

## Lamb T.S. Unit Volumes

Unit #	Acres	MBF	CCF	Tons	DXD	DTR's	Log Sys
1	23	305	605	1734	18	8 (2ac)	GB-5ac, S-18ac
2	4	53	105	301	19		S
21	3	40	79	227	19		S
22	5	66	131	376	19		S
3	8	106	210	602	15		GB
<b>Total</b>	<b>43</b>	<b>570</b>	<b>1130</b>	<b>3240</b>			

Thin - 41 ac  
DTR's - 2 ac

Avg DBH - 12.9"  
DF - 80%  
Hem - 9%  
True Fir - 11%

USDA - FOREST SERVICE  
Stewardship: N

REPORT OF TIMBER SALE  
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)  
Version 1511 (TEA 01-15)

Region: 06  
Forest: 18 Willamette  
District: 01 McKenzie River  
Salvage: N

Sale Name: Lamb  
Sale Number: 44388  
Appraise to: Springfield  
Appraiser: Shadie Nimer

Appraisal Date: 02/11/15  
Base Period Ending: 12/31/14  
Competition Factor: 10%  
Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total	
1. Species	D-fir									
2. Species Code	205									
3. Product/Unit	01-03									
4. Volume	1,130									1,130
5. Base Period Price	72.19*								72.19	
6. Base Period Index	210.01								210.01	
7. Current Index	210.01								210.01	
8. Rapid Market Adj	5.20								5.20	
9. Market Adj BP Price	77.39								77.39	
10. Unusual Adjustment										
11. GBCv-Nonsaw Adj										
12. Product Quality Adj	-8.25								-8.25	
13. Adj Base Period Price	69.14								69.14	78,128.20

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	151.40	141.52	9.88	Specified Road Con			
15. Haul/Scale	30.03	33.54	-3.51	Specified Road Rec			
16. Road Maintenance	8.67	19.51	-10.84	Temporary Road Con			
17. Contract	15.72	40.07	-24.35	Haul Miles		65	
18. Development & Other	3.79	4.82	-1.03				
19. Road Const & Recon					Br Disp/UM	Rd Mtc/UM	C(T) 5.213#
20. Total (lines 14-19)	209.61	239.46	-29.85	DEPOSITS:	32.21	5.14	

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total	
21. Predicted Bid Rate	39.29								39.29	44,397.70
22. Competition Adjustment	3.93								3.93	4,440.90
23. Property Value										
24. Indicated Adv Rate	35.36								35.36	39,956.80
25. Base Rate	3.00								3.00	3,390.00
26. Adjustment										
27. Advertised Rate	35.36								35.36	39,956.80

CCF to MBF Rate Factors: 1.9825  
 CCF to MBF Volume Factors: .5044  
 MBF to CCF Index Factors: .52  
 CCF Base Index for A(T)5a:  
 CCF Wtd Avg Del Log Price: 358.45  
 MBF Volume: 570  
 Total Tons Removed: 3,240

1.9825  
.5044

Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 2.8673 DEPOSITS/Ton BD: 11.23 RM: 1.79

**PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE**  
Use with Appraisal Update #1-15

Sale Name: Lamb

Date: 30-Jan-15 (mm/dd/yy)

Species Group #1	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
205	5.0" - 7.99"	#4 sawmill	652.00	72	166	279.43	-106.52
	8.0"-11.99"	#3 sawmill	753.00	246	478	385.95	0.00
	12.0"-17.99"	#2 sawmill	758.00	194	272	429.16	43.21
	18.0" - 30.0"	special mill	757.00				

Chip Values, \$/ccf		
\$/ton Avg	Avg lb per cf	Volume CCF
25.00		

BPP for chips = 0.00 /ccf  
(insert as override on TEA input screen)

**Weighted average Product Quality Adjustment (PQA) for Species Group #1 = -6.69 /ccf**  
**Weighted average delivered log price for Species Group #1 = 379.26 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #2	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
263,264,108 true firs spruces	5.0" - 7.99"	#4 sawmill	535.00	36	84	229.29	-64.23
	8.0"-11.99"	#3 sawmill	608.00	66	116	293.52	0.00
	12.0"-17.99"	#2 sawmill	597.00	6	12	298.50	4.98
	18.0" - 24.0"	special mill	597.00				

**Weighted average Product Quality Adjustment (PQA) for Species Group #2 = -15.00 /ccf**  
**Weighted average delivered log price for Species Group #2 = 268.35 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #3	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
242	< 12.0"	#4 sawmill	camprun				
	12.0"-23.99"	#3 sawmill	859.00			446.68	0.00
	24.0"+	#2 sawmill	0.00				

**Weighted average Product Quality Adjustment (PQA) for Species Group #3 = 0.00 /ccf**  
**Weighted average delivered log price for Species Group #3 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #4	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #4 = 0.00 /ccf**  
**Weighted average delivered log price for Species Group #4 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #5	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #5 = 0.00 /ccf**  
**Weighted average delivered log price for Species Group #5 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #6	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #6 = 0.00 /ccf**  
**Weighted average delivered log price for Species Group #6 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

\* Industry grade used to associate minimum dib and delivered log price. Volume comprises mostly the representative grade, but also may include material of other grades.

