



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Annie Haul  
Sale 341-09-01

District: Klamath/Lake

Date: April 11, 2008

---

**cost summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$218,775.60	\$0.00	\$218,775.60
		<b>Project Work:</b>	\$(29,694.52)
		<b>Advertised Value:</b>	\$189,081.08



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Annie Haul  
Sale 341-09-01

District: Klamath/Lake

Date: April 11, 2008

**timber description**

Location: Portions of Sections 30 and 31, T32S, R7-1/2E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Ponderosa Pine	18	0	97

Volume by Grade	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
Ponderosa Pine	345	65	130	540	1,080
Total	345	65	130	540	1,080

comments: Pond Values Used: 1st Quarter Calendar Year 2008.

Log Markets: Klamath Falls and Medford

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (Profit and Risk to be added):

Dust Abatement: \$6,158

Brand and Paint: \$800

TOTAL Other Costs (Profit and Risk to be added) = \$6,958



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Annie Haul  
Sale 341-09-01

District: Klamath/Lake

Date: April 11, 2008

---

**logging conditions**

<b>combination#:</b> 1	Ponderosa Pine	30.00%
<b>yarding distance:</b>	Short (400 ft)	<b>downhill yarding:</b> Yes
<b>logging system:</b>	Wheel Skidder	<b>Process:</b> Feller Buncher
<b>tree size:</b>	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF	
<b>loads / day:</b>	12.0	<b>bd. ft / load:</b> 4,200
<b>cost / mbf:</b>	\$65.89	
<b>machines:</b>	Log Loader (B) Stroke Delimber (B) Feller Buncher w/ Delimber Tire Skidder	
<b>combination#:</b> 2	Ponderosa Pine	70.00%
<b>yarding distance:</b>	Short (400 ft)	<b>downhill yarding:</b> Yes
<b>logging system:</b>	Wheel Skidder	<b>Process:</b> Manual Falling/Delimiting
<b>tree size:</b>	Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF	
<b>loads / day:</b>	10.0	<b>bd. ft / load:</b> 4,700
<b>cost / mbf:</b>	\$66.89	
<b>machines:</b>	Log Loader (B) Tire Skidder	



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Annie Haul  
Sale 341-09-01

District: Klamath/Lake

Date: April 11, 2008

**logging costs**

<b>Operating Seasons:</b>	1.00	<b>Profit Risk:</b>	12.00%
<b>Project Costs:</b>	\$29,694.52	<b>Other Costs (P/R):</b>	\$6,958.00
<b>Slash Disposal:</b>	\$0.00	<b>Other Costs:</b>	\$0.00

**Miles of Road**

Road Maintenance: \$1.33

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

**Hauling Costs**

Species	\$ / MBF	Trips/Day	MBF / Load
Ponderosa Pine	\$0.00	3.0	4.5

**Local Pond Values**

Date	Specie	Grade	Value
4/11/08	Ponderosa Pine	CR 6" - 8"	\$270.00
4/11/08	Ponderosa Pine	CR 8" - 14"	\$305.00
4/11/08	Ponderosa Pine	CR 14" - 22"	\$415.00
4/11/08	Ponderosa Pine	CR 22"+	\$470.00



Timber Sale Appraisal  
 Annie Haul  
 Sale 341-09-01

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: April 11, 2008

**logging costs breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Ponderosa Pine</b>									
\$66.59	\$1.37	\$4.06	\$47.69	\$6.44	\$15.14	\$0.00	\$2.00	\$0.00	\$143.29

Specie	Amortization	Pond Value	Stumpage	Amortized
Ponderosa Pine	\$0.00	\$345.86	\$202.57	\$0.00



