

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: September 30, 2008

## cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$349,228.52	\$0.00	\$349,228.52
	- 100 mm - 100 mm m m m m m m m m m m m m m m m m	Project Work:	\$(37,453.00)
		Advertised Value:	\$311,775.52



"STEWARDSHIP IN FORESTRY"

Lodgepole Pine

District: Klamath/Lake

Date:

September 30, 2008

## timber description

Location: Portions of Sections 12 & 13, T33S, R7.5E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	17	0	97
Sugar Pine	14	0	97
Ponderosa Pine	14	0	97

13

Volume by Grade	Сатргиг	CR 14" -	CR 6* - 8	CR 8" - 1	Total
White Fir	0	368	219	853	1,440
Sugar Pine	0	12	30	56	98
Ponderosa Pine	0	154	330	730	1,214
Lodgepole Pine	774	0	0	0	774
Total	774	534	579	1,639	3,526

9/30/08 2



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

September 30, 2008 Date:

3rd Quarter Calendar Year 2008. Pond Values Used: comments:

Log Markets: Klamath Falls and Medford

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.50/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

Dust Abatement: \$8,090

Log Branding & Painting: \$2,232

TOTAL Other Costs (with Profit & Risk to be added) = \$10,322

(See attached sheet for cost details)

Other Costs (No Profit & Risk to be added):



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date:

September 30, 2008

### logging conditions

combination#: 1

White Fir

78.32%

Sugar Pine

78.20%

Ponderosa Pine Lodgepole Pine

79.03% 79.74%

yarding distance: Medium (800 ft)

downhill yarding:

Yes Process: Feller Buncher

logging system: Wheel Skidder tree size:

Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day:

bd. ft / load:

3,700

cost / mbf:

\$112.18

machines:

Log Loader (B)

Stroke Delimber (B)

Feller Buncher w/ Delimber

Tire Skidder

combination#: 2

White Fir

21.68%

Sugar Pine

21.80%

Ponderosa Pine

20.97%

Lodgepole Pine

20.26%

yarding distance: Medium (800 ft)

downhill yarding:

logging system: Wheel Skidder

Process: Manual Falling/Delimbing

tree size:

Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF bd. ft / load:

4,200

Yes

loads / day: cost / mbf:

\$93.57

machines:

Log Loader (B)

Tire Skidder



"STEWARDSHIP IN FORESTRY"

Klamath/Lake

## Timber Sale Appraisal Willy Nilly Sale 341-09-20

Date: September 30, 2008

logging costs

**Operating Seasons:** 

1.00

Profit Risk:

12.00%

**Project Costs:** 

\$37,453.00

Other Costs (P/R):

\$10,322.00

Slash Disposal:

\$0.00

Other Costs:

\$0.00

#### Miles of Road

District:

**Road Maintenance:** 

\$0.54

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

#### Hauling Costs

Species	\$/MBF	Trips/Day	MBF / Load
White Fir	\$0.00	3.0	4.0
Sugar Pine	\$0.00	3.0	3.9
Ponderosa Pine	\$0.00	3.0	3.9
Lodgepole Pine	\$0.00	3.0	3.4

9/30/08 5



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date:

September 30, 2008

#### Local Pond Values

Date	Specie	Grade	Value
9/30/08	White Fir	CR 6" - 8"	\$290.00
9/30/08	White Fir	CR 8" - 14"	\$320.00
9/30/08	White Fir	CR 14" - 22"	\$330.00
9/30/08	White Fir	CR 22"+	\$335.00
9/30/08	Sugar Pine	CR 6" - 8"	\$245.00
9/30/08	Sugar Pine	CR 8" - 14"	\$270.00
9/30/08	Sugar Pine	CR 14" - 22"	\$325.00
9/30/08	Sugar Pine	CR 22"+	\$360.00
9/30/08	Ponderosa Pine	CR 6" - 8"	\$250.00
9/30/08	Ponderosa Pine	CR 8" - 14"	\$285.00
9/30/08	Ponderosa Pine	CR 14" - 22"	\$340.00
9/30/08	Ponderosa Pine	CR 22"+	\$420.00
9/30/08	Lodgepole Pine	Camprun	\$270.00

9/30/08 6



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date:

September 30, 2008

## logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$108.15	\$0.56	\$1.24	\$53.64	\$2.93	\$19.98	\$0.00	\$5.00	\$0.00	\$191.50
Sugar Pine									
\$108.12	\$0.56	\$1.24	\$55.02	\$2.93	\$20.14	\$0.00	\$5.00	\$0.00	\$193.01
Ponderosa Pine									
\$108.28	\$0.56	\$1.24	\$55.02	\$2.93	\$20.16	\$0.00	\$5.00	\$0.00	\$193.19
Lodgepole Pine									
\$108.41	\$0.57	\$1.24	\$64.33	\$2.93	\$21.30	\$0.00	\$5.00	\$0.00	\$203.78

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$317.99	\$126.49	\$0.00
Sugar Pine	\$0.00	\$269.08	\$76.07	\$0.00
Ponderosa Pine	\$0.00	\$282.46	\$89.27	\$0.00
Lodgepole Pine	\$0.00	\$270.00	\$66.22	\$0.00



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date:

September 30, 2008

#### summary

	Am	ort	ize	d		
۰						

Specie	MBF	Value	Total
White Fir	. 0	\$0.00	\$0.00
Sugar Pine	0	\$0.00	\$0.00
Ponderosa Pine	0	\$0.00	\$0.00
Lodgepole Pine	0	\$0.00	\$0.00

#### Unamortized

Specie	MBF	Value	Total
White Fir	1,440	\$126.49	\$182,145.60
Sugar Pine	98	\$76.07	\$7,454.86
Ponderosa Pine	1,214	\$89.27	\$108,373.78
Lodgepole Pine	774	\$66.22	\$51,254.28

#### **Gross Timber Sale Value**

Recovery:

