



Timber Sale Appraisal
Jackpot
Sale 341-11-54

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: October 27, 2010

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$707,810.15	\$0.00	\$707,810.15
		Project Work:	\$(44,833.80)
		Advertised Value:	\$662,976.35



"STEWARDSHIP IN FORESTRY"

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District: Klamath/Lake

Date: October 27, 2010

timber description

Location: Portions of Sections 21, 27, 28,33 and 34, T32S, R7½E and portions of Section 3, T33S, R7½E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	17	0	95
Sugar Pine	17	0	97
Ponderosa Pine	15	0	97

Volume by Grade	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
White Fir	1,287	140	324	1,391	3,142
Sugar Pine	407	27	286	671	1,391
Ponderosa Pine	228	0	360	849	1,437
Total	1,922	167	970	2,911	5,970

comments: Pond Values Used: 3rd Quarter Calendar Year 2010.

Log Markets: Klamath Falls and Medford.

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

Dust Abatement: \$41,706

Log Branding and Painting: \$4,248.00

TOTAL Other Costs (with Profit & Risk to be added): \$45,954

Other Costs (No Profit & Risk added):

None.



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logging conditions

combination#: 1

White Fir	40.00%
Sugar Pine	40.00%
Ponderosa Pine	65.00%

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	60.00%
Sugar Pine	60.00%
Ponderosa Pine	35.00%

yarding distance: Medium (800 ft) **downhill yarding:** Yes
logging system: Track Skidder **Process:** Manual Felling/Delimiting
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 12.0 **bd. ft / load:** 4,200
cost / mbf: \$67.58

machines: Log Loader (B)
Track Skidder



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District: Klamath/Lake

Date: October 27, 2010

logging costs

Operating Seasons:	1.00	Profit Risk:	12.00%
Project Costs:	\$44,833.80	Other Costs (P/R):	\$45,954.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

Miles of Road

Road Maintenance: \$0.30

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	4.2
Ponderosa Pine	\$0.00	3.0	4.0



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District: Klamath/Lake

Date: October 27, 2010

Local Pond Values

Date	Specie	Grade	Value
10/27/10	White Fir	CR 6" - 8"	\$260.00
10/27/10	White Fir	CR 8" - 14"	\$270.00
10/27/10	White Fir	CR 14" - 22"	\$275.00
10/27/10	White Fir	CR 22"+	\$280.00
10/27/10	Sugar Pine	CR 6" - 8"	\$225.00
10/27/10	Sugar Pine	CR 8" - 14"	\$245.00
10/27/10	Sugar Pine	CR 14" - 22"	\$280.00
10/27/10	Sugar Pine	CR 22"+	\$330.00
10/27/10	Ponderosa Pine	CR 6" - 8"	\$235.00
10/27/10	Ponderosa Pine	CR 8" - 14"	\$275.00
10/27/10	Ponderosa Pine	CR 14" - 22"	\$330.00



Timber Sale Appraisal
Jackpot
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"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: October 27, 2010

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$68.22	\$0.32	\$0.73	\$50.87	\$7.70	\$15.34	\$0.00	\$5.00	\$0.00	\$148.18
Sugar Pine									
\$68.22	\$0.31	\$0.73	\$51.09	\$7.70	\$15.37	\$0.00	\$5.00	\$0.00	\$148.42
Ponderosa Pine									
\$68.62	\$0.31	\$0.73	\$53.64	\$7.70	\$15.72	\$0.00	\$5.00	\$0.00	\$151.72

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$271.46	\$123.28	\$0.00
Sugar Pine	\$0.00	\$252.78	\$104.36	\$0.00
Ponderosa Pine	\$0.00	\$273.71	\$121.99	\$0.00



"STEWARDSHIP IN FORESTRY"

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District: Klamath/Lake

Date: October 27, 2010

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

Unamortized

Specie	MBF	Value	Total
White Fir	3,142	\$123.28	\$387,345.76
Sugar Pine	1,391	\$104.36	\$145,164.76
Ponderosa Pine	1,437	\$121.99	\$175,299.63

Gross Timber Sale Value

Recovery: \$707,810.15

Prepared by: Chris Weekly

Phone: 541-883-5681

Jackpot
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Other Costs



Road Maintenance

Move-in cost (grader):	\$400.00
Number of Bladings:	2
Number of Miles to be Bladed:	6.7
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	\$105.50
Total Grading Hours:	13.4
Grading Cost:	\$1,413.70
Total Cost:	\$1,813.70
Cost / MBF:	\$0.30

Dust Abatement (Profit & Risk to be added in Appraisal)

WF	3142 MBF	53%	Average Load	4.3 MBF	No. of Loads	731
PP	1437 MBF	24%	Average Load	4.0 MBF	No. of Loads	359
SP	1391 MBF	23%	Average Load	4.2 MBF	No. of Loads	331
Total:	5970 MBF				Total Loads	1421

Assume: 4 Trucks/Day
3 Trips/Day
12 Loads per Day

118 Hauling Days
4 Hours/Day
\$88.00 Cost/Hour
472.0 Total Hours
\$170.00 Move in for Water Truck
\$41,536.00 Dust Abatement Cost
\$41,706.00 Total Cost
\$6.99 Cost/MBF

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

118 Hauling Days
1.5 Hours/Day
\$24.00 Cost/Hour
\$4,248.00 Total Cost
\$0.71 Cost/MBF

Other Costs Summary (Profit and Risk to be added in Appraisal)