Timber Sale Appraisal  
Annie Haul  
Sale 341-09-01

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: April 11, 2008

**summary**

**Amortized**

Specie	MBF	Value	Total
Ponderosa Pine	0	\$0.00	\$0.00

**Unamortized**

Specie	MBF	Value	Total
Ponderosa Pine	1,080	\$202.57	\$218,775.60

**Gross Timber Sale Value**

Recovery: \$218,775.60

Prepared by: Ed Scheick

Phone: 541-883-5681

**Summary of Project Work**

**Annie Haul  
341-09-01**

<b>Project #1:</b> Road construction and improvement.....	\$530.00
<b>Project #2:</b> Road surfacing.....	\$25,504.52
<b>Project #3:</b> Felling, yarding, and piling of submerchantable trees.....	\$3,560.00
<b>Project #4:</b> Road closures.....	\$29,200.00
<b>TOTAL</b>	<hr/> <b>\$29,694.52</b>

# Annie Haul

## Additional Work and Project Work

### 341-09-01



"STEWARDSHIP IN FORESTRY"

### Additional Work

#### 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
Total Grading Hours:		12
Grading Cost:	\$	1,140.00
<b>Total Cost:</b>	<b>\$</b>	<b>1,440.00</b>
<b>Cost / MBF</b>	<b>\$</b>	<b>1.33</b>

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

PP	1,080,000	BF	100% Average Load	4500	BF	240	# of Loads
Total:	1,080,000	BF				Total Loads	240

Assume:	4	Trucks/Day					
	3	Trips / Day		20	Hauling Days		
	12	Loads Per Day		4	Hours / Day		
				\$ 75.00	Cost / Hour		
				80	Total Hours		
				\$ 158.00	Move-In for Water Truck		
				\$ 6,000.00	Dust Abatement Cost		
				\$ 6,158.00	<b>Total Cost</b>		
				\$ 5.70	<b>Cost / MBF</b>		

#### Brand & Paint (Profit & Risk Included)

20	Hauling Days	
2	Hours / Day	
\$ 20.00	Cost / Hour	
\$ 800.00	<b>Total Cost</b>	
\$ 0.74	<b>Cost / MBF</b>	

#### Other Costs Summary (Profit & Risk Included)

\$ 6,158.00	Total Cost for Dust Abatement	
\$ 800.00	Total Cost for Log Branding	
\$ 6,958.00	<b>Total Costs (Profit and Risk Included)</b>	
\$ 6.44	<b>Cost/MBF</b>	



# Annie Haul

## Additional Work and Project Work

### 341-09-01



### Project Work

<b>Project #1 Road Construction and Improvement</b>																		
Move in Cost Cat \$370																		
<b>New Construction</b>																		
	<b>Points</b>	<b>Distance (ft.)</b>	<b>Feet/Hour</b>	<b>Hours</b>	<b>Cost/Hr.</b>	<b>Cost</b>												
Clear/Grub	A to B	100	300	0.33	\$100	33.33												
<b>TOTAL COST</b>						<b>\$ 33.33</b>												
<b>Road Improvement</b>																		
	<b>Points</b>	<b>Distance (ft.)</b>	<b>Feet/Hour</b>	<b>Hours</b>	<b>Cost/Hr.</b>	<b>Cost</b>												
Clear/Shape	Cto D	760	600	1.27	\$100	\$ 126.67												
<b>TOTAL COST</b>						<b>\$ 126.67</b>												
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;">Road Construction</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">33.33</td> </tr> <tr> <td>Road Improvement</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">126.67</td> </tr> <tr> <td>Move in Cat</td> <td style="text-align: right;">\$</td> <td style="text-align: right;">370.00</td> </tr> <tr> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>\$</b></td> <td style="text-align: right;"><b>530.00</b></td> </tr> </table>							Road Construction	\$	33.33	Road Improvement	\$	126.67	Move in Cat	\$	370.00	<b>TOTAL</b>	<b>\$</b>	<b>530.00</b>
Road Construction	\$	33.33																
Road Improvement	\$	126.67																
Move in Cat	\$	370.00																
<b>TOTAL</b>	<b>\$</b>	<b>530.00</b>																
<b>Total Project #1 Cost: \$530.00</b>																		

# Annie Haul

## Additional Work and Project Work

### 341-09-01



### Project Work

"STEWARDSHIP IN FORESTRY"

