



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Sick Puppy  
Sale 341-08-54

District: Klamath/Lake

Date: October 04, 2007

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**cost summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$1,971,550.76	\$0.00	\$1,971,550.76
		<b>Project Work:</b>	\$(107,334.00)
		<b>Advertised Value:</b>	\$1,864,216.76



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**timber description**

Location: Portions of Sections 26, 34, 35, &36, T32S, R 7 1/2E; Portion of Section 2, T33S, R7 1/2E, W.M. , Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	15	0	95
Sugar Pine	15	0	97
Ponderosa Pine	13	0	97
Lodgepole Pine	12	0	97

Volume by Grade	Camprur	CR 14' -	CR 22'+	CR 6" - 8	CR 8" - 1	Total
White Fir	0	3,086	281	1,683	4,302	9,352
Sugar Pine	0	82	0	115	175	372
Ponderosa Pine	0	103	13	257	270	643
Lodgepole Pine	51	0	0	0	0	51
Total	51	3,271	294	2,055	4,747	10,418

comments: Pond Values Used: 3rd Quarter Calendar Year 2007.

Log Market: Klamath Falls and Medford

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (Profit and Risk to be added):

Dust Abatement: \$62,858.

Brand and Paint: \$8,360

TOTAL Other Costs (Profit and Risk to be added) = \$71,218



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**logging conditions**

**combination#: 1**

White Fir	38.00%
Sugar Pine	47.00%
Ponderosa Pine	59.00%
Lodgepole Pine	100.00%

**yarding distance:** Short (400 ft)      **downhill yarding:** No  
**logging system:** Wheel Skidder      **Process:** Feller Buncher  
**tree size:** Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF  
**loads / day:** 10.0      **bd. ft / load:** 4,000  
**cost / mbf:** \$83.85

**machines:** Log Loader (B)  
Stroke Delimber (B)  
Feller Buncher w/ Delimber  
Tire Skidder

**combination#: 2**

White Fir	62.00%
Sugar Pine	53.00%
Ponderosa Pine	41.00%

**yarding distance:** Short (400 ft)      **downhill yarding:** No  
**logging system:** Track Skidder      **Process:** Manual Falling/Delimiting  
**tree size:** Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 10.0      **bd. ft / load:** 4,800  
**cost / mbf:** \$71.68

**machines:** Log Loader (B)  
Track Skidder



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**logging costs**

Operating Seasons:	2.00	Profit Risk:	12.00%
Project Costs:	\$107,334.00	Other Costs (P/R):	\$71,218.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

**Miles of Road**

Road Maintenance: \$0.25

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	4.5
Sugar Pine	\$0.00	3.0	4.2
Ponderosa Pine	\$0.00	3.0	4.0
Lodgepole Pine	\$0.00	3.0	4.0



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**Local Pond Values**

Date	Specie	Grade	Value
10/4/07	White Fir	CR 6" - 8"	\$335.00
10/4/07	White Fir	CR 8" - 14"	\$345.00
10/4/07	White Fir	CR 14" - 22"	\$345.00
10/4/07	White Fir	CR 22"+	\$345.00
10/4/07	Sugar Pine	CR 6" - 8"	\$290.00
10/4/07	Sugar Pine	CR 8" - 14"	\$305.00
10/4/07	Sugar Pine	CR 14" - 22"	\$390.00
10/4/07	Sugar Pine	CR 22"+	\$480.00
10/4/07	Ponderosa Pine	CR 6" - 8"	\$265.00
10/4/07	Ponderosa Pine	CR 8" - 14"	\$330.00
10/4/07	Ponderosa Pine	CR 14" - 22"	\$415.00
10/4/07	Ponderosa Pine	CR 22"+	\$495.00
10/4/07	Lodgepole Pine	Camprun	\$305.00



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**logging costs breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>White Fir</b>									
\$76.30	\$0.26	\$0.84	\$48.62	\$6.84	\$15.94	\$0.00	\$2.00	\$0.00	\$150.80
<b>Sugar Pine</b>									
\$77.40	\$0.26	\$0.84	\$51.09	\$6.84	\$16.37	\$0.00	\$2.00	\$0.00	\$154.80
<b>Ponderosa Pine</b>									
\$78.86	\$0.26	\$0.84	\$53.64	\$6.84	\$16.85	\$0.00	\$2.00	\$0.00	\$159.29
<b>Lodgepole Pine</b>									
\$83.85	\$0.26	\$0.84	\$53.64	\$6.84	\$17.45	\$0.00	\$2.00	\$0.00	\$164.88