\$41,706.00 Total cost for Dust Abatement	\$6.99 per MBF
\$4,248.00 Total Cost for Log Branding	\$0.71 per MBF
\$45,954.00 Total Other Costs	\$7.70 per MBF

Jackpot
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Other Costs



"STEWARDSHIP IN FORESTRY"

Project #1 Road Improvement and Construction

Move in Cost Dozer \$400.00

Improvement

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to Q	7220	1000	7.2	\$132.50	\$956.65
Open/Clear/Shape	R to S	2499	1000	2.5	\$132.50	\$331.12
Open/Clear/Shape	T to U	1276	1000	1.3	\$132.50	\$169.07
Total						\$1,456.84
per MBF						\$0.24

Construction

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Grub/Clear/Shape	A to B	633	1000	0.6	\$132.50	\$83.87
Grub/Clear/Shape	C to D	188	1000	0.2	\$132.50	\$24.91
Grub/Clear/Shape	E to F	100	1000	0.1	\$132.50	\$13.25
Grub/Clear/Shape	G to H	119	1000	0.1	\$132.50	\$15.77
Grub/Clear/Shape	I to J	405	1000	0.4	\$132.50	\$53.66
Grub/Clear/Shape	K to L	255	1000	0.3	\$132.50	\$33.79
Grub/Clear/Shape	M to N	275	1000	0.3	\$132.50	\$36.44
Grub/Clear/Shape	O to P	102	1000	0.1	\$132.50	\$13.52
Total						\$275.20
per MBF						\$0.05

Project #1 Summary

Move in	\$400.00
Open/Clear Shape	<u>\$1,732.04</u>
Project #1 Total	<u>\$2,132.04</u>
per MBF	\$0.36

Jackpot

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Other Costs



"STEWARDSHIP IN FORESTRY"

Project #2 Road Improvement Hwy 232 (Project Points V-W)

Road Slash and Berm Removal

Miles of Road: 4.3			
Miles per Hour: 0.5	Skidder Cost/Hour:	\$105.00	Total: \$903.00
Laborer to Work with Skidder:	\$20.00 per hour		Total: \$172.00
	Total Cost:	\$1,075.00	
	per MBF	\$0.18	

Landing Slash Piling

Number of Landings: 6			
Shovel Time:			
Hours per Landing: 1	Cost/Hour:	\$132.50	Total: \$795.00
Dozer Time:			
Hours per Landing: 0.5	Cost/Hour:	\$125.00	Total: \$375.00
	Total Cost:	\$1,170.00	
	per MBF	\$0.20	

Spot Rocking

Spot Rocking - Delivered

3/4 - Rock Size	
180 Cubic Yards	
1.5 Tons per Cubic Yard	
270 Tons	
\$12.00 cost per ton (delivered)	
\$3,240.00 Total	
\$0.54 per MBF	

Rock Spreading (Grader)

8	Total Grader Hours
<u>\$105.50</u>	Cost per Hour
\$844.00	Total
8	Total Water Truck Hours
<u>\$88.00</u>	Cost per Hour
\$704.00	Total
<u>\$1,548.00</u>	Total Rock Spreading
\$0.26	per MBF

Blading of Road Surface

Miles of Road: 4.3			
Miles per Hour: 0.5	Cost/Hour:	\$105.50	Total Cost: \$907.30

Project #2 Summary

\$1,075.00	Road Slash and Berm Removal
\$1,170.00	Slash Piling
\$3,240.00	Total Spot Rocking
\$1,548.00	Total Rock Spreading
\$907.30	Final Blading of Road Surface
\$7,940.30	Total Cost
\$1.33	per MBF

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Other Costs



Project #3 Fell, Skid, and Pile Submerchantable Material - Areas 1 and 3

Total Sub-Sawlog Volume: 335 MBF

Fell and Skid/MBF:	\$50.00
Sort/MBF:	\$10.00
Total	\$20,100.00
per MBF	\$3.37

Landing Slash Piling

Number of Landings: 43

Shovel Time:	1 Hour per Landing	Cost per Hour:	\$125.00	Total Cost	\$5,375.00
Cat Time:	1 Hour per Landing	Cost per Hour:	\$132.50	Total Cost	\$5,697.50
		Total	\$11,072.50		
		per MBF	\$1.85		

Project #3 Summary

Fell/Pile/Skid:	\$20,100.00
Landing Cleanup:	\$11,072.50
Total	\$31,172.50
per MBF	\$5.22

Project #4 Road Closure and Waterbarring

Road Closures

15	Number of Closure Points (C, E, A, G, K, N, T, O, Y, R, I, X, Z, AA, BB)
1	Hour/Point (Travel Included)
\$132.50	Cost per Hour (Cat)
\$1,987.50	Total
\$0.33	per MBF