\$349,228.52

Prepared by: Jason Pettigrew

Phone: 541-883-5681

## Willy Nilly 341-09-20 Other Costs



						,					
	44 500					Road Maintenance	esta op			÷tte:	en cours nors
	Move-	in cost (grader):	\$	400,00							
	Num	iber of Bladings		1							
Numb	er of Mi	les to be Bladed		7.2				٠			
Mil	les / Hou	ır for equipment		0.5						•	
Cost / Hou	r (gradei	with operator):	\$	105.50							
* ***	Total	Grading Hours:		14.4							
	•	Grading Cost:	\$	1,519.20							
		Total Cost:	\$	1,919.20							
		Cost / MBF	\$	0.54	0000 VODE V 100		Marian management of the control				
				Dust A	baten	nent (Profit & Risk Included)					
PF	P & SP		MBF		37%	Average Load			) BF	336	# of Load
	WF		MBF		41%	Average Load		and the second second	) BF	360	# of Load
	LP	775	MBF		22%	Average Load		3400	BF	228	# of Load
	Total:	3,527	MBF					To	tal Loads	924	
	TE:		l .								
Assume:				ts/Day				62	Hauling	-	
		3.77	•	/ Day			<b>7</b>	- 30	<del>2</del>		mmer Hau
		15	Load	s Per Day				3.5	Hours / I	-	
								88.00	£4		
				As	summ	g/asperiod/of operation will as		90	Total Ho Move-In		
				110250127720	SOUL MALE OF	ing the summer haul periods	2	Contract to the second of Contract of the	934		
				Interestinan		2000 C	<u>\$</u> \$		_Dust Abi Total Co		Cost
							\$	=	Cost / M		
				Readil	e Pa	ini (Projitana Ristelini) tided)	-	2.29	CUST / IV	Dr.	
62	rkezaki) I	Hauling Days									
disin	CONTRACTOR	Hours / Day									
\$		Cost / Hour									
Manches and a St. Person and Association	A STATE OF TAXABLE IN	Fotal Cost	•								
\$ 2,2 \$		Cost / MBF									
-	0.00	WOULD AVAILA					<del></del>				

- \$ 1,919.20 Total Cost for Road Maintenance (\$.54 / MBF).
- \$ 10,322.00 Total Cost for Dust Abatement & Branding with P & R included (\$2.92 / MBF)

## **Summary of Project Work**



## Willy Nilly 341-09-20

Project # 1: Road Construction & Improvement	\$ 23,389.00
Project # 2: Felling, yarding, and piling of submerchantable trees and pulp wood	. \$ 7,926.00
Project # 3: Road Closures and Waterbars	. \$ 2,418.00
Project # 4: Sporax Fungicide Application	\$ 3,720.00
Total	£27 452 00

Total: \$37,453.00

## Willy Nilly 341-09-20 Other Costs



			Roa	d Maintenance					vei Voge
Move	e-in cost (grader):	S	400.00			····			
Nu	mber of Bladings		l						
Number of M	liles to be Bladed	7	.2						
Miles / Ho	our for equipment	0	.5						
Cost / Hour (grade	er with operator):	\$	105.50						
Tota	l Grading Hours:	14	.4						
	Grading Cost:	\$ 1,	,519.20						
	Total Cost:	\$ 1,	,919.20						
	Cost / MBF		0.54						
	100000000000000000000000000000000000000		Dust Abatemen	t (Profit & Risk Included)				1.00	
PP & SP	1,312	MBF	37%	Average Load		3900	BF	336	# of Loads
WF	1,440	MBF	41%	Average Load	30.00	4000	BF	360	# of Loads
LP	775	MBF	22%	Average Load		3400	BF	228	# of Loads
Total:	3,527	MBF				Tot	al Loads	924	
Assume:		Trucks/I	•		inga ingga	62	Hauling 1	-	
		Trips / I	•			30			mmer Haul
	15	Loads P	er Day			3	Hours / I	•	
					\$	endrument visite is a disease for his is	Cost / Ho		
			Assuming a	period of operation will	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	90	Total Ho		
				the summer haul period	\$	alliferica in construit and a second resident	Move-In		
				SANCES DE LA CONTRACTOR DE		7,920.00	•		Cost
					\$	8,090.00			
		San Property	D	/D=-/-2	\$	2.29	Cost / M	BF	egunaragajindêr
62	Haulia - P		oruna & Faint	(Profit and Risk Included)			Kalia Kili	Pidineki.	
THE RESIDENCE PROPERTY OF THE	Hauling Days Hours / Day								
	Cost / Hour								
	Total Cost								
	Cost / MBF								
φ 0.03	Cust / MIDF								

<sup>\$ 1,919.20</sup> Total Cost for Road Maintenance (\$.54 / MBF).

<sup>\$ 10,322.00</sup> Total Cost for Dust Abatement & Branding with P & R included (\$2.92 / MBF)

## Willy Nilly 341-09-20 Project Work



"STEWARDSHIP IN FORESTR

							"STEWARDSHIP IN FORESTRY"
400			Project 1	- 20 Road Shaping & Surfacing			
	Rock S	urfacing ~ Delive	ered	Rock Spread	ling	(Grader)	
1 1/2'	Minus	Rock Size		Number of Bladings	1000000000	3	
	0.64	Length (Miles)		Number of Miles to be Bladed	1	0.6	
	3400	Length (feet) ~ Poir	ıts A to B	Miles / Hour for equipmen	t 🧖	0.25	
	14	Width (feet)		Cost / Hour	50999999	105.50	
	4	Depth (inches)		Total Grading Hours		7.73	
	15,866.7	Cubic Feet		Grading Cost:	\$	815.23	
	587.7	Cubic Yards		_			
\$	16.20	Cost / Yard		Construct / Improve Lead O	ff Di	itch (Grader	•)
		Expansion Factor		No. of Ditches	Sangaga Length	3	,
0.0011 <b>4.</b>	764.0	Cubic Yards (Loose	e)	Hours / Ditch	ı	0.5	
	1.35	Tons/Cubic Yard		Total Hours	*INDAVAGE	1.5	
	1031.33	Tons		Cost / Hour	\$	105.50	•
	43	No. of Belly Dump	Loads	Total	\$	158.25	
\$	12:00	Price / Ton (Rock \$	8.00/ton + \$4.00	/ton delivery)			
\$	12,376.00	Total Price		Pull Ditches	/ Sh	ape Road	
				Feet / Hour	CCOMMONS.	500	
				Total Feet		3400	
				Total Hours	:	6.8	
				Cost / Hour	\$	105,50	
				Total	\$	717.40	
			_	Water Truck	c to	work with G	Frader
				Number of Hours	1000000000000	ZOMNOSTOSET SETTEMBRICA SETTEMBRICA CONTRACTOR OF LETTERS	
				Cost / Hour	Transcator.	88.00	
				Total	\$	1,320.00	
			Road Shar	oing & Surfacing Cost Summary			
		Rock Surfacing \$	12,376.00		er, weeke Alle Aller	Auto (1964) 1964 International Control of Section (1964)	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT
		Rock Spreading \$	815.23				
	Di	tch Construction \$	158.25				
		Pull Ditches \$	717.40				
		Water Truck \$	1,320.00				
		Total Cost \$	15,386.88				

