



Timber Sale Appraisal
Slapdash
Sale 341-09-85

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: May 14, 2009

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$301,315.53	\$0.00	\$301,315.53
		Project Work:	\$(23,671.58)
		Advertised Value:	\$277,643.95



Timber Sale Appraisal
Slapdash
Sale 341-09-85

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: May 14, 2009

timber description

Location: Portions of Sections 21, 22, & 23, T 32S, R7.5E, W.M., Klamath County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	15	0	95
Lodgepole Pine	11	0	96

Volume by Grade	Camprun	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
White Fir	0	781	17	411	1,422	2,631
Lodgepole Pine	366	0	0	0	0	366
Total	366	781	17	411	1,422	2,997

comments: Pond Values Used: 1st Quarter Calendar Year 2009.

Log Markets: Klamath Falls and Medford.

Ponderosa Pine and Other Conifers Stumpage Price = Pond Value minus Logging Cost

\$100/MBF = \$260/MBF - \$160/MBF

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 and risk to be added):

Dust abatement: \$8,090.00

Log branding & painting: \$1,908.00

TOTAL Other Costs (with profit & risk to be added): \$9,998.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Slapdash
Sale 341-09-85

District: Klamath/Lake

Date: May 14, 2009

logging conditions

combination#: 1 White Fir 48.85%
 Lodgepole Pine 100.00%
yarding distance: Medium (800 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: 12.0 **bd. ft / load:** 3,700
cost / mbf: \$75.54

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

combination#: 2 White Fir 51.15%

yarding distance: Medium (800 ft) **downhill yarding:** Yes
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: \$70.96

machines: Log Loader (B)
 Track Skidder



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Slapdash
Sale 341-09-85

District: Klamath/Lake

Date: May 14, 2009

logging costs

Operating Seasons:	1.00	Profit Risk:	12.00%
Project Costs:	\$23,671.58	Other Costs (P/R):	\$9,998.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

Miles of Road

Road Maintenance: \$0.49

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	3.9
Lodgepole Pine	\$0.00	3.0	3.4

Local Pond Values

Date	Specie	Grade	Value
5/14/09	White Fir	CR 6" - 8"	\$250.00
5/14/09	White Fir	CR 8" - 14"	\$260.00
5/14/09	White Fir	CR 14" - 22"	\$270.00
5/14/09	White Fir	CR 22"+	\$275.00
5/14/09	Lodgepole Pine	Camprun	\$230.00



Timber Sale Appraisal
Slapdash
Sale 341-09-85

"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: May 14, 2009

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$73.20	\$0.51	\$1.46	\$56.09	\$3.34	\$16.15	\$0.00	\$5.00	\$0.00	\$155.75
Lodgepole Pine									
\$75.54	\$0.51	\$1.46	\$63.72	\$3.34	\$17.35	\$0.00	\$5.00	\$0.00	\$166.92

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$261.50	\$105.75	\$0.00
Lodgepole Pine	\$0.00	\$230.00	\$63.08	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Slapdash
Sale 341-09-85

District: Klamath/Lake

Date: May 14, 2009

summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
White Fir	2,631	\$105.75	\$278,228.25
Lodgepole Pine	366	\$63.08	\$23,087.28

Gross Timber Sale Value

Recovery: \$301,315.53

Prepared by: Ed Scheick

Phone: 541-883-5681

Summary of Project Work



Slapdash
341-09-85

Project # 1: Sun Mountain Road (232) Spot Rock Replacement	\$3,364.33
Project # 2: Road Construction and Improvement	\$5,646.00
Project # 3: Fell, Skid, and Pile Submerchantable Trees	\$13,203.75
Project #4: Road Closures.....	\$1,457.50
	<hr/>
Total:	\$23,671.58

Slapdash

341-09-85
Other Costs



Road Maintenance

Move-in cost (grader):	\$	400.00
Number of Bladings		1
Number of Miles to be Bladed		5.0
Miles / Hour for equipment		0.5
Cost / Hour (grader with operator):	\$	105.50
Total Grading Hours:		10
Grading Cost:	\$	1,059.00
Total Cost:	\$	1,459.00
Cost / MBF	\$	0.49

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

WF	2,631	MBF	88%	Average Load	3,900	BF	675	# of Loads
LP	366	MBF	12%	Average Load	3,400	BF	108	# of Loads
Total:	2,997	MBF				Total Loads	782	

