

District: Klamath/Lake Date: April 09, 2013

# cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$264,046.90	\$0.00	\$264,046.90
		Project Work:	\$(25,486.27)
		Advertised Value:	\$238,560.63

4/9/13



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: April 09, 2013

## timber description

Location: Portions of Sections 28 and 29, T37S, R12E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	13	0	95

Volume by Grade	CR 14" -	CR 6" - 8	CR 8" - 1	Total
White Fir	32	720	743	1,495
Total	32	720	743	1,495

comments: Pond Values Used: 1st Quarter Calander Year 2013.

Log Markets: Klamath Falls and Medford.

For appraisal purposes Ponderosa Pine volume is not included. (approx. 5 MBF of Pondersoa Pine)

SCALING COST ALLOWANCE: = \$5.00/MBF

FUEL COST ALLOWANCE: = \$4.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$780 daily truck cost.

Other Costs (with Profit & Risk to be added): Log Branding & Painting: \$1 x 1,495 = \$1,495

Dust Abatement: \$13,810

TOTAL Other Costs (with Profit & Risk to be added): \$15,305

Other Costs (No Profit & Risk added): Humming Bird Road Use Fee \$1,509.95

TOTAL Other Costs (No Profit & Risk added) = \$1,509.95



"STEWARDSHIP IN FORESTRY"

## Timber Sale Appraisal Double C Sale 341-13-95

District: Klamath/Lake Date: April 09, 2013

## logging conditions

**combination#: 1** White Fir 95.00%

yarding distance: Medium (800 ft) downhill yarding: Yes logging system: Wheel Skidder Process: Feller Buncher

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF loads / day: 12.0 bd. ft / load: 4,000

**cost / mbf:** \$69.18

machines: Log Loader (B)

Stroke Delimber (B)

Feller Buncher w/ Delimber

Tire Skidder

combination#: 2 White Fir 5.00%

yarding distance: Medium (800 ft) downhill yarding: Yes

logging system: Track Skidder Process: Manual Falling/Delimbing tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF

loads / day: 10.0 bd. ft / load: 4,200

**cost / mbf:** \$81.10

machines: Log Loader (B)

Track Skidder



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: April 09, 2013

# logging costs

Operating Seasons: 1.00 Profit Risk: 12.00%

**Project Costs:** \$25,486.27 **Other Costs (P/R):** \$15,305.00

**Slash Disposal:** \$0.00 **Other Costs:** \$1,509.95

### Miles of Road

Road Maintenance: \$1.65

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

### **Local Pond Values**

Date	Specie	Grade	Value
4/9/12	White Fir	CR 6" - 8"	\$340.00
4/9/12	White Fir	CR 8" - 14"	\$350.00
4/9/12	White Fir	CR 14" - 22"	\$375.00



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: April 09, 2013

# logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$69.78	\$1.73	\$2.93	\$60.94	\$10.24	\$17.47	\$0.00	\$5.00	\$1.01	\$169.10

Specie	Amortization	<b>Pond Value</b>	Stumpage	Amortized
White Fir	\$0.00	\$345.72	\$176.62	\$0.00