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$343.20	\$192.40	\$0.00
Sugar Pine	\$0.00	\$319.10	\$164.30	\$0.00
Ponderosa Pine	\$0.00	\$320.97	\$161.68	\$0.00
Lodgepole Pine	\$0.00	\$305.00	\$140.12	\$0.00



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**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	9,352	\$192.40	\$1,799,324.80
Sugar Pine	372	\$164.30	\$61,119.60
Ponderosa Pine	643	\$161.68	\$103,960.24
Lodgepole Pine	51	\$140.12	\$7,146.12

**Gross Timber Sale Value**

Recovery: \$1,971,550.76

Prepared by: Ed Scheick

Phone: 541-883-5681

**Summary of Project Work**

**Sick Puppy  
341-08-54**

<b>Project #1:</b> Road construction and improvement.....	\$5,768.00
<b>Project #2:</b> Road surfacing.....	\$34,516.00
<b>Project #3:</b> Felling, yarding, and piling of submerchantable trees.....	\$36,950.00
<b>Project #4:</b> Sporax stump treatment.....	\$29,200.00
<b>Project #5:</b> Road closures.....	\$900.00

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**TOTAL: \$107,334.00**



# Sick Puppy

## Additional Work and Project Work

341-08-54



### Additional Work

#### Road Maintenance

Move-in cost (grader):	\$ 300,000
Number of Bladings	2
Number of Miles to be Bladed	6.1
Miles / Hour for equipment	0.5
Cost / Hour:	\$ 195,000
<b>Total Grading Hours:</b>	<b>24.4</b>
<b>Grading Cost: \$</b>	<b>2,318.00</b>
<b>Total Cost: \$</b>	<b>2,618.00</b>
<b>Cost / MBF \$</b>	<b>0.25</b>

#### Dust Abatement (Profit & Risk Included)

WF	9,352,000	BF	90% Average Load	4250	BF	2200	# of Loads
PP&SP	1,015,000	BF	10% Average Load	3500	BF	290	# of Loads
LP	51,000	BF	0% Average Load	3200	BF	16	# of Loads
<b>Total:</b>	<b>10,418,000</b>	BF				<b>2506</b>	<b>Total Loads</b>

Assume:

6	Trucks/Day		
2	Trips / Day	209	Hauling Days
12	Loads Per Day	4	Hours / Day
		\$ 75.00	Cost / Hour
		836	Total Hours
		\$ 158,000	Move-In for Water Truck
		\$ 62,700.00	Dust Abatement Cost
		\$ 62,858.00	<b>Total Cost</b>
		\$ 6.03	<b>Cost / MBF</b>

#### Brand & Paint (Profit & Risk Included)

209	Hauling Days
2	Hours / Day
\$ 20,000	Cost / Hour
\$ 8,360.00	<b>Total Cost</b>
\$ 0.80	<b>Cost / MBF</b>

#### Other Costs Summary (Profit & Risk Included)

\$ 62,858.00	Total Cost for Dust Abatement
\$ 8,360.00	Total Cost for Log Branding
\$ 71,218.00	<b>Total Costs (Profit and Risk Included)</b>
\$ 6.84	<b>Cost/MBF</b>

# Sick Puppy

## Additional Work and Project Work

341-08-54



### Project Work

#### Project #1 Road Construction and Improvement

Move in Cost Cat \$370

#### New Construction

	Points	Distance (ft.)	Feet/Hour	Hours	Cost/Hr.	Cost
Clear/Grub	A to B	290	300	0.97	\$100	96.67
Clear/Grub	C to D	370	300	1.23	\$100	123.33
Clear/Grub	E to F	860	300	2.87	\$100	286.67
Clear/Grub	F to G	140	300	0.47	\$100	46.67
Clear/Grub	F to H	400	300	1.33	\$100	133.33
<b>TOTAL COST</b>						<b>\$ 686.67</b>

#### Road Improvement

	Points	Distance (ft.)	Feet/Hour	Hours	Cost/Hr.	Cost
Clear/Shape	I to J	2290	600	3.82	\$100	\$ 381.67
Clear/Shape	K to L	3450	600	5.75	\$100	\$ 575.00
Clear/Shape	L to M	790	600	1.32	\$100	\$ 131.67
Clear/Shape	M to N	1080	600	1.80	\$100	\$ 180.00
Clear/Shape	M to Q	2140	600	3.57	\$100	\$ 356.67
Clear/Shape	N to O	1460	600	2.43	\$100	\$ 243.33
Clear/Shape	N to P	4920	600	8.20	\$100	\$ 820.00
Clear/Shape	L to R	2300	600	3.83	\$100	\$ 383.33
Clear/Shape	R to S	1660	600	2.77	\$100	\$ 276.67
Clear/Shape	S to T	320	600	0.53	\$100	\$ 53.00
Clear/Shape	S to U	590	600	0.98	\$100	\$ 98.00
Clear/Shape	U to V	1260	600	2.1	\$100	\$ 210.00
Clear/Shape	R to X	1345	600	2.24	\$100	\$ 224.17
Clear/Shape	X to W	1940	600	3.23	\$100	\$ 323.33
Clear/Shape	X to U	770	600	1.28	\$100	\$ 128.33
Clear/Shape	Y to Z	1955	600	3.26	\$100	\$ 325.83
<b>TOTAL COST</b>						<b>\$ 4,711.00</b>