Assume:

5	Trucks/Day
2	Trips / Day
15	Loads Per Day

53	Hauling Days
30	Possible # of Summer Haul
3	Hours / Day
\$ 38.00	Cost / Hour
90	Total Hours
\$ 170.00	Move-In for Water Truck
\$ 7,920.00	Dust Abatement Cost
\$ 8,090.00	Total Cost
\$ 2.70	Cost / MBF

Assuming a period of operation will occur during the summer haul period

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

53	Hauling Days
	Hours / Day
2,490.00	Cost / Hour
\$ 1,908.00	Total Cost
\$ 0.64	Cost / MBF

Other Costs Summary

\$ 1,459.00	Total Cost for Road Maintenance (\$.49 / MBF).
\$ 8,090.00	Total Cost for Dust Abatement (\$2.70 / MBF).
\$ 1,908.00	Total Cost for Branding (\$.64 / MBF)
\$ 11,457.00	Total Other Costs (\$3.83/MBF)

Slapdash

341-09-85

Project Work



Project #1 Sun Mountain Road Spot Rock Replacement

Rock Surfacing ~ Delivered	
1 1/2" Minus	Rock Size
0.14	Length (Miles)
750	Length (feet)
16	Width (feet)
8	Depth (inches)
3,000.0	Cubic Feet
111.1	Cubic Yards
\$ 16.20	Cost / Yard
1	Expansion Factor
144.4	Cubic Yards (Loose)
1.35	Tons/Cubic Yard
195.00	Tons
8	No. of Belly Dump Loads*
\$ 12.00	Price / Ton (Rock \$8.00/ton + \$4.00/ton delivery)
\$ 2,340.00	Total Price

One of these loads is to be dumped and spread at Point P, after culver installation.

Rock Spreading (Grader)	
3	Number of Bladings
0.14	Number of Miles to be Bladed
0.25	Miles / Hour for equipment
\$ 105.50	Cost / Hour:
1.70	Total Grading Hours:
\$ 179.83	Grading Cost:

Construct / Improve Lead Off Ditch (Grader)	
3	No. of Ditches
0.5	Hours / Ditch
1.5	Total Hours
\$ 105.50	Cost / Hour
\$ 158.25	Total \$

Pull Ditches / Shape Road	
500	Feet / Hour
750	Total Feet
1.5	Total Hours
\$ 105.50	Cost / Hour
\$ 158.25	Total \$

Water Truck to work with Grader	
6.0	Number of Hours
\$ 88.00	Cost / Hour
\$ 528.00	Total \$

Road Shaping & Surfacing Cost Summary

Rock Surfacing	\$ 2,340.00
Rock Spreading	\$ 179.83
Ditch Construction	\$ 158.25
Pull Ditches	\$ 158.25
Water Truck	\$ 528.00
Total Cost Project #1	\$ 3,364.33

Slapdash

341-09-85

Project Work (Continued)



Project # 2 Road Construction and Improvement

Move-in cost Dozer	\$	400.00
Move-in cost Grader	\$	400.00
Move-in cost Excavator	\$	400.00

D-6 Dozer(\$106/hour+
26.50/hour for operator)

Road Construction

	Points	Distance (feet)	Feet / Hour	Hours	Cost / Hour	Cost
Clear/Grub	A to B	800	1000	0.8	\$ 132.50	\$ 106.00
Clear/Grub	C to D	475	1000	0.5	\$ 132.50	\$ 62.94
Clear/Grub	E to F	425	1000	0.4	\$ 132.50	\$ 56.31
Clear/Grub	Landing Spurs*	200	1000	0.2	\$ 132.50	\$ 26.50
Total:						\$ 251.75

*All landings along 232 shall be located 50 ft. from road

Road Improvement

	Points	Distance (feet)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Remove Brush	G to H	2900	1000	2.9	\$ 132.50	\$ 384.25
Open/Remove Brush	I to J	3500	1000	3.5	\$ 132.50	\$ 463.75
Open/Remove Brush	K to L	3200	1000	3.2	\$ 132.50	\$ 424.00
Open/Remove Brush	M to N	675	1000	0.7	\$ 132.50	\$ 92.75
Open/Remove Brush	N to O	2200	1000	2.2	\$ 132.50	\$ 291.50
Total						\$ 1,656.25

Culvert Removal & Replacement

	Cost / Hour	Hours	Cost
Excavator	\$ 120.00	12.0	\$ 1,440.00
Operator	\$ 26.50	12.0	\$ 318.00
			\$ 1,758.00

Quote from JAV
Kerns - Klamath Falls,
OR
4/05/09

One load of road surfacing rock 1 1/2" to 5" placed & bladed at Point P following the completion of culvert installation.

