



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Full A Bull Sale 341-07-34

District: Klamath/Lake

Date: 7/6/06

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,284,430.73	\$0.00	\$1,284,430.73
		Project Work	(\$31,000.62)
		Advertised Value	\$1,253,430.11



Timber Sale Appraisal Timber Description Full A Bull Sale 341-07-34

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Location: T32S., R71/2E., sections 29,30,31,32,&33,W.M
Klamath County, Oregon

Date: 7/6/06

Stand Stocking: 40%

Species	Avg. DBH	Amortized%	Recovery%
White Fir	16	0	96
Ponderosa Pine	16	0	97
Lodgepole Pine	12	0	96

Volume by Grade	White Fir	Ponderosa Pine	Lodgepole Pine	Total
Camprun	0	0	3,037	3,037
CR 6" - 8"	81	19	0	100
CR 8" - 14"	477	1,073	0	1,550
CR 14" - 22"	415	766	0	1,181
CR 22"+	41	57	0	98
Total	1,014	1,915	3,037	5,966

Comments: Pond Values Used: 2nd Quarter Calendar Year 2006.

Log Market: Klamath Falls
Additional Costs with P&R:
Dust Abatement: \$19,958
Brand and Paint: \$6,000
Additional Fire Protection: \$1,675
Total additional costs with P&R: \$27,633

Additional Costs without P&R:
Rock Replacement: \$3,289.08

Hauling costs adjusted to make equivalent to \$700.00 daily truck cost.

Hauling Cost Calculation Ponderosa Pine:
\$700 - % Profit & Risk ($\$700 / 1.12$) = \$625.00 Daily Truck Cost.
 $\$625.00$ Daily Truck Cost / (3 trips per day x 3.5 mbf per load) = \$59.52/MBF Gross Hauling Cost.
\$59.52/MBF Gross Hauling Cost - Recovery Percentage Adjustment [3%].
($\$59.52 - \1.79) = \$57.73/MBF Net Hauling Cost.

Hauling Cost Calculation White Fir:
 $\$625.00$ Daily Truck Cost / (3 trips per day x 4.4 mbf per load) = \$47.35/MBF Gross Hauling Cost.
\$47.35/MBF Gross Hauling Cost - Recovery Percentage Adjustment [4%].
($\$47.35 - \1.89) = \$45.46/MBF Net Hauling Cost.

Hauling Cost Calculation Lodgepole Pine:
 $\$625.00$ Daily Truck Cost / (3 trips per day x 3 mbf per load) = \$69.44/MBF Gross Hauling Cost.
\$69.44/MBF Gross Hauling Cost - Recovery Percentage Adjustment [4%].
($\$69.44 - \2.78) = \$66.66/MBF Net Hauling Cost.



Timber Sale Appraisal

Logging Costs

Full A Bull

Sale 341-07-34

"STEWARDSHIP IN FORESTRY"

Date: 7/6/06

Operating Seasons: 1.0

Profit & Risk: 12%

Project Costs: \$31,001

Other Costs (P/R): \$27,633

Slash Disposal: \$0

Other Costs: \$3,289

Road Maintenance: \$0.23

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
White Fir	\$45.46	3.0	4.4
Ponderosa Pine	\$57.73	3.0	3.5
Lodgepole Pine	\$66.66	3.0	3.0

Local Pond Values

Date	Species	Grade	Value
7/6/06	White Fir	CR 6" - 8"	\$400.00
7/6/06	White Fir	CR 8" - 14"	\$400.00
7/6/06	White Fir	CR 14" - 22"	\$400.00
7/6/06	White Fir	CR 22"+	\$400.00
7/6/06	Ponderosa Pine	CR 6" - 8"	\$315.00
7/6/06	Ponderosa Pine	CR 8" - 14"	\$345.00
7/6/06	Ponderosa Pine	CR 14" - 22"	\$490.00
7/6/06	Ponderosa Pine	CR 22"+	\$595.00
7/6/06	Lodgepole Pine	Camprun	\$375.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Breakdown Full A Bull Sale 341-07-34

Costs	White Fir	Ponderosa Pine	Lodgepole Pine
Logging	82.15	81.79	90.65
Road Maintenance	0.24	0.24	0.24
Fire Protection	0.45	0.45	0.45
Hauling	47.35	59.52	69.44
Other (P/R appl.)	4.63	4.63	4.63
Profit & Risk	16.18	17.60	19.85
Slash Disposal	0.00	0.00	0.00
Scaling	2.00	2.00	2.00
Other	0.55	0.55	0.55
Total	153.55	166.78	187.81

Amortization	0.00	0.00	0.00
Pond Value	400.00	410.14	375.00
Stumpage	246.45	243.36	187.19
Amortized	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary Full A Bull Sale 341-07-34

Amortized

	White Fir	Ponderosa Pine	Lodgepole Pine
MBF	0.00	0.00	0.00
Value	0.00	0.00	0.00
Total	0.00	0.00	0.00

Unamortized

	White Fir	Ponderosa Pine	Lodgepole Pine
MBF	1,014.00	1,915.00	3,037.00
Value	246.45	243.36	187.19
Total	249,900.30	466,034.40	568,496.03

Gross Timber Sale Value

Recovery \$1,284,430.73

Prepared by: John Pellissier

Date: 7/6/06

District: Klamath/Lake

Phone: (541) 883-5681

Summary of Project Work



**Full A Bull
341-07-34**

Project # 1: Road Improvement \$ 3,150.62

Project # 2: Felling, yarding, and piling of
submerchantable trees and pulp wood \$ 26,550.00

Project # 3: Road Closures \$ 1,000.00

Project # 4: Right of Way Clearing \$ 300.00

Total: \$31,000.62

Full A Bull

341-06-034

Other Costs



"STEWARDSHIP IN FORESTRY"

Road Maintenance

Move-in cost (grader):	\$	300.00
Number of Bladings		1
Number of Miles to be Bladed		5.5
Miles / Hour for equipment		0.5
Cost / Hour:	\$	95.00
Total Grading Hours:		11
Grading Cost:	\$	1,045.00
Total Cost:	\$	1,345.00
Cost / MBF	\$	0.23

Dust Abatement (Profit & Risk Included)

PP	1,915,000	BF	32%	Average Load	3500 BF	547	# of Loads
WF	1,014,000	BF	17%	Average Load	4400 BF	230	# of Loads
LP	3,037,000	BF	51%	Average Load	3000 BF	1012	# of Loads
Total:	5,966,000	BF				Total Loads	1790

Assume: Trucks/Day
 Trips / Day

Loads Per Day

Assume June 15 thru October 15 at 22 hauling days / month for a summer haul period.

