

TIMBER SALE SUMMARY

Purdyfoll

1. **Type of sale:** Final harvest; Recovery, Sealed Bid.
2. **Boundary Lines:** Sale boundaries are marked on the ground with "Timber Sale Boundary" posters, red paint, and red flagging at locations shown on the Exhibit A.
3. **Revenue Distribution:** 100% CSL and 0% BOF; 100% Douglas County.
4. **Sale Acreage:** The total sale area is 140 net acres. Buffer areas are posted outside the sale area and are not included in the net acreage calculation. The acreage was determined using orthophoto imagery on the ARCVIEW Geographic Information System program.
5. **Volume by Species, Fund, and County:** See attached table.
6. **Grade by Percent:**

Areas I-II (Purdy Creek):

Species	3 Peeler	S M	2 Saw (12"+)	Big 3 Saw	3 Saw (10-11")	4 Saw (8-9")	(6-7")
Douglas-fir	-----	-----	42 %	6 %	43 %	9 %	-----
Hardwoods	-----	-----	57 %	-----	29 %	3 %	11 %
Western Red Cedar	-----	-----	-----	-----	20 %	80 %	-----
Western Hemlock	-----	-----	-----	-----	76 %	24 %	-----

Areas III-VI (Folley Creek):

Species	3 Peeler	S M	2 Saw (12"+)	Big 3 Saw	3 Saw (10-11")	4 Saw (8-9")	(6-7")
Douglas-fir	-----	3 %	58 %	5 %	24 %	10 %	-----
Western Red Cedar	-----	-----	78 %	-----	22 %	-----	-----
Western Hemlock	-----	-----	52 %	-----	31 %	17 %	-----
Grand Fir	-----	-----	38 %	-----	62 %	-----	-----

7. **Cruise:** The timber sale areas were variable plot cruised using the Big BAF cruise design, which consisted of 128 nested plots total. For the mature stand (Folley unit) each plot consists of both a full 40 BAF count plot and a full 360 BAF measure plot. For the young stand (Purdy unit) each plot consists of both a full 40 BAF count plot and a full 250 BAF measure plot. The 40 BAF plots were used to tally the number of trees by species to determine the stand basal area. The 40 BAF plot was then used to select hardwoods and minor species to cruise and the 360 and 250 BAF plots to select Douglas-fir trees to cruise. Selected trees were cruised for diameter at breast height, height, grade and defect. Sixty-six Douglas-fir Big BAF trees were cruised for diameter, height, grade and defect throughout the timber sale areas. The cruise was analyzed using the SuperACE cruising program.

A. Cruise Summary Data:

Areas I-II (Purdy Creek):

Diameter	Top Diameter	Form Point	Form Factor	CV %	SE %
DBH	Total Height	Conifer: 16' Hardwood: 16'	Estimated or measured on all trees	64.8	12.94

Areas III-VI (Folley Creek):

Diameter	Top Diameter	Form Point	Form Factor	CV %	SE %
DBH	Total Height	Conifer: 16' Hardwood: 16'	Estimated or measured on all trees	43.8	8.54

B. Stand Summary:

Areas I-II (Purdy Creek):

Species	D4H	Trees per Acre	Basal Area (ft²/ac)	BF per acre
Douglas-fir	17	90	122	13,230
Hardwoods	16	26	40	1,180
Western Red Cedar	32	1	4	270
Western Hemlock	11	3	2	180

Areas III-VI (Folley Creek):

Species	D4H	Trees per Acre	Basal Area (ft²/ac)	BF per acre
Douglas-fir	15	165	200	29,280
Western Red Cedar	40	0.5	1	190
Western Hemlock	21	4	10	1,530
Grand Fir	14	1	1	160

- C. Green Tree Retention Summary: Most green trees were posted outside of the timber sale, except scattered trees which will be removed from the cruise. These scattered trees are marked with a "W" in red.
8. **Timber Description:** The timber sale areas have seven various stands that are moderately stocked of approximately 87 to 97 year old second growth and 38-57 year old third growth Douglas-fir, of good to average quality, with red alder, big leaf maple and western hemlock, western red cedar, grand-fir and incense cedar in the understory. Conifers range from 54 to 189 feet tall while hardwoods are about 45 feet.
9. **Topography:** In Areas I and II slope ranges from 20%-100% with steep drainages. In Areas III-VI, slope ranges from 5%-80% with the majority being gentle benches with a few steep areas.
10. **Logging Method:** The timber sale will mostly cable logged uphill with single-end suspension over the unit; full suspension will be required over designated streams and RMAs. A motorized carriage will be required to obtain the necessary suspension. Tail trees may need to be placed for yarding the sale area as approved in the operations plan. Portions of Areas III and V may be ground yarded in areas that have less than 35% slopes and is harvested during the dry season.