## Willy Nilly

341-09-20

#### Project # 1 (Continued) Road Improvement Summary



Move-in cost Dozer \$ 400.00

Move-in cost Grader \$ 400.00

Move-in cost Excavator \$ 400.00

D-6 Dozer (\$106/hour + 26.50/hour for operator)

	Points	Distance (feet)	Feet / Hour	Hours	Cos	st / Hour	Cost
Shape to Drain*	D to I	500	1000	0.500	\$	132.50	\$ 66.25
Shape to Drain*	I to K	3350	1000	3.4	\$	132.50	\$ 443.88
Shape to Drain*	I to J	1850	1000	1.9	\$	132.50	\$ 245.13
Shape to Drain*	L to M	7600	500	15.2	\$	132.50	\$ 2,014.00
Road Blading	L to M	7600	1000	7.6	\$	105.50	\$ 801.80
Shape to Drain*	N to O	750	500	1.5	\$	132.50	\$ 198.75
Install rolling dips	P to Q	750	250	3.0	\$	105.50	\$ 316.50
				30.0		Total:	\$ 4,086.30

\*Shape to Drain: Crown with drain ditches as needed, outslope as needed, and provide adequate and appropriate ditch outs to drain road surface.

Grader (\$79/hour + \$26.50/hour for operator)

		Co.	st / Hour	Hours		Cost			
Point Z	Excavator	\$	120.00	16.0	\$	1,920.00			
X	Operator	\$	26.50	16.0	\$	424.00			
					\$	2,344.00			
aland P. Lindadad Toda	77 6 11								
placed & bladed at Poin completion of culvert	t outlet repair. L			(2 hour	s * \$.	10' culvert 18" band 30.00/hour) ire Season)	\$ \$	177.00 34.80 60.00 100.00	Quote from J.W. Kerns
	t outlet repair. L			(2 hour	s * \$.	18" band 30.00/hour)	\$ \$	34.80 60.00	Quote from J.W. Kern: Klamath Falls, OR. 6/19/08

## Willy Nilly Project Work Continued



				"STEWARDSMP IN FORESTRY"
12 (447) 13 (447)		Project #2 Fell, Skid, & Pile Subme	erchantable M	laterial
	57.00	Total Subsawlog Volume MBF	16,828	PP Green Pulp (BF)
80. 18 18 2 L S	and the second and the rest of the second second second		3,005	LP Green Pulp (BF)
\$		Fell & Skid / MBF	4,207	WF Green Pulp (BF)
\$	10.00	Sort / MBF	24,040	BF Green Pulp (Variable Plot)
\$	60.00	Total / MBF	57,000	BF Subsawlog (Fixed Plot)
\$	3,420.0	Total Cost	81,040	Total Board Feet
0.67	3775	Landing Cleanup (included wi	ith Project # 2	
	35	Number of Landings		AND
		Shovel Time: 0.5 Hours / Landing		\$ 125.00 Cost/Hour \$ 2,187.50
		Cat Time: 0.5 Hours / Landing		\$ 132.50 Cost / Hour \$ 2,318.75
20152300000				Total Cost: \$ 4,506.25
	W. T. S.	Project #3 Road Clos	sures	
		Number of Closure Points (C, D, E, F, G, H, and N)		
		Hours / Point (include travel)		
\$		Cost / Hour (Cat)		
<b></b>		Total Road Blocking Hours		
\$	927.50	Total Cost		
i		Waterbar Installation Locations on Closed Roads		
1		Hours / Point (include travel)		
\$		Cost / Hour (Cat)		
\$	1,490.63	Total Waterbar Hours		
i				
1				
		р	<b></b>	
Call Service	Annlicati	Project #4 Sporax Fungicide		
	Surface Consideration of the recognition and	on Labor (State Provides <i>Sporax</i> Product to Ope	rator)	
	31	on Labor (State Provides Sporace Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day	rator)	
S	31 5	on Labor (State Provides Sporax Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day Hours / Day	rator)	
S.	31 5 24:00	on Labor (State Provides Sporace Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day Hours / Day Cost / Hour	rator)	
\$	31 5 24:00 3,720.00	on Labor (State Provides Sporace Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day Hours / Day Cost / Hour Cost for Manual Application	rator)	
Christman and and an	31 5 24:00 3,720.00	on Labor (State Provides Sporax Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day Hours / Day Cost / Hour Cost for Manual Application Cost / MBF	rator)	
\$	31 -5 - 24:00 3,720.00 1.05	Cost / MBF  Con Labor (State Provides Sporace Product to Ope Cutting Days (Assume 8 acres per day to get 12 loads per day Hours / Day Cost / Hour  Cost for Manual Application  Cost / MBF	rator) / production)	*Costs
\$ \$	31 5 24:00 3,720.00 1.05 23,388.98	Cost / MBF  Cost Summary  Project # 1 ~ Road Construction and Improvement	rator)  / production)  Othe	r Costs  Road Maintenance
\$ \$	31 24:00 3,720.00 1.05 23,388.98 7,926.25	Cost / MBF  Cost / MBF  Cost / Summary  Project # 1 ~ Road Construction and Improvement  Project # 2 ~ Fell, Skid, & Pile Submerch. Material	production)  Othe  1,919.20	Road Maintenance
\$ \$ \$ \$	31 -5 -24:00 3,720.00 1.05 	Cost / MBF  Cost Summary  Project # 1 ~ Road Construction and Improvement	Prator)  / production)  Othe  \$ 1,919.20  \$ 8,090.00	

