

District: Klamath/Lake Date: July 23, 2014

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$120,197.12	\$0.00	\$120,197.12
		Project Work:	\$(5,688.25)
		Advertised Value:	\$114,508.87

7/23/14



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

timber description

Location: Portions of Sections 20, 28, & 29, T32S, R7.5E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	21	0	95
Sugar Pine	22	0	95
Ponderosa Pine	14	0	95
Lodgepole Pine	12	0	95

Volume by Grade	Camprun	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
White Fir	0	119	15	16	60	210
Sugar Pine	0	3	5	0	6	14
Ponderosa Pine	0	119	52	133	116	420
Lodgepole Pine	2	0	0	0	0	2
Total	2	241	72	149	182	646



"STEWARDSHIP IN FORESTRY"

July 23, 2014 Klamath/Lake Date: District:

comments: Pond Values Used: 2nd Quarter Calendar Year 2014.

Log Markets: Klamath Falls and Medford.

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 and Painting = \$468

Dust Abatement = \$2,634

TOTAL Other Costs (with Profit & Risk to be added) = \$3,102

Other Costs (No Profit & Risk added):

None.

7/23/14 3



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

logging conditions

combination#: 1 White Fir 15.00%

Ponderosa Pine 40.00% Lodgepole Pine 100.00%

yarding distance:Medium (800 ft)downhill yarding:Yeslogging system:Wheel SkidderProcess:Feller Bunchertree size:Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 10.0 bd. ft / load: 4,000

cost / mbf: \$83.02

machines: Log Loader (B) Stroke Delimber (B)

Feller Buncher w/ Delimber

Tire Skidder

combination#: 2 White Fir 85.00%

Sugar Pine 100.00% Ponderosa Pine 60.00%

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: 4,500

cost / mbf: \$75.69

machines: Log Loader (B)

Track Skidder



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

logging costs

Operating Seasons: 1.00 Profit Risk: 12.00%

Project Costs: \$5,688.25 **Other Costs (P/R):** \$3,102.00

Slash Disposal: \$0.00 Other Costs: \$0.00

Miles of Road

Road Maintenance: \$2.25

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	4.3
Sugar Pine	\$0.00	3.0	4.0
Ponderosa Pine	\$0.00	3.0	4.2
Lodgepole Pine	\$0.00	3.0	4.0



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

Local Pond Values

Date	Specie	Grade	Value
7/23/14	White Fir	CR 6" - 8"	\$375.00
7/23/14	White Fir	CR 8" - 14"	\$385.00
7/23/14	White Fir	CR 14" - 22"	\$405.00
7/23/14	White Fir	CR 22"+	\$425.00
7/23/14	Sugar Pine	CR 8" - 14"	\$320.00
7/23/14	Sugar Pine	CR 14" - 22"	\$370.00
7/23/14	Sugar Pine	CR 22"+	\$410.00
7/23/14	Ponderosa Pine	CR 6" - 8"	\$280.00
7/23/14	Ponderosa Pine	CR 8" - 14"	\$325.00
7/23/14	Ponderosa Pine	CR 14" - 22"	\$380.00
7/23/14	Ponderosa Pine	CR 22"+	\$425.00
7/23/14	Lodgepole Pine	Camprun	\$325.00



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$76.79	\$2.36	\$6.79	\$56.69	\$4.80	\$17.69	\$0.00	\$5.00	\$0.00	\$170.12
Sugar Pin	Sugar Pine								
\$75.69	\$2.36	\$6.79	\$60.94	\$4.80	\$18.07	\$0.00	\$5.00	\$0.00	\$173.65
Ponderos	Ponderosa Pine								
\$78.62	\$2.36	\$6.79	\$58.03	\$4.80	\$18.07	\$0.00	\$5.00	\$0.00	\$173.67
Lodgepole Pine									
\$83.02	\$2.36	\$6.79	\$60.94	\$4.80	\$18.95	\$0.00	\$5.00	\$0.00	\$181.86