**PRODUCT QUALITY ADJUSTMENT**  
**Combining Species into Appraisal Groups**  
**Determining Weighted Average Delivered Log Price for the Sale**  
 Use with Appraisal Update #1-15

Sale Name: Lamb

Date: 30-Jan-15

**Combining Species into Appraisal Groups (for entry into the TEA input screen)**

<i>Type a "1" into desired cells to combine species into an appraisal group</i>								
Geographic Area	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	Combined Prod Qual Adj	Combined Del Log Price
Ore West	1	1					-8.25	358.45
Ore East								
Wash West								
Wash East								

**Determining Weighted Average Delivered Log Price for the Sale (for use in analyzing advertised rates)**

<i>Type a "1" into all cells with volume</i>							
Geographic Area	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	Wt Avg Delivered Log Price for the Sale
Ore West	1	1					358.45
Ore East							
Wash West							
Wash East							

Enter the Combined Product Quality Adjustment on the TEA input screen under PQA/CCF for the main species in the appraisal group. Enter the Del Log Price under Log Pr/CCF on the TEA input screen for the main species in the appraisal group. Use the weighted average delivered log price for the sales to analyze advertised rates, per R6 FSH 2409.22 Appraisal Handbook. Refer to the PQA User Guide for more information on the calculation and use of delivered log prices.

*\*\* Click the "Erase" button above to delete all species combination data \*\**  
*\*\* Press the "Delete" key in appropriate cell to erase individual cell input \*\**

**Appraisal Reminder - When combining species, a weighted average Base Period Price needs to be calculated. Use the table below to calculate a weighted average BPP for the appraisal group.**

The Erase Data button erases Forest number, Salvage, and Species Code and Species Volume (CCF) in the table.

Forest number = 18  
 Salvage?? = 1 (1=no, 2=yes)  
 Appraisal zone = 5

**Appraisal Update #1-15**

**teacost.dat file (TEA 01-15)**

The Appraisal Update # and teacost.dat file date **MUST BE THE SAME** in calculating a weighted

**Species BPP Weighting Table**

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
205	904.00	75.02
263	124.00	60.85
17	102.00	60.85
<b>Total or Avg</b>	1,130.00	72.19

**MBF Volume Table**

Species Code	Species Vol (MBF)
205	456.00
263	61.00
17	63.00
<b>Total</b>	570.00

Enter MBF volume from Species Group



**TERMINATION AND PERIODIC PAYMENT DATE**

DATE: 02/02/15  
INITIALS: SAN

FOREST: WILLAMETTE  
DISTRICT: MCKENZIE RIVER  
TIMBER SALE: Lamb

OPERATING SEASON (OP) JUNE 1 thru OCTOBER 31, (20 WORK DAYS/MONTH)

DAILY VOLUME (DV) 25 CCF  
SALE VOLUME (SV) 1130 CCF

$\frac{1130}{25} \frac{(SV)}{(DV)} \frac{45 \text{ DAYS}}{(20)} = \frac{3 \text{ MONTHS}}{5 \text{ OP. MO.}} = \frac{1 \text{ SEASONS}}{3.00 \text{ SEASONS}}$

**SEASONS:**

	FROM	TO	MBF/SEASON	CCF/SEASON
1st	06-01-15	10-31-15	0	0
2nd	06-01-16	10-31-16	570	1130
3rd	06-01-17	10-31-17	0	0

**(Reference: Section 6 – Payment, of the Timber Sale Prospectus)**

**SALE SCHEDULE**

**SALE DATE:** \_\_\_\_\_  
**AWARD DATE:** \_\_\_\_\_  
**RD. COMPLETION DATE** \_\_\_\_\_  
**PERIODIC PAYMENTS DATE(S)** \_\_\_\_\_  
**TERMINATION DATE:** 12-31-2016

