Financial aspects of timber harvesting





Barry Sims
Trout Mountain Forestry
February 2017



Timber value

- Major investment/asset
- Seek independent advice
- Process should be transparent

Fair Market Value

Knowledgeable Seller + Knowledgeable
 Buyer = Fair Market Value

 In a timber harvest, the landowner is both a Buyer (of services) and a Seller (of logs)

Decision-making

- When to harvest
- What to harvest
- How to harvest

Advance planning can prevent crisis-based management



Supply and demand

- When log prices are up, most loggers are extremely busy
- Small landowners have little leverage to access loggers during peak demand

Cost categories

- Logging
- Hauling
- Forestry
- Roads
- Post-harvest



Logging costs

"On-board truck"

- Fall, buck, limb, yard
- Often divided into "cutting" and "logging"
- Costs going down with mechanization

Hauling



Hauling in action



Hauling

- Based on daily rate
 - \$/trip
 - Convert to \$/MBF or \$/ton
 - Different payloads
- Costs have been going up
 - Fewer destinations for logs
 - Shortage of trucks after Great Recession

Forestry

- Cruise and appraisal
- Harvest planning and mgmt
- Contracts
- Log marketing
- Log accounting
- Post-harvest work



Roads

- May require so little that the cost is included in logging rates
- OR may require significant investment, either before or after the harvest

Post-harvest

- Contract close-out
- Site prep (piling, burning, spraying if needed)
- Planting
- Taxes

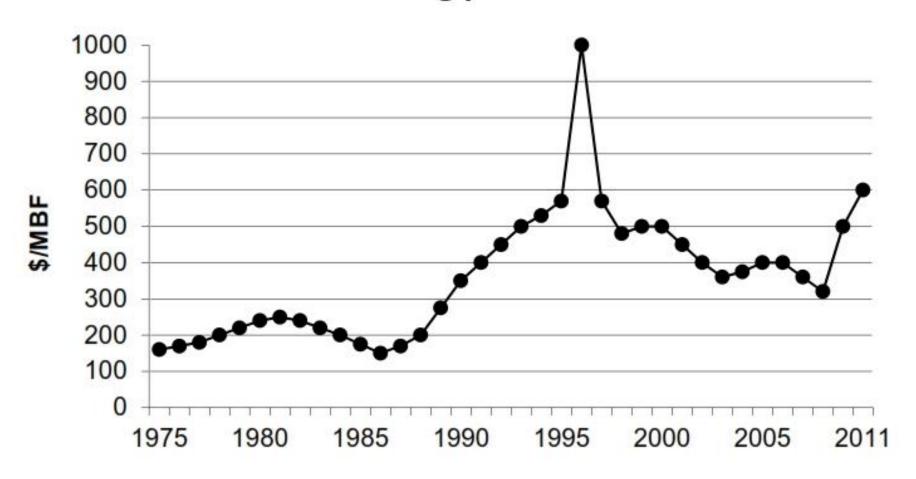
Income

- Basically, delivered log values less all costs
- How to maximize log values?
 - Log marketing
 - Log merchandizing
 - Proper accounting

Log marketing

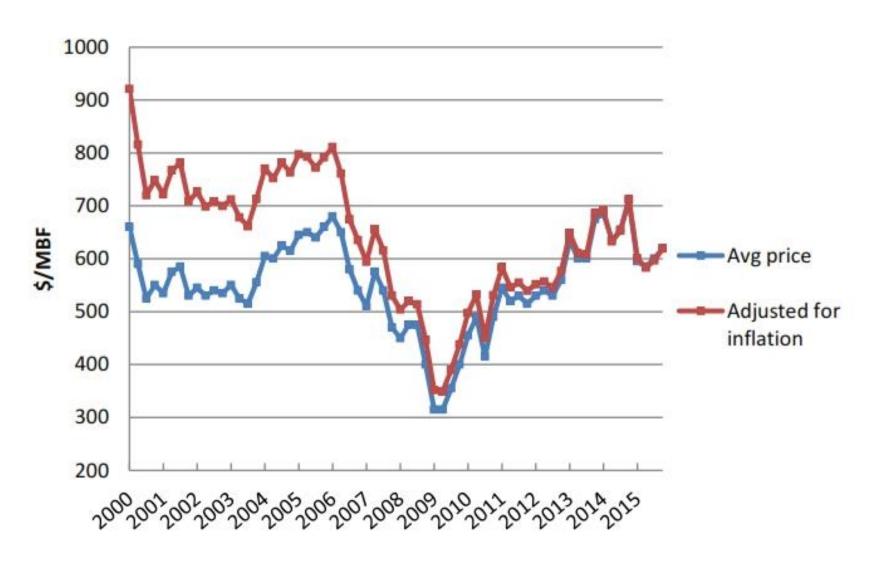
- Markets are always changing
- Mills need a steady diet of logs
- Basic categories
 - Sawmill
 - Export
 - Specialty