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$398.43	\$228.31	\$0.00
Sugar Pine	\$0.00	\$362.86	\$189.21	\$0.00
Ponderosa Pine	\$0.00	\$338.71	\$165.04	\$0.00
Lodgepole Pine	\$0.00	\$325.00	\$143.14	\$0.00



"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake Date: July 23, 2014

summary

Amortized

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	210	\$228.31	\$47,945.10
Sugar Pine	14	\$189.21	\$2,648.94
Ponderosa Pine	420	\$165.04	\$69,316.80
Lodgepole Pine	2	\$143.14	\$286.28

Gross Timber Sale Value

Recovery: \$120,197.12

Prepared by: Ed Scheick Phone: 541-883-5681

Summary of Project Work



Beaver Tail 341-15-47

Project # 1: Road Improvement / Construction \$1,208.25

Project # 2: Fell, Skid, & Pile Submerchantable \$2,280.00

Project # 3: Shovel Piling \$2,200.00

Total: \$5,688.25

Beaver Tail 341-15-47



Additional Costs

	Road Mainte
Move-in cost (grader):	\$400.00
Number of Miles to be Bladed:	5.0
Number of Bladings:	1
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	\$105.50
Total Grading Hours:	10
Grading Cost:	\$1,055.00
Total Cost:	\$1,455.00

Cost / MBF:

\$2.25 Brand & Paint (Profit and Risk to be added in Appraisal)

13 Hauling Days 1.5 Hours/Day \$24.00 Cost/Hour

\$468.00 Total Cost

\$0.72 Cost/MBF

	Dust Abatement (Profit & Risk to be added in Appraisal)							
	PP	420	MBF	65%	Average Load	4.2 MBF	No. of Loads	100
	WF	210	MBF	33%	Average Load	4.4 MBF	No. of Loads	48
	LP	2	MBF	0%	Average Load	4.0 MBF	No. of Loads	1
	SP	14	MBF	2%	Average Load	4.0 MBF	No. of Loads	4
T	otal:	646	MBF				Total Loads	153

4 Trucks/Day Assume:

3 Trips/Day 7 Days of Dust Abatement 12 Loads per Day 4 Hours/Day

13 Hauling Days \$88.00 Cost/Hour 28 Total Hours

\$170.00 Move in for Water Truck \$2,634.00 Dust Abatement Cost

\$2,634.00 Total Cost \$4.08 Cost/MBF

Other Costs Summary

Log Branding and Painting: \$468.00 **Dust Abatement** \$2,634.00 Total Cost: \$3,102.00

Project #1 Road Improvement/Road Construction

Move in Cost Dozer: \$400.00

Improvement	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Grub/Clear/Shape	A to B	400	200	2.0	\$132.50	\$265.00
Open/Clear/Shape	B to C	440	1000	0.4	\$132.50	\$53.00
Open/Clear/Shape	B to D	640	1000	0.6	\$132.50	\$79.50
Open/Clear/Shape	E to F	1900	1000	1.9	\$132.50	\$251.75
Open/Clear/Shape	G to H	1200	1000	1.2	\$132.50	\$159.00
	Total	4,580			Total	\$808.25
				Grand Total with	n Move in	\$1,208.25

Project #1 Summary											
Equipment Costs(Move in)	\$400.00										
Open/Clear Shape	\$808.25										
Project #2 Total	\$1,208.25										
per MBF	\$1.87										
Project #2 Fell, Yarding, and Piling of	Submerchant	able Material									
Total Sub-Sawlog Volume:	38	MBF									
Fell and Skid and sort/MBF:	\$60.00										
Total:	\$2,280.00										
per MBF	\$3.53										
Project #3 Shovel	Project #3 Shovel Piling										

Move in Cost for Shovel: \$400

Treatment Acres	Cost/Acre	Total Cost
15	\$120.00	\$1,800.00

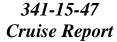
Project #3 Summary

Shovel Piling Total \$2,200.00 per MBF \$3.41

Cost Summary All Projects

er MBF
Γotal
Project #3
Project #2
Project #1

BEAVER TAIL





SALE NAME: Beaver Tail

LEGAL DESCRIPTION:

Portions of Sections 20, 28, and 29, T32S, R7½E, 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. The timber sale boundary is not posted along the 5 road.

