Table	Min Log Dia	Min Log Len	Max Log Len	Log Trim	Max Tree Dia	Max Tree Hgt.	BdFt Rule	CuFt Rule	Weight
1	PP	PPINE	.909	PP	.85	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
2	WF	WHITE F	.94	NF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000
3	LP	LP PINE	.96	DF	.96	C	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
4	DF	DOUG-FIR	.92	DF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5700
5	SP	SUG PINE	.87	PP	.84	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
6	IC	INC CED	.90	SS	.8	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	4500
7	RF	SH RFIR	.924	DF	.89	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000

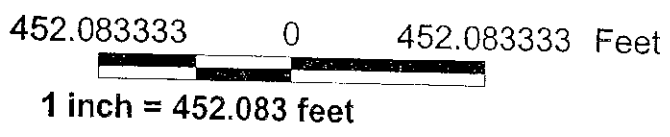
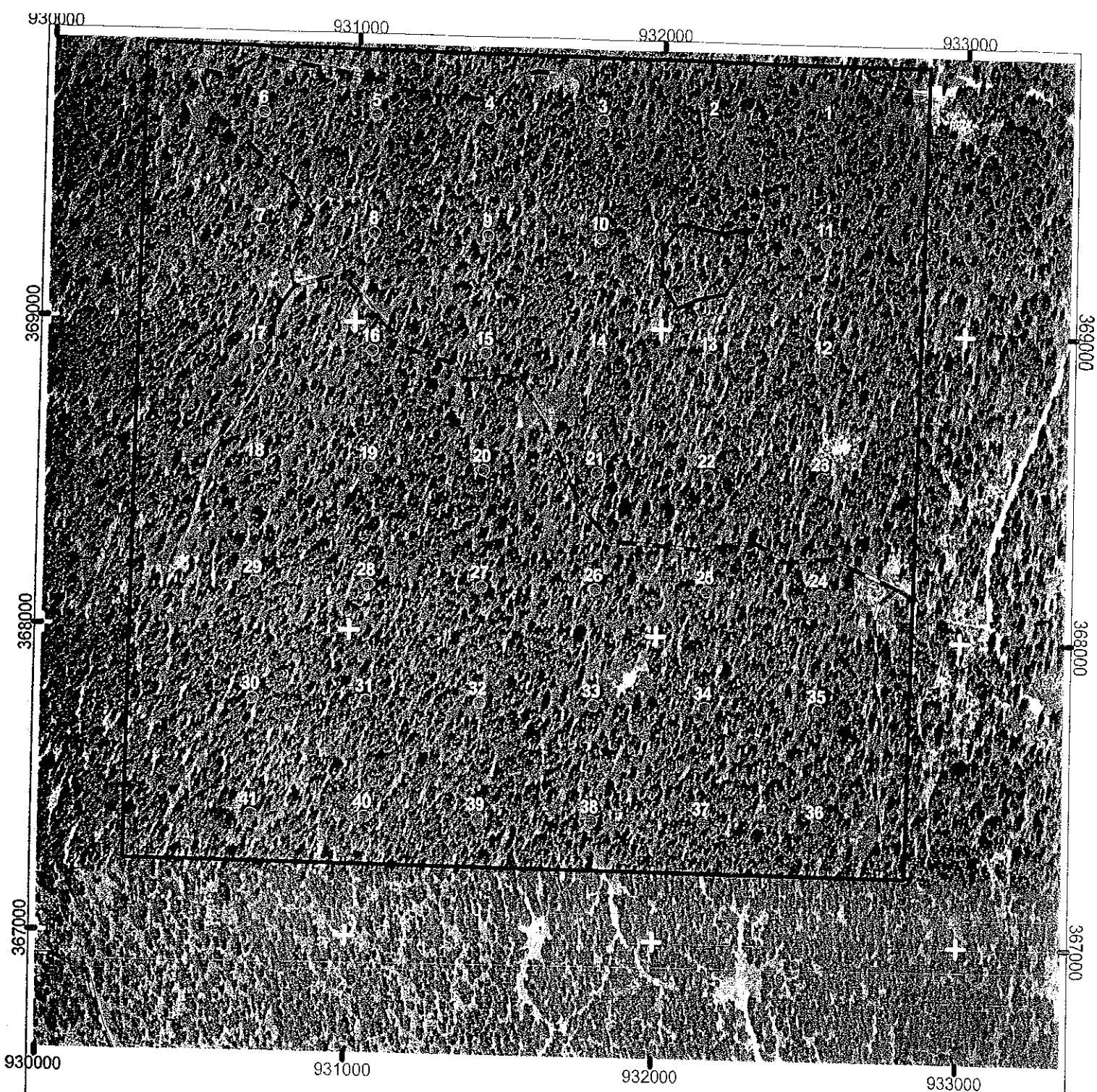
TblSortGrade

## Sort/Grade Table

Table Name: ORIGINAL

Date: 1/25/2006

Sort	Grd	Abr	Desc	Fbr	Min Dia	Max Dia	Max Butt	Min Len	Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot Size	Knot Freq	Str	Sap	Min Age	Lbs	Lbs Type	Cords	Cords Type
0		CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	
1		CR	CAMPRU	G	6	0	0	10	99	0	0	M	0	0	0			0	0		0	
7		GP	GRNPULP	G	3	0	0	10	99	0	0	M	0	0	0			0	0		0	
8		DP	DEADPUL	G	3	0	0	10	99	0	0	M	0	0	0			0	0		0	
9		UT	UTILITY	G	8	0	0	12	99	0	0	M	0	0	0			0	0		0	
0		CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	
1		CR	CAMPRU	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	