Road Construction \$ 686.67

Road Improvement \$ 4,711.00

Move in Cat \$ 370.00

**Total Project #1 Cost: \$5768.00**

# Sick Puppy

## Additional Work and Project Work

341-08-54



### Project Work

#### Project #2 13 & 15 Road Shaping and Surfacing

#### Rock Surfacing ~ Delivered

1 1/2 -	Rock Size
1.45	Length (Miles)
7656	Length (feet)
14	Width (feet)
4	Depth (inches)
35,728.0	Cubic Feet
621.0	Additional Cubic Feet for Curve Widening
36349.0	Total Cubic Feet
1,346.3	Cubic Yards
\$ 16.88	Cost / Yard
1.3	Expansion Factor
1750.1	Cubic Yards (Loose)
1.35	Tons/Cubic Yard
2362.685	Tons
98	No. of Belly Dump Loads
\$ 12.50	Price / Ton
\$ 29,533.56	Total Price

#### Rock Spreading (Grader)

Number of Bladings	3
Number of Miles to be Bladed	1.45
Miles / Hour for equipment	0.25
Cost / Hour:	\$95.00
Total Grading Hours:	17.40
Grading Cost:	1,653.00

#### Pull Ditches / Shape Road (Prior to Rocking)

Feet / Hour	500
Total Feet	7656
Total Hours	15.31
Cost / Hour	\$95.00
Total \$	1,454.64

#### Water Truck to work with Grader

Number of Hours	25
Cost / Hour	\$75.00
Total \$	1,875.00

#### Road Shaping & Surfacing Cost Summary

Rock Surfacing	\$	29,533.56
Rock Spreading	\$	1,653.00
Pull Ditches	\$	1,454.64
Water Truck	\$	1,875.00
<b>Total Cost</b>	<b>\$</b>	<b>34,516.20</b>

**Total Project #2 Cost: \$34,516.00**

# Sick Puppy

## Additional Work and Project Work

### 341-08-54



### Project Work

#### Project #3 Fell, Skid, & Pile Submerchantable Material

519.00 Total Subsawlog Volume MBF

\$ 42.50 Fell & Skid / MBF

\$ 7.50 Sort / MBF

\$ 50.00 Total / MBF

**\$ 25,950.00 TOTAL COST**

#### Landing Cleanup (included in Project 3)

Number of Landings

50

		Cost/Hour	Total Cost:
Shovel Time:	Hours / Landing	\$ 120.00	\$6,000
Cat Time:	Hours / Landing	\$ 100.00	\$5,000
	<b>TOTAL</b>		<b>\$11,000</b>

**Total Project # 3 Cost: \$36,950.00**

#### Project #4 Sporax Stump Treatment

Acres to be treated	732
Basal Area/Acre of WF>10"DBH	86
Basal Area/Acre Treated per Lb. Sporax	25
Pounds Sporax / Acre necessary for treatment	3.44
Price/lb. Sporax	\$1.68
Dye Pirce (Concrete dye -100 lbs.)	\$190.00
Cost for chemical supplies	\$4,420.37

#### State to Provide Chemical Supplies

Cutting days (assume 5 acres/ day)	146
Hours/day	10
Cost/Hour	\$20.00
Labor Cost	\$29,200.00

**Total Project #4 Cost: \$29,200.00**

# Sick Puppy

## Additional Work and Project Work

*341-08-54*



### Project Work

<i>Project #5 Road Closures</i>			
<b>Road Blocking</b>		<b>Waterbars</b>	
3	Number of Closure Points	6000	Feet of roads to be waterbarred
2	Hours/Point (include travel)	2000	Feet/Hour for Cat to waterbar
\$100.00	Cost/Hour (Cat)	\$100.00	Cost/Hour (Cat)
6	Total Hours	3	Total Hours
\$600.00	<b>TOTAL COST</b>	\$300.00	<b>TOTAL COST</b>
<b>Total Project #5 Cost: \$900.00</b>			

# **SICK PUPPY**

341-08-54  
*Cruise Report*



"STEWARDSHIP IN FORESTRY"

**SALE NAME:** Sick Puppy

**LEGAL DESCRIPTION:**

Township 32S, R7½ E, Portions of Sections 26, 34, 35, &36. Township 33S, R7½E, Portion of Section 2, 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. Exclusion area is posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

**FUND:** 100% B.O.F.

**ACREAGE:** .

Type 192      408 Acres  
Type 193      324 Acres  
Approximate Total Sale Acreage 732 Acres

Group Selection Harvest Units within the Sale total approximately 179 Acres. Mapping was accomplished using a handheld Global Positioning System unit with the data run on the district Geographical Information System Program.