#### Project #2 3 Road Shaping and Surfacing

#### Rock Surfacing ~ Delivered

1 1/2 -	Rock Size
1.1	Length (Miles)
5808	Length (feet)
14	Width (feet)
4	Depth (inches)
27,104.0	Cubic Feet
0.0	Additional Cubic Feet for Curve Widening
27104.0	Total Cubic Feet
1,003.9	Cubic Yards
\$ 16.88	Cost / Yard
1.3	Expansion Factor
1305.0	Cubic Yards (Loose)
1.35	Tons/Cubic Yard
1761.76	Tons
73	No. of Belly Dump Loads
\$ 12.50	Price / Ton
\$ 22,022.00	Total Price

#### Rock Spreading (Grader)

Number of Bladings	3
Number of Miles to be Bladed	1.1
Miles / Hour for equipment	0.25
Cost / Hour:	\$95.00
Total Grading Hours:	13.20
Grading Cost:	1,254.00

#### Pull Ditches / Shape Road (Prior to Rocking)

Feet / Hour	500
Total Feet	5808
Total Hours	11.62
Cost / Hour	\$95.00
Total	\$ 1,103.52

#### Water Truck to work with Grader

Number of Hours	15
Cost / Hour	\$75.00
Total	\$ 1,125.00

#### Road Shaping & Surfacing Cost Summary

Rock Surfacing	\$ 22,022.00
Rock Spreading	\$ 1,254.00
Pull Ditches	\$ 1,103.52
Water Truck	\$ 1,125.00
<b>Total Cost</b>	<b>\$ 25,504.52</b>

**Total Project #2 Cost: \$25,504.52**

# Annie Haul

## Additional Work and Project Work

### 341-09-01



### Project Work

"STEWARDSHIP IN FORESTRY"

#### *Project #3 Fell, Skid, & Pile Submerchantable Material*

36.00 Total Subsawlog Volume MBF

\$ 42.50 Fell & Skid / MBF

\$ 7.50 Sort / MBF

\$ 50.00 Total / MBF

**\$ 1,800.00 TOTAL COST**

#### *Landing Cleanup (included in Project 3)*

Number of Landings 8

			Cost/Hour	Total Cost:
Shovel Time:	1	Hours / Landing	\$ 120.00	\$960
Cat Time:	1	Hours / Landing	\$ 100.00	\$800
			<b>TOTAL</b>	<b>\$1,760</b>

**Total Project # 3 Cost: \$3560.00**

#### *Project #4 Road Closures*

##### Road Blocking

Number of Closure Points	1
Hours/Point (include travel)	1
Cost/Hour (Cat)	\$100.00
Total Hours	1
<b>TOTAL COST</b>	<b>\$100.00</b>

**Total Project #4 Cost: \$100.00**

#### *Project Cost Summary*

\$	530.00	Project #1 - Road Construction and Improvement
\$	25,504.52	Project#2 - 3 Road Shaping and Surfacing
\$	3,560.00	Project #3 - Fell, Skid, & Pile Submerchantable
\$	100.00	Project #4 - Road Closures
<b>\$</b>	<b>29,694.52</b>	<b>TOTAL PROJECT COSTS</b>

# ANNIE HAUL

341-09-01  
Cruise Report



**SALE NAME:** Annie Haul

**LEGAL DESCRIPTION:** Township 32S, Range 7 1/2E, Portions of Sections 30 & 31.

**BOUNDARY LINES:**

Unit boundaries are 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 110 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. 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	110acres

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. White flagging with the corresponding plot number was attached to the plot center and also to the nearest available tree branch.

**SAMPLE SIZE CALCULATIONS:**

<b>Annie Haul Timber Sale</b>			
	<b>CV %</b>	<b>Desired SE %</b>	<b>Acres</b>
<b>Total Sale Area</b>	65	13	110

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

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

$$\text{Total Sale Number of Plots: } \frac{(1)^2(65)^2}{13^2} = 25 \text{ Plots}$$

**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>Annie Haul Timber Sale</b>			
	<b>CV %</b>	<b>SE %</b>	<b>Acres</b>
<b>Total Sale Area</b>	61	12.4	110