FUND:

100% BOF

ACREAGE:

The timber sale consists of 1 area, stand 126, total 163 acres.

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

TREATMENT:

Entire sale area is a single tree selection cut with cut trees marked with blue paint for trees 5.0 inches dbh and larger. All trees less than 5.0 inches dbh are reserved from cutting in sale area.

CRUISE METHOD:

Variable plot cruise with a ratio of 1 count plot for every measure plot. Fixed plot cruise for all submerchantable material (5.0" to 9.0") DBH.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area I	5 BAF	163 acres

PLOT DESIGNATION:

Plot centers were established at every plot with blue flag wire stakes with the corresponding plot number. Blue and white candy stripe flagging was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

AREA	CV%	DESIRED SE %	ACRES
Area I	75	13	163

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
$$N = \frac{(1)^2(75)^2}{(13)^2} = 33 \text{ plots}$$
 Took 33 plots

Measurements and Grading:

- DBH and Height were measured on all "in" trees for measure plots.
- Ratio of 1 count plot for every measure plot.
- 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 9" DBH).

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:

9.0" DBH for sawlog volume. 5.0" DBH for submerchantable material.

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: Ed Scheick, Todd Clement, Sara Stack.

AME DOIL

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area I	50	9	163

TIMBER DESCRIPTION

SAWLOG VOLUME:

CDECIEC

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

SPECIES	AVE. DDH	GROSS VOL (MBF)	NET VOL (MBF)
Ponderosa Pine	14.2	425	420
White Fir	20.6	214	210
Sugar Pine	21.9	14	14
Lodgepole Pine	12.2	2	2

CDOSS VOL (MDE) NET VOL (MDE)

TOTAL NET SAWLOG VOLUME: 646 MBF

GREEN PULP VOLUME:

This volume was obtained from the fixed plot cruise $(5.0" - 9.0" \, DBH)$ and trees from the variable plot cruise (greater than 9.0" DBH) that did not meet sawlog standards. All material was graded green pulp, see grade table for minimum standards.