**TREATMENT:**

The timber sale is a selection cut that is leave tree marked with orange 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.

**BASAL AREA FACTOR:**

Area	BAF	Type Acreage
Type 192	20BAF	408acres
Type 193	20BAF	324acres

**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:**

TYPE	CV%	DESIRED SE%	ACRES
Type 192	90	12	408
Type 193	80	12	324

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

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

Type 192       $N = \frac{(1)^2(90)^2}{(12)^2} = 56 \text{ plots}$       Took 56 plots

Type 193       $N = \frac{(1)^2(80)^2}{(12)^2} = 44 \text{ plots}$       Took 45 plots

**Measurements and Grading:**

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

**TREE HEIGHT:**

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

**MINIMUM D.B.H:**

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

**DIAMETER STANDARDS:**

1" diameter class

**BTR:**

Standard ratios were used. See attached species tables.

**FORM FACTOR:**

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

**FORM POINT:**

All trees were sighted at D.B.H.

**VOLUME COMPUTATION:**

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

**CRUISER:** Ed Scheick

**FINAL CRUISE RESULTS:**

<b>TYPE</b>	<b>CV%</b>	<b>SE%</b>	<b>ACRES</b>
Type192	85	11.4	408
Type193	63	9.4	324
COMBINED	74	7.5	732



## 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.

### **TYPE 192**

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	14.9	4979	4929
Ponderosa Pine	14.2	386	382
Sugar Pine	21.7	120	117
Lodgepole Pine	13.9	29	28

### **TYPE 193**

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	15.8	4454	4423
Ponderosa Pine	11.7	274	261
Sugar Pine	13.9	261	255
Lodgepole Pine	10.2	23	23

## TOTAL SAWLOG VOLUME

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	15.3	9433	9352
Ponderosa Pine	12.9	660	643
Sugar Pine	15.1	381	372
Lodgepole Pine	11.7	52	51

**TOTAL NET SAWLOG VOLUME: 10418 MBF**

### **GREEN PULP VOLUME:**

This volume was obtained from the variable cruise (>8" DBH) and the fixed plot cruise (5.0" – 8.0" DBH). All material was graded green pulp. See grade table for

minimum standards. The summary below includes both types of the timber sale.

SPECIES	V.PLOT VOLUME	F.PLOT VOLUME	TOTAL VOLUME
White Fir	44	283	327
Ponderosa Pine	48	91	139
Sugar Pine	10	29	39
Lodgepole Pine	0	14	14

**TOTAL GREEN PULP VOLUME: 519 MBF**

**PROJECT STATISTICS**  
PROJECT SICKPUP

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	7.5	35	COMBO	9293	732.00	101	601	1	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	101	601	6.0		
CRUISE	100	601	6.0	72,199	.8
DBH COUNT					
REFOREST COUNT					
BLANKS	1				
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	487	75.6	15.3	45	18	96.4	12,982	12,870	2,700	2,700
PPINE	75	16.4	12.9	31		14.9	967	944	246	246
SUG PINE	35	5.6	15.1	36		6.9	534	522	133	133
LP PINE	4	1.1	11.7	41		.8	71	69	17	17
<b>TOTAL</b>	<b>601</b>	<b>98.6</b>	<b>14.9</b>	<b>42</b>		<b>119.0</b>	<b>14,553</b>	<b>14,405</b>	<b>3,096</b>	<b>3,096</b>

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		102.7	4.6	320	335	351			
PPINE		186.6	21.5	108	137	167			
SUG PINE		119.7	20.2	154	193	232			
LP PINE		79.8	45.6	42	78	113			
<b>TOTAL</b>		<b>111.6</b>	<b>4.5</b>	<b>287</b>	<b>301</b>	<b>314</b>	<b>497</b>	<b>124</b>	<b>55</b>

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		87.7	4.0	63	65	68			
PPINE		145.4	16.8	26	31	36			
SUG PINE		101.8	17.2	37	45	53			
LP PINE		67.3	38.4	11	19	26			
<b>TOTAL</b>		<b>94.7</b>	<b>3.9</b>	<b>57</b>	<b>60</b>	<b>62</b>	<b>358</b>	<b>90</b>	<b>40</b>