<input type="text" value="149"/>	Hauling Days
<input type="text" value="88"/>	Possible # of Summer Haul
<input type="text" value="3"/>	Hours / Day
\$ <input type="text" value="75.00"/>	Cost / Hour
<input type="text" value="264"/>	Total Hours
\$ <input type="text" value="158.00"/>	Move-In for Water Truck
\$ <input type="text" value="19,800.00"/>	Dust Abatement Cost
\$ <input type="text" value="19,958.00"/>	Total Cost
\$ <input type="text" value="3.35"/>	Cost / MBF

Brand and Paint (Profit and Risk Included)

<input type="text" value="150"/>	Hauling Days
<input type="text" value="2"/>	Hours/Day
\$ <input type="text" value="20.00"/>	Cost / Hour
\$ <input type="text" value="6,000.00"/>	Total Cost
\$ <input type="text" value="1.01"/>	Cost / MBF

3 Road Rock Replacement (No Profit and Risk)

Rock Surfacing ~ Delivered

1 1/2 -	Rock Size
0.15	Length (Miles)
800	Length (feet)
14	Width (feet)
4	Depth (inches)
3,733.3	Cubic Feet
138.3	Cubic Yards
\$ 16.20	Cost / Yard
1:3	Expansion Factor
179.8	Cubic Yards (Loose)
1.35	Tons/Cubic Yard
242.67	Tons
10	No. of Belly Dump Loads
\$ 12.00	Price / Ton
\$ 2,912.00	Total Price

Rock Spreading (Grader)

Number of Bladings	3
Number of Miles to be Bladed	0.15
Miles / Hour for equipment	0.25
Cost / Hour:	\$ 95.00
Total Grading Hours:	0.6
Grading Cost:	\$ 57.58

Construct / Improve Lead Off Ditch (Grader)

No. of Ditches	1
Hours / Ditch	0.5
Total Hours	0.5
Cost / Hour	\$ 95.00
Total	\$ 47.50

Pull Ditches / Shape Road

Feet / Hour	500
Total Feet	800
Total Hours	1.6
Cost / Hour	\$ 95.00
Total	\$ 152.00

Water Truck to work with Grader

Number of Hours	1.6
Cost / Hour	\$ 75.00
Total	\$ 120.00

Road Shaping & Surfacing Cost Summary

Rock Surfacing	\$ 2,912.00
Rock Spreading	\$ 57.58
Ditch Construction	\$ 47.50
Pull Ditches	\$ 152.00
Water Truck	\$ 120.00
Total Cost	\$ 3,289.08

Full A Bull

341-07-034

Project Work



"STEWARDSHIP IN FORESTRY"

Move-in cost Cat \$ 300.00

<i>Project #1 Road Improvement (Grader)</i>					
Total Feet	35,230	Water Truck	Hours	3.0	
Feet / Hour	3000		Cost / Hour	\$ 75.00	
Cost / Hour	\$ 95.00		Total Cost	\$ 225.00	
Total Hours	11.7				
Total Cost	\$ 1,115.62				

<i>Road Improvement (Dozer)</i>					
Points	Distance (feet)	Feet / Hour	Hours	Cost / Hour	Cost
F to J	1,584	2000	0.8	\$ 100.00	\$ 80.00
F to G	858	2000	0.4	\$ 100.00	\$ 40.00
H to I	1,452	2000	0.7	\$ 100.00	\$ 70.00
C to L	3,300	2000	1.7	\$ 100.00	\$ 170.00
M to N	3,630	2000	1.8	\$ 100.00	\$ 170.00
O to P	2,310	2000	1.2	\$ 100.00	\$ 120.00
Q to R	3,300	2000	1.7	\$ 100.00	\$ 170.00
R to S	198	2000	0.1	\$ 100.00	\$ 10.00
	16,632		8.3		\$ 830.00

<i>Road Improvement (Excavator)</i>	
Move in Cost	\$ 300.00
Cost / Hour:	\$ 85.00
Total Hours	8
Total Cost	\$ 680.00

Total Project #1: \$ 3,150.62

<i>Project #2 Fell, Skid, & Pile Submerchantable Material</i>			
375,000	Total Subsawlog Volume MBF	125,000	PP Green Pulp (BF)
		96,000	LP Green Pulp (BF)
\$ 42,500	Fell & Skid / MBF	22,000	WF Green Pulp(BF)
\$ 7,500	Sort / MBF	243,000	BF Green Pulp
\$ 50.00	Total / MBF	132,000	BF Subsawlog Fixed Plot
\$ 18,750.00	Total Cost	375,000	Total Board Feet

<i>Landing Cleanup (included with Project # 2)</i>					
30	Number of Landings				
	Shovel Time:	1	Hours / Landing	\$ 120.00	Cost / Hour \$ 3,600.00
	Cat Time:	1	Hours / Landing	\$ 100.00	Cost / Hour \$ 3,000.00
	Additional Shovel Time:	10	Hours	\$ 120.00	Cost / Hour \$ 1,200.00
					Total Cost: \$ 7,800.00

Total Project #2: \$ 26,550.00

Project #3 Road Closures			
Road Blocking		Close Road Segments	
4	Number of Closure Points (C,E,M,O)	6	Number of Road Segments
1	Hours / Point (include travel)	1	Hours / segment
\$	Cost / Hour (Shovel)		
\$	100.00 Cost / Hour (Dozer)	\$	100.00 Cost / Hour (Dozer)
	4 Total Road Blocking Hours		6 Total Hours (Closing Road Segments)
\$	400.00 Total Cost	\$	600.00 Total Cost
		\$ 1,000.00 Total Project #3:	

Project #4 Right of Way Clearing				
Points	Distance (feet)	Hours	Cost/Hour	Cost
U to V	6500	3	\$ 100.00	\$ 300.00
				\$ 300.00 Total Project #4:

Cost Summary			
\$	3,150.62	Project # 1 ~ Road Construction and Improvement	Additional Cost
\$	26,550.00	Project # 2 ~ Fell, Skid, & Pile Submerchantable Material	\$ 1,345.00 Road Maintenance
\$	1,000.00	Project # 3 ~ Road Closures	\$ 19,958.00 Dust Abatement
\$	300.00	Project # 4 ~ Right of Way Clearing	\$ 6,000.00 Brand and Paint
			\$ 1,675.00 Additional Fire Protection
			\$ 3,289.08 Rock Replacement
\$	31,000.62 Total Project Cost		\$ 32,267.08 Total additional costs

Full A Bull

341-07-34

Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Full a Bull

LEGAL DESCRIPTION: T.32 S., R.7 ½ E., Portions of Sections 29, 30, 31, 32, and 33.