**SLI Stand Map**  
**Stand #: 40231, 154 acres**  
 S32 T32.00S R 7.00, W.M.  
 KLAMATH County, OR



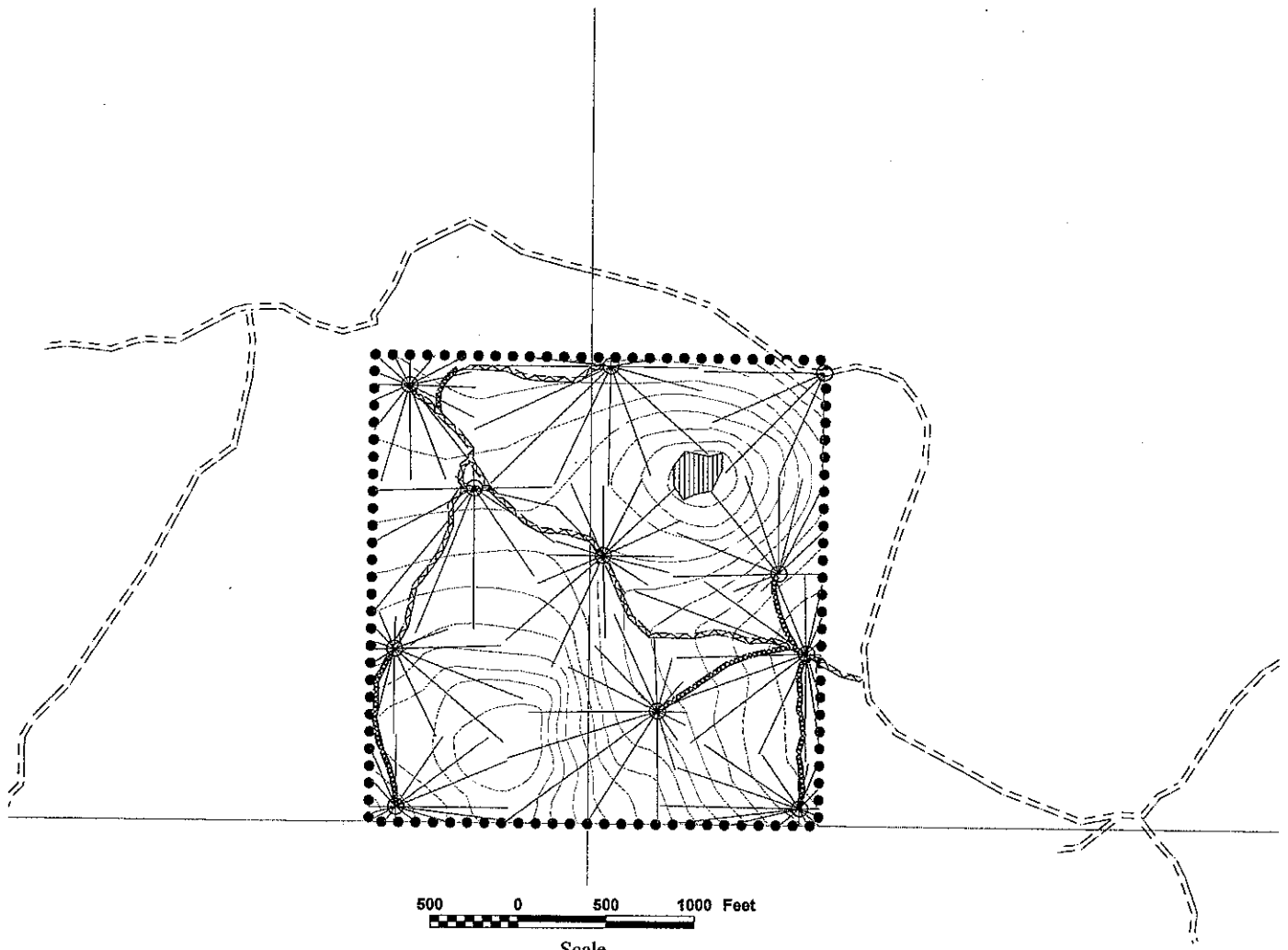
CRUISE INFO  
 Plot Spacing:  
 See Attached For  
 Line and Plot Info.  
 FPSgroup TEMP

CRUISER  
 PLOTS

- Type and Owner Boundary
- Stand Boundary
- Section Lines
- Roads
- Streams
- Ownership Bdry
- Line Start Point



"STEWARDSHIP IN FORESTRY"  
 created: 10/05/2005



500 0 500 1000 Feet

Scale  
1:12000

1 Inch = 1000 Feet

LEGEND			
○	Landing		Unsurfaced Road (Improvement Required)
	40 Foot Contours		Unsurfaced Road (Construction Required)
	Skid Trail		Exclusion Area
	Section Line	•••••	Timber Sale Boundary (Posted)
	Unsurfaced Road		



### LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-07-27

ANOMALOUS

PORTIONS OF SECTIONS 31 & 32, T32S., R7E., W.M.

KLAMATH COUNTY, OREGON

154 ACRES