SPECIES	VOLUME
Ponderosa Pine	33
White Fir	5

TOTAL GREEN PULP VOLUME: 38 MBF

					ST PROJEC	TATIST	ICS BTAIL			PAGE DATE	1 5/19/2014
TWP RG	E SECT	TR	ACT		ТҮРЕ		RES	PLOTS	TREES	CuFt	BdFt
032 007		126			VARI	110	163.00	33	220	1	E
002	7 20	120		,	TREES		ESTIMATED TOTAL	1	PERCENT SAMPLE	1	L
	PLOT	rs	TREES		PER PLOT		TREES		TREES		
TOTAL		33	220		6.7						
CRUISE		17	107		6.3		4,347		2.5		
DBH COUN	T										
REFOREST											
COUNT		16	113		7.1						
BLANKS 100 %											
100 /0				STAN	ND SUMMA	ARY					
	SAMPL	Æ	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREE	ES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
PPINE		77	23.2	14.2	40	6.8	25.5	2,647	2,621	573	573
WHITE F		27	3.1	20.6	60	1.6	7.1	1,312		247	
SUG PINE		2	.2	21.9	44	0.1	.6	87		17	
LP PINE		1	.2	12.2	31	0.0	.2	9		3	
TOTAL		107	26.7	15.1	42	8.6	33.3	4,054	4,005	840	840
	NCE LIMITS (58.1 TIMES (LUME WIL	L BE WITI	HIN THE S	SAMPLE ERRO	OR			
CL: 68.1	1 % C	OEFF			SAMPLE	TREES -	BF	;	# OF TREES	REQ.	INF. POP.
SD: 1.0) V	AR.%	S.E.%	LC	OW	AVG	HIGH		5	10	15
PPINE		152.6	17.4		258	313	367				
WHITE F SUG PINE	,	66.9 115.6	13.1 108.3		535	616 930	697 1,938				
LP PINE		113.0	106.5			930	1,936				
TOTAL	1	22.9	11.9		351	399	446		605	151	67
CL: 68.1	1 % C	OEFF			SAMPLE	TREES -	CF		# OF TREES	REO.	INF. POP.
00.1	1	OEFF AR.%	S.E.%	LO	SAMPLE OW	TREES -	CF HIGH	;	# OF TREES	•	INF. POP.
00.1) V		S.E.% 14.5	LC				;	# OF TREES	REQ.	INF. POP.
SD: 1.0 PPINE WHITE F) V	YAR.% 127.7 54.4	14.5 10.7	LC	OW	59 113	HIGH 67 125	;		•	
SD: 1.0 PPINE WHITE F SUG PINE) V	AR.% 127.7	14.5	LC	50	AVG 59	HIGH 67	;		•	
SD: 1.0 PPINE WHITE F SUG PINE LP PINE) V	YAR.% 127.7 54.4 115.4	14.5 10.7 108.2	LC	50 101	59 113 180	HIGH 67 125 374	:	5	10	15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL) V	YAR.% 127.7 54.4 115.4 05.7	14.5 10.7	ro	50 101 67	59 113 180 74	HIGH 67 125		5	10	50
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1) V	7AR.% 127.7 54.4 115.4 05.7	14.5 10.7 108.2 10.2		50 101 67 TREES/A	59 113 180 74	HIGH 67 125 374 82		5 447 # OF PLOTS	112 REQ.	15 50 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0) V	7AR.% 127.7 54.4 115.4 05.7 COEFF	14.5 10.7 108.2 10.2		50 50 101 67 TREES/A	59 113 180 74 ACRE AVG	HIGH 67 125 374 82 HIGH		5	10	50
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1	1 1 % CC	7AR.% 127.7 54.4 115.4 05.7	14.5 10.7 108.2 10.2		50 101 67 TREES/A	59 113 180 74	HIGH 67 125 374 82		5 447 # OF PLOTS	112 REQ.	15 50 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE	1 1 % CC	7AR.% 127.7 54.4 1115.4 05.7 COEFF 7AR.%	14.5 10.7 108.2 10.2 S.E.%		50 101 67 TREES/A	AVG 59 113 180 74 ACRE AVG 23	HIGH 67 125 374 82 HIGH 27		5 447 # OF PLOTS	112 REQ.	15 50 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE	1 1 % C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0		50 101 67 TREES/A DW 20 2 0 0	AVG 59 113 180 74 ACRE AVG 23 3 0 0	HIGH 67 125 374 82 HIGH 27 4 0 0		5 447 # OF PLOTS 5	10 112 REQ. 10	50 INF. POP. 15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE LP PINE TOTAL	1 % CC	7AR.% 127.7 54.4 115.4 05.7 COEFF 7AR.% 87.6 123.7 342.5 574.5 71.2	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6		50 101 67 TREES/A DW 20 2 0	AVG 59 113 180 74 ACRE AVG 23 3 0	HIGH 67 125 374 82 HIGH 27 4 0		5 447 # OF PLOTS	112 REQ.	15 50 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE	1 % CC	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0		50 101 67 TREES/A DW 20 2 0 0 23	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI	HIGH 67 125 374 82 HIGH 27 4 0 0 30	;	5 447 # OF PLOTS 5	110 112 REQ. 10	50 INF. POP. 15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0	1 % C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5 71.2 OEFF VAR.%	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.%	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG	HIGH 67 125 374 82 HIGH 27 4 0 0 30 REE HIGH	;	5 447 # OF PLOTS 5	110 112 REQ. 10	50 INF. POP. 15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE	1 % C 1 % C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5 71.2 OEFF VAR.