18" x 26' culvert	\$	475.00
18" band	\$	25.00
10 tons 3/4- bedding rock (delivered)	\$	120.00
Labor for Culvert (2 hours * \$30.00/hour)	\$	60.00
Water source-cutting/grinding (Fire Season)	\$	100.00
Total Cost for Culvert Repair:	\$	2,538.00

Slapdash

341-09-85

Project Work (Continued)



Project #2 Cost Summary

Move -in cost	\$	1,200.00
Road Construction	\$	251.75
Road Improvement	\$	1,656.25
Culvert Replacement	\$	2,538.00

Total Cost Project #2 \$ 5,646.00

Project #3 Fell, Skid, & Pile Submerchantable Material - Area I only

175:00	Total Subsawlog Volume MBF	102	WF Green Pulp (MBF)
		73	LP Green Pulp (MBF)
		175	Total MBF

\$	50.00	Fell & Skid / MBF
\$	10.00	Sort / MBF
\$	60.00	Total / MBF
\$	10,500.0	Total Cost

Landing Cleanup (included with Project # 3) Area I and II

7:21	Number of Landings			
	Shovel Time:	0.5	Hours / Landing	\$ 125.00 Cost / Hour \$ 1,312.50
	Cat Time:	0.5	Hours / Landing	\$ 132.50 Cost / Hour \$ 1,391.25
				Total Cost: \$ 2,703.75

Total Cost Project #3 \$ 13,203.75

Project #4 Road Closures

	Number of Closure Points (A, C, E, H, I, J, K and M)	
	Hours / Point (include travel)	
\$	132.50	Cost / Hour (Cat)
	8	Total Road Blocking Hours
\$	1,060.00	Total Cost

12	Waterbar Installation Locations on Closed Roads	(Pts. G to H and K to L)
0.25	Hours / Point (include travel)	
\$	132.50	Cost / Hour (Cat)
\$	397.50	Total Waterbar Hours

Total Cost Project #4 \$ 1,457.50

Cost Summary All Projects

\$	3,364.33	Project # 1 ~ Road Shaping and Surfacing
\$	5,646.00	Project # 2 ~ Road construction and Improvement
\$	13,203.75	Project #3 ~ Fell, Skid, & Pile Submerch. Material
\$	1,457.50	Project #4 ~ Road Closures
\$	23,671.58	Total Cost All Projects

SLAPDASH

341-09-85
Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Slapdash.

LEGAL DESCRIPTION:

Township 32S, R7½ E, Portions of Sections 21, 22, & 23, 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 boundary between Areas I and II is the 10 Road.

FUND:

92% C.S.L., 8% B.O.F.

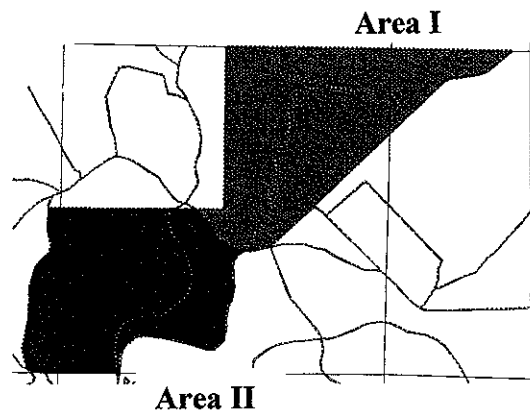
ACREAGE: .

The timber sale was delineated into 2 areas based on silvicultural prescriptions.

Area I 185 Acres

Area II 169 Acres

Approximate Total Sale Acreage:354 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 unit with leave trees marked with orange paint for trees 5 inches dbh and larger. All trees less than 5 inches dbh are reserved from cutting in Area I. Wildlife trees are designated with an orange "W" in Area I .

Area II is a diameter limit cut, with all unmarked white fir and lodgepole pine greater than 11.0 inches dbh and 50% or greater net sawlog volume to be cut. All trees less than 11.0 inches dbh, all white fir greater than 34.0 inches dbh, all orange painted trees, and all other species are reserved from cutting in Area II.