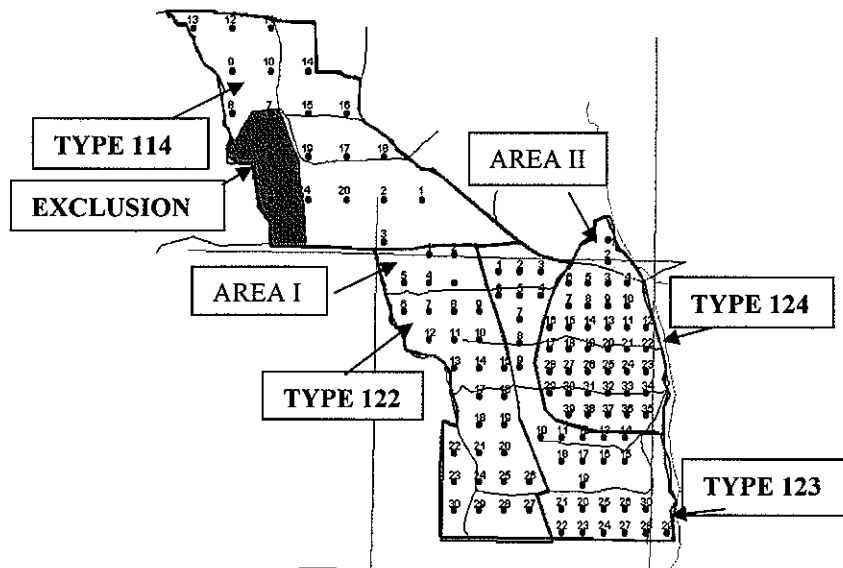
BOUNDARY LINES:

Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging. The 3 road is the boundary between Areas 1 and 2. Road right of ways are posted with orange "Right of Way Boundary" signs, yellow paint, and blue and pink flagging.

FUND: 100% B.O.F.

ACREAGE: The timber sale was further delineated beyond harvest areas to timber type boundaries for the timber cruise.

	<u>Acres</u>
Type 114	235
Type 122	194
Type 123	168
Type 124	148
Approximate Sale Acreage:	745 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 selection cut, leave tree marked with orange paint.
 Area II is also a selection cut, with cut trees marked in blue paint.
 Wildlife trees are designated with an orange "W".

CRUISE METHOD:

Variable Plot cruise with all the plots being measure plots. Fixed plot cruise for all submerchantable material (5.0" to 8.0"), with all plots being measure plots.
 Measure and grade all trees.

BASAL AREA FACTOR:

Type	BAF	Type Acreage
114	14BAF	235.0 acres
121/122	14 BAF	194.0 acres
123	14 BAF	168.0 acres
124	14 BAF	148.0 acres

Full point plots taken, 1/50th acre fixed plots for submerchantable material (5.0" to 8.0" DBH)

PLOT DESIGNATION:

Plot centers were established at every plot. Metal stakes with a blue flag were set at plot center. White flagging with the corresponding plot number was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

Area I			
	CV %	Desired SE %	Acres
Type 114	48	12	235
Type 122	66	12	194
Type 123	66	12	168
Type 124	75	12	148

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

C = Coefficient of Variation in Percent (Taken from inventory data)

T = Number of Standard Errors

A = Desired Sampling Error for a sale of this size and value

$$\text{Type 114 Number of Plots: } \frac{(1)^2(48)^2}{12^2} = 16 \text{ Plots}$$

$$\text{Type 122 Number of Plots: } \frac{(1)^2(66)^2}{12^2} = 30 \text{ Plots}$$

$$\text{Type 123 Number of Plots: } \frac{(1)^2(66)^2}{12^2} = 30 \text{ Plots}$$

$$\text{Type 124 Number of Plots: } \frac{(1)^2(75)^2}{12^2} = 39 \text{ plots}$$

Measurements and Grading:

- DBH and Height were measured on all “in” trees in the plot.
- All plots were measure plots.
- Pulp volume and sawlog volume cruised.
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.
- Separate fixed plot cruise for all submerchantable material (5”to 8”)

TREE HEIGHT:

All trees were measured to a fixed diameter outside bark. This height is usually taken as high up the bole as possible, where the cruiser can clearly see the bole, and the taper remains constant. (Usually 6 to 8 inches). The log segments are broken out and graded accordingly.

MINIMUM D.B.H.:

8.0” D.B.H. for sawlog volume. (Must have a minimum of 20 board feet.)

5.0” D.B.H. for pulp volume.

DIAMETER STANDARDS:

1" diameter class

BTR:

Standard ratios were used. See attached species tables.

FORM FACTOR:

Form factor was measured or estimated at 16' for each tree. Each tree was assigned its own FF.

FORM POINT:

All trees were sighted at D.B.H.

VOLUME COMPUTATION:

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

CRUISERS: Craig Leech, & Edmund Scheick

FINAL CRUISE RESULTS:

Area I			
	CV%	SE %	Acres
Type 114	57.0	14.7	235
Type 122	61.5	11.4	194
Type 123	65.9	12.2	168
Type 124	70.1	11.2	148
Total Sale Area			
	CV%	SE%	Acres
All Types	102.0	9.5	745.0

TIMBER DESCRIPTION:

SAWLOG VOLUME:

This volume was obtained from the variable plot cruise. All material > 8.0" DBH.
 All material graded camprun
 See grade table for minimum standards.