## Willy Nilly Cruise Report



**SALE NAME:** Willy Nilly

**<u>LEGAL DESCRIPTION</u>**: Portions of Sections 12 & 13 of T33S, R7½E, W.M., Klamath County, Oregon.

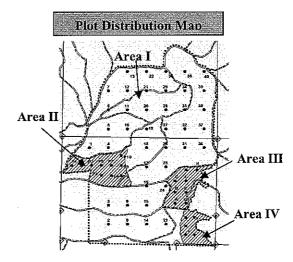
#### **BOUNDARY LINES & SALE POSTINGS:**

Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and orange flagging. Areas II, III, IV are posted with "Area Boundary" signs, marked with fluorescent orange paint, and orange flagging. Required road improvement is flagged with pink and blue and marked with blue paint on cut trees. Project points are posted in the field as marked on the Exhibit A.

FUND: 100% B.O.F.

**ACREAGE:** The timber sale was delineated into tree marking designations (cut tree versus leave tree) based upon a stand history of pre-commercial thinning. Area I was pre-commercially thinned while Areas II, III, and IV were not.

	Acres
Area I:	503
Area II:	43
Area III & IV:	55
Approximate Sale	601 acres
Acreage:	JUL ACTES



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

#### TREATMENT:

Area I is a single tree selection cut with cut trees marked in blue paint. Lodgepole pine is marked with orange paint designating leave tree for trees 5 inches and larger.

Areas II, III, and IV are single tree selection cut units with leave trees marked with orange paint for trees 5 inches and larger. All trees less than 5 inches DBH are reserved from cutting on the timber sale area.

All areas utilize group selection, single tree selection, seed tree harvest, and shelterwood to accomplish silvicultural objectives.

Wildlife trees are designated with an orange "W".

#### **CRUISE METHOD:**

Variable plot cruise with all plots being measure plots as well as 1/50<sup>th</sup> acre fixed plot cruise in Areas II, III, and IV for all submerchantable material (5.0"to 8.0"), with all plots being measure plots.

#### **BASAL AREA FACTOR:**

Туре	BAF	Type Acreage
Areas I, II, III, and IV	14 BAF	601 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. Blue wire flags with the corresponding plot number were placed for plot center and white flagging with the plot number was also attached to the nearest available tree branch.

#### **SAMPLE SIZE CALCULATIONS:**

	Timber Sal	e Area	
	CV %	Desired SE %	Acres
Area I	75	12	503
Area II	38	12	43
Area III & IV	43	12	34

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

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

Area I Number of Plots: 
$$\frac{(1)^2(75)^2}{12^2} = 40 \text{ Plots}$$

Area II Number of Plots: 
$$\frac{(1)^2(38)^2}{12^2} = 10 \text{ Plots}$$

Areas III & IV Number of Plots: 
$$\frac{(1)^2(43)^2}{12^2}$$
 = 13 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 office on Atterbury's Super Ace program.

CRUISERS: Ed Scheick and Jason Pettigrew

#### FINAL CRUISE RESULTS:

The Confidence of St.	Total Sal	e Area	
Among T. IX	CV%	SE%	Acres
Aleas I - IV	85.6	10.8	601

#### TIMBER DESCRIPTION

	Species	Average DBH	Net Volume (MBF)
	White Fir	17	1,440
Areas I, II, III, & IV	Sugar Pine	14	98
Variable Plot	Ponderosa Pine	14	1,214
	Lodgepole Pine	13	774
		Total MBF	3,526

(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 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)
Areas II, III, & IV	White Fir	12
Fixed	Ponderosa/ Sugar Pine	39
	Lodgepole Pine	6
		Total: 57 MBF

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

	Species	Green Pulp Volume (MBF)
All Areas	White Fir	4
Variable	Ponderosa Pine	17
	Lodgepole Pine	3
		Total: 24 MBF

