

District: West Oregon

Date: September 30, 2014

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$234,669.76	\$0.00	\$234,669.76
		Project Work:	\$(52,749.00)
		Advertised Value:	\$181,920.76

9/30/14



"STEWARDSHIP IN FORESTRY"

District: West Oregon Date: September 30, 2014

timber description

Location: Portions of Sections 15, 16, 21, 22, and 23, T11S, R8W, W.M., Lincoln County,

Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)	
Douglas - Fir	11	0	95	

Volume by Grade	3S	4S	Total
Douglas - Fir	1,383	593	1,976
Total	1,383	593	1,976



"STEWARDSHIP IN FORESTRY"

District: West Oregon Date: September 30, 2014

comments: Pond Values Used: 3rd Quarter Calender Year 2014.

Western Hemlock and Other Conifers Stumpage Price = Douglas-fir Bid Price

Western redcedar and Other Cedars Stumpage Price = Douglas-fir Bid Price

Red Alder and Other Hardwoods Stumpage Price =
Douglas-fir Bid Price

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/Gallon

LOG HAUL:

Costed to Eugene.

HAULING COSTS

Hauling costs equivalent to \$780 daily truck cost.

Other Costs (with Profit & Risk to be added): Brand and Paint: 1,976 MBF @ \$1/MBF = \$1,976

Intermediate Supports: \$1,200

TOTAL Other Costs (with Profit & Risk to be aded) = \$3,176

Other Costs (No Profit & Risk added):

Invasive Species Equipment Cleaning: \$2,000

Firewood Sorting: \$1,000

Non-project roads/additional logging costs: \$750 Forest Investment Associates Road Use Fee: \$752.80 TOTAL Other Costs (No Profit & Risk added) = \$4,502.80

SLASH DISPOSAL

None.



"STEWARDSHIP IN FORESTRY"

District: West Oregon Date: September 30, 2014

logging conditions

combination#: 1 Douglas - Fir 45.64%

yarding distance: Short (400 ft) downhill yarding: No logging system: Track Skidder Process: Stroke Delimber

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 3.0 bd. ft / load: 3,000

cost / mbf: \$159.80

machines: Stroke Delimber (B)

combination#: 2 Douglas - Fir 26.92%

yarding distance: Short (400 ft) downhill yarding: No logging system: Cable: Small Tower <=40 Process: Stroke Delimber

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 3.0 bd. ft / load: 3,000

cost / mbf: \$314.92
machines: Log Loader (A)
Stroke Delimber (A)

Tower Yarder (Small)

combination#: 3 Douglas - Fir 18.47%

\$377.90

yarding distance: Medium (800 ft) downhill yarding: No logging system: Cable: Small Tower <=40 Process: Stroke Delimber

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 2.5 bd. ft / load: 3,000

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Small)

cost / mbf:

combination#: 4 Douglas - Fir 8.97%

yarding distance: Long (1,500 ft) downhill yarding: No logging system: Cable: Small Tower <=40 Process: Stroke Delimber

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 2.0 bd. ft / load: 3,000

cost / mbf: \$472.37 machines: Log Loader (A)

> Stroke Delimber (A) Tower Yarder (Small)



"STEWARDSHIP IN FORESTRY"

West Oregon

Timber Sale Appraisal Cline Plunkett Thin Sale 341-15-39

Date: September 30, 2014

logging costs

Operating Seasons: 2.00 Profit Risk: 15.00%

Project Costs: \$52,749.00 **Other Costs (P/R):** \$3,176.00

Slash Disposal: \$0.00 Other Costs: \$4,502.80

Miles of Road

District:

Road Maintenance: \$2.62

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$/MBF	Trips/Day	MBF / Load	
Douglas - Fir	\$0.00	2.0	3.0	



District: West Oregon Date: September 30, 2014

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$269.87	\$2.75	\$4.44	\$118.69	\$1.61	\$59.60	\$0.00	\$5.00	\$2.28	\$464.24

Specie Amortization		Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$583.00	\$118.76	\$0.00



"STEWARDSHIP IN FORESTRY"