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: April 09, 2013

## summary

### Amortized

Specie	MBF	Value	Total
White Fir	0	\$0.00	\$0.00

### Unamortized

Specie	MBF	Value	Total
White Fir	1,495	\$176.62	\$264,046.90

## **Gross Timber Sale Value**

**Recovery:** \$264,046.90

Prepared by: Todd Clement Phone: 541-883-5681

# **Summary of Project Work**



## Double C 341-13-95

Project # 1: Road Improvement \$1,590.12

**Project # 2:** Fell, Yard and Pile Submerchantable Trees \$17,298.75

Project # 3: Culvert Replacement \$4,097.40

Project # 4: Road Brushing \$2,500.00

Total: \$25,846.27

# **Double C**

341-13-95

### Other Costs



#### Road Maintenance \$400.00 Move-in cost (grader): Number of Bladings 1 Hummingbird Dr. (approximate Number of Miles to be Bladed 9.8 2.25 miles) to be bladed twice. Miles / Hour for equipment 0.5 Cost / Hour (grader with operator): \$105.50 Total Grading Hours: 19.6 Grading Cost: \$2,067.80 **Total Cost:** \$2,467.80 Cost / MBF \$1.65 Dust Abatement (Profit & Risk to be added in Appraisal) WF 1495 Average Load 4000 BF 374 # of Loads Total 1495 31 Hauling Days 31 Possible # of Summer Haul Assume: 4 Trucks/Day 5 Hours / Day \$88.00 Cost / Hour 3 Trips / Day 12 Loads Per Day 155 Total Hours \$170.00 Move-In for Water Truck \$13,640.00 Dust Abatement Cost \$13,810.00 Total Cost \$9.24 Cost / MBF Brand & Paint (Profit and Risk to be added in Appraisal) 31 Hauling Days 1.5 Hours / Day \$24.00 Cost / Hour \$1,116 **Total Cost** Cost / MBF \$0.75 Other Costs with Profit and Risk Included \$13,810.00 Total Cost for Dust Abatement \$9.24 per MBF \$0.75 per MBF Total Cost for Branding \$1,116.00 **Total Other Costs** \$9.98 per MBF \$14,926.00 Other Costs without Profit and Risk Included 1.01 per MBF Hummingbird Road Use Fee

\$1,509.95 Total Road Use Fee

# **Double C**

# 341-13-95

# **Project Work**



		1	Project #1 Road	! Improven	ient		
Move-in Cost Dozer	\$400.00						
T			Road Impr	ovement			
Improvement	Points Di	stance (feet)	Feet/Hour	Hours	Cost/Hour	Cost	
Open/Clear/Shape	A to B	8,982	1,000	9.0	\$132.50	\$1,190.12	
Open/Creat/Shape	Atob	0,902	1,000	9.0	Total	\$1,190.12	=
					Total	ψ1,170.12	
			Project #1 Co	st Summar	y		
Move in	\$400.00		-				
Open/Clear/Shape	\$1,190.12						
Project # 1 Total	\$1,590.12						
	D.	:	II CL: 1 1 D:1	. C1	l4	,	
	P1	oject#2 Fe	u, Skia ana Pue	e Submerci	hantable Material		
	Total Sub-Sawlog Volum	ne	\$269.00	MBF			
	Fell and Skid/MBF		\$50.00				
	Sort/MBF		\$10.00	-			
	Total		\$16,140.00 \$10.80	=			
	Total Cost Per/MBF		\$10.80  Landing	Cleanun			
9	Number of Landing	nc	Lunuing	Сиейпир			
,	Shovel Time:	0.5	Hours / Landing		Cost / Hour	\$125.00	Total Cost: \$562.50
	Cat Time:	0.5	Hours / Landing		Cost / Hour	\$132.50	Total Cost: \$596.25
			_				<b>Total Cost:</b> \$1,158.75
			Project #2 Sun	•			
	Total Fell, Skid and		hantable Material		6,140.00		
	Total Landing Clea Total Project #2	inup			1,158.75 7,298.75		
	Total Per/MBF				\$11.57		
	10001101/111111	P	roject #3 Culve		·		
Move in Cost Exc	cavator \$400.00		Cost / Hour	Hours	Cost		
		Excavator	\$ 120.00	8.0	\$ 960.00	Q	Quote from J.W. Kerns,
		Operator	\$ 26.50	8.0	\$ 212.00		Klamath Falls, OR.
		•		Total Cost:	\$ 1,172.00		02/19/2013
				24" x 54' Po	olyethylene Culvert	\$1,349.30	4
					lyethylene Culvert	\$459.60	
				ıs 3/4- beddi	ng rock (delivered)	\$240.00	
					ice rock (delivered)	\$240.00	
				•	face rock (3 hours)	\$316.50	
			Labor for (	Culvert (4 ho	ours * \$30.00/hour)	\$120.00	
					Culvert Disposal	\$100.00	
					ource (Fire Season)	\$100.00	-
			D •		for Culvert Repair:	\$2,925.40	
			Project #3 Sun	-			
	Total Cost for Exca			\$1,172.00			
	Total Cost for Labo		ls	\$2,925.40			
	Total Cost for Project	ect #3		\$4,097.40			
	Total Cost/MBF			\$2.74			

# **Double C**

## 341-13-95

## **Project Work**



### Project #4 Road Brushing Summary

3.1 Miles of Brushing

25 Hours of Excavator time

\$100.00 Move-in cost

\$2,500.00 Total Cost Project # 4

\$1.67 per MBF

### Cost Summary All Projects

\$1,590.12 Project # 1 - Road Improvement

\$17,298.75 Project # 2 - Fell, Skid and Pile Submerchantable Material and Landing Slash Piling

\$4,097.40 Project #3 - Culvert Replacement

\$2,500.00 Project #4 - Road Brushing

\$25,486.27 Total Project Work Cost

\$17.05 per MBF

# Double C 341-13-95 Cruise Report



**SALE NAME:** Double C

### **LEGAL DESCRIPTION:**

Township 37S, R12 E, Portions of Sections 28 and 29 W.M., Klamath County, Oregon.