Waterbarring

24173	Feet of Rd. to be Waterbarred
2000	Feet/Hour for Cat
\$132.50	Cost/Hour for Cat
\$1,601.46	Total
\$0.27	per MBF

Segments to be Waterbarred

EE - BB	CC - FF
A - Q	U - T
S - R	
DD - X	
Z - Y	

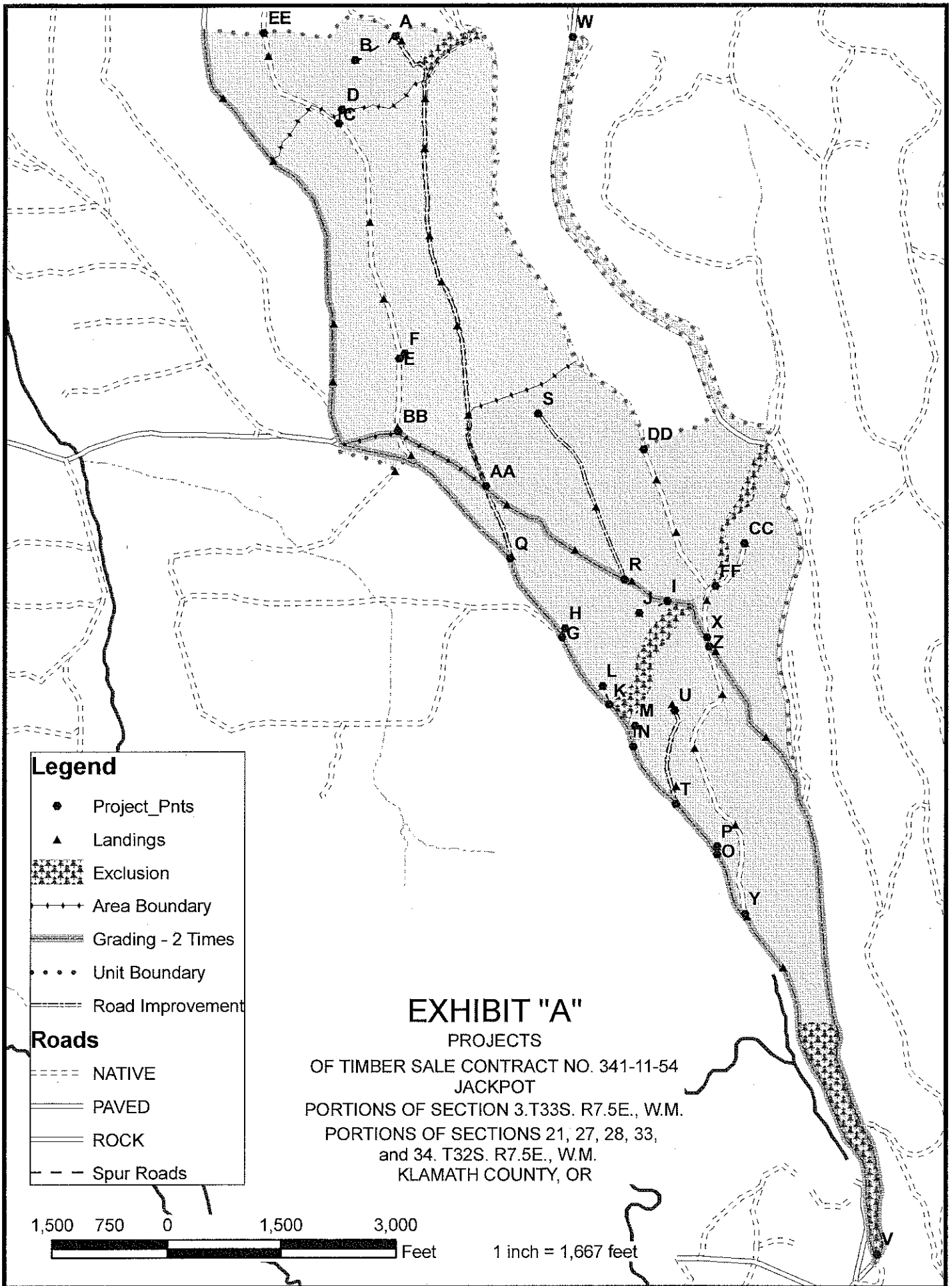
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Other Costs



"STEWARDSHIP IN FORESTRY"

Cost Summary All Projects

\$2,132.04	Project #1 Road Improvement and Construction
\$7,940.30	Project #2 Road Improvement Hwy 232
\$31,172.50	Project #3 Fell, Skid, and Pile Submerchantable Material - Areas 1 and 3
\$3,588.96	Project #4 Road Closure and Waterbarring
\$44,833.80	Total
\$7.51	per MBF



TC TSTATS		STATISTICS							PAGE	1
		PROJECT			JACKPOT		DATE			9/27/2010
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	7.5	34	AREA1	144	426.00	26	160	1	E	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
		PLOTS	TREES		TREES	TREES				
TOTAL		26	160	6.2						
CRUISE		26	160	6.2	26,041		.6			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
WHITE F	64	22.6	16.7	58	6	34.5	5,701	5,678	1,112	1,112
PPINE	48	20.9	15.1	48		25.8	2,506	2,444	560	560
SUG PINE	47	17.3	16.4	47		25.3	2,367	2,340	563	563
LP PINE	1	.3	17.9	21		.5	18	18	6	6
TOTAL	160	61.1	16.1	51		86.2	10,592	10,481	2,240	2,240
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL:	68.1 %	COEFF	SAMPLE TREES - BF			# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		88.1	11.0	378	424	471				
PPINE		96.0	13.9	153	178	202				
SUG PINE		110.4	16.1	224	267	311				
LP PINE										
TOTAL		105.0	8.3	277	302	327	441	110	49	
CL:	68.1 %	COEFF	SAMPLE TREES - CF			# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		80.4	10.0	72	80	88				
PPINE		82.2	11.9	34	39	43				
SUG PINE		94.4	13.8	50	58	66				
LP PINE										
TOTAL		91.9	7.3	56	61	65	338	84	38	
CL:	68.1 %	COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		216.6	43.3	13	23	32				
PPINE		82.4	16.5	17	21	24				
SUG PINE		116.4	23.3	13	17	21				
LP PINE		509.9	102.1		0	1				
TOTAL		85.4	17.1	51	61	72	304	76	34	
CL:	68.1 %	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		158.9	31.8	24	34	45				
PPINE		88.9	17.8	21	26	30				
SUG PINE		92.6	18.5	21	25	30				
LP PINE		509.9	102.1		1	1				
TOTAL		63.0	12.6	75	86	97	165	41	18	
CL:	68.1 %	COEFF	NET BF/ACRE			# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		138.8	27.8	4,101	5,678	7,255				
PPINE		109.0	21.8	1,911	2,444	2,977				
SUG PINE		92.1	18.4	1,909	2,340	2,771				
LP PINE		509.9	102.1		18	37				
TOTAL		71.6	14.3	8,979	10,481	11,983	214	53	24	