% 66.3	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.%	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28	;	5 447 # OF PLOTS 5 203 # OF PLOTS	112 REQ. 10 51 REQ.	15 50 INF. POP. 15 23 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F WHITE F WHITE F WHITE F WHITE F SUG PINE LP PINE TOTAL	1 % C 1 % C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5 71.2 OEFF VAR.% 66.3 142.6	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG	HIGH 67 125 374 82 HIGH 27 4 0 0 30 REE HIGH	;	5 447 # OF PLOTS 5 203 # OF PLOTS	112 REQ. 10 51 REQ.	15 50 INF. POP. 15 23 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE	1 % C 1 % C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5 71.2 OEFF VAR.% 66.3	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.%	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9	;	5 447 # OF PLOTS 5 203 # OF PLOTS	112 REQ. 10 51 REQ.	15 50 INF. POP. 15 23 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE UP PINE TOTAL SD: 1.0	1 1 % C C C C C C C C C C C C C C C C C	7AR.% 127.7 54.4 115.4 05.7 OEFF 7AR.% 87.6 123.7 342.5 574.5 71.2 OEFF 7AR.% 66.3 142.6 342.5	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1	;	5 447 # OF PLOTS 5 203 # OF PLOTS	112 REQ. 10 51 REQ.	15 50 INF. POP. 15 23 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1	1 % CC) V	7AR.% 127.7 54.4 115.4 05.7 OEFF 7AR.% 87.6 123.7 342.5 574.5 71.2 OEFF 7AR.% 66.3 142.6 342.5 574.5	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6 100.0	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5 0 0	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1 0 33	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1 0	;	5 447 # OF PLOTS 5 203 # OF PLOTS 5	112 REQ. 10 51 REQ. 10	15 50 INF. POP. 15 23 INF. POP. 15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE UP PINE TOTAL	1 % C C C C C C C C C C C C C C C C C C	7AR.% 127.7 54.4 115.4 05.7 OEFF 7AR.% 87.6 123.7 342.5 574.5 71.2 OEFF 7AR.% 66.3 142.6 342.5 574.5 45.1	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6 100.0	LC	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5 0 0 31	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1 0 33	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1 0	;	5 447 # OF PLOTS 5 203 # OF PLOTS 5	112 REQ. 10 51 REQ. 10	15 50 INF. POP. 15 23 INF. POP. 15
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1	1 % C C C C C C C C C C C C C C C C C C	VAR.% 127.7 54.4 115.4 05.7 OEFF VAR.% 87.6 123.7 342.5 574.5 71.2 OEFF VAR.% 66.3 142.6 342.5 574.5 45.1	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6 100.0 7.9	ro ro	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5 0 0 31	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1 0 33 ACRE	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1 0 36	;	5 447 # OF PLOTS 5 203 # OF PLOTS 5	112 REQ. 10 51 REQ. 10 20 REQ.	15 50 INF. POP. 15 INF. POP. 9 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1	1 % C C C C C C C C C C C C C C C C C C	(AR.% 127.7 54.4 115.4 1	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6 100.0 7.9 S.E.%	ro ro	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5 0 0 31 NET BF/A DW 2,342 923	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1 0 33 ACRE AVG 2,621 1,288	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1 0 36 HIGH 2,900 1,653	;	5 447 # OF PLOTS 5 203 # OF PLOTS 5	112 REQ. 10 51 REQ. 10 20 REQ.	15 50 INF. POP. 15 INF. POP. 9 INF. POP.
SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1 SD: 1.0 PPINE WHITE F SUG PINE LP PINE TOTAL CL: 68.1	1 % C C C C C C C C C C C C C C C C C C	(AR.% 127.7 54.4 115.4 1	14.5 10.7 108.2 10.2 S.E.% 15.3 21.5 59.6 100.0 12.4 S.E.% 11.5 24.8 59.6 100.0 7.9 S.E.%	ro ro	50 101 67 TREES/A DW 20 2 0 0 23 BASAL A DW 23 5 0 0 31 NET BF/A	AVG 59 113 180 74 ACRE AVG 23 3 0 0 27 AREA/ACI AVG 25 7 1 0 33 ACRE AVG 2,621	HIGH 67 125 374 82 HIGH 27 4 0 0 30 RE HIGH 28 9 1 0 36 HIGH 2,900	;	5 447 # OF PLOTS 5 203 # OF PLOTS 5	112 REQ. 10 51 REQ. 10 20 REQ.	15 50 INF. POP. 15 INF. POP. 9 INF. POP.