Total Green Pulp Volume: 81 MBF

TYPE FATAS   TOP					PROJECT	STATIS	TICS			PAGE	1
128				PR		WN	ILLY			DATE	
328   7.5   13   VARIABLE   208						A					
PICOTS   TREES   TRE							001.00	63	239	1	£
TRIES	32S 7.5	13 VARIABLE	Ξ	209			ECTI (ATED	n.	DOEN IT		
TOTAL   Gall   Cours					TREES						
CRISIES   61   259   12   30,319   9		PLOTS	TREES			Γ					
CRISIES   61   259   12   30,319   9	mom										
This report is the combined statistics of the project. Actual volumes and numbers were split out by cruise area, and them summarized to better below.							20.210		^		
Number   N		01	239		Garage State	da Maria da Santa da	New Supplementation	esionello del significación del seguina del seguina del seguina del seguina del seguina del seguina del seguin	MOR INDICOTORNAL MEDICANI	KANNANGAN SERIA	Communication of the control of the
No.   Prince   Prin					This	eport is	the combine	ed statistics	of the pro	ect. Act	ual volumes and
		2			nun	ibers we	re split out l	y cruise ar	ea and the	n summa	rized to better
		2				refle	ct those area	s. Refer to	Cruise Re	port for	details.
TREES				STA	ND SUMM	IARY					
TREES		CALOTE	TREES	4170	DOLE	D.C.I	D 4 G 1 7	00.000			
PPINE											
LPPNE		rabbo	mores	<i>DD</i> 111	LLIT	DLIV	AKLA	BITAC	DITAC	CFIAC	CF/AC
WHITE F										512	
SUG PINE   12   22   13.9   31   2.3   163   163   163   164   40											
TOTAL 259 5.9.4 14.4 42 56.9 5.939 5.909 1.399 1.399 CONFIDENCE LIMINS OF THE SAMPLE THESAMPLE ERROR CONFIDENCE LIMINS OF THE SAMPLE TREES. BF SD: 1.0 VAR% S.E.% LOW AVO HIGH 5 10 15  PPINE 112.8 10.7 127 143 158 LPPINE 99.6 7.4 85 91 98 WHITEF 85.7 10.1 299 332 366 SUGPINE 93.1 28.0 82 113 145 TOTAL 115.4 7.2 168 181 194 532 133 59 CL 68.1 COEFF SAMPLE TREES. CF #OF TREES REQ. INF. POP. SD: 1.0 VAR% S.E.% LOW AVO HIGH 5 10 15  PPINE 90.0 8.6 32 35 38 SUGPINE 49.5 6.1 22 23 25 WHITEF 76.8 90.0 62 69 75 SUGPINE 88.7 26.7 22 30 38 TOTAL 96.1 6.0 39 41 44 8369 92 WHITEF 76.8 90.0 62 69 75 SUGPINE 88.7 26.7 22 30 38 TOTAL 96.1 6.0 39 41 44 8369 92 TOTAL 96.1 6.0 39 41 44 93 50 TOTAL 96.1 6.0 39 41 44 93 50 TOTAL 96.1 6.0 39 41 94 94 94 94 94 94 94 94 94 94 94 94 94											
CONFIDENCE LIMITS OF THE SAMPLE  SEL 1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR  CI. 68.1 COEFF SD: 1.0 VAR% S.E.% LOW AVG HIGH 5 10 15  PPINE 112.8 10.7 127 143 158  LP PNE 99.6 7.4 85 91 98  WHITE F 85.7 10.1 299 332 366  SUG PNE 93.1 28.0 82 113 145  TOTAL 115.4 7.2 168 181 194 532 133 59  CI. 68.1 COEFF SD: 1.0 VAR% S.E.% LOW AVG HIGH 5 10 15  PPINE 90.0 8.6 32 35 38  LP PNE 49.5 6.1 22 23 25  WHITE F 76.8 9.0 62 69 75  SUG PNE 88.7 26.7 22 30 38  TOTAL 96.1 6.0 39 41 44 369 22  FOR SUG PNE 88.7 26.7 22 30 38  TOTAL 96.1 6.0 39 41 44 369 22  FOR SD: 1.0 VAR% S.E.% LOW AVG HIGH 5 10  SD: 1.0 VAR% S.E.% LOW AVG											
C.L. 68.1 COEFF S.E. LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 IS INF								•		•	,
SD: 1.0	68.	.1 TIMES OUT	OF 100 TH	E VOLUME V	WILL BE V	VITHIN TI	HE SAMPLE ER	RROR			
SD:   1.0   VAR.%   S.E.%   LOW   AVG   HIGH   5   10   15	CL 68.1	COEFF			SAMPLI	E TREES	- BF	# (	OF TREES RI	EO.	INF. POP.
LP PINE   59.6   7.4   85   91   98   98   98   98   99   98   99   98   99   99   93   33   3	SD: 1.0	VAR.%	S.E.%	L	OW	AVG	HIGH			•	
LP PINE   59.6   7.4   85   91   98   98   98   98   99   98   99   98   99   99   93   33   3	DDINIE	112.0	10.7		127	142	150				
WHITE F											
TOTAL											
CL 68.1 COEFF SAMPLE TREES - CF SAMPLE TREES - CF SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 90.0 8.6 32 35 38 LEP INF. 90.0 62 69 75 SUG PINE 88.7 26.7 22 30 38 TOTAL 96.1 6.0 39 41 44 369 92 41 CL 68.1 COEFF TREES/ACRE # OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 150.0 18.9 17 21 25 LEP INF. 90.0 26.1 12 16 20 WHITE F 188.4 23.7 8 11 14 SUG PINE 429.3 54.0 1 2 3 TOTAL 89.8 11.3 45 50 56 322 81 36 CL 68.1 COEFF BASAL AREA/ACRE # OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS  PPINE 137.7 17.3 19 23 27 LEP INF. 90.0 15  PPINE 137.7 17.3 19 23 27 LEP INF. 90.0 15 INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS  PPINE 137.7 17.3 19 23 27 LEP INF. 90.0 15 INF. POP. SD: GRADE BASAL AREA/ACRE # OF PLOTS REQ. INF. POP. SD: GRADE BASAL AREA/ACRE # OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS  PPINE 137.7 17.3 19 23 27 LEP INF. 90.0 14 18 WHITE F 168.2 21.2 13 17 20 SUG PINE 313.7 39.5 1 1 2 3 TOTAL 78.4 9.9 51 57 63 245 61 27 CL 68.1 COEFF SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 IS  PPINE 153.7 19.3 1,652 2,049 2,445 SUG PINE 153.7 19.3 1,652 2,049 2,445 SUG PINE 153.7 19.3 1,652 2,049 1,445 SUG PINE 153.7 19.3 1,652 2,049 2,445 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 45.0 90 163 238 SUB PINE 20.8 18.8 5 417 512 606 UW AVG HIGH 5											
SD: 1.0			7.2					21 /			
PPINE			S.E.%	Lo			-	# (		-	
LP PINE											10
WHITE F											
SUG PINE   88.7   26.7   22   30   38   369   92   41   44   44   44   369   92   41   44   44   44   369   92   41   44   44   44   46   369   92   41   44   44   44   46   369   92   41   44   44   44   46   369   92   41   44   44   45   369   92   41   44   45   369   92   41   44   45   369   92   41   44   45   369   92   41   44   45   369   92   41   44   45   369											
CL 68.1 COEFF TREES/ACRE											
SD:   1.0		96.1	6.0				44				
PPINE			S E %	ĭ (			nich	# (			
LP PINE 207.0 26.1 12 16 20 WHITE F 188.4 23.7 8 11 14 SUG PINE 429.3 54.0 1 2 3 TOTAL 89.8 11.3 45 50 56 322 81 36 CL 68.1 COEFF BASAL AREA/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15 PPINE 208.2 26.2 10 14 18 WHITE F 168.2 21.2 13 17 20 SUG PINE 313.7 39.5 1 2 3 TOTAL 78.4 9.9 51 57 63 245 61 27 NET BF/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15 PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 (20.8 5.2) 5.7 5.90 6,545 292 73 32 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 PPINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 (20.8 5.272 5,909 6,545 292 73 32 CL 68.1 COEFF NET CUFT FT/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 INF. POP. SD: 1.	3D. 1.0	VAIC.70	3.D.70	L	J <b>V</b> V	AVG	поп		J	10	15