STATISTICS
PROJECT JACKPOT

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	7.5	28	AREA2	138	283.00	26	159	1	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	26	159	6.1		
CRUISE	26	159	6.1	5,860	2.7
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
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	60	10.1	14.5	43		11.5	962	958	233	233
SUG PINE	52	6.0	17.5	49		10.0	933	926	215	215
WHITE F	43	3.8	19.9	63	1	8.3	1,518	1,515	289	289
LP PINE	4	.8	13.0	32		.8	59	59	17	17
TOTAL	<i>159</i>	<i>20.7</i>	<i>16.5</i>	<i>48</i>		<i>30.6</i>	<i>3,472</i>	<i>3,458</i>	<i>755</i>	<i>755</i>

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		99.8	12.9	114	131	147	
SUG PINE		71.4	9.9	201	224	246	
WHITE F		55.4	8.5	487	532	577	
LP PINE		32.6	18.6	59	73	86	
TOTAL		<i>95.4</i>	<i>7.6</i>	<i>248</i>	<i>268</i>	<i>288</i>	<i>364 91 40</i>

CL:	68.1 %	COEFF	SAMPLE TREES - CF			# OF TREES REQ.	INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	
PPINE		79.9	10.3	27	30	33	
SUG PINE		65.3	9.1	46	50	55	
WHITE F		49.6	7.6	92	100	107	
LP PINE		33.2	19.0	17	21	25	
TOTAL		<i>81.4</i>	<i>6.5</i>	<i>52</i>	<i>55</i>	<i>59</i>	<i>265 66 29</i>

CL:	68.1 %	COEFF	TREES/ACRE			# OF PLOTS REQ.	INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	
PPINE		83.8	16.8	8	10	12	
SUG PINE		106.8	21.4	5	6	7	
WHITE F		171.3	34.3	3	4	5	
LP PINE		303.9	60.8	0	1	1	
TOTAL		<i>57.5</i>	<i>11.5</i>	<i>18</i>	<i>21</i>	<i>23</i>	<i>138 34 15</i>

CL:	68.1 %	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.	INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	
PPINE		68.0	13.6	10	12	13	
SUG PINE		89.4	17.9	8	10	12	
WHITE F		152.9	30.6	6	8	11	
LP PINE		301.7	60.4	0	1	1	
TOTAL		<i>46.6</i>	<i>9.3</i>	<i>28</i>	<i>31</i>	<i>33</i>	<i>90 23 10</i>

CL:	68.1 %	COEFF	NET BF/ACRE			# OF PLOTS REQ.	INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	
PPINE		72.1	14.4	820	958	1,096	
SUG PINE		95.4	19.1	749	926	1,103	
WHITE F		153.1	30.6	1,051	1,515	1,979	
LP PINE		341.5	68.3	19	59	100	
TOTAL		<i>65.6</i>	<i>13.1</i>	<i>3,004</i>	<i>3,458</i>	<i>3,912</i>	<i>179 45 20</i>