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		97.4	9.7	68	76	83			
PPINE		172.2	17.1	14	16	19			
SUG PINE		268.9	26.7	4	6	7			
LP PINE		575.7	57.2	0	1	2			
<b>TOTAL</b>		<b>77.4</b>	<b>7.7</b>	<b>91</b>	<b>99</b>	<b>106</b>	<b>239</b>	<b>60</b>	<b>27</b>

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		78.9	7.8	89	96	104			
PPINE		161.2	16.0	12	15	17			
SUG PINE		221.4	22.0	5	7	8			
LP PINE		610.3	60.7	0	1	1			
<b>TOTAL</b>		<b>64.1</b>	<b>6.4</b>	<b>111</b>	<b>119</b>	<b>127</b>	<b>164</b>	<b>41</b>	<b>18</b>

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		83.4	8.3	11,803	12,870	13,937			
PPINE		173.0	17.2	782	944	1,107			
SUG PINE		238.3	23.7	398	522	646			
LP PINE		635.1	63.1	25	69	113			



**Species, Sort Grade - Board Foot Volumes (Project)**

T32S R7.5 S35 Ty9293      732.00	<b>Project:    SICKPUP</b>	<b>Page        1</b>
	<b>Acres        732.00</b>	<b>Date    8/7/2007</b>
		<b>Time    9:40:28AM</b>

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%    Gross    Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
									6-7	8-14	15-22	23+	12-20	21-30	31-35	36-99				
PP	CR	CR		93	2.5	901	878	643	40	42	16	3	31	10	45	14	23	60	0.68	14.7
PP	CR	GP		7		66	66	48	100					89	11		16	13	0.24	5.0
<b>PP Totals</b>				7	2.3	967	944	691	44	39	15	3	35	10	41	13	21	48	0.59	19.7
WF	CR	CR		99	.9	12,887	12,776	9,352	18	46	33	3	6	11	74	9	28	129	0.95	99.1
WF	CR	GP				60	60	44	85	15			72	28			17	17	0.30	3.6
WF	CR	UT		1		34	34	25			100				100		40	410	1.92	.1
<b>WF Totals</b>				89	.9	12,982	12,870	9,421	18	46	33	3	6	11	73	10	28	125	0.94	102.7
LP	CR	CR		100	2.3	71	69	51	67	33			7	37	56		28	56	0.49	1.2
<b>LP Totals</b>				0	2.3	71	69	51	67	33			7	37	56		28	56	0.49	1.2
SP			GP																0.00	.0
SP	CR	CR		97	2.3	520	508	372	31	47	22		13	10	58	19	27	84	0.81	6.0
SP	CR	GP		3		14	14	10	100				100				15	17	0.24	.8
<b>SP Totals</b>				4	2.2	534	522	382	33	46	21		16	10	57	18	25	76	0.77	6.9
<b>Totals</b>					1.0	14,553	14,405	10,544	20	46	31	3	9	11	70	10	27	110	0.89	130.5



Log Stock Table - MBF

T32S R7.5 S35 Ty9293 732.00

Project: SICKPUP  
Acres 732.00

Page 2  
Date 8/7/2007  
Time 9:41:15AM

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+
WF		CR	UT	40	25		25	.3					25							
WF		Totals			9,502		9,421	89.3		24	1674	1255	1228	1858	1278	1157	644	303		
LP		CR	CR	17	4		4	7.0			4									
LP		CR	CR	27	19		19	37.0			19									
LP		CR	CR	34	30	4.0	28	56.0			12		17							
LP		Totals			52	2.3	51	.5			34		17							
SP		CR	CR	12	7		7	1.9										7		
SP		CR	CR	14	9		9	2.3			5	4								
SP		CR	CR	16	23	1.8	22	5.8			22									
SP		CR	CR	20	11		11	3.0			6	5								
SP		CR	CR	23	4	40.0	3	.7			3									
SP		CR	CR	24	12		12	3.1			2		10							
SP		CR	CR	26	5		5	1.2			5									
SP		CR	CR	27	3		3	.9			3									
SP		CR	CR	28	14		14	3.7			8	6								
SP		CR	CR	32	193	1.9	189	49.5			25	17	56	33	28			31		
SP		CR	CR	34	27		27	7.1					13	14						
SP		CR	CR	40	73	4.1	70	18.2			35	19			15					
SP		CR	GP	14	2		2	.5			2									
SP		CR	GP	16	8		8	2.2			8									
SP		Totals			391	2.2	382	3.6			10	115	51	78	47	28	15	38		
Total		All Species			10,653	1.0	10,544	100.0			8	67	2086	1392	1403	2006	1325	1190	747	321