### **BOUNDARY LINES:**

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

#### **FUND**:

100% CSL

#### **ACREAGE**:

The timber sale was delineated into 2 types based on differences in stocking and volume. Road 830-00 was the approximate boundary between the types.

Area I, Type 407 179 Acres
Area II, Type 407 51 Acres

Approximate Total Sale Acreage: 230 Acres

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

### **TREATMENT**:

The treatment in Area I is a diameter limit cut, with all unmarked white fir greater than 5.0 inches dbh and 50% or greater net sawlog volume to be cut. All white fir trees less than 5.0 inches dbh up to 15.0 inches dbh in groups with 4 more trees, with a live crown ratio of 60% and greater on the south side are reserved from cutting. Also all white fir trees greater than 30.0 inches dbh. A minimal amount of ponderosa pine is cut tree marked with blue paint, all other pine is reserved from cutting.

The treatment in Area II is a diameter limit cut, with all unmarked white fir trees greater than 10.0 inches dbh and 50% or greater net sawlog volume to be cut. All white fir trees less than 10.0 inches dbh, all white fir trees greater than 30.0 inches dbh, and all pine trees are reserved from cutting.

### **CRUISE METHOD:**

Area I. Variable Plot cruise with all plots being measure plots.

Area I. Fixed Plot cruise for all submerchantable material (5.0" to 9.0") dbh.

Area II. Variable Plot cruise with all plots being measure plots.

### **BASAL AREA FACTOR:**

Area	BAF	Type Acreage
Area I	10 BAF	179 acres
Area II	14 BAF	51 acres

#### **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:**

Area	CV%	DESIRED SE%	ACRES
I	61	13	179
II	61	13	51

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

Total Sale Area 
$$N = \frac{(1)^2(61)^2}{(13)^2} = 22 \text{ Plots}$$
 Took 25 Plots

Took 15 Plots in Area I

Took 10 Plots in Area II

Measurements and Grading:

- DBH and Height were measured on all "in" trees in the plot.
- All plots were measure plots
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.

### 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:**

Area I: 9.0 inches DBH Area II: 10.0 inches DBH

#### **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 DBH.

### **VOLUME COMPUTATION:**

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

**CRUISERS:** Todd Clement, Jon Fitch, and Mike Dwyer, December 2012.

### **FINAL CRUISE RESULTS:**

Area	CV%	SE%	ACRES
I	55	14.6	179
II	72	24	51
COMBINED	64	12.5	230

### **TIMBER DESCRIPTION**

### **SAWLOG VOLUME:**

This volume was obtained from the variable plot cruise. All material graded camprun. See grade table for minimum standards.

### **TOTAL SAWLOG VOLUME**

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	13.2	1561	1495
Ponderosa Pine	15.5	5	5*

## **TOTAL NET SAWLOG VOLUME: 1495 MBF**

## \*For Appraisal Purposes Ponderosa Pine Volumes not included

### **Submerchantable Material VOLUME:**

This volume was obtained from the fixed plot cruise (5.0" - 9.0" DBH).