11. Access:

Areas I-II (Purdy Creek):

From Coos Bay, proceed north on Highway 101 for 27 miles, turn onto Highway 38 and proceed for 21 miles, to Project Point A1 at the bottom of Burchard Creek Road.

Areas III-VI (Folley Creek):

From Coos Bay, proceed north on Highway 101 for 27 miles, turn onto Highway 38 and proceed for 40 miles to Tom Folley Creek Road, then proceed 6 miles to Project Point R2.

12. Projects:

Project No. 1: Road and Landing Construction

Project No. 2: Road Improvement

Project No. 3: Culvert Replacement

Project No. 4: Road Decommissioning

NET VOLUMES AND ACREAGE

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							
			By County and Fund						Total Vols.	Vol. per Acre
			Coos			Douglas				
Area	Spec		CSL	BOF	Total	CSL	BOF	Total		
I-VI	D-fir		3746		3746			0	3746	26.76
	Hdwd		26		26			0	26	0.19
	Red Cedar		28		28			0	28	0.20
	Grand Fir		19		19			0	19	0.14
	Hemlock		184		184			0	184	1.31
TOTALS			4003	0	4003	0	0	0	4003	

TOTAL SALE VOLUME BY SPECIES

Douglas-fir	3746	MBF
Hemlock	184	MBF
Red Cedar	28	MBF
Grand Fir	19	
Hardwoods	26	MBF
Total	4003	MBF

Report by: Purdyfoll

Date: 12/11/2009

Unit For. *[Signature]* 12/18/09
Date

Asst. Dist. For. *[Signature]* 12.20.2009
Date

**UTILITY VOLUME NOT SHOWN TO PROVIDE FOR RETENTION OF DOWN LOGS
NO INGROWTH INCLUDED**

ACREAGE BY COUNTY (to nearest acre)

Sale Area	Coos County						Douglas County						TOTAL ACRES		
	CSL			BOF			CSL			BOF					
	cc	pc	Hard wood	cc	pc	Hard woods	cc	pc	Hard woods	cc	pc	Hard woods			
I-II									13.6		8.4				22
III-VI									118						118
															0
															0
SUM	0	0	0	0	0	0			131.6	0	8.4	0	0	0	140

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land

**Purdyfol
Logging Costs**

Task	Units	No. units	\$/unit	total	% Rcvy	Cost/MBF
Fell and Buck	days	1	\$300.00	\$300.00	0.7	\$42.86
Yard	hrs	0	\$125.00	\$0.00	0.7	\$0.00
Load	hrs	4	\$100.00	\$400.00	0.7	\$57.14
Road Maint.	hrs	0	\$27.00	\$0.00	0.7	\$0.00
Hauling	hrs	0	\$215.00	\$0.00	0.7	\$0.00
Move-in/out		0	\$54.00	\$0.00	0.7	\$0.00
Hand Labor			\$25.00	\$0.00	0.7	\$0.00
Other				\$0.00	0.7	\$0.00

sub total		\$100.00
P and R %	25%	\$0.00
Total logging cost:		\$100.00
Pond value per MBF		\$0.00
Stumpage per MBF		(\$100.00)
Total MBF		10.00

Total Logging Costs **(\$1,000.00)**

**Log Placement in Stream Calculation
Purdyfoll**

Volume to be taken from Areas V and VI and put into Big Tom Folley Creek between Areas V and VI.
Total volume is estimated to be approximately 17 MBF.

Area I-IV No work identified.