WHITE F 188.4 23.7 8 11 14 SUG PINE 429.3 54.0 1 2 3 TOTAL 89.8 11.3 45 50 56 322 81 36 CL 68.1 COEFF BASAL AREA/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 137.7 17.3 19 23 27 LP PINE 208.2 26.2 10 14 18 WHITE F 168.2 21.2 13 17 20 SUG PINE 313.7 39.5 1 2 3 TOTAL 78.4 9.9 51 57 63 245 61 27 CL 68.1 COEFF NET BF/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15 PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 226 TOTAL 85.6 10.8 5,272 5,909 6,545 292 73 32 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 POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15 POP. SUG PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 226 TOTAL 85.6 10.8 5,272 5,909 6,545 292 73 32 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											
SUG PINE											
TOTAL 89.8 11.3 45 50 56 322 81 36 CL 68.1 COEFF BASAL AREA/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 137.7 17.3 19 23 27 LP PINE 208.2 26.2 10 14 18 WHITE F 168.2 21.2 13 17 20 SUG PINE 313.7 39.5 1 2 3 TOTAL 78.4 9.9 51 57 63 245 61 27 CL 68.1 COEFF NET BF/ACRE #OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 70.8 5.272 5,909 6,545 70TAL 85.6 70TAL 8											
SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 137.7 17.3 19 23 27  LP PINE 208.2 26.2 10 14 18  WHITE F 168.2 21.2 13 17 20  SUG PINE 313.7 39.5 1 2 3  TOTAL 78.4 9.9 51 57 63 245 61 27  CL 68.1 COEFF NET BF/ACRE # OF PLOTS REQ. INF. POP.  SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 153.7 19.3 1,652 2,049 2,445  LP PINE 210.3 26.5 952 1,294 1,637  WHITE F 170.1 21.4 1,888 2,403 2,917  SUG PINE 357.6 45.0 90 163 236  TOTAL 85.6 10.8 5,272 5,909 6,545  SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 146.8 18.5 417 512 606  LP PINE 208.1 26.2 247 334 422  WHITE F 170.0 21.4 403 512 622  SUG PINE 338.5 42.6 23 40 57	TOTAL	89.8			45	50	56		322	81	36
PPINE 137.7 17.3 19 23 27  LP PINE 208.2 26.2 10 14 18  WHITE F 168.2 21.2 13 17 20  SUG PINE 313.7 39.5 1 2 3  TOTAL 78.4 9.9 51 57 63 245 61 27  CL 68.1 COEFF NET BF/ACRE #OF PLOTS REQ. INF. POP.  SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 153.7 19.3 1,652 2,049 2,445  LP PINE 210.3 26.5 952 1,294 1,637  WHITE F 170.1 21.4 1,888 2,403 2,917  SUG PINE 357.6 45.0 90 163 236  TOTAL 85.6 10.8 5,272 5,909 6,545  TOTAL 85.6 10.8 5,272 5,909 6,545  SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 146.8 18.5 417 512 606  LP PINE 208.1 26.2 247 334 422  WHITE F 170.0 21.4 403 512 622  SUG PINE 338.5 42.6 23 40 57			0.54	•				# (		•	- ·
LP PINE 208.2 26.2 10 14 18 WHITE F 168.2 21.2 13 17 20 SUG PINE 313.7 39.5 1 2 3  TOTAL 78.4 9.9 51 57 63 245 61 27 CL 68.1 COEFF NET BF/ACRE # OF PLOTS REQ. INF. POP. SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15 PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 10.8 5,272 5,999 6,545 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  PPINE 146.8 18.5 41.7 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 662 SUG PINE 338.5 42.6 23 40 57	SD: 1.0	VAR.%	S.E.%	L	JW	AVG	HIGH		5	10	15
LP PINE	–	137.7	17.3		19	23	27				
SUG PINE       313.7       39.5       1       2       3         TOTAL       78.4       9.9       51       57       63       245       61       27         CL       68.1       COEFF       NET BF/ACRE       # OF PLOTS REQ.       INF. POP.         SD:       1.0       VAR.%       S.E.%       LOW       AVG       HIGH       5       10       15         PPINE       153.7       19.3       1,652       2,049       2,445       1       15       15       10       15         PPINE       210.3       26.5       952       1,294       1,637 <th< td=""><td></td><td></td><td></td><td></td><td>10</td><td>14</td><td>18</td><td></td><td></td><td></td><td></td></th<>					10	14	18				
TOTAL         78.4         9.9         51         57         63         245         61         27           CL         68.1         COEFF         NET BF/ACRE         # OF PLOTS REQ.         INF. POP.           SD:         1.0         VAR.%         S.E.%         LOW         AVG         HIGH         5         10         15           PPINE         153.7         19.3         1,652         2,049         2,445         10         15           LP PINE         210.3         26.5         952         1,294         1,637											
CL 68.1 COEFF SD: 1.0 VAR.% S.E.% LOW AVG HIGH PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 10.8 5,272 5,909 6,545 CL 68.1 COEFF SD: 1.0 VAR.% S.E.% LOW AVG HIGH SD: 1.0 VAR.% S.E.% LOW AVG HIGH  PPINE 146.8 18.5 417 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57									245	бİ	27
PPINE 153.7 19.3 1,652 2,049 2,445 LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 10.8 5,272 5,909 6,545 292 73 32 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  PPINE 146.8 18.5 417 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57	CL 68.1	COEFF						# (			
LP PINE 210.3 26.5 952 1,294 1,637 WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236 TOTAL 85.6 10.8 5,272 5,909 6,545 292 73 32 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  PPINE 146.8 18.5 417 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57									5	10	15
WHITE F 170.1 21.4 1,888 2,403 2,917 SUG PINE 357.6 45.0 90 163 236  TOTAL 85.6 10.8 5,272 5,909 6,545 292 73 32 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  PPINE 146.8 18.5 417 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57					-	•					
SUG PINE     357.6     45.0     90     163     236       TOTAL     85.6     10.8     5,272     5,909     6,545     292     73     32       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       PPINE     146.8     18.5     417     512     606	WHITE F			1			-				
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           PPINE         146.8         18.5         417         512         606         606         LP PINE         208.1         26.2         247         334         422         401         403         512         622         502         500 <td></td>											
SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15  PPINE 146.8 18.5 417 512 606  LP PINE 208.1 26.2 247 334 422  WHITE F 170.0 21.4 403 512 622  SUG PINE 338.5 42.6 23 40 57			10.8	, :		-	•	<b>и</b> г			
PPINE 146.8 18.5 417 512 606 LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57			S.E.%	LC				# (		•	
LP PINE 208.1 26.2 247 334 422 WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57				•					-		
WHITE F 170.0 21.4 403 512 622 SUG PINE 338.5 42.6 23 40 57											
SUG PINE 338.5 42.6 23 40 57											
TOTAL 82.7 10.4 1,253 1,399 1,544 273 68 30	SUG PINE	338.5	42.6		23	40	57				
	TOTAL	82.7	10.4	i	1,253	1,399	1,544		273	68	30