Grand fir log price trends



Data from our files, ODF, and interpolations and includes export and domestic prices

Douglas-fir #2 Sawmill Avg Delivered Log Price, NW Oregon



Specialty markets

- Hardwood
- Veneer
- Utility poles
- House logs
- Figured wood
- Custom orders



Proper accounting

- Transparent
- Detailed
- Complete

Proper Accounting

- Load reports
- Scaling certificates
- Payment summaries
- Compare with contract

 More worried about honest mistakes than outright theft

Daily Production Report

Sort Codes

Purchaser: Block: PLS (C & C Logging, LLC) PLS 42

7/5 TO 7/13/16

EXP-Export

E-mail Daily Production Report's to:

mgould@portblakelv.com

AJackson@portblakelv.com

OF

	Ticket#	Destination	Spcies	Sort
1	679551	Bell Lebanon	Fir	
2	679552	Bell Lebanon	Fir	
3	679553	Bell Lebanon	Fir	
4	679554	Bell Lebanon	Fir	
5	679555	Bell Lebanon	Fir	
6	679556	Bell Lebanon	Fir	
7	679557	PLS LV	Fir	
8	679558	PLS LV	Fir	
9	679559	PLS LV	Fir	
10	679560	Bell Lebanon	Fir	
11	679561	Bell Lebanon	Fir	
12	679562	PLS LV	Fir	
13	679563	PLS LV	Fir	
14	679564	Bell Lebanon	Fir	
15	679565	PLS LV	Fir	
16	679566	Bell Lebanon	Fir	
17	679567	Bell Lebanon	Fir	
18	679568	PLS LV	Fir	
19	679569	PLS LV	Fir	
20	679670	PLS LV	Fir	
21	679571	PLS LV	Fir	
22	679572	PLS LV	Fir	Erral
23	679573	PLS LV	Fir	600
24	679574	PLS LV	Fir	10 73
25	679575	Oly RSG	Fir	2000
26				
27				
28	G:14 Disp	atch & Shop Safety\Timber	Company Load Reports\PLS	S - PLS Daily load report

WESTSIDE SCALE CERTIFICATE PAGE 1
YAMHILL LOG SCALING AND GRADING BUREAU, INC.

P.O. BOX 709 FOREST GROVE, OREGON 97116

BUREAU CERTIFICATE # ...965104 DATE ISSUED ... 9/19/16 TIME 10:10

OWNER 780 RSG FOREST PRODUCTS-MOLALLA SCALE DATES ... 9/14/16- 9/15/16

FROM TM TROUT MTN FARM

SCALED AT...L28 LIBERAL L28 SCALED BYHEIDI WIND

BRAND ... 14902

***** 5 C R I B N E R

LOGS	GRADE	SPECIES	L/D	GROSS	NET	UTILITY
7.00	#2 SM	DOUG FIR	1/	1,380	1,360	
4.00	#2 SM	DOUG FIR	2/	740	690	
4.00	#2 SM	DOUG FIR	3/	780	750	
35.00	#3 SM	DOUG FIR	1/	3,060	2,980	
12.00		DOUG FIR				
4.00	#3 SM	DOUG FIR	3/	240	230	
4.00	#4 SM	DOUG FIR	1/	160	160	
7.00	#4 SM	DOUG FIR	2/	220	220	
19.00	#4 SM	DOUG FIR	3/	530	450	
2.00	UTILITY	YDOUG FIR	2/3	40		40
98.00	SPECIE	ES TOTAL		8,210	7,860	40
98.00	MERCH TO	DTAL		8,210	7,860	40
		AL				
98.00	BRAND CO	DDE TOTAL		8,210	7,860	40