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT JACKPOT		DATE 9/22/2010				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	7.5	28	AREA3	137	74.00	20	118	1	E	
				TREES	ESTIMATED TOTAL	PERCENT SAMPLE				
		PLOTS	TREES	PER PLOT	TREES	TREES				
TOTAL		20	118	5.9						
CRUISE		20	118	5.9	4,098		2.9			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
WHITE F	45	21.2	13.9	49	4	22.5	3,174	3,161	650	650
PPINE	37	20.6	12.8	34		18.5	1,319	1,319	325	325
SUG PINE	36	13.5	15.6	45		18.0	1,625	1,608	376	376
TOTAL	<i>118</i>	<i>55.4</i>	<i>14.0</i>	<i>43</i>		<i>59.0</i>	<i>6,119</i>	<i>6,089</i>	<i>1,351</i>	<i>1,351</i>
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	97.4	14.5	214	250	287					
PPINE	85.4	14.0	89	104	118					
SUG PINE	98.8	16.5	167	200	233					
TOTAL	<i>106.2</i>	<i>9.8</i>	<i>171</i>	<i>189</i>	<i>207</i>	<i>451</i>	<i>113</i>	<i>50</i>		
CL: 68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	81.3	12.1	43	49	54					
PPINE	79.0	13.0	22	25	28					
SUG PINE	83.8	14.0	38	44	50					
TOTAL	<i>87.8</i>	<i>8.1</i>	<i>37</i>	<i>40</i>	<i>43</i>	<i>308</i>	<i>77</i>	<i>34</i>		
CL: 68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	97.5	22.4	16	21	26					
PPINE	91.1	20.9	16	21	25					
SUG PINE	126.4	29.0	10	14	17					
TOTAL	<i>67.8</i>	<i>15.6</i>	<i>47</i>	<i>55</i>	<i>64</i>	<i>194</i>	<i>48</i>	<i>22</i>		
CL: 68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	88.7	20.4	18	23	27					
PPINE	79.0	18.1	15	19	22					
SUG PINE	123.0	28.2	13	18	23					
TOTAL	<i>55.2</i>	<i>12.7</i>	<i>52</i>	<i>59</i>	<i>66</i>	<i>129</i>	<i>32</i>	<i>14</i>		
CL: 68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	91.6	21.0	2,497	3,161	3,825					
PPINE	83.0	19.0	1,068	1,319	1,571					
SUG PINE	128.2	29.4	1,135	1,608	2,081					
TOTAL	<i>61.9</i>	<i>14.2</i>	<i>5,224</i>	<i>6,089</i>	<i>6,954</i>	<i>161</i>	<i>40</i>	<i>18</i>		
CL: 68.1 %	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	90.8	20.8	515	650	786					
PPINE	81.1	18.6	264	325	385					
SUG PINE	128.4	29.5	265	376	487					

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT JACKPOT		DATE 9/29/2010				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
33S	7.5	3	HWY	232	1.00	5	102	1	E	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
				PLOTS	TREES	TREES				
TOTAL				5	102	20.4				
CRUISE				5	102	20.4		510 20.0		
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
WHITE F	37	185.0	18.8	60	61	356.5	60,400	60,400	11,650	11,650
PPINE	44	220.0	16.2	52		314.0	32,800	32,750	7,215	7,215
SUG PINE	17	85.0	17.3	48		138.0	13,000	13,000	2,820	2,820
DOUG-FIR	4	20.0	15.9	41	7	27.7	2,600	2,600	565	565
TOTAL	102	510.0	17.3	54		836.1	108,800	108,750	22,250	22,250
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL: 68.1 %	COEFF	SAMPLE TREES - BF					# OF TREES REQ.	INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	91.9	15.1	277	326	376					
PPINE	83.7	12.6	130	149	168					
SUG PINE	124.0	31.0	106	153	200					
DOUG-FIR	123.7	70.8	38	130	222					
TOTAL	107.5	10.6	191	213	236	462	116	51		
CL: 68.1 %	COEFF	SAMPLE TREES - CF					# OF TREES REQ.	INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	79.8	13.1	55	63	71					
PPINE	66.0	10.0	30	33	36					
SUG PINE	92.6	23.1	25	33	41					
DOUG-FIR	107.5	61.5	11	28	46					
TOTAL	88.6	8.8	40	44	47	314	78	35		
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.	INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	87.9	43.7	104	185	266					
PPINE	81.7	40.6	131	220	309					
SUG PINE	109.3	54.3	39	85	131					
DOUG-FIR	136.9	68.1	6	20	34					
TOTAL	76.1	37.9	317	510	703	287	72	32		
CL: 68.1 %	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.	INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	88.7	44.1	199	357	514					
PPINE	84.6	42.1	182	314	446					
SUG PINE	129.2	64.3	49	138	227					
DOUG-FIR	170.2	84.6	4	28	51					
TOTAL	78.9	39.3	508	836	1,164	308	77	34		
CL: 68.1 %	COEFF	NET BF/ACRE					# OF PLOTS REQ.	INF. POP.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHITE F	92.3	45.9	32,662	60,400	88,138					
PPINE	91.3	45.4	17,873	32,750	47,627					
SUG PINE	139.2	69.3	3,997	13,000	22,003					
DOUG-FIR	183.7	91.3	225	2,600	4,975					
TOTAL	85.0	42.3	62,776	108,750	154,724	357	89	40		

Log Stock Table - MBF
Project: JACKPOT

T32S R7.5 S34 T144

T32S R7.5 S34 T144

Twp Rge Sec Tract Type Acres Plots Sample Trees
32S 7.5 34 AREA1 144 426.00 26 160

Page 1
Date 10/11/2010
Time 11:34:43AM

SPP	T	S	So	Gr	Log	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	14-15	16-19	20-22	22-29	30-39	40+
WF		CR	CR	17		86	2.9	84	3.5			24	29	30							
WF		CR	CR	26		163		163	6.7			73	47	27	16						
WF		CR	CR	34		2,180	.3	2,173	89.8			159	280	310	358	377	470	106	111		
WF		Totals				2,429		2,419	54.2			256	357	367	374	377	470	106	111		
PP		CR	CR	12		9		9	.9						9						
PP		CR	CR	17		205	3.4	199	19.1			93	33	42	15		16				
PP		CR	CR	26		114	2.5	112	10.7			64	33		14						
PP		CR	CR	32		137	1.5	135	12.9							26	82	27			
PP		CR	CR	34		599	2.5	584	56.1			69	243	145	103	24					
PP		CR	GP	25		3		3	.3	3											
PP		Totals				1,068	2.5	1,041	23.3	3		226	309	186	132	59	98	27			
SP		CR	CR	17		100	4.1	96	9.6			47	27	4	6		11				
SP		CR	CR	20		16		16	1.6								16				
SP		CR	CR	26		192		192	19.3			78	85	11	18						
SP		CR	CR	32		246	.9	244	24.5								190	27	27		
SP		CR	CR	34		432	.5	430	43.1			75	117	46	106	52	34				
SP		CR	CR	40		22	13.3	19	1.9						19						
SP		Totals				1,008	1.1	997	22.3			199	230	62	148	52	252	27	27		
LP		CR	CR	17		8		8	100.0					8							
LP		Totals				8		8	.2					8							
Total All Species						4,512	1.1	4,465	100.0	3		682	896	623	654	489	820	161	138		