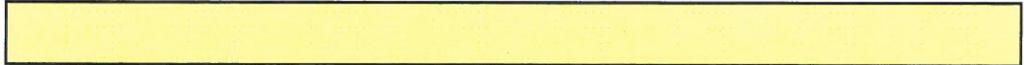
# Logging Cost Summary - Estimated Stump To Truck Cost Results

## Summary By Logging System and Sale

Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline	ccf	788	148.58	3
Mechanized <i>Mech biomass</i>				
Tractor	ccf	342	125.25	3
Shovel				
Helicopter				
<b>Sale-as-a-whole</b>		<b>1,130</b>	<b>141.52</b>	← <i>sawtimber basis</i>

ovhd=6.18/ccf or 11.89/mbf, p&r=2% of costs included (except helicopter)

Bio stump-truck \$	Estimated total number <i>operating</i> days for sale	34
Include bio stump-truck in mech sys?	Variable shutdown cost (all systems, if any) \$/vol	
	Include variable shutdown in system costs?	
Biomass haul cost		



Include Chipper?

Hours Used

Haul-\$'s

Select helicopter alternative

Sale: Lamb  
Date: 12/22/14

**LogCost ver 14.0**  
1/14/2014

Report summary table above in tons?



# Trucking Appraisal - APPRAISAL SUMMARY

HaulCost ver 14.0

Sale name: Lamb

Geo. area: OR

Date: 22-Dec-14

Cost type	Average trip rtm's	CCF per load	Tot rtm's per day	Total OT rtm's	CCF vol per day	Gross cost per day	Net cost per day	Net cost per ccf	Net \$/ccf w/inflation
<i>w/o scale</i>									
<i>with scale</i>	449.0	7.3	582.0	102.0	9.50	302.75	318.69	33.54	33.54

<<Scaling cost is included in the total haul cost below>>

Include scale cost in final haul cost

**Yes**

Total haul cost, \$/ccf = \$33.54

364 minutes

Volume Type...  
CCF

Sale or Haul Narrative

Scale total cost: \$40.67

**ANALYSIS OF ADVERTISED RATES**  
rev. April 2010

Sale Name: Lamb  
Date: 01/230/2015

TEA Appraisal Summary Line No. & Title	DF						GBCv/ Nonsaw	Average/ Total
1. Species								
2. Species Code	205							
3. Product/Unit	01-03	01-03	01-03	01-03	01-03	01-03	08-03	
4. Volume	1,130							1,130
20. Total Est. Sale Cost/UM (\$/CCF)								\$239.46
24. Indicated Advertiser Rate (\$/CCF)								\$35.36
25. Base Rates (\$/CCF)								\$3.00
27. Advertiser Rate (\$/CCF)								\$35.36

Sale information from PQA:

Wt. Avg. Delivered Log Price from PQA:								
Combined <b>Sawtimber</b> Groups Weighted Average Delivered Log Price from PQA:								\$358.45

A. Combined saw groups Weighted Average Delivered Log Price (\$/CCF):		\$358.45
B. Total Estimated Sale Cost/UM (Operational Costs):		\$202.11
C. Weighted Average Advertiser Rate for All Species (\$/CCF):		\$35.36
D. Deposits: C(T)5.213# Eng. Services - total \$ _____ BD - \$ 32.21 /CCF RD MTN - \$ 5.14 /CCF		\$37.35
<b>E. RESULTS OF THE ANALYSIS OF ADVERTISED RATES:</b>		<b>\$83.63</b>

**UNUSUAL ADJUSTMENT IS: \$41.82 Advertiser rates are too low. Make a positive (+) adj to all species & products.**

Not used in TEA Summary. snimer

Do the following prior to entering the Unusual Adjustment into the TEA input screen:

1. Examine the sale operational costs, including roads, to verify only work required to remove Included Timber is included, and is costed correctly.
2. Check all calculations, BD, EC, RD MTN, Haul, Logging, etc., make needed corrections, enter updated values into TEA input screen, rerun appraisal, and redo analysis of advertiser rates. Include any Cost Share deposits (\$/CCF) with RD MTN deposits when using this spreadsheet.
3. Enter Unusual Adjustment in TEA input screen and rerun the appraisal. These are the final advertiser rates. DO NOT REDO THE ANALYSIS OF ADVERTISED RATES!!
4. Do not include in the timber sale contract, or appraisal, without supplemental funds from other resource areas, work activities such as;
  - a. Building new road(s), or reconstructing existing road(s), to a higher standard needed to remove Included Timber.
  - b. Replacing existing culvert that meets the 100 year flood standard with one that is better for fish.
  - c. Re-paving/stripping extended lengths of existing road surfaces when spot paving will facilitate the removal of Included Timber.