	Species	Average DBH	Net Volume (MBF)
Areas 1 & 2	Ponderosa Pine	16.0	1,915
	Lodgepole Pine	12.3	3,037
	White fir	16.4	1,014
			Total: 5,966 MBF

(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 1 & 2 Variable Plot	Ponderosa pine	125
	Lodgepole pine	96
	White fir	22
		Total: 243 MBF

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

	Species	Green Pulp Volume (MBF)
Areas 1 & 2 Fixed Plot	Ponderosa pine	53
	Lodgepole pine	68
	White fir	11
		Total: 132 MBF

Total Green Pulp Volume: 375 MBF

TC PSTATS		PROJECT STATISTICS						PAGE	1		
		PROJECT		FULABUL				DATE	6/16/2006		
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt	
32S	7.5	30	VARIABLE	114	THR	745.00	115	632	1	E	
32S	7.5	32	VARIABLE	0124							
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			115	632	5.5						
CRUISE			112	632	5.6	60,708	1.0				
DBH COUNT											
REFOREST											
COUNT											
BLANKS			3								
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
LP PINE		296	57.2	12.3	37		47.1	4,262	4,209	1,078	1,078
P PINE		244	16.9	16.0	42		23.5	2,538	2,502	546	546
WHITE F		92	7.4	16.4	41	2	11.0	1,403	1,390	301	301
TOTAL		632	81.5	13.5	39		81.6	8,203	8,101	1,924	1,924
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		
LP PINE		87.7	5.1	90	94	99					
P PINE		106.0	6.8	282	303	323					
WHITE F		113.6	11.8	282	319	357					
TOTAL		130.3	5.2	197	208	218	678	170	75		
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		66.6	3.9	22	23	24					
P PINE		92.3	5.9	58	62	65					
WHITE F		91.8	9.6	59	65	71					
TOTAL		107.5	4.3	42	44	46	462	115	51		
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		150.9	14.1	49	57	65					
P PINE		137.4	12.8	15	17	19					
WHITE F		260.6	24.3	6	7	9					
TOTAL		103.8	9.7	74	81	89	431	108	48		
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		148.8	13.9	41	47	54					
P PINE		132.1	12.3	21	23	26					
WHITE F		222.9	20.8	9	11	13					
TOTAL		91.8	8.6	75	82	89	336	84	37		
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		162.4	15.1	3,572	4,209	4,845					
P PINE		155.9	14.5	2,139	2,502	2,865					
WHITE F		225.3	21.0	1,098	1,390	1,682					
TOTAL		102.7	9.6	7,326	8,101	8,875	421	105	47		
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		
LP PINE		155.7	14.5	921	1,078	1,234					
P PINE		146.8	13.7	471	546	621					

Log Stock Table - MBF

T32S R7.5 S30 Ty114
THRU
T32S R7.5 S32 Ty0124

Project: FULABUL
Acres 745.00

S Spp	T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
									2-3	4-5	6-7	8-9	10-11	12-14	15-16	17-19	20-22	23-29	30-39	40+
LP		CR	CR	10	8		8	.3			0			4	3					
LP		CR	CR	12	31		31	1.0			13	14	3							
LP		CR	CR	13	57		57	1.8			24	5	19	9						
LP		CR	CR	14	24		24	.8			15	3		6						
LP		CR	CR	16	126	4.4	120	3.8			69	14	27	10						
LP		CR	CR	17	26		26	.8			26									
LP		CR	CR	18	34		34	1.1			27	5	2							
LP		CR	CR	20	82		81	2.6			21	24	27	10						
LP		CR	CR	22	75		75	2.4			20	22	34							
LP		CR	CR	24	91		91	2.9			47	8	13	23						
LP		CR	CR	26	59		59	1.9			36	8		8	7					
LP		CR	CR	27	237		235	7.5			105	70	59							
LP		CR	CR	28	88		88	2.8			30	36	17		6					
LP		CR	CR	30	89	1.4	88	2.8			50	30	8							
LP		CR	CR	32	644	1.7	632	20.2			202	152	186	77	7	9				
LP		CR	CR	34	648	1.7	636	20.3			217	264	147	8						
LP		CR	CR	36	127		127	4.1			58	27	28	15						
LP		CR	CR	38	88	1.5	87	2.8			38	22	27							
LP		CR	CR	40	542	1.3	535	17.1			273	219	25	19						
LP		CR	GP	10	33		33	1.0				5	17		11					
LP		CR	GP	11	2		2	.1			2									
LP		CR	GP	12	10		10	.3		2	9									
LP		CR	GP	14	7		7	.2	4		3									
LP		CR	GP	15	15		15	.5	3		11									
LP		CR	GP	16	4		4	.1			4									
LP		CR	GP	18	4		4	.1		4										
LP		CR	GP	20	3		3	.1	2	1										
LP		CR	GP	23	1		1	.0	1											
LP		CR	GP	25	6		6	.2			6									
LP		CR	GP	28	2		2	.1		2										
LP		CR	GP	30	5		5	.2	5											
LP		CR	GP	40	5		5	.1		5										
LP		CR	DP	26	2		2	.1	2											
LP		Totals			3,175	1.2	3,135	52.0	18	13	1306	928	639	184	35	13				
WF		CR	CR	12	5		5	.5								5				
WF		CR	CR	13	11		11	1.0			6	0	4							
WF		CR	CR	17	62	1.1	61	5.9			17	30	5	6	4					

Log Stock Table - MBF

T32S R7.5 S30 Ty114
 THRU
 T32S R7.5 S32 Ty0124

Project: FULABUL
 Acres 745.00

Page 2
 Date 6/16/2006
 Time 3:15:53PM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-14	15-16	17-19	20-22	23-29	30-39	40+
WF		CR CR	23	19		19	1.9			16	3								
WF		CR CR	27	38		38	3.7			4	34								
WF		CR CR	30	10		10	1.0					10							
WF		CR CR	34	844	1.1	835	80.7			26	84	106	179	130	170	103	37		
WF		CR CR	40	34		34	3.3			6	29								
WF		CR GP	14	5		5	.5	2		3									
WF		CR GP	17	4		4	.3		4										
WF		CR GP	18	3		3	.3		2		1								
WF		CR GP	19	3		3	.2			3									
WF		CR GP	20	7		7	.7			1			6						
WF		Totals		1,045		1,035	17.2	2	10	80	180	115	191	144	170	109	37		
PP		CR CR	10	8		8	.4					5	3						
PP		CR CR	12	26		26	1.4			0	15	2	4	5					
PP		CR CR	13	1		1	.0			1									
PP		CR CR	14	28	2.2	27	1.5			1	14	2	10						
PP		CR CR	16	55	1.6	54	2.9				32	3	13			6			
PP		CR CR	17	3		3	.2			3									
PP		CR CR	18	20	1.7	19	1.0				2		3	2		3	8		
PP		CR CR	20	51		51	2.7			3	29	13	6						
PP		CR CR	22	40		40	2.1				21	4	2		7	4			
PP		CR CR	24	61	1.8	60	3.2				28	8	9	12	3				
PP		CR CR	26	23		23	1.2				11	4			8				
PP		CR CR	28	67	4.3	64	3.4				26		20	4	4	8			
PP		CR CR	30	40		40	2.1				14		26						
PP		CR CR	32	1,036	1.7	1,019	54.7			5	99	117	227	153	190	208	19		
PP		CR CR	34	98	2.4	95	5.1				23	24	24	16	8				
PP		CR CR	36	50		50	2.7				22	6		6	7	8			
PP		CR CR	38	18		18	1.0				18								
PP		CR CR	40	147		146	7.8			13	68	34	18	7	7				
PP		CR GP	10	1		1	.0		1										
PP		CR GP	11	7		7	.4			7									
PP		CR GP	12	3		3	.1			1	2								
PP		CR GP	13	7		7	.4	4			2								
PP		CR GP	14	28		28	1.5	11	1	16									
PP		CR GP	15	10		10	.5		3	3	1	3							
PP		CR GP	16	25		25	1.3	2	11	9	4								
PP		CR GP	17	6		6	.3	2			5								