Log Stock Table - MBF
Project: JACKPOT

T32S R7.5 S28 T138

T32S R7.5 S28 T138

Twp Rge Sec Tract Type Acres Plots Sample Trees
 32S 7.5 28 AREA2 138 283.00 26 159

Page 1
 Date 10/11/2010
 Time 12:10:04PM

Spp	T	S	So	Gr	Log	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	14-15	16-19	20-22	22-29	30-39	40+		
PP		CR	CR	13		5		5	1.8			3			2								
PP		CR	CR	17		26		26	9.7			18	8										
PP		CR	CR	26		37		37	13.7			16	9	8	5								
PP		CR	CR	32		25		25	9.3							6	19						
PP		CR	CR	34		176	.7	174	64.4			48	69	49	4	5							
PP		CR	GP	12		1		1	.2		1												
PP		CR	GP	14		1		1	.5				1										
PP		CR	GP	34		1		1	.5	1													
PP		Totals				272		271	27.7		1	1	86	86	57	10	11	19					
SP		CR	CR	13		1		1	.2			1											
SP		CR	CR	17		13	6.0	13	4.8			9	0	2	2								
SP		CR	CR	26		43		43	16.5			29	11	3									
SP		CR	CR	27		1		1	.4			1											
SP		CR	CR	32		37		37	14.0						4						33		
SP		CR	CR	34		169	.6	168	64.1			18	24	63	40	16	6						
SP		Totals				264		262	26.8			57	36	68	46	16	39						
WF		CR	CR	17		9		9	2.2			3	3	1	2								
WF		CR	CR	26		33		33	7.7			11	12		4	6							
WF		CR	CR	34		387	.2	387	90.2			5	37	29	47	89	142	18	19				
WF		Totals				430		429	43.8			19	52	31	54	94	142	18	19				
LP		CR	CR	12		1		1	7.4			1											
LP		CR	CR	17		3		3	16.5				3										
LP		CR	CR	26		3		3	20.1				3										
LP		CR	CR	34		9		9	56.0			4	5										
LP		Totals				17		17	1.7			6	11										
Total All Species						983		979	100.0		1	1	167	186	156	109	122	199	18	19			

Log Stock Table - MBF
Project: JACKPOT

T32S R7.5 S28 T137

T32S R7.5 S28 T137

Twp Rge Sec Tract Type Acres Plots Sample Trees Page
 32S 7.5 28 AREA3 137 74.00 20 118 1
 Date 10/11/2010
 Time 12:44:51PM

SPP	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches												
									MBF	MBF	Sp	2-3	4-5	6-7	8-9	10-11	12-14	14-15	16-19	20-22	22-29
WF	CR	CR	17		9		9	3.7				4	5								
WF	CR	CR	26		25	1.3	25	10.7				20	1			4					
WF	CR	CR	34		201	.3	200	85.5				20	42	41	41	11	45				
WF	Totals				235		234	51.9				44	48	41	41	15	45				
PP	CR	CR	14		2		2	1.9								2					
PP	CR	CR	16		3		3	2.7				1				2					
PP	CR	CR	17		22		22	22.2				21	1								
PP	CR	CR	20		0		0	.3				0									
PP	CR	CR	24		4		4	3.6				1	2								
PP	CR	CR	26		13		13	13.0				4	2	3		3					
PP	CR	CR	32		17		17	17.8						4	7						
PP	CR	CR	34		35		35	36.1				15	8	9	4						
PP	CR	CR	40		2		2	2.5					2								
PP	Totals				98		98	21.7				43	22	16	11	7					
SP	CR	CR	16		3		3	2.6				3									
SP	CR	CR	17		7		7	6.1				6	2								
SP	CR	CR	20		3		3	2.6				2	1								
SP	CR	CR	24		1		1	.9				1									
SP	CR	CR	26		4		4	3.4				4									
SP	CR	CR	30		2	22.2	2	1.4				2									
SP	CR	CR	32		41	.8	41	34.2				2	2	14	8	6	4	4			
SP	CR	CR	34		52	.8	51	43.1				4	15	18	10	4					
SP	CR	CR	40		7		7	5.6				3			4						
SP	Totals				120	1.0	119	26.4				27	20	33	21	10	4	4			
Total All Species					453		451	100.0				114	89	89	73	32	49	4			

Log Stock Table - MBF
Project: JACKPOT

T33S R7.5 S3 T232

T33S R7.5 S3 T232

Twp Rge Sec Tract Type Acres Plots Sample Trees Page 1
33S 7.5 3 HWY 232 1.00 5 102 Date 9/29/2010
Time 1:56:23PM