## Willy Nilly Cruise Data

		" tily I tilly CI	nist L	, uiu	
		Area	I		
		Type 2	18		
Species	Camprun BF / Acre	Green Pulp BF/Acre	Acres	Total Board Feet (Camprun Net) MBF	Total Green Pulp (MBF)
White Fir	2545		503	1280.14	
Sugar Pine	156		503	78.47	
Lodgepole Pine	1271	20	503	639.31	
Ponderosa Pine	2082 6,054	20 20	503	1047.25	
	0,034		TT	3,045	
		Area	ALC: CLOSE I		
		Type 2	<u>08</u>	Total Daniel Frat (Communication	T-t-10 P.I.
Species	Camprun BF / Acre	Green Pulp BF/Acre	Acres	Total Board Feet (Camprun Net)	Total Green Pulp (MBF)
Ponderosa Pine	2,820	5/	43	121	
Lodgepole Pine	3,145	76	43	135	
White Fir	799 6,764	93 169	43	34 291	
	0,704	Type 208 (Su	hmerch		
	Species	Green Pulp BF/Acre	Acres	· · · · · · · · · · · · · · · · · · ·	Total Green Pulp
	<del>-</del>	-			(MBF)
	Ponderosa Pine	250	43		
	Lodgepole Pine White Fir	150	43		
	White Fir	100 500	43		
		500	r in a second		ARREST CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT
	Police of the property of the control of the contro	Area III .	& IV		
The state of the s	10 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	Type 2	09	anne ann an Francisco State (1975) a state a subsequent (1976) and the state of the	
Species	Camprun BF / Acre	Green Pulp BF/Acre	Acres	Total Board Feet (Camprun Net)	Total Green Pulp (MBF)
White Fir	2283		55	126	-
Ponderosa Pine	830	126	55	46	6,93
Sugar Pine	357 3470		55	20	
<del></del>	3470	<b>Type 209 (Su</b>	hmoroh	191	
	Species			9	Total Green Pulp
	-	Green Pulp BF/Acre	Acres		(MBF)
	Ponderosa Pine	462	55		
	Sugar Pine White Fir	38	55 55		
	WINGFI	154	55		
	Total D	pard Feet for Timber Sale		Camprun Sawlog (BF)	Green Pulp (MBF)
	i otal Be	Ponderosa Pine		1,214	:
		Lodgepole Pine		775	·
		White Fir		1,440	1
		Sugar Pine		98	•