TblSortGrade

## Sort/Grade Table

Table Name: SUNPASS

Date: 07/31/2007

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	

## Species Table Report

TblSpecies

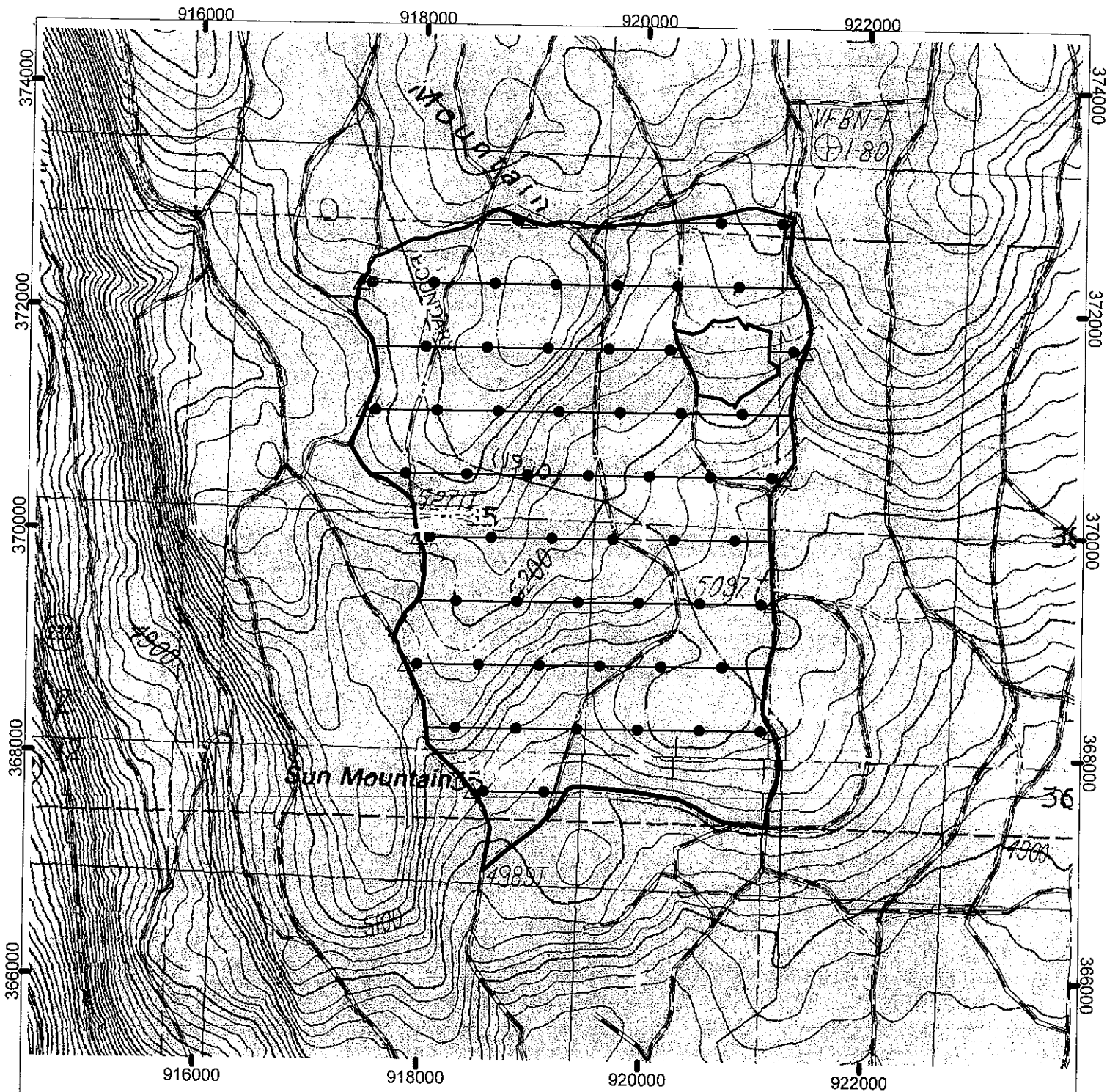
Date: 07/31/2007

Table Name: SUNPASS

Page: 1

Code	Abvr	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	.96	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