CRUISE METHOD:

Variable Plot cruise with all the plots being measure plots. Fixed plot cruise for all submerchantable material (5.0" to 8.0" dbh), with all plots being measure plots for Area I only.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area I	10 BAF	185 acres
Area II	14 BAF	169 acres

PLOT DESIGNATION:

Plot centers were established at every plot. Pink flagging with the corresponding plot number was attached to the plot center and also to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

AREA	CV%	DESIRED SE%	ACRES
Area I	70	13	185
Area II	70	13	169

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

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 $N = \frac{(1)^2(65)^2}{(13)^2} = 25 \text{ plots}$ Took 25 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” dbh) for Area I only.

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: 8.0” dbh for sawlog volume. 5.0” dbh for pulp volume.
Area II: 11.0” dbh. for sawlog 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: Ed Scheick, Jason Pettigrew, Steve Jones.

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area I	54	10.9	185
Area II	76	15.5	169
COMBINED	82	11.5	354

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	13.0	680	665
Ponderosa Pine	12.8	17	17
Lodgepole Pine	11.5	373	366

AREA II

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	16.7	1998	1966

TOTAL SAWLOG VOLUME

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	15.2	2678	2631
Ponderosa Pine	12.8	17	17
Lodgepole Pine	11.5	373	366

TOTAL NET SAWLOG VOLUME: 2997 MBF*

***For appraisal purposes, Ponderosa Pine not included.**

GREEN PULP VOLUME:

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

SPECIES	V.PLOT VOLUME	F.PLOT VOLUME	TOTAL VOLUME
White Fir	31	71	102
Lodgepole Pine	5	68	73

TOTAL GREEN PULP VOLUME: 175 MBF

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT SLAPDASH				DATE	3/23/2009	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	7.5	22	AREA1	136A	185.00	26	161	1	E	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		26	161	6.2						
CRUISE		26	161	6.2	13,631	1.2				
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	99	41.1	13.0	37	8	38.1	3,841	3,763	896	896
LP PINE	58	30.8	11.5	40		22.3	2,040	2,005	504	504
PPINE	4	1.7	12.8	31		1.5	91	91	25	25
TOTAL	<i>161</i>	<i>73.7</i>	<i>12.4</i>	<i>38</i>		<i>61.9</i>	<i>5,972</i>	<i>5,858</i>	<i>1,425</i>	<i>1,425</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	106.5	10.7	142	159	176					
LP PINE	56.2	7.4	69	75	81					
PPINE	120.5	68.8	23	75	127					
TOTAL	<i>111.8</i>	<i>8.8</i>	<i>116</i>	<i>127</i>	<i>138</i>	<i>499</i>	<i>125</i>	<i>55</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	89.2	9.0	32	35	39					
LP PINE	44.0	5.8	17	18	19					
PPINE	94.0	53.7	9	19	29					
TOTAL	<i>92.2</i>	<i>7.3</i>	<i>27</i>	<i>29</i>	<i>31</i>	<i>339</i>	<i>85</i>	<i>38</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	107.1	21.4	32	41	50					
LP PINE	135.3	27.0	23	31	39					
PPINE	446.8	89.3	0	2	3					
TOTAL	<i>68.1</i>	<i>13.6</i>	<i>64</i>	<i>74</i>	<i>84</i>	<i>193</i>	<i>48</i>	<i>21</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	93.4	18.7	31	38	45					
LP PINE	128.2	25.6	17	22	28					
PPINE	398.2	79.6	0	2	3					
TOTAL	<i>56.1</i>	<i>11.2</i>	<i>55</i>	<i>62</i>	<i>69</i>	<i>131</i>	<i>33</i>	<i>15</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	92.7	18.5	3,065	3,763	4,460					
LP PINE	137.8	27.6	1,452	2,005	2,557					
PPINE	353.4	70.7	27	91	155					
TOTAL	<i>54.4</i>	<i>10.9</i>	<i>5,220</i>	<i>5,858</i>	<i>6,495</i>	<i>123</i>	<i>31</i>	<i>14</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	91.6	18.3	732	896	1,060					
LP PINE	134.9	27.0	368	504	640					
PPINE	360.9	72.2	7	25	43					