3,527

T32S R7.5 S12 Ty218 503.00 T32S R7.5 S13 Ty208 43.00 T32S R7.5 S13 Ty209 55.00

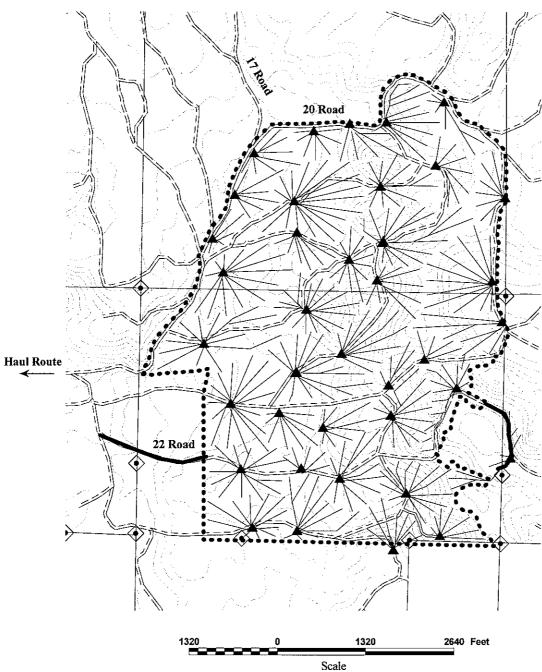
						Project: Acres	WN	ILLY 601.							Page Date	7/4/2008	
		%					Perc	ent of	Net Board Fo	oot Volu	me				Average	e Log	Logs
	S So Gr	Net	Bd. Ft.	per Acre		Total	I	og Sca	ale Dia,		Log L	ength		Ln	Bd	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	6-7	8-14	15-22 23+	12-20	21-30	31-35	36-99	Ft	Ft	Lf	/Асте
LP	CR CR	100	.8	1,299	1,289	775	39	61		12	25	37	25	28	67	0.63	19.1
LP	CR GP			5	5	3	100			100				11	10	0.27	.5
LP	Totals	22	.8	1,305	1,294	778	39	61		13	25	37	25	27	66	0.62	19.7
WF	CR CR	100	.8	2,416	2,396	1,440	15	59	26	3	8	83	6	29	134	0.99	17.9
WF	CR GP			7	7	4	100			100				12	15	0.30	.4
WF	Totals	41	.8	2,423	2,403	1,444	15	59	26	4	8	83	6	29	131	0.98	18.3
PP	CR CR	99	1.0	2,040	2,020	1,214	27	60	12	16	12	52	20	25	83	0.81	24.4
PP	CR GP	2		28	28	17	67	33		93	7			15	13	0.32	2.2
PP	Totals	35	.9	2,068	2,049	1,231	28	60	12	17	12	51	19	24	77	0.78	26.6
CD.	CD CD	100		1.62	1.62	0.0	20		12	20	13	40	20	22		0.71	2.5
SP	CR CR	100		163	163	98	30	56	13	20		48	20	23	66	0.71	2.5
SP	Totals	3	0.0	163	163	98	30	56_	13	20	13	48	20	23	66	0.71	2.5
Tot	als		0.8	5,959	5,909	3,551	25	60	15	11	13	61	15	26	88	0.79	67.1

					_	Speci	<u>ies Table Re</u>	<u>epor</u>	Ţ							
TblSpecie	s					_		-								
Table Na	me: SUNP.	ASS														
		Bark Max	ASubo Tree		Wood CuFt	Comp-		Min	Log	Log	Min	Log	Max	Log	Max	Tre
Code Abry	Description	Ratio	Const	Factor	Type	onent	Yield Table	Dia	Len	Len	Trim	Dia	Hgt.	Rule	Rule	Weigh
I PP	PPINE	.909	PP	.85	Ċ	C	PPEQUA100	3	9	20	1.0	99	200	E	1	4800 C
2 WF	WHITE F	.94	NF	.87	С	C	DFEQUA050	3	9	20	1.0	99	200	Е	1	5000 C
3 LP	LP PINE	.96	DF	.96	С	С	LPEQUA100	3	9	20	1.0	99	200	Ε	1	4800 C
4 DF	DOUG-FIR	.92	DF	.87	C	C	DFEQUA050	3	9	20	1.0	99	200	Е	1	5700 C
5 SP	SUG PINE	.87	PP	.84	С	C	PPEQUA100	3	9	20	1.0	99	200	E	1	4800 C
6 IC	INC CED	.90	SS	.8	С	C	DFEQUA050	3	9	20	1.0	99	200	Е	1	4500 C
7 RF	SH RFIR	.924	DF	.89	С	С	DFEOUA050	3	9	20	1.0	99	200	E	1	5000 C

blSo	rtGrad	e							_	<u>Sort/</u>	<u>Grae</u>	<u>de T</u>	<u>able</u>									
	Table	Name:	SUN	PASS		Max	Max Butt	Min Len	Max		Min	Vol	Min	Knot Size	Knot			Min Age		Lbs		Cord
Sort	Grd	Abry	Desc	Fbr	Dia	Dia	Butt	Len	Len	Defect	Vol	Type	Rings	Size	Freq	Str	Sap		Lbs	Type	Cords	Type
	0	CU	CULL	G	1	0	0	I	99	0	0	M	0	0	Ō			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			Ð	0		0	

#### LOGGING PLAN

#### OF TIMBER SALE CONTRACT 341-09-20 WILLY NILLY PORTIONS OF SECTIONS 12 AND 13, T33S, R7.5E, W.M., KLAMATH COUNTY, OREGON



LEGEND

1: 15,840 1 inch = 1,320 feet

Total Sale Acreage: 601 acres

Blue Marked Cut Trees (Outside of Sale)

▲ Landing

Timber Sale Boundary

/ Unsurfaced Roads

Section Lines

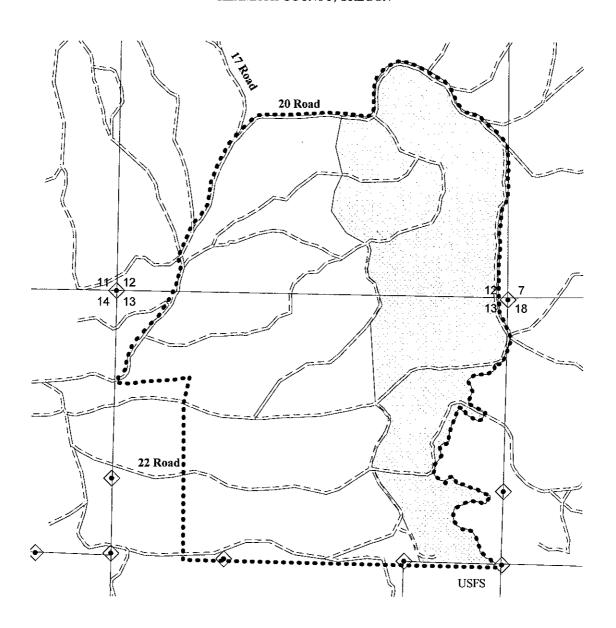
Land Survey Monument

Approximate Skid Trail Layout



#### SPORAX TREATMENT AREA

#### OF TIMBER SALE CONTRACT 341-09-20 WILLY NILLY PORTIONS OF SECTIONS 12 AND 13, T33S, R7.5E, W.M., KLAMATH COUNTY, OREGON



1320 1320 2640 Feet

> Scale 1:15,840 1 inch = 1,320 feet

#### LEGEND

Timber Sale Boundary **Unsurfaced Roads** 



Section Lines



Land Survey Monument



Sporax Treatment Area

Sporax Treatment Area: Approximately 245 acres