1268.833333 0 1268.833333 Feet



1 inch = 1268.83 feet

### SLI Stand Map

**Stand #: 40192, 408 acres**

S35 T32.00S R 7.50, W.M.  
KLAMATH County, OR



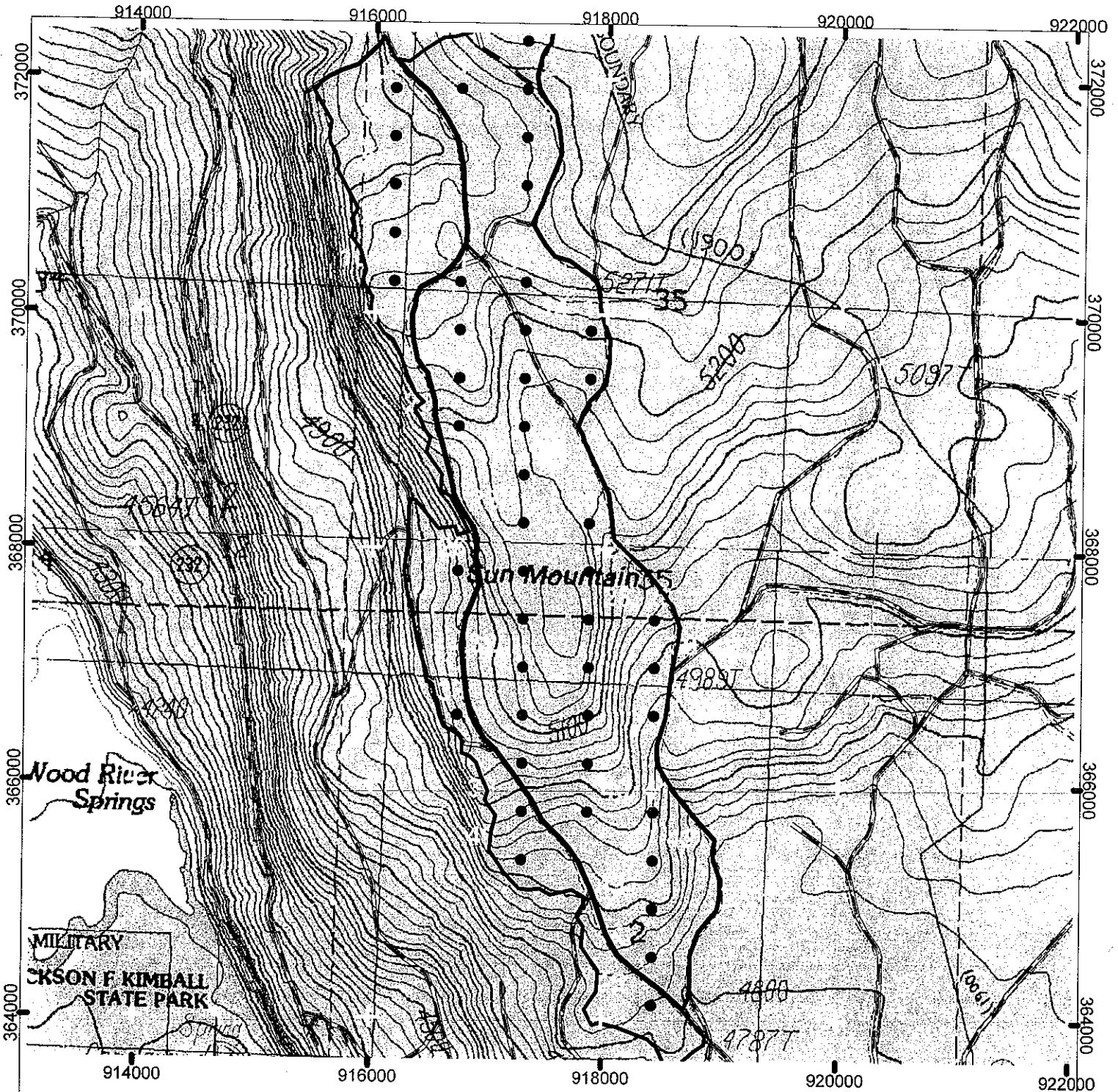
**CRUISE INFO**  
Plot Spacing: 550  
See Attached For  
Line and Plot Info.  
FPSgroup TEMP