TICKET SUMMARY FOR BRAND 14902

TICKET # 8531768 8531804

GROSS VOL 4,180 4,030

NET VOL 4,010 3,850

UTIL VOL 40

CU NET VOL

Entry Date: 07/14/2016

Load Ticket : LV 661299

Setting ID : 92591 Trout Mnt. Forestry 92591

Product : SCAL Scaled

Destination : LGV Longview Yard

 Scale Date
 : 07/13/2016
 Scale Loc
 : 1073

 Certificate Nbr
 : 00000000
 Scaler Nbr
 : 2095

 Brand
 : 92591
 Transmission ID
 : CR714201

 Other Tkt
 : 10163
 Trucker
 : 9REED

Gross BF: 4,750 Net + BF: 4,670 Util BF: 0 Pleces : 16

Log Nbr	Tag Nbr	Deck	Log Sort		Cust Sort		ecies	Log Len			ade				Butt Dia	Len Ded		Gross BF	Net+ BF	Util BF	Qua1 Codes
1	LH27388		185	JT	185	DF	DF	36	1	29	#2	SM	36	17				420	420	0	
2	LH27389		209	HK	209	H	HEM	26	1	32	#3	SM	26	8				50	50	0	
3	LH27390		209	HK.	209	H	HEM	34	1	32	#3	SM	34	10		1		130	130	0	
4	LH27391		125	FIT	125	DF	DF	36	1	29	#2	SM	36	12				180	180	0	
5	LH27392		209	HK	209	H	HEM	36	1	32	#3	SM	36	9		2		100	100	0	
6	LH27393		185	JT	185	DF	DF	40	1	29	#2	SM	40	17		1		460	450	0	
2	LH27394		108	FV.	108	DF	DF	40	1	29	#2	SM	40	12				200	200	0	
8	LH27395		185	JT	185	DE	DF	36	1	29	#2	SM	36	16		1		360	350	0	
9	LH27396		185	JT	185	DF	DF	36	1	29	#2	SM	36	14				260	260	0	
10	LH27397		185	JT	185	DF	DF	36	1	29	#2	SM	36	14				260	260	0	
11	LH27398		209	HK	209	H	HEM	32	1	29	#2	SM	32	13		3		190	180	0	J
12	LH27399		109	FE	109	DF	DF	36	1	29	#2	SM	36	18		1		480	470	0	
13	LH27400		185	JT	185	DF	DF	40	1	29	#2	SM	40	17		1		460	450	0	
14	LH27401		104	FXJ	104	DF	DF	36	1	29	#2	SM	36	15				320	320	0	
15	LH27402		185	JT	185	DF	DF	40	1	29	#2	SM	40	17		1		460	450	0	
16	LH27403		185	JT	185	DE	DF	36	1	29	#2	SM	36	17		1		420	400	0	
			Seg	nent 1	otal	î	16	Priece	25									4,750	4,670	0	

Avg Length 36.0 Avg Diameter 14.1 Avg Net BF/Piece 291

Spe	ecies	Cust. Sort	G	ra	de		Pieces	Gross BF	Net+ BF	Util BF	Sp	ecies	Pieces	Gross BF	Net+ BF	Util BF
DF	DF	104	2	9	#2	SM	1.00	320	320	0	DF	DF	12	4,280	4,210	0
DF	DF	108	25	9	12	SM	1.00	200	200	0	H	HEM	4	470	460	0
DF	DF	109	2	9	#2	SM	1.00	480	470	0	100					
DF		125			-	SM	1.00	180	180	0						
	DF	185				SM	8.00	3,100	3,040	0						
H	HEM	209				SM	1.00	190	180	0						
Н	HEM	209				SM	3.00	280	280	0						
							16.00	4,750	4,670	0			16	4,750	4,670	0

PRICE LIST EFFECTIVE OCTOBER 1, 2016 Prices are subject to change at any time without prior notice

Longview Sort Yard

Douglas-Fir (Scaled Loads)