**TIMBER DESCRIPTION**

	<b>Species</b>	<b>Average DBH</b>	<b>Gross Volume (MBF)</b>	<b>Net Volume (MBF)</b>
<b>Total Sale Area</b>	Ponderosa Pine	17.8	1,086	1,080
	White Fir	11.7	6	6
	Lodgepole Pine	9.8	4	4
<b>Total MBF</b>				<b>1,090</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)
<b>Total Sale Area</b> <b>Variable</b>	Ponderosa Pine	7
	White Fir	3
		<b>Total: 10 MBF</b>

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

	Species	Green Pulp Volume (MBF)
<b>Total Sale Area</b> <b>Fixed</b>	Ponderosa Pine	13
	White Fir	2
	Lodgepole Pine	11
		<b>Total: 26MBF</b>

**Total Green Pulp Volume: 36MBF**

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	7.5	31	VARIABLE	0117	110.00	25	127	1	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	25	127	5.1		
CRUISE	24	127	5.3	4,774	2.7
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
PPINE	123	40.1	17.8	56		68.9	9,949	9,872	1,972	1,972
WHITE F	3	2.3	11.7	28	0	1.7	81	81	29	29
LP PINE	1	1.1	9.8	25		.6	32	32	10	10
<b>TOTAL</b>	<b>127</b>	<b>43.4</b>	<b>17.3</b>	<b>54</b>		<b>71.1</b>	<b>10,061</b>	<b>9,985</b>	<b>2,010</b>	<b>2,010</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			
PPINE		89.6	8.1	424	461	498	5	10	15
WHITE F		31.5	21.8	29	37	45			
LP PINE									
<b>TOTAL</b>		<b>92.4</b>	<b>8.2</b>	<b>411</b>	<b>447</b>	<b>484</b>	<b>341</b>	<b>85</b>	<b>38</b>

CL	68.1	COEFF	SAMPLE TREES - CF			# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH			
PPINE		78.4	7.1	81	87	93	5	10	15
WHITE F		33.5	23.2	10	13	16			
LP PINE									
<b>TOTAL</b>		<b>80.8</b>	<b>7.2</b>	<b>79</b>	<b>85</b>	<b>91</b>	<b>261</b>	<b>65</b>	<b>29</b>

CL	68.1	COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH			
PPINE		58.7	12.0	35	40	45	5	10	15
WHITE F		366.6	74.8	1	2	4			
LP PINE		500.0	102.0		1	2			
<b>TOTAL</b>		<b>55.9</b>	<b>11.4</b>	<b>38</b>	<b>43</b>	<b>48</b>	<b>130</b>	<b>33</b>	<b>14</b>

CL	68.1	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH			
PPINE		48.4	9.9	62	69	76	5	10	15
WHITE F		366.4	74.7	0	2	3			
LP PINE		500.0	102.0		1	1			
<b>TOTAL</b>		<b>46.5</b>	<b>9.5</b>	<b>64</b>	<b>71</b>	<b>78</b>	<b>90</b>	<b>22</b>	<b>10</b>

CL	68.1	COEFF	NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH			
PPINE		62.0	12.6	8,625	9,872	11,120	5	10	15
WHITE F		381.3	77.7	18	81	144			
LP PINE		500.0	102.0		32	65			
<b>TOTAL</b>		<b>61.1</b>	<b>12.4</b>	<b>8,742</b>	<b>9,985</b>	<b>11,228</b>	<b>155</b>	<b>39</b>	<b>17</b>

CL	68.1	COEFF	NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH			
PPINE		58.2	11.9	1,738	1,972	2,206	5	10	15
WHITE F		378.2	77.1	7	29	51			





TC PSPCSTGR Species, Sort Grade - Board Foot Volumes (Project)

T32S R7.5 S31 Ty0117 110.00 Project: ANNEHAUL Page 1  
 Acres 110.00 Date 1/22/2008 Time 10:31:52AM