Log Stock Table - MBF

T32S R7.5 S30 Ty114
THRU
T32S R7.5 S32 Ty0124

Project: FULABUL
Acres 745.00

Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
									2-3	4-5	6-7	8-9	10-11	12-14	15-16	17-19	20-22	23-29	30-39	40+
PP		CR	GP	18	9		9	.5	1	2	6									
PP		CR	GP	19	6		6	.3	1	2	3									
PP		CR	GP	20	5		5	.3	1	2	2									
PP		CR	GP	21	2		2	.1	2											
PP		CR	GP	24	2		2	.1	2											
PP		CR	GP	33	8		8	.4	8											
PP		CR	GP	40	3		3	.1		3										
PP		Totals			1,891	1.4	1,864	30.9	33	24	72	437	216	367	209	239	239	28		
Total		All Species			6,111	1.2	6,035	100.0	53	47	1457	1546	969	742	387	421	348	65		

Species Table Report

TblSpecies

Date: 06/16/2006

Page: 1

Table Name: KL SPECIES

Code	Abrv	Description	Bark Ratio	ASub 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	P PINE	.87	PP	.85	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	M
2	WF	WHITE F	.94	NF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M
3	LP	LP PINE	.96	DF	.9	C	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	M
5	SP	SUG PINE	.87	PP	.84	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	M
6	IC	INC CED	.9	SS	.8	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M

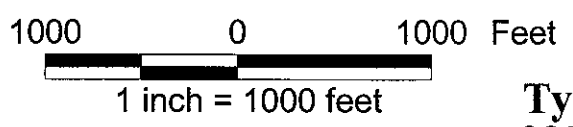
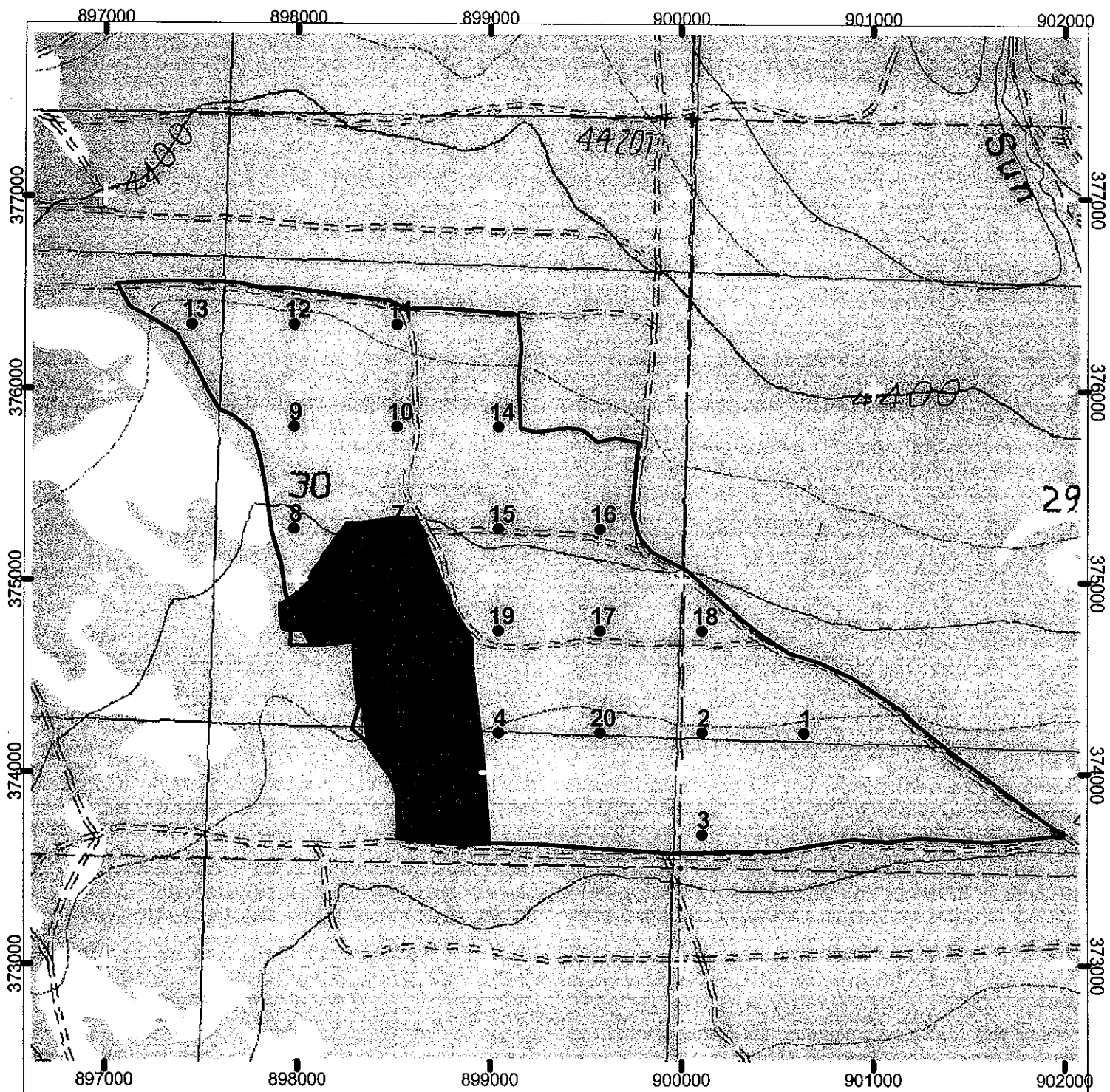
Sort/Grade Table