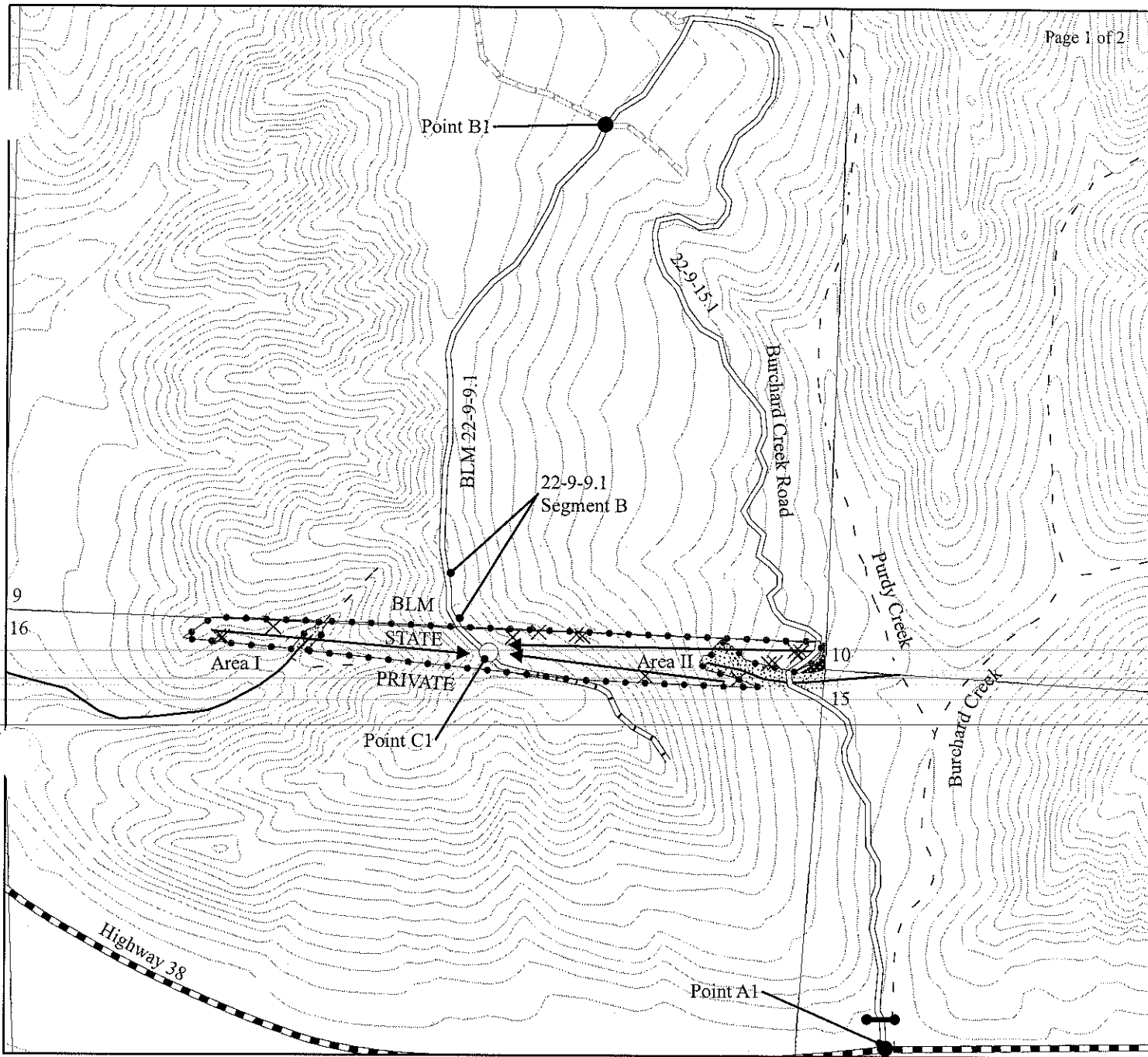
**Area V- VI
Big Tom Folley
Creek** Fell trees in the timber sale boundary and place them in Type F stream channel by way of yarding. Where skyline corridors cross stream reaches, place logs within the active channel to provide for in-stream habitat. Total reach is approximately 1700 feet. Total logs to be placed is 24, approximately 17 MBF.

Labor Estimate:

8 crossings @	2.5 hrs/crossing	20 hours
20 hours yarder/skycar @	150 \$/hour	\$ 3,000
80 hours 4 man rigging crew @	20 \$/man hour	\$ 1,600
5 hours felling @	40 \$/hour	\$ 200
	Total Labor	\$ <u>4,800</u>

Volume Estimate: Volume estimate comes from the Official rules for the following Log Scaling and Grading Bureaus (Scribner Volume Table)
20" on the small end @ 40' in length

24 logs @	16,800 Bdft	or 17 MBF
1 log @	700 Bdft/each	



Legend

- Landing
- Posted Sale Boundary
- Project Point
- Locked Gate
- Roads**
- Purchaser Maintained Road
- State Highway
- Federal (BLM) Road
- Private (Roseburg) Road
- Yarding Corridors
- Streams**
- Type F
- Type N Perennial
- Type N Seasonal
- Unclassified Stream
- Stream Buffer
- Green Tree Retention Group
- Green Tree Retention Single
- Contours: 40 Foot

APPROXIMATE ACREAGE

AREA I	3
AREA II	19
AREA III	18
AREA IV	2
AREA V	68
AREA VI	30
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TOTAL	140