SPP	T	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches												
										MBF	MBF	2-3	4-5	6-7	8-9	10-11	12-14	14-15	16-19	20-22	22-29	30-39
WF		CR	CR	17		1		1	2.2			1	1									
WF		CR	CR	26		6		6	10.3			1	0	3				2				
WF		CR	CR	34		53		53	87.6			3	4	6	12	6	13			9		
WF		Totals				60		60	55.5			5	5	9	12	6	14			9		
PP		CR	CR	13		0		0	.3			0										
PP		CR	CR	17		3	1.5	3	10.1			2	0	0		1						
PP		CR	CR	26		4		4	11.0			2	1	1								
PP		CR	CR	34		26		26	78.6			2	4	8	6	1	5					
PP		Totals				33		33	30.1			6	6	8	6	2	5					
SP		CR	CR	17		2		2	15.0			1	0		1							
SP		CR	CR	26		1		1	9.6			0	0	1								
SP		CR	CR	34		10		10	75.4			2	2		3				3			
SP		Totals				13		13	12.0			3	2	1	4				3			
DF		CR	CR	17		0		0	11.5			0										
DF		CR	CR	34		2		2	88.5			1			2							
DF		Totals				3		3	2.4			1			2							
Total All Species						109		109	100.0			15	13	18	23	8	22			9		

Table Name: SUNPASS

Code	Abv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Component	Yield Table	Min Log Dia	Min Log Len	Max Log Len	Log Trim	Max Tree Dia	Max Tree Hgt	BdFt Rule	CuFt Rule	Weight
1	PP	PPINE	.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	.9	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

TbtSortGrade

Sort/Grade Table

Table Name: SUNPASS

Date: 10/15/2010

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

JACKPOT

341-11-54
Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Jackpot

LEGAL DESCRIPTION:

Township 32S, R7½E, Portions of Sections 21,27,28,33 & 34, W.M., Klamath County, OR. Township 33S, R7½E, Portion of Section 3, W.M., Klamath County, OR.

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 3 road and Hwy 232. Area boundaries are posted with "Area Boundary" signs, marked with yellow paint, and pink flagging. Exclusion areas are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

FUND:

100% B.O.F.

ACREAGE:

The timber sale was delineated into 4 areas based upon location .

Area I	426 Acres
Area II	283 Acres
Area III	74 Acres
232 Right of Way	N/A

Approximate Total Sale Acreage:783 Acres

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 leave trees marked with orange paint for trees 5.0 inches dbh and larger. All trees less than 5.0 inches dbh are reserved from cutting in Area I.

Area II 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 Area II.

Area III is a single tree selection cut with leave trees marked with orange paint for trees greater than 5.0 inches dbh. All trees less than 5.0 inches dbh are reserved from cutting in Area III.

Highway 232 road right of way is a cut tree mark with blue paint.

CRUISE METHOD:

Variable Plot cruise with all the plots being measure plots. Fixed plot cruise for all submerchantable material (5.0"to 9.0") dbh for Areas I and III. The Highway 232 road right of way trees were 20% sample cruised with every fifth blue marked tree measured and recorded.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area I	14 BAF	426 acres
Area II	5 BAF	283 acres
Area III	10 BAF	74 acres

PLOT DESIGNATION:

Plot centers were established at every plot with blue flag wire stakes with the corresponding plot number. Fluorescent green flagging was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

AREA	CV%	DESIRED SE%	ACRES
Area I	65	13	426
Area II	60	13	283
Area III	60	13	74

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

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

Area I $N = \frac{(1)^2(65)^2}{(13)^2} = 25 \text{ plots}$ Took 26 plots

Area II $N = \frac{(1)^2(60)^2}{(13)^2} = 21 \text{ plots}$ Took 26 plots

Area III $N = \frac{(1)^2(60)^2}{(13)^2} = 21 \text{ plots}$ Took 20 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 9” dbh) for Areas I and III.

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” dbh for sawlog volume. 5.0” dbh for submerchantable material.

Area II: 9.0” dbh for sawlog volume.

Area III: 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 D.B.H.

VOLUME COMPUTATION:

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

CRUISERS: Ed Scheick, Chris Weekly, Mike Dwyer, John Pellissier.

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area I	72	14.3	426
Area II	65	13.1	283
Area III	62	14.2	74
COMBINED	87	11.1	783

TIMBER DESCRIPTION

SAWLOG VOLUME:

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

AREA I

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	16.7	2429	2419
Ponderosa Pine	15.1	1065	1038
Sugar Pine	16.4	1008	997

AREA II

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	19.9	430	429
Ponderosa Pine	14.5	269	268
Sugar Pine	17.5	264	262

otot

AREA III

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	13.9	235	234
Ponderosa Pine	12.8	98	98
Sugar Pine	15.6	120	119

HWY. 232 RIGHT OF WAY

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	18.8	60	60
Ponderosa Pine	16.2	33	33
Sugar Pine	17.3	13	13

TOTAL SAWLOG VOLUME

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	16.7	3154	3142
Ponderosa Pine	14.7	1465	1437
Sugar Pine	16.5	1405	1391