_	Species	Fixed Plot Vol.
	White Fir	269

4

TC PS	TATS				PR(	PAGE DATE	1 2/27/2013					
ГWР	RGE	SC	TRACT	7	ГҮРЕ		AC	CRES	PLOTS	TREES	CuFt	BdFt
37S 37S	12E 12E	29 29	AREA1 AREA2		0001 0002			230.00	25	166	1	Е
						TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
		]	PLOTS	TREES		PER PLOT		TREES		TREES		
	ISE COUNT DREST		25 24	166 166		6.6 6.9		16,391		1.0		
BLAN 100 %	NKS		1									
					STA	ND SUM	MARY					
			AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
WHIT	ГЕ Г		TREES 165	/ACRE 70.9	DBH 13.2	LEN 42	DEN 18.5	AREA 67.4	BF/AC 6,789	6,498	CF/AC 1,537	1,537
PPIN	E		1	.4	15.5	42	0.1	.5	24	24	6	6
TOT	AL		166	71.3	13.2	42	18.7	67.9	6,813	6,521	1,544	1,544
CON				THE SAMPI T OF 100 T		ME WILL	BE WIT	HIN THE SA	MPLE ERRO	OR		
CL	68.1		COEFF			SAMPL	E TREE	S - BF	#	OF TREES	REQ.	INF. POP.
~					_							
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WHIT	ΓE F E				I	.OW	AVG	HIGH		5 237	10 59	15 26
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WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL CL CL	68.1 68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.% 65.3  65.4  COEFF VAR.% 72.1 500.0 71.4  COEFF VAR.% 64.8 500.0	6.0  S.E.%  5.1  S.E.%  14.7  102.1  14.6  S.E.%  13.2  102.1	I	28  TREES/ .OW 60  BASAL .OW 58	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68	HIGH 140  139  S - CF HIGH 31  41  HIGH 81 1 82  ACRE HIGH 76 1	#	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43	26 INF. POP. 15 INF. POP. 15 24 INF. POP. 15
WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL SD: WHIT SD: WHIT SD: WHIT SD: WHIT SD: WHIT SD: WHIT PPINI TOTAL SD: WHIT SD: WHI	68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.% 65.3  65.4  COEFF VAR.% 72.1 500.0 71.4  COEFF VAR.% 64.8 500.0 63.9  COEFF VAR.% 67.6	6.0  6.0  S.E.%  5.1  5.1  S.E.%  14.7 102.1 14.6  S.E.%  13.2 102.1 13.0  S.E.%  13.8	I	124  124  SAMPL OW 28  28  TREES/ OW 60  61  BASAL OW 58  59  NET BE	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  VACRE AVG 6,498	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  ACRE HIGH 76 1 77  HIGH 7,394	#	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10	26 INF. POP. 15 INF. POP. 15 INF. POP. 15 INF. POP.
WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL SD: WHIT PPINI TOTAL SD: WHIT PPINI P	68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.% 65.3  65.4  COEFF VAR.% 72.1 500.0 71.4  COEFF VAR.% 64.8 500.0 63.9  COEFF VAR.% 67.6 500.0	6.0  S.E.%  5.1  S.E.%  14.7  102.1  14.6  S.E.%  13.2  102.1  13.0  S.E.%  13.8  102.1		28 28 28 TREES/OW 60 61 BASAL OW 58 59 NET BE	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  VACRE AVG 6,498 24	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  CRE HIGH 76 1 77  HIGH 7,394 48	#	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5  170  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10	26 INF. POP. 15 INF. POP. 15 INF. POP. 15 INF. POP. 15
WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL S	68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.%  65.3  65.4  COEFF VAR.%  72.1  500.0  71.4  COEFF VAR.%  64.8  500.0  63.9  COEFF VAR.%  67.6  500.0  67.2	6.0  6.0  S.E.%  5.1  5.1  S.E.%  14.7 102.1 14.6  S.E.%  13.2 102.1 13.0  S.E.%  13.8		28 28 TREES/ .OW 60 61 BASAL .OW 58 59 NET BE .OW 5,601 5,627	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  7/ACRE AVG 6,498 24 6,521	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  ACRE HIGH 76 1 77  HIGH 7,394 48 7,415	###	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5  170  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10  43 AFREQ. 10  47	26 INF. POP. 15 INF. POP. 15 INF. POP. 15 19 INF. POP. 15 21
WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL CL	68.1 1.0 68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.%  65.3  65.4  COEFF VAR.%  72.1  500.0  71.4  COEFF VAR.%  64.8  500.0  63.9  COEFF VAR.%  67.6  500.0  67.2  COEFF	6.0  S.E.%  5.1  S.E.%  14.7 102.1 14.6  S.E.%  13.2 102.1 13.0  S.E.%  13.8 102.1 13.7		124  124  SAMPL OW 28  28  TREES/ OW 60  61  BASAL OW 58  59  NET BE OW 5,601  5,627  NET CU	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  7/ACRE AVG 6,498 24 6,521	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  ACRE HIGH 76 1 77  HIGH 7,394 48 7,415  ACRE	###	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5  170  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10  47 REQ.	26 INF. POP. 15 INF. POP.
WHIT PPINI TOTAL CL SD: WHIT PPINI TOTAL SD:	68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.% 65.3  65.4  COEFF VAR.% 72.1 500.0 71.4  COEFF VAR.% 64.8 500.0 63.9  COEFF VAR.% 67.6 500.0 67.2  COEFF VAR.%	6.0  6.0  S.E.%  5.1  5.1  S.E.%  14.7 102.1 14.6  S.E.%  13.2 102.1 13.0  S.E.%  13.8 102.1 13.7  S.E.%		124  124  SAMPL OW 28  28  TREES/ OW 60  61  BASAL OW 58  59  NET BF OOW 5,601  5,627  NET CU	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  7/ACRE AVG 6,498 24 6,521  JFT FT/A AVG	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  ACRE HIGH 76 1 77  HIGH 7,394 48 7,415  ACRE HIGH	###	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5  170  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10  43 AFREQ. 10  47	26 INF. POP. 15 INF. POP. 15 INF. POP. 15 19 INF. POP. 15 21
WHITI PPINI TOTA  CL SD: CL SC CL	68.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		76.8  77.0  COEFF VAR.%  65.3  65.4  COEFF VAR.%  72.1  500.0  71.4  COEFF VAR.%  64.8  500.0  63.9  COEFF VAR.%  67.6  500.0  67.2  COEFF	6.0  S.E.%  5.1  S.E.%  14.7 102.1 14.6  S.E.%  13.2 102.1 13.0  S.E.%  13.8 102.1 13.7		124  124  SAMPL OW 28  28  TREES/ OW 60  61  BASAL OW 58  59  NET BE OW 5,601  5,627  NET CU	AVG 132  131  E TREE AVG 30  29  ACRE AVG 71 0 71  AREA/A AVG 67 1 68  7/ACRE AVG 6,498 24 6,521	HIGH 140  139  S - CF HIGH 31  31  HIGH 81 1 82  ACRE HIGH 76 1 77  HIGH 7,394 48 7,415  ACRE	###	237  # OF TREES 5  171  # OF PLOTS 5  212  # OF PLOTS 5  170  # OF PLOTS 5	59 REQ. 10  43 REQ. 10  53 REQ. 10  43 REQ. 10  47 REQ.	26 INF. POP. 15