TblSortGrade

Table Name: KLAMATH

Date: 06/16/2006

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



Full A Bull T.S.
341-07-034
Cruise Map
 T32S,R7.5E, Section 30
 Klamath County, OR

Type 114
235 acres



CRUISE INFO
 Plot Spacing:
 See Attached For
 Line and Plot Info.
 FPSgroup TEMP

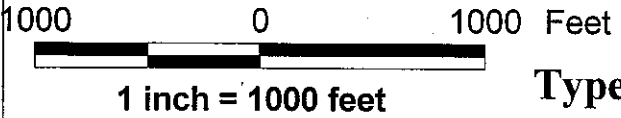
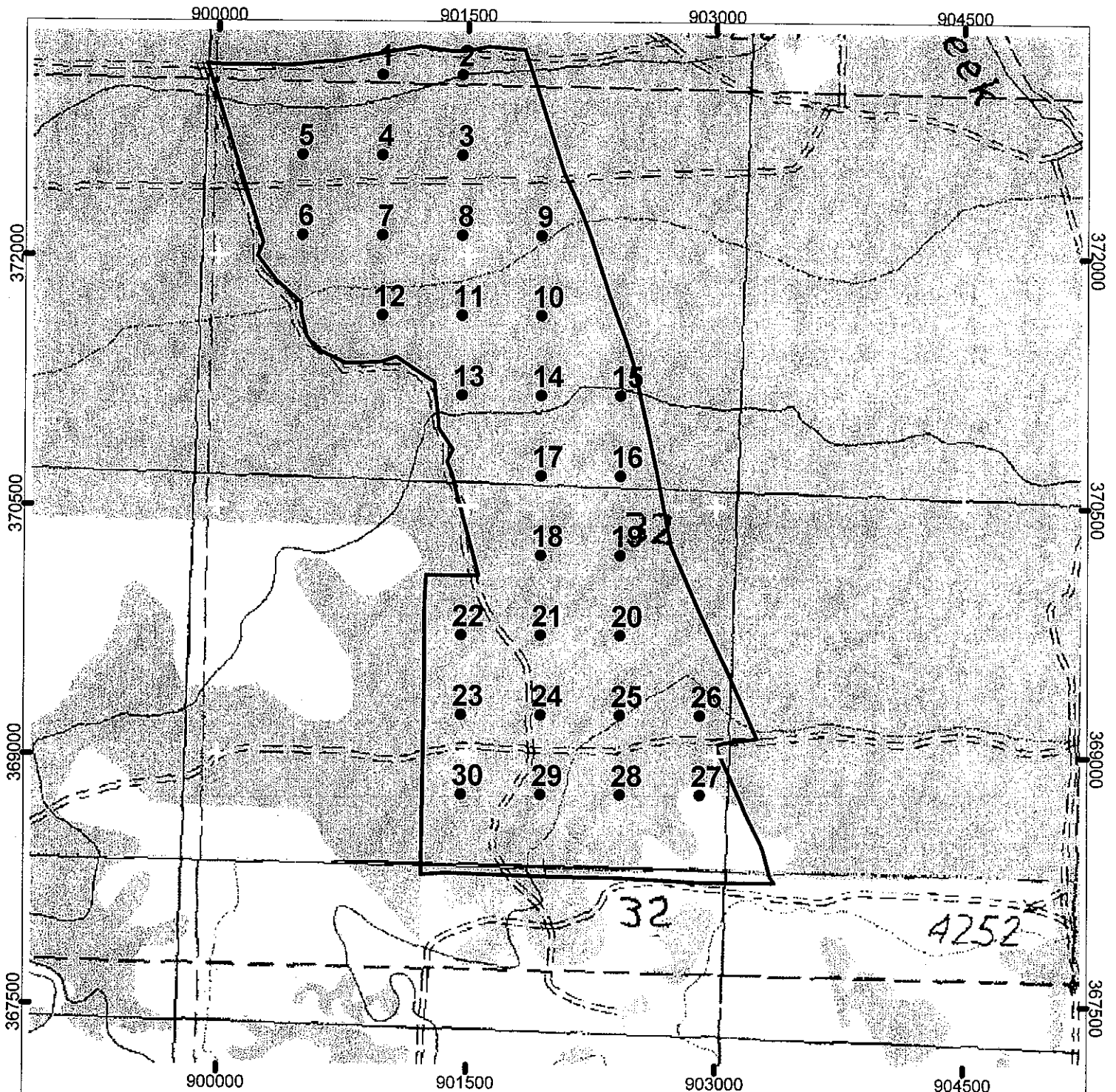
CRUISER
 Craig Leech
 Ed Scheick

PLOTS
 16

- Type and Owner Boundary
- Stand Boundary
- Section Lines
- Roads
- Streams
- Ownership Bdry
- Line Start Point