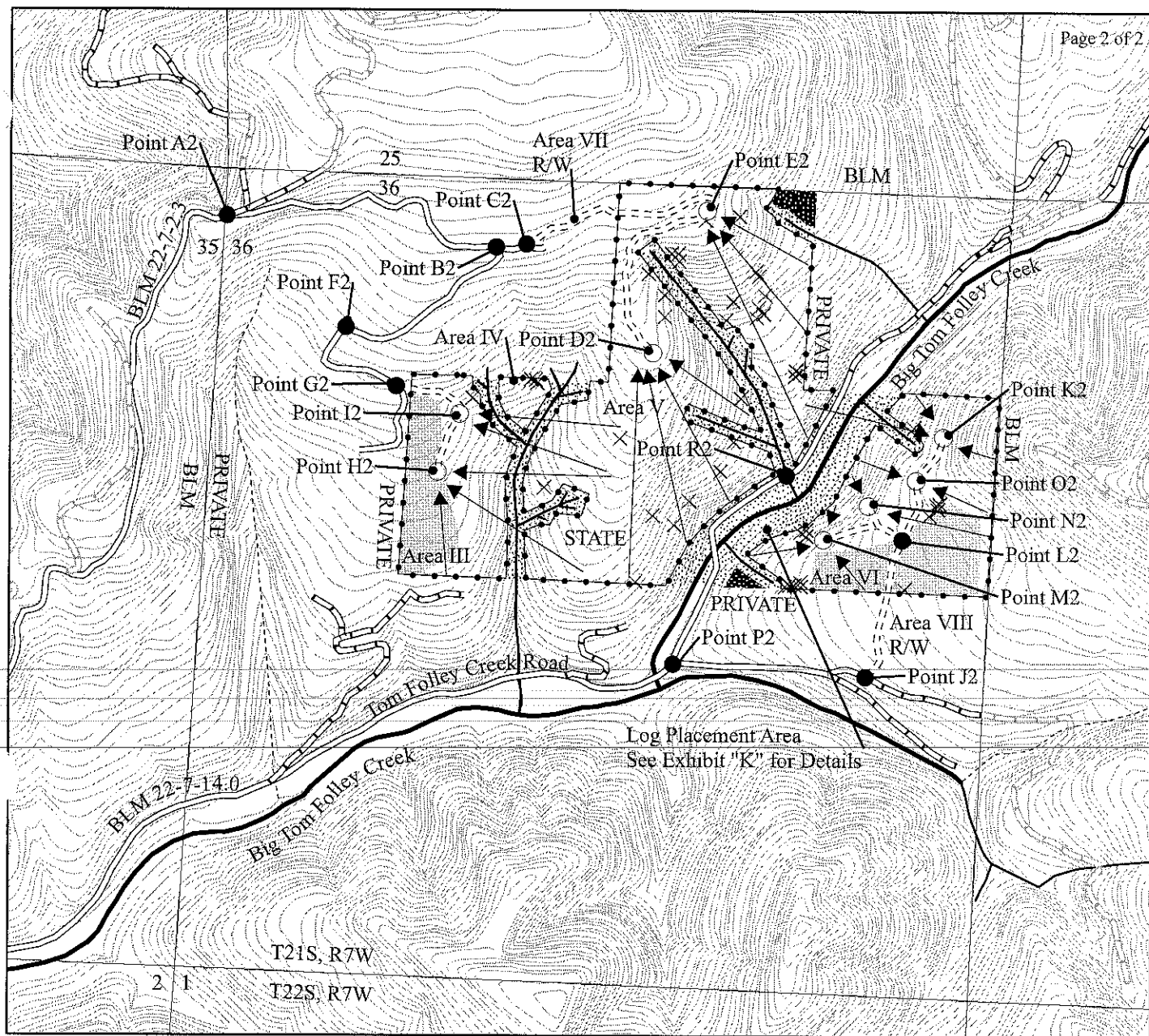
LOGGING PLAN

PURDYFOLL
 341-10-34
 PORTIONS OF SECTION 16
 T22S, R9W
 PORTIONS OF SECTION 36
 T21S, R7W
 DOUGLAS COUNTY, OREGON
 APPROXIMATELY 140 NET ACRES

APPROX. SCALE: 1"=1000'

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





Legend

- Landing
- ▭ Posted Sale Boundary
- Project Point
- ══ Purchaser Maintained Road
- ═══ New Road Construction
- ▬ Private (Seneca) Road
- ▬ Federal (BLM) Road
- ▶ Yarding Corridors
- Streams
- Type F
- Type N Perennial
- Type N Seasonal
- ▨ Stream Buffer
- ▩ Green Tree Retention Group
- × Green Tree Retention Single
- Contours: 20 Foot
- ▨ Ground Operations

APPROXIMATE ACREAGE

AREA I	3
AREA II	19
AREA III	18
AREA IV	2
AREA V	68
AREA VI	30
TOTAL	140

LOGGING PLAN

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 341-10-34
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 T22S, R9W
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