Spp	So T	Gr rt 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	
								6-7	8-14	15-22	23+	12-20	21-30	31-35	36-99				
PP	CR	CR	99	.8	9,895	9,819	1,080	12	50	32	6	11	16	68	5	27	141	1.04	69.7
PP	CR	GP	1		54	54	6	100								15	10	0.22	5.4
<b>PP Totals</b>			99	.8	9,949	9,872	1,086	13	50	32	6	12	16	68	5	26	131	1.00	75.1
WF	CR	CR	72		58	58	6	100					44	56		28	39	0.49	1.5
WF	CR	GP	28		23	23	2	33	67			100				11	15	0.50	1.5
<b>WF Totals</b>			1		81	81	9	81	19			28	32	41		19	27	0.49	3.0
LP	CR	CR	100		32	32	4	100				100				23	30	0.39	1.1
<b>LP Totals</b>			0		32	32	4	100				100				23	30	0.39	1.1
<b>Totals</b>				0.8	10,061	9,985	1,098	14	50	31	5	12	16	67	5	26	126	0.98	79.2

Species Table Report

TblSpecies

Date: 01/22/2008  
Page: 1

Table Name: SUNPASS

Code	Abrv	Description	Bark Ratio	A Subo 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	.87	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

Sort/Grade Table

TblSortGrade

Table Name: SUNPASS

Date: 01/22/2008

Sort	Grd	Abr	Desc	Fbr	Min Dia	Max Dia	Max l 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	