TC PL	TC PLOGSTVB Log Stock Table - MBF																							
T37S R12E S29 Ty0001 179.00 T37S R12E S29 Ty0002 51.00								Proj Acre		DBI	LC 230.00							Page 1 Date 2/27/2013 Time 9:15:46A						
;	s	So (	Gr	Log	Gross	Def	Net	Net Volume by Scaling Diameter in Inches																
Spp	T	rt	de	Len	MBF	%	MBF	Spc	2-3	4-5	6-8	9-10	11-12	13-14	15-16	17-19	20-21	22-29	30-39	40+				
WF		CR	CR	. 17	152	5.6	144	9.6			107	18	16	4										
WF		CR	CR	. 26	161	7.9	148	9.9			106	32	10											
WF		CR	CR	. 34	1,249	3.7	1,203	80.5			507	250	327	88	2	30								
WF		7	otals	3	1,561	4.3	1,494	99.6			720	300	352	91	2	30								
PP		CR	CR	. 17	5		5					5												
PP		7	otals	3	5		5	.4				5												
Total		All S	peci	es	1,567	4.3	1,500				720	306	352	91	2	30								

## **Species Table Report**

TblSpecies Date: 02/27/2013

Page: 1

**Table Name:** SUNPASS

Code Abry	<b>Description</b>	Bark Ratio	ASubo Const	Form Factor	Wood Type	Comp- onent	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	Р	C	PPEQUA100	3	9	20	1.0	99	200	Е	1	4800
2 WF	WHITE F	.94	NF	.87	W	Č	DFEQUA050	3	9	20	1.0	99	200	Ē	1	5000
3 LP	LP PINE	.96	DF	.9	P	C	LPEQUA100	3	9	20	1.0	99	200	E	1	4800
4 DF	DOUG-FIR	.92	DF	.87	D	C	DFEQUA050	3	9	20	1.0	99	200	E	1	5700
5 SP	SUG PINE	.87	PP	.84	P	C	PPEQUA100	3	9	20	1.0	99	200	E	1	4800
6 IC	INC CED	.90	SS	.80	C	C	DFEQUA050	3	9	20	1.0	99	200	E	1	4500
7 RF	SH FIR	924	DF	89	W	C	DFEOUA050	3	9	20	1.0	99	200	E	1	5000

Tbl Sort Grade

# **Sort/Grade Table**

**Table Name:** SUNPASS **Date:** 02/27/2013

Sort	Grd	Abr	Desc	Fbr		Max Dia	Max Butt		Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot Size	Knot Freq	Str Sa	Min p 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	GRNPULF	G	3	0	0	10	99	0	0	M	0	0	0		0	0	0	
	8	DP	DEADPUI	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	

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