**CRUISER**      **PLOTS**

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



"STEWARDSHIP IN FORESTRY"  
created: 06/19/2007



1204.916667 0 1204.916667 Feet  
 1 inch = 1204.92 feet

**SLI Stand Map**  
**Stand #: 40193, 324 acres**  
 S35 T32.00S R 7.50, W.M.  
 KLAMATH County, OR



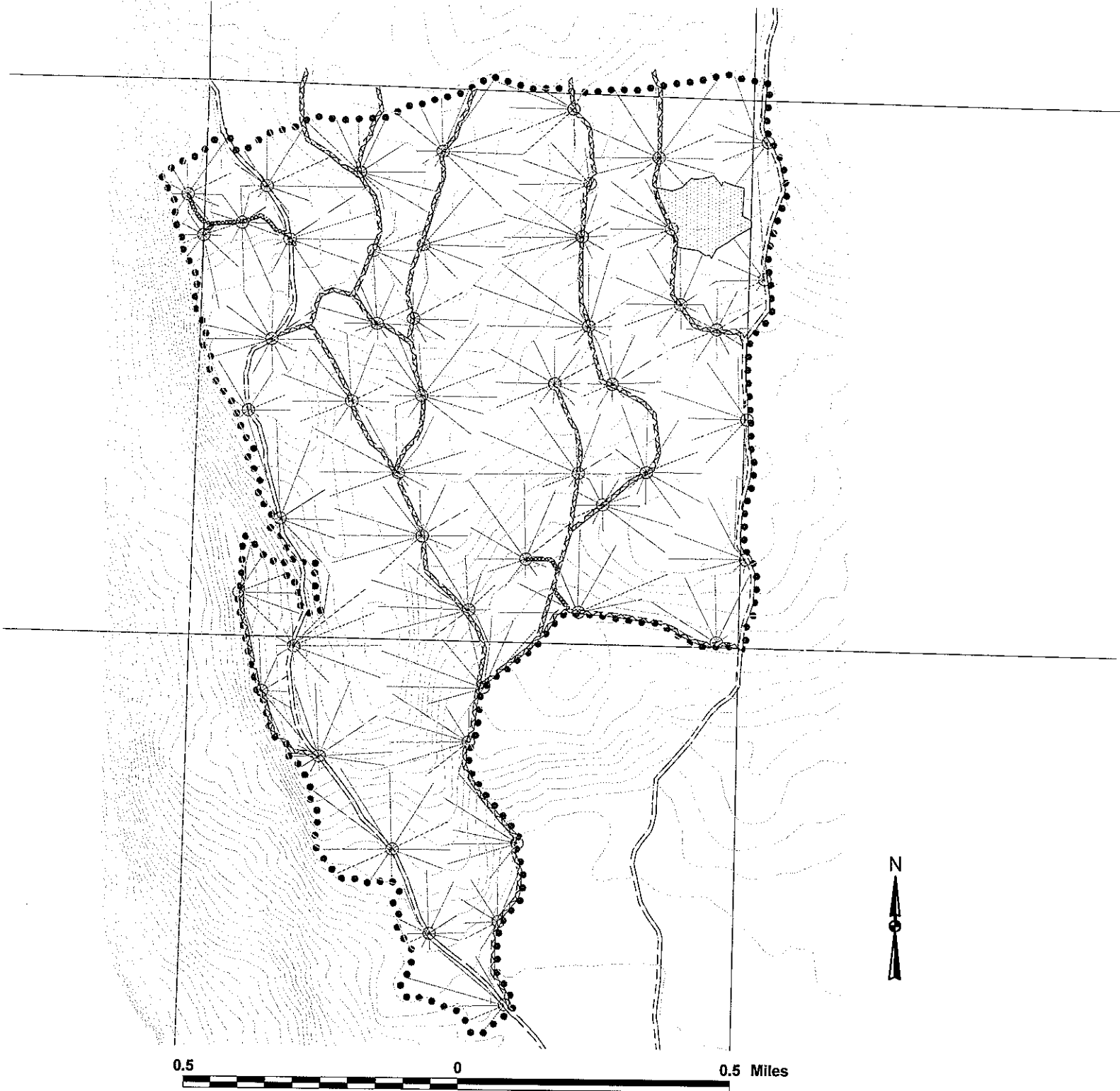
**CRUISE INFO**  
 Plot Spacing:  
 See Attached For  
 Line and Plot Info.  
 FPSgroup TEMP

**CRUISER**      **PLOTS**

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



"STEWARDSHIP IN FORESTRY"  
 created: 06/20/2007



0.5 0 0.5 Miles

SCALE  
1:15840  
1 Inch = 1320 Feet



LEGEND			
○	Landing	▬▬▬	Unsurfaced Road (Improvement Required)
— — —	40 Foot Contours	▬▬▬▬▬	Unsurfaced Road (Construction Required)
- - - - -	Skid Trail	■	Exclusion Area
□	Section Line	●●●	Timber Sale Boundary (Posted)
▬▬▬	Unsurfaced Road		

LOGGING PLAN  
 TIMBER SALE CONTRACT NO. 341-08-54  
 SICK PUPPY  
 PORTIONS OF SECTIONS 26, 34, 35, & 36 T32S, R7 1/2 E  
 PORTION OF SECTION 2, T33S, R7 1/2E, W.M.  
 KLAMATH COUNTY, OREGON  
 732 ACRES