TC TSTA	ATS				PRO	STATIS JECT	TICS BTAIL			PAGE DATE	2 5/19/2014
TWP	RGE	SECT	TRAC	CT	TYP	E A	CRES	PLOTS	TREES	CuFt	BdFt
032	007	20	126		VAF	<u>eI</u>	163.00	33	220	1	Е
CL:	68.1 %	CO	EFF		NET	CUFT FT/A	CRE		# OF PLO	TS REQ.	INF. POP.
SD:	1.0	VA	R.	S.E.%	LOW	AVG	HIGH		5	10	15
CL:	68.1 %	COI	EFF		NET	CUFT FT/A	CRE		# OF PLOTS	REQ.	INF. POP.
SD:	1.0	VA	R.%	S.E.%	LOW	AVG	HIGH		5	10	15
PPINE	3	6	0.9	10.6	513	573	634				
WHIT	ΈF	15-	4.3	26.9	180	247	313				
SUG F	PINE	34:	2.5	59.6	7	17	27				
LP PIN	NE	57-	4.5	100.0	0	3	6				
TOTA	AL	45	5.3	7.9	773	840	906		82	20	9

 TC PLOGSTVB
 Log Stock Table - MBF

 T032 R007 S20 TyVARI
 163.00
 Project: BTAIL Acres
 BTAIL 163.00
 Date 5/19/2014 Time 16:31:49

s	So Gr	Log	Gross	Def	Net	%		1	let Volu	me by S	caling Dia	mete	r in Inche	es				
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+
PP	CR CF	16	5		5	1.2							5					
PP	CR CF	17	43	1.3	42	9.9			29	8	1	3	2					
PP	CR CF	20	1		1	.3					1							
PP	CR CF	24	2		2	.4						2						
PP	CR CF	26	57		57	13.3			35	4	13		5					
PP	CR CF	28	2		2	.4					2							
PP	CR CF	32	129	1.4	127	29.7							20	50	14	43		
PP	CR CF	34	186		184	43.1			70	23	44	15	4	12	7	9		
PP	CR GF	11	2		2	.5			2									
PP	CR GF	14	2		2	.4	1		1									
PP	CR GF	1 6	1		1	.2	1											
PP	CR GF	18	3		3	.7		1	2									
PP	Total	s	431		427	65.4	1	1	138	36	61	19	36	62	21	52		
WF	CR CF	17	6		6	2.7			2	3		1						
WF	CR CF	26	4		4	1.7			4									
WF	CR CF	34	205	1.9	201	95.7			10	17	26	13	37	55	27	15		
WF	Total	s	214	1.8	210	32.2			15	20	26	14	37	55	27	15		
SP	CR CF	16	0		0	2.5					0							
SP	CR CF	32	14		14	97.5					6			3		5		
SP	Total	s	14		14	2.2					6			3		5		
LP	CR CF	26	2		2	100.0			2									
LP	Total	s	2		2	.2			2									
Total	All Specie	es	661	1.2	653	100.0	1	1	155	55	93	33	73	120	48	73		

TblSortGrade

Sort/Grade Table

Table Name: SUNPASS **Date:** 05/19/2014

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

Species Table Report

 TblSpecies
 Date:
 05/19/2014

 Page:
 1

Table Name: SUNPASS

Code	Abrv	Description	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	P	С	PPEQUA100	3	9	20	1.0	99	200	Е	1	4800
2	WF	WHITE F	.94	NF	.87	W	C	DFEQUA050	3	9	20	1.0	99	200	E	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	DFEQUA050	3	9	20	1.0	99	200	E	1	5000