TOTAL NET SAWLOG VOLUME: 5970 MBF

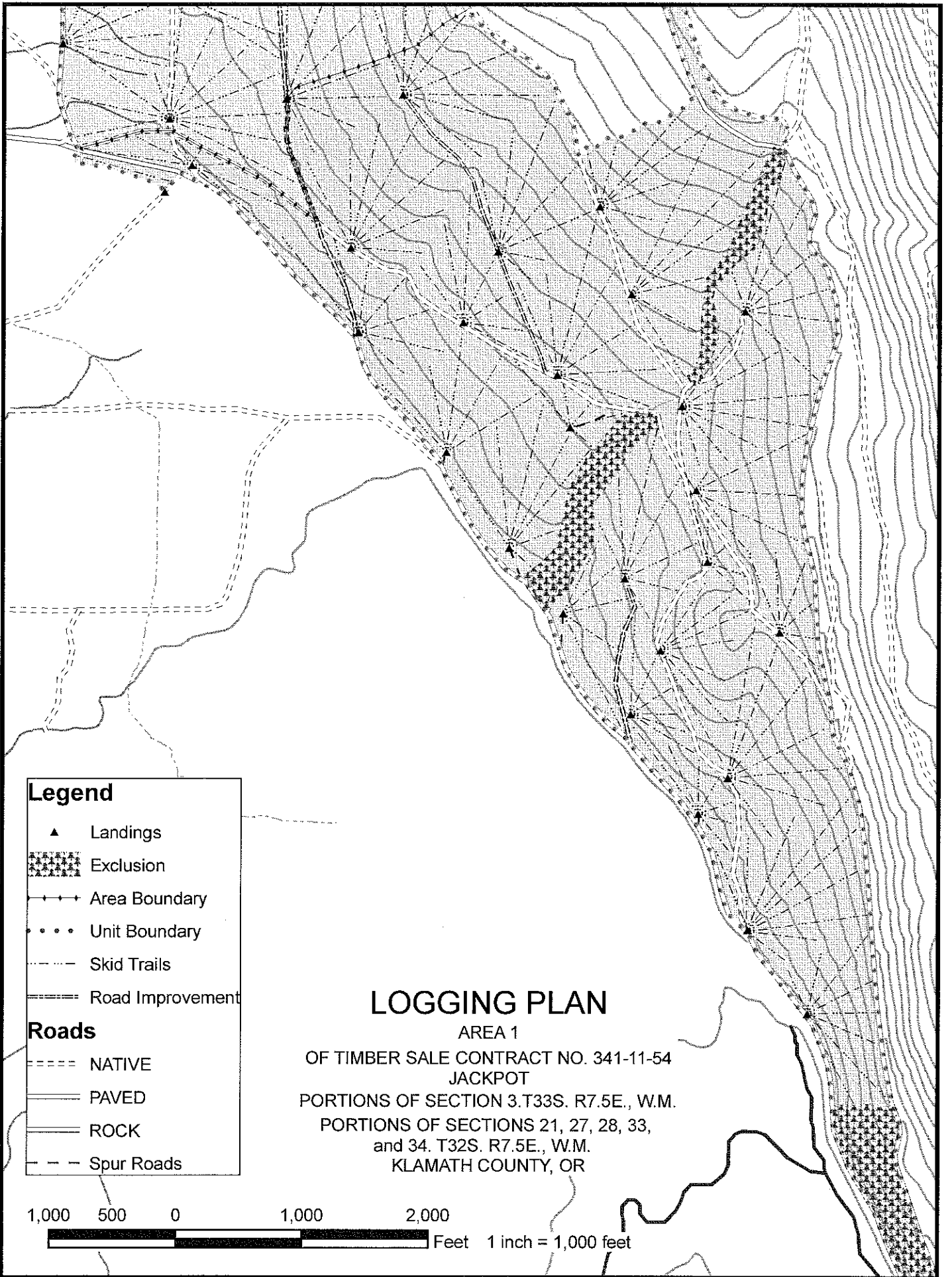
***Minor volumes of Lodgepole Pine and Douglas Fir were cruised, these species are not included in the appraisal, a separate price will be established for other conifers in Section 1740 Log Prices of the contract.**

GREEN PULP VOLUME:

This volume was obtained from the fixed plot cruise (5.0" – 9.0" DBH) for Areas I and III. All material was graded green pulp, see grade table for minimum standards.

SPECIES	F.PLOT VOLUME
Ponderosa Pine	143
White Fir	132
Sugar Pine	60

TOTAL GREEN PULP VOLUME: 335 MBF



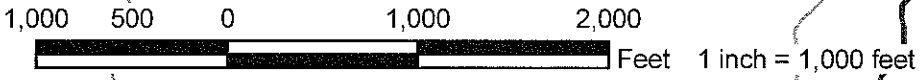
Legend

- ▲ Landings
- ▣ Exclusion
- Area Boundary
- ... Unit Boundary
- - - Skid Trails
- ==== Road Improvement

Roads

- ==== NATIVE
- ==== PAVED
- ==== ROCK
- - - Spur Roads

LOGGING PLAN
 AREA 1
 OF TIMBER SALE CONTRACT NO. 341-11-54
 JACKPOT
 PORTIONS OF SECTION 3. T33S. R7.5E., W.M.
 PORTIONS OF SECTIONS 21, 27, 28, 33,
 and 34. T32S. R7.5E., W.M.
 KLAMATH COUNTY, OR



This product is for informational use and may not have been prepared for, or suitable for legal, engineering, or surveying purposes.

LOGGING PLAN

AREA 2 AND 3

OF TIMBER SALE CONTRACT NO. 341-11-54
JACKPOT

PORTIONS OF SECTION 3. T33S. R7.5E., W.M.
PORTIONS OF SECTIONS 21, 27, 28, 33,
and 34. T32S. R7.5E., W.M.
KLAMATH COUNTY, OR