T32S R7.5 S22 T136A									T32S R7.5 S22 T136A			
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt			
32S	7.5	22	AREA1	I36A	185.00	26	161	1	E			

Spp	So	Gr	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent 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				
WF	CR	CR	95	2.1	3,676	3,597	665	25	57	18		13	18	68	1	25	82	0.77	43.7
WF	CR	GP	5		166	166	31	76	24			86	14			13	15	0.33	10.8
WF	Totals		64	2.1	3,841	3,763	696	27	55	17		16	17	65	1	23	69	0.72	54.5
LP	CR	CR	98	1.8	2,016	1,980	366	53	47			17	14	64	5	27	56	0.52	35.2
LP	CR	GP	2		24	24	5	100				100				14	15	0.30	1.6
LP	Totals		34	1.7	2,040	2,005	371	53	47			18	14	64	4	26	54	0.52	36.8
PP	CR	CR	100		91	91	17	45	55			19	38	44		22	47	0.57	1.9
PP	Totals		2		91	91	17	45	55			19	38	44		22	47	0.57	1.9
Type Totals				1.9	5,972	5,858	1,084	36	52	11		17	17	64	2	24	63	0.63	93.3

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	SLAPDASH			DATE	3/23/2009	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	7.5	22	AREA2	136B	169.00	25	154	1	E	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
				PLOTS	TREES	TREES	TREES			
TOTAL	25	154	6.2							
CRUISE	25	154	6.2		9,612		1.6			
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	154	56.9	16.7	52	16	86.2	11,823	11,634	2,485	2,485
TOTAL	154	56.9	16.7	52		86.2	11,823	11,634	2,485	2,485
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	90.5	7.3	295	318	341					
TOTAL	90.5	7.3	295	318	341	327	82	36		
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	75.8	6.1	60	63	67					
TOTAL	75.8	6.1	60	63	67	230	57	26		
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	85.8	17.5	47	57	67					
TOTAL	85.8	17.5	47	57	67	306	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	71.0	14.5	74	86	99					
TOTAL	71.0	14.5	74	86	99	210	52	23		
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	76.1	15.5	9,829	11,634	13,439					
TOTAL	76.1	15.5	9,829	11,634	13,439	241	60	27		
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	74.8	15.3	2,106	2,485	2,864					
TOTAL	74.8	15.3	2,106	2,485	2,864	233	58	26		

Species, Sort Grade - Board Foot Volumes (Type)										Page	1									
T TSPCSTGR		Project: SLAPDASH								Date	3/23/2009									
										Time	1:34:41PM									
T32S R7.5 S22 T136B										T32S R7.5 S22 T136B										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt											
32S	7.5	22	AREA2	136B	169.00	25	154	1	E											
S Spp	So T	Gr rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
WF	CR	CR		100	1.6	11,823	11,634	1,966	13	53	34	1	5	8	87	30	145	1.03	80.4	
WF	Totals			100	1.6	11,823	11,634	1,966	13	53	34	1	5	8	87	30	145	1.03	80.4	
Type Totals					1.6	11,823	11,634	1,966	13	53	34	1	5	8	87	30	145	1.03	80.4	

Species Table Report

TblSpecies		SUNPASS																
Code	Abrv	Description	Bark Max Ratio	ASubo Tree Const	Form BdFt	Wood CuFt	Comp- onent	Yield Table	Min Dia	Log Len	Log Len	Trim	Min Dia	Log Hgt.	Max	Log Rule	Max Rule	Tree Weight
1	PP	PPINE	.909	PP	.85	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800	C
2	WF	WHITE F	.94	NF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000	C
3	LP	LP PINE	.96	DF	.96	C	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	4800	C
4	DF	DOUG-FIR	.92	DF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5700	C
5	SP	SUG PINE	.87	PP	.84	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800	C
6	IC	INC CED	.90	SS	.8	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	4500	C
7	RF	SH RFIR	.924	DF	.89	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000	C

Sort/Grade Table

TblSortGrade		SUNPASS																			
Sort	Grd	Abrv 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	Type	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	