"STEWARDSHIP IN FORESTRY"
 Cruise Date: 6/2006



Type 121-122
194 acres

Full A Bull T.S.
341-07-034
Cruise Map

T32S,R7.5E, Section 32
Klamath County, Or



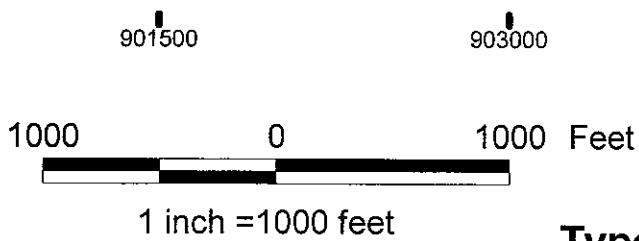
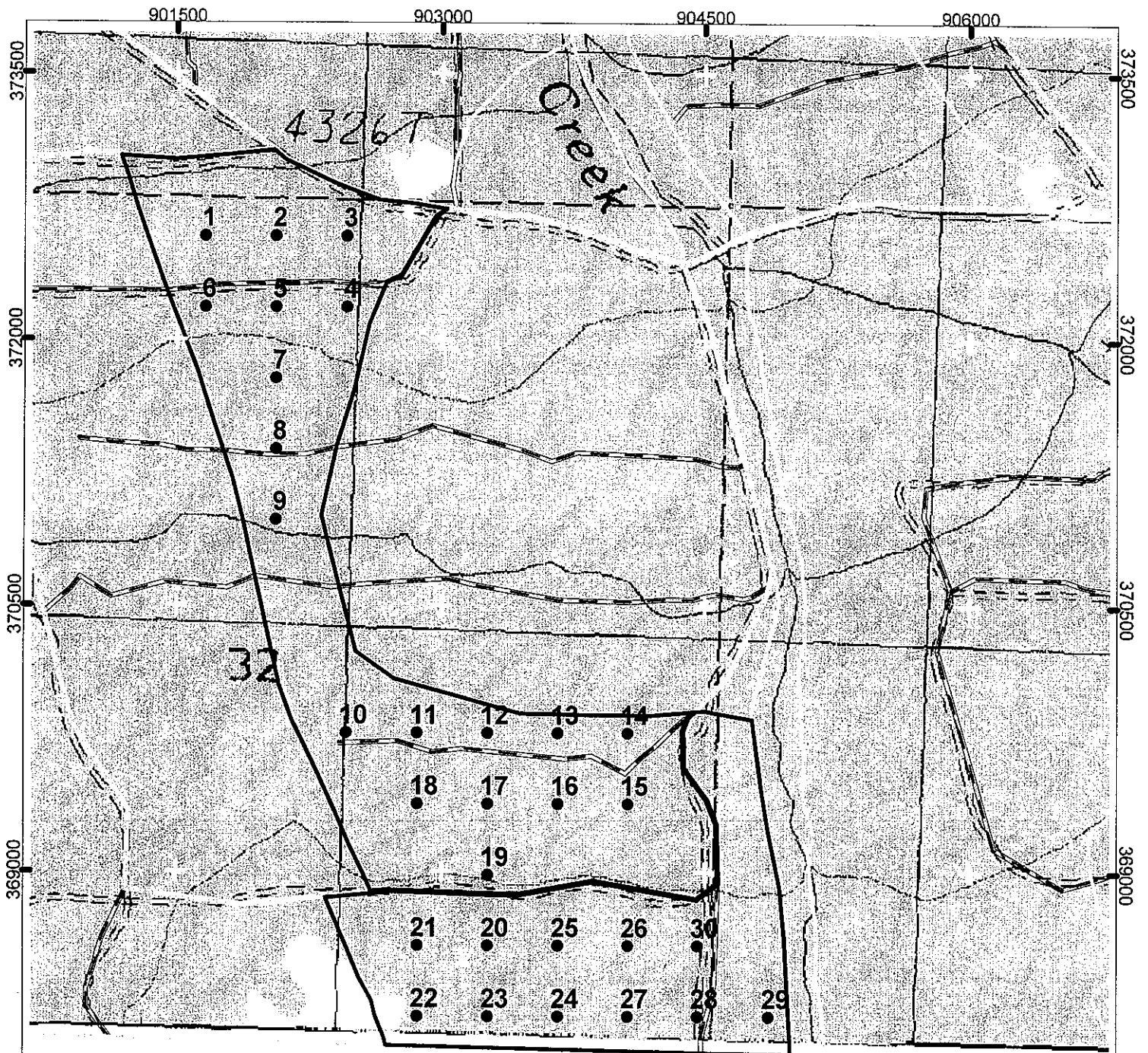
CRUISE INFO
Plot Spacing:
See Attached For
Line and Plot Info.
FPSgroup TEMP

CRUISER	PLOTS
Craig Leech Ed Scheick	30

- Type and Owner Boundary
- Stand Boundary
- Section Lines
- Roads
- Streams
- Ownership Bdry
- Line Start Point