sougeas-rw (ac	cared Loadsy				
1 RS	2M & Btr	\$810.00	/Net M	14" plus	34" - 40"
2 SS	2M & Btr	\$780.00		12" plus	30' - 40'
37 SSP	2M & Btr	\$780.00	/Net M	12" plus	30' - 40'
72 SSC	2M & Btr	\$780.00	/Net M	12° plus	30' - 40'
25 15	2M & Btr	\$785.00		14" - 19"	26' - 40'
26 ISC	2M & Btr	\$765.00		12" - 13"	26' - 40'
36 IS36	2M & Btr	\$765.00	/Net M	12" - 13"	36'
25 IS	2M & Btr	\$715.00		20" plus	26' - 40'
9 SLC	3M	\$730.00		9" - 11"	26' - 40'
20 Reman	2M & Btr	\$615.00	11-21-4-2-4-4	9" plus	26' - 40'
27 880	2M & Btr	\$625.00		25" plus	34' - 40'
43 Oversize	3M & Bbr	\$550.00		24" plus	26' - 40'
4 GCO	2M & Btr	\$550.00		12" - 23"	26' - 40'
5 GC	2M & Btr	\$615.00		12" plus	28' - 40"
13 Quad	3M	\$420.00		8" - 11"	26' - 40"
15 DOM	3M & Btr	\$615.00		12" plus	26' - 40'
16 ChS	3M	\$400.00	100000	5" - 7"	26' - 40'
19 Export Guad	3M	\$615.00		8" - 11"	26' - 40'
24 Dom	2M & Btr	\$400.00	/Net M	12" plus	26' - 40'
24 Dom	3M	\$300.00	/Net M	12° plus	26' - 40'
56 Temple	2M & Btr	\$900.00	/Not M	32" plus	36° plus
Western Hemla	ck (Scaled Lo	eds)			
25 IS	2M & Bir	\$615.00	/Net M	12" plus	26' & 36'
6 SC	3M	\$815.00	/Not M	10" - 11"	36'
5 GC	2M & Btr	\$615.00	/Net M	12" plus	36'
19 Export Qued	3M	\$815.00	/Net M	10" - 11"	36'
3 Small Exp Quad	3M	\$585.00	21244	8" - 11"	26' - 40'
15 Exp Heading	3M & Btr	\$585.00	1227-268-048	12" plus	26' - 40'
43 Oversize	3M & Btr	\$585.00	/Net M	24" plus	28' - 40'
13 Quad	3M	\$350.00	/Not M	8" - 11"	26' - 40'
16 CnS	3M	\$300.00	/Net M	5* - 7*	26' - 40'
24 Dom	3M	\$300.00	/Net M	12" plus	26' - 40'
True Firs - GF,	SP. NF. SF (S	caled Loads	6)		
15 Large Export	3M & Btr	\$585.00		12" plus	26' - 40'
3 Small Exp Quad	3M & Btr	\$585.00	/Net M	8" - 11"	26' - 40'
43 Oversize	3M & Btr	\$585.00	/Net M	24° plus	26' - 40'
24 DOM	3M & Btr	\$300.00	/Net M	5" plus	26' - 40'

Northwest Hardwoods, Inc.

120 Industrial Way

Longview, WA. 98632

(360) 577-3887

LOG PURCHASE AGREEMENT

An extension of the second state of the second

LPA#

JA100316-02

	PRIMARY
VENDOR NAME	Trout Mountain Foretry
	attn: Barry Sime
ADDRESS	1800 NW Upshur St, Suite 201
CITY, STATE, ZIP	Portland, OR. 97209
PHONE#	(503) 233-2131
DELIVERY POINT	Longview
SPLIT PAYMENT	100%

ALDER SIMBF			DU	AMETER.	THE REAL PROPERTY.		
	12"+	11"	10"	9"	8"	7"	6"
Merch	\$775	\$725	\$675	\$650	\$650	\$525	\$400
A - Age Stain	\$725	\$675	\$625	\$600	\$600	\$475	\$360
P - Sort	\$725	\$675	\$625	\$600	\$600	\$475	\$360

WEIGHT SPECIFICATIONS								
LOAD TYPE	\$/TON							
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1							
0020-22-2-4								
Information and the second								
A STATE OF THE STA								

Maple/Ash \$mbf	12"+	11"	10"	9"	8"	7"	6"
Merch	\$476	\$450	\$425	\$400	\$375	\$360	\$260
Merch P - Sort	\$425	\$400	\$375	\$350	\$325	\$300	\$200

SHORT PULP= Pups, Mule Trains, Double Insets on Hayrocks, And/Or loads with less than 28ft length average.

EFFECTIVE DATE October 3, 2016

EXPIRATION DATE November 4, 2016

NAME OF SALE Camp Namanu

LOGGER RS Wood Products (Randy Stone)

BRAND TM with Rafter

PERMIT#

EST. VOL. 40mbf

Cartification Type:		
Certified Percentage:	0%	Expiration Date
Certificate Number(s):		
Log Source(s):	gate	
Log Origin (state-county)	OR - Clackames	

ALL SPECIES: All Cuils & REJECTS \$ 0.00 MBF

TITLE

6" Logs & Utility logs (4" Min Dia, 12" Min Length) \$150.00 MBF

SPECIAL INSTRUCTIONS: Preferred lengths: 40', 36', 30' and 28'. No 12', 14' or 22' lengths.

Minimum Top Diameter: 6 Inches Maximum Maple Butt Diameter:

Transportation Documents: Every truck load MUST have a trip ticket accompanying it that clearly states timber owner; Boom Reports to contain timber marks.

Seller warrants that it has clear title to all logs it sells to Northwest Hardwoods and that all logs are free from all liens and encumbrances or claims upon which liens may be based. Seller agrees to hold Northwest Hardwoods harmless from all liabilities, losses, costs, fees, damage, suits and actions in any way resulting from Northwest Hardwoods purchase of logs from seller