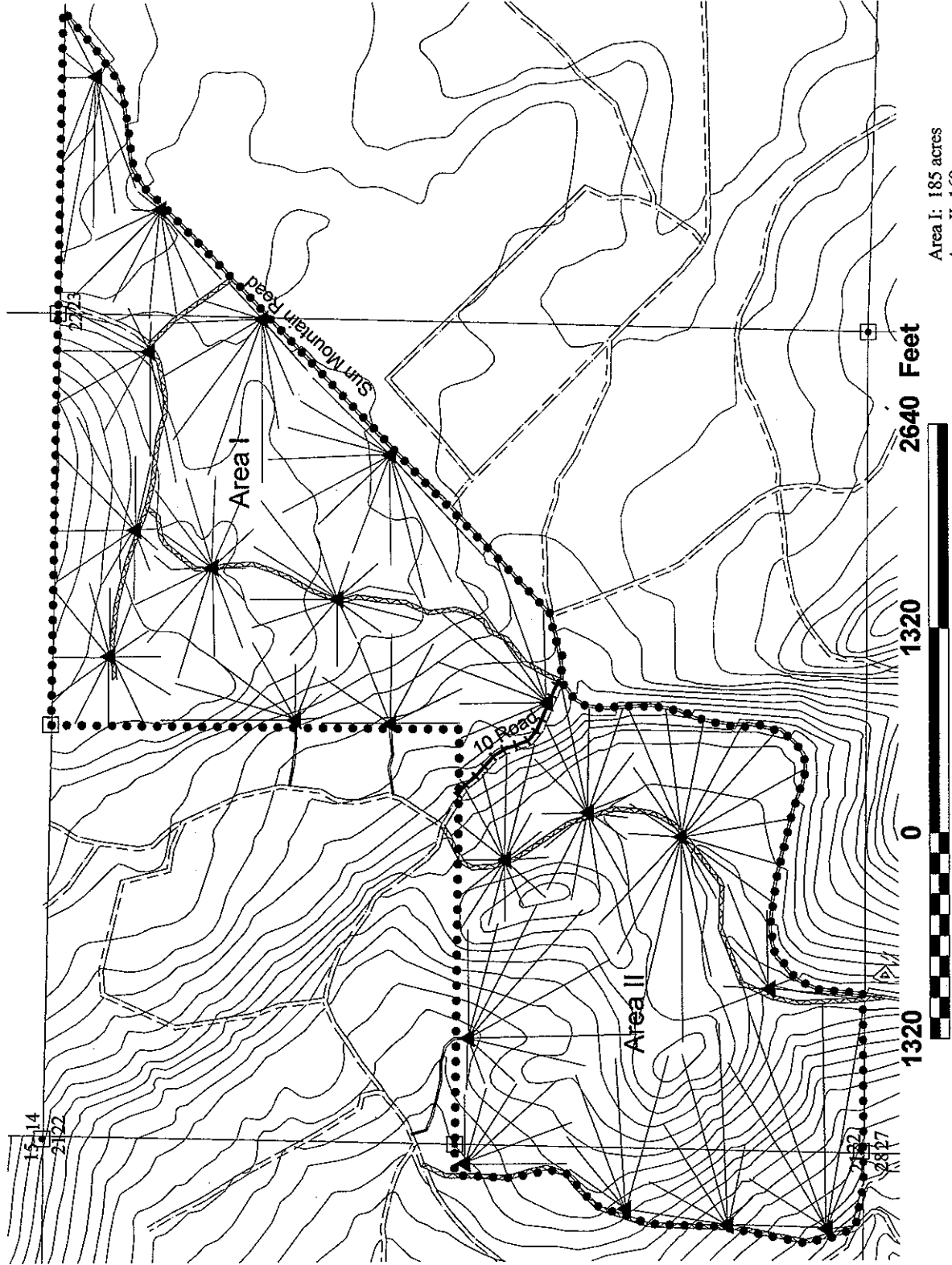
Logging Plan

OF TIMBER SALE CONTRACT 341-09-85

SLAPDASH

PORTIONS OF SECTIONS 21, 22, 23, T. 32S., R. 7.5E., W.M.

KLAMATH COUNTY, OREGON



LEGEND

- Timber Sale Boundary
- ▲ Landings
- ▭ Area Boundary
- ▤ Surfaced Road
- ▥ Road Improvement
- ▧ Road Construction
- ▨ Skid Trail
- ▩ Unsurfaced Roads
- Corner
- Section Lines
- Contour Lines

Area I: 185 acres
 Area II: 169 acres
 Total Sale: 354 acres

Scale
 1:12000
 1 inch = 1000 feet

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