"STEWARDSHIP IN FORESTRY"
Cruise Date: 3/2006



**Full A Bull T.S.
341-07-034
Cruise Map**

T32S,R7.5E Section 32
Klamath County, Or



Type 123

CRUISE INFO
Plot Spacing:
See Attached For
Line and Plot Info.
FPSgroup TEMP

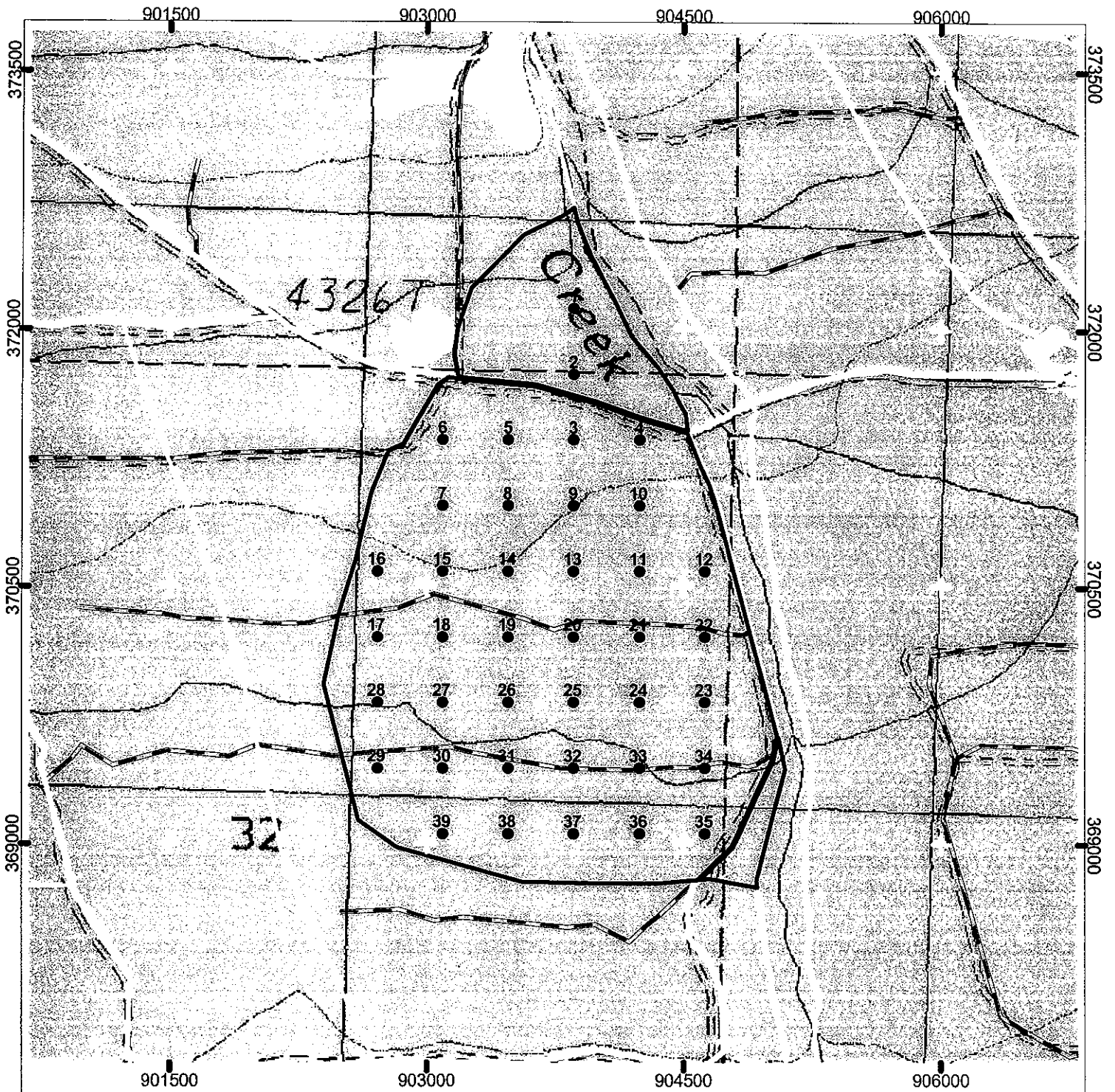
CRUISER
Craig Leech
Ed Scheick

PLOTS
30

- Type and Owner Boundary
- Stand Boundary
- Section Lines
- Roads
- Streams
- Ownership Bdry
- Line Start Point



"STEWARDSHIP IN FORESTRY"
Cruise Date: 3/2006



1000 0 1000 Feet



1 inch = 1000 feet

Type 124
148 acres

Full A Bull T.S.
341-07-034
Cruise Map

T32S,R7.5E Section 32
Klamath County, Or



CRUISE INFO
Plot Spacing:
See Attached For
Line and Plot Info.
FPSgroup TEMP

CRUISER
Craig Leech
Ed Scheick

PLOTS
39

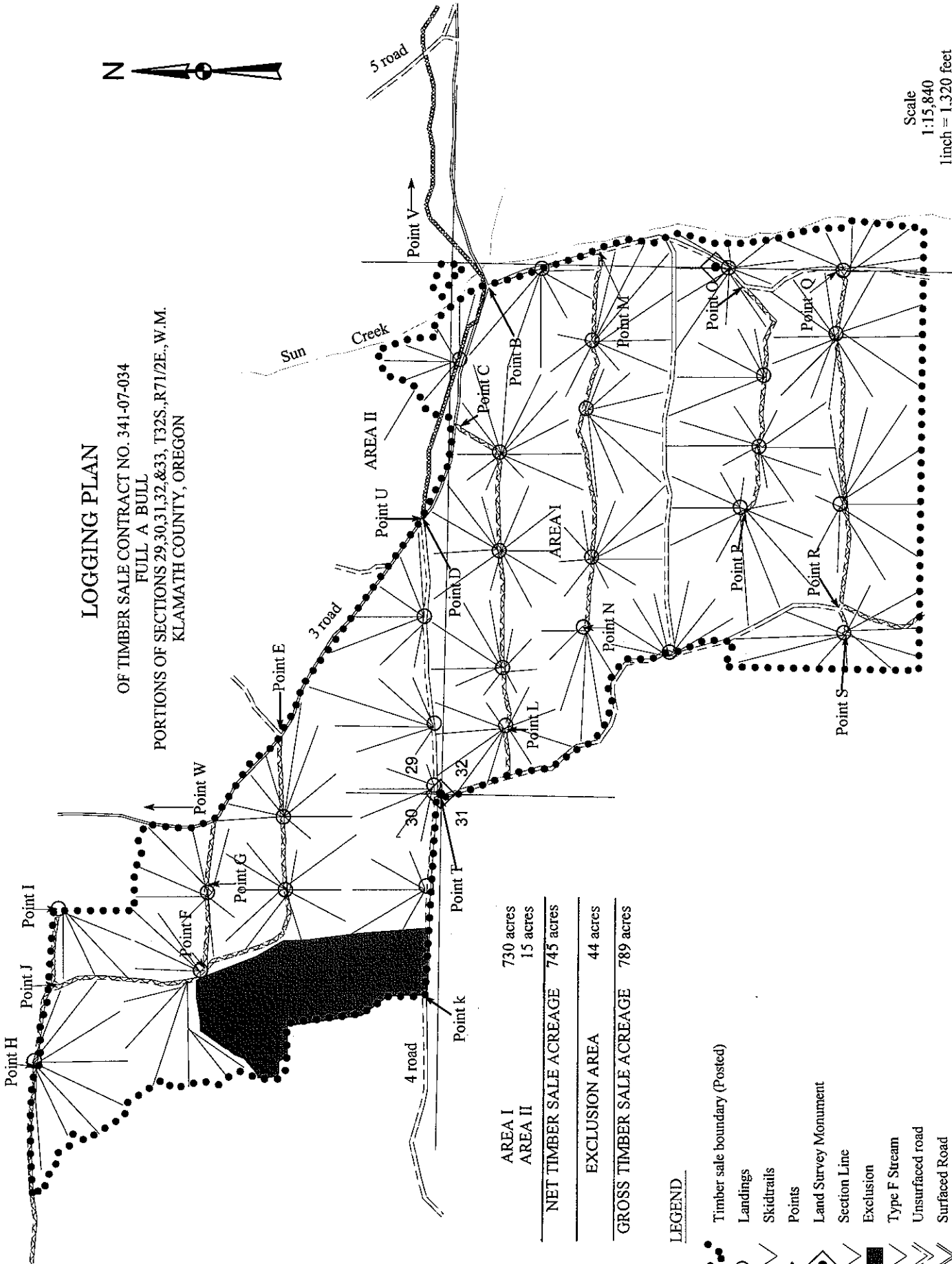
- Type and Owner Boundary
- Stand Boundary
- Section Lines
- Roads
- Streams
- Ownership Bdry
- Line Start Point



"STEWARDSHIP IN FORESTRY"
Cruise Date: 3/2006

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-07-034
 FULL A BULL
 PORTIONS OF SECTIONS 29,30,31,32,&33, T32S.,R71/2E., W.M.
 KLAMATH COUNTY, OREGON



AREA I	730 acres
AREA II	15 acres
NET TIMBER SALE ACREAGE	745 acres
<hr/>	
EXCLUSION AREA	44 acres
GROSS TIMBER SALE ACREAGE	789 acres

LEGEND

- Timber sale boundary (Posted)
- Landings
- Skidtrails
- Points
- Land Survey Monument
- Section Line
- Exclusion
- Type F Stream
- Unsurfaced road
- Surfaced Road
- Unsurfaced Road (Improvement Required)
- Snowmobile Trail

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