Log Stock Table - MBF

Project: ANNEHAUL

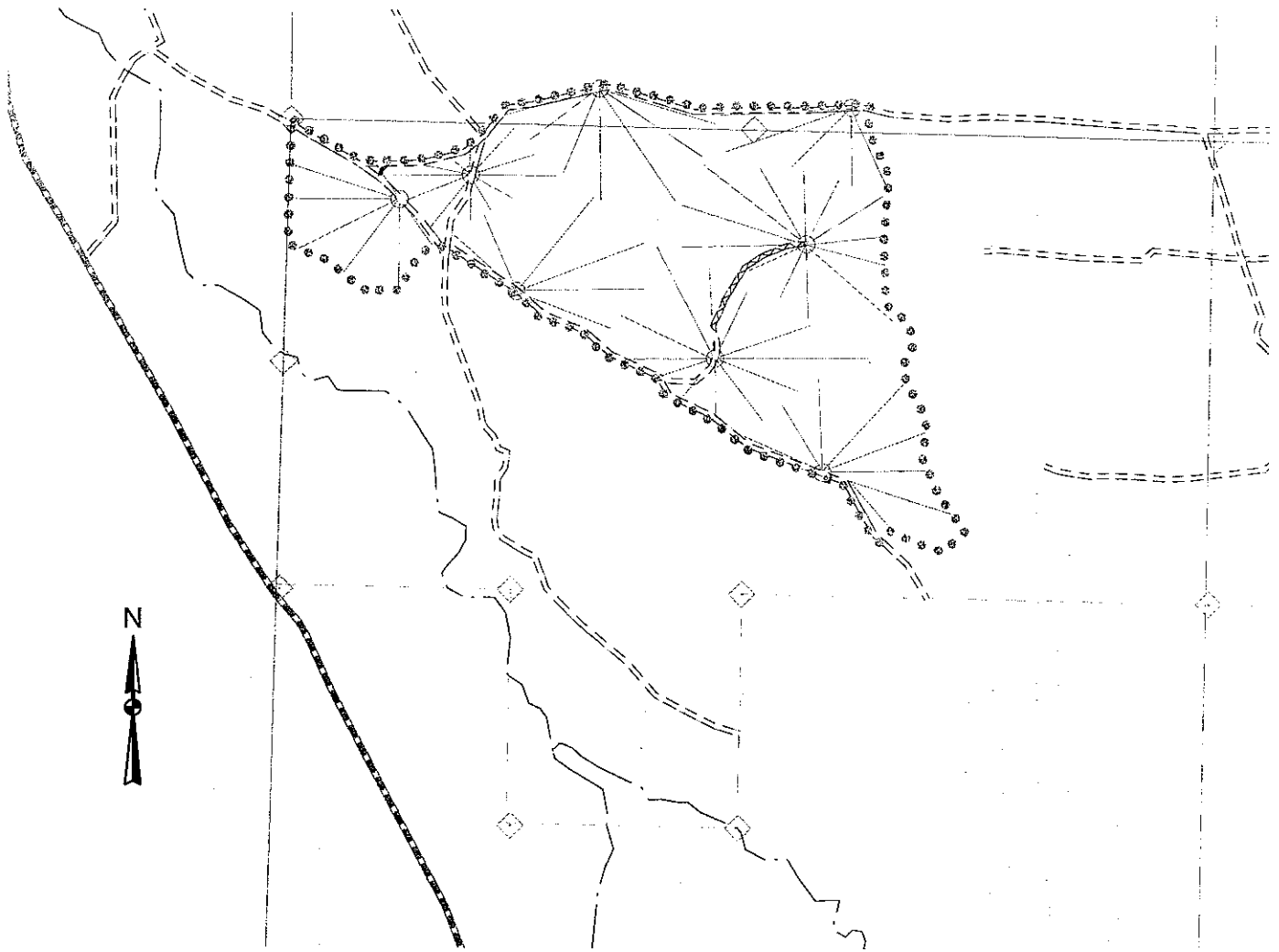
T32S R7.5 S31 T0117

T32S R7.5 S31 T0117

Twp Rge Sec Tract Type Acres Plots Sample Trees  
 32S 7.5 31 VARIABLE 0117 110.00 25 127

Page 1  
 Date 1/17/2008  
 Time 4:54:06PM

Spp	T	S	So	Gr	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	12-14	15-16	17-19	20-22	23-29	30-39	40+				
PP		CR	CR	12			2		2	.2				2												
PP		CR	CR	13			6		6	.6			3		3											
PP		CR	CR	14			1		1	.1					1											
PP		CR	CR	16			13		13	1.2						6			4		4					
PP		CR	CR	17			44		44	4.1			26	3	12	2										
PP		CR	CR	18			4		4	.4									4							
PP		CR	CR	20			48	.2	48	4.4					15	11	13		5		5					
PP		CR	CR	22			5		5	.4					5											
PP		CR	CR	23			26		26	2.4			19	2	2	3										
PP		CR	CR	24			27		27	2.5					17	3			7							
PP		CR	CR	26			4		4	.4						4										
PP		CR	CR	27			94		94	8.7			34	20	16	24										
PP		CR	CR	28			6		6	.6						6										
PP		CR	CR	30			6		6	.6					6											
PP		CR	CR	32			434	.8	430	39.6					8	132	78	76	94		43					
PP		CR	CR	34			311	1.5	307	28.2			51	93	97	58	8									
PP		CR	CR	36			7		7	.7					7											
PP		CR	CR	40			48	.4	47	4.4					14	8	9	8	8		8					
PP		CR	GP	11																						
PP		CR	GP	12			3		3	.3			3													
PP		CR	GP	16			2		2	.1			2													
PP		CR	GP	20			2		2	.1			2													
PP		Totals						1,094		1,086	98.9		2	2	136	121	138	284	123	98	122	60				
WF		CR	CR	23			3		3	31.5			3													
WF		CR	CR	34			4		4	40.7			4													
WF		CR	GP	10			1		1	9.3			1													
WF		CR	GP	12			2		2	18.6				2												
WF		Totals						9		9	.8			7	2											
LP		CR	CR	23			4		4	100.0			4													
LP		Totals						4		4	.3			4												
Total All Species								1,107		1,098	100.0		2	2	147	123	138	284	123	98	122	60				



1000 0 1000 2000 Feet

Scale 1:12000 1 Inch = 1000 Feet

### LOGGING PLAN

TIMBER SALE CONTRACT NO. 341-09-01  
 ANNIE HAUL  
 PORTIONS OF SECTIONS 30 & 31, T32S, R 7 1/2E, W.M.  
 KLAMATH COUNTY, OREGON  
 110 ACRES

#### LEGEND

-----	Section Line	====	Unsurfaced Road	○	Landing
-----	Ownership Boundary	————	Unsurfaced Road (Construction Required)	◇	Land Survey Monument
-----	Timber Sale Boundary (Posted)	▨▨▨▨	Unsurfaced Road (Improvement Required)	—→	Type F Stream
-----	State Highway	———	Skid Trail		