District: West Oregon Date: September 30, 2014

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,976	\$118.76	\$234,669.76

Gross Timber Sale Value

Recovery: \$234,669.76

Prepared by: Joe Goldsby Phone: 541-929-9168

SUMMARY OF ALL PROJECT COSTS

Sale Name:	Cline Plunkett Thir	n	I NOOLO	Date:	September 2014	
Project #1 - New C	Construction					
Road Segment		<u>Length</u>		Cost		
A1 to A2		12.9 sta		\$2,197		
A5 to A6		2.4 sta		\$710		
C2 to C3		3.2 sta		\$793		
C6 to C7		2.8 sta		\$733		
C10 to C11		1.6 sta		\$583		
C12 to C13		2.5 sta		\$700	•	
C16 to C17		12.5 sta		\$2,515		
C20 to C21		1.8 sta	•	\$608		
C22 to C23		3.6 sta		\$842	•	
D4 to D5		17.8 sta		\$2,891		
D7 to D8		4.7 sta		\$762		
	TOTALS	65.8 sta		4,4-	•	\$13,334
Project #2 - Improv	<u>vements</u>					
Road Segment	4	<u>Length</u>		Cost		
A to A1		26.8 sta		\$1,156		
A3 to A4		71.6 sta		\$3,454		
A7 to A8		6.2 sta		\$61		
A9 to A10		5.6 sta		\$55		
B to B1		54.5 sta		\$749		
B1 to B6		57.6 sta		\$1,261		
B2 to B3		20.1 sta		\$6,956		
B4 to B5		1.1 sta		\$1,208		
B6 to B7		10.2 sta		\$9,473		
C to C1		55.7 sta		\$687		
C4 to C5		5.8 sta		\$399	•	
C8 to C9		32.2 sta		\$2,203		
C14 to C15 C18 to C19		18.6 sta 1.5 sta		\$1,329 \$108		
D to D1		39.5 sta 22.8 sta		\$3,374		
D2 to D3	TOTALS	429.8 sta		\$1,295		\$33,768
	TOTALS	429.0 Sta				ψ00,700
Project #3 - Vacate	Road					
D1 to D6		26.1 sta				\$755
Project #4 - Post H	lamoat Astivities					
Turnaround rock	iarvest Activities					
Tank traps (8)						\$1,953
rank traps (0)						ψ1,500
Move in			Cost	On-site move		
Crawler tractor, D-7	or equiv.		\$1,640	\$100		
Grader, Cat 14-G or	•		\$340	\$40		
Backhoe			\$340	\$100		
Vibratory roller			\$340	\$39		÷
	TOTAL					\$2,939
			_			
			G	RAND TOTAL	_	\$52,749

Compiled by J. Doyal Date 09/02/2014

SALE ROAD	Cline Plunket A to A1	t Thin	Project #	2		LENGTH	l improve	9	26.8 sta
IMPROVE	EMENT								÷
Re-open of Sta. 7+80 (with dozen	to 26+80	19 sta	. @		\$45.27	/sta	=	\$860	
Shape su Sta. 0+00 (with road	to 7+80	7.8 sta	. @		\$9.90	/sta	=	\$77	
Shape su Sta. 7+80 (with road	to 26+80	19 sta	. @		\$11.55	/sta.	=	\$219	
						TOTAL II	MPROVE	EMENT	\$1,156
Compiled Date:	•	J. Doyal Sep 2, 2014				GRAND	TOTAL =	====>	\$1,156

12.9 sta LENGTH const SALE Project # 1 Cline Plunkett Thin ROAD A1 to A2 **CLEARING AND GRUBBING** \$717 road 0.71 acres \$1,010.24 /acre @ \$101 landing 0.10 acres @ \$1,010.24 /acre TOTAL CLEARING AND GRUBBING = \$818 With D7 dozer or equivalent **EXCAVATION** \$74.28 /sta. \$958 Construct road 12.9 sta. @ 2 hr. \$135.80 /hr. \$272 Construct landing = @ 12.9 sta. \$11.55 /sta \$149 Shape subgrade @ (with road grader) \$1,379 TOTAL EXCAVATION =

GRAND TOTAL ====>

\$2,197

Compiled by:

Date:

J. Doyal Sep 2, 2014

SALE ROAD	Cline Plunke A3 to A4	ett Thin	Project #	2	LENGTH	l impro	ve	71.6 sta
IMPROVE Shape su (with road	rface	71.6 sta	@	\$9.90	/sta TOTAL I	= MPRO\	\$709 /EMENT	\$709
SURFACI Spot Roci (100 cy/m	k	144 cy of	Size 1 1/2-0"	Cost \$19.06	/yd.	=	\$2,745	
					TOTAL F	ROCK C	COST	\$2,745
Compiled	by:	J. Doyal Sep 2, 2014	•		GRAND	TOTAL	====>	\$3,454

2.4 sta LENGTH const SALE Cline Plunkett Thin Project # 1 ROAD A5 to A6 **CLEARING AND GRUBBING** \$131 road \$1,010.24 /acre 0.13 acres @ \$101 landing 0.10 acres @ \$1,010.24 /acre TOTAL CLEARING AND GRUBBING = \$232 With D7 dozer or equivalent **EXCAVATION** \$74.28 /sta. \$178 2.4 sta. @ Construct road 2 hr. \$135.80 /hr. \$272 Construct landing @ \$11.55 /sta \$28 Shape subgrade 2.4 sta. @ (with road grader) TOTAL EXCAVATION = \$478

GRAND TOTAL ====>

\$710

Compiled by:

Date:

J. Doyal Sep 2, 2014

SALE Cline Plunkett Thin

Project # 2

LENGTH improve

6.2 sta

ROAD A7 to A8

IMPROVEMENT

Shape surface

6.2 sta.

@

\$9.90 /sta

=

\$61

(with road grader)

TOTAL IMPROVEMENT

\$61

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL ====>

SALE

Cline Plunkett Thin

Project # 2

LENGTH improve

5.6 sta

ROAD

A9 to A10

IMPROVEMENT

Shape surface

5.6 sta.

@

\$9.90 /sta

=

\$55

(with road grader)

TOTAL IMPROVEMENT

\$55

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL =====>

SALE Cline Plunkett Thin Project # 2 LENGTH improve 54.5 sta

ROAD B to B1

IMPROVEMENT
Shape surface 54.5 sta. @ \$13.75 /sta =

Shape surface 54.5 sta. @ \$13.75 /sta = \$749 (with road grader)

TOTAL IMPROVEMENT \$749

SALE ROAD	Cline Plunk B1 to B6	ett Thin	Project #	2	LENGTH	improve		57.6 sta
IMPROVE Shape sur (with road	face	57.6 sta.	@	\$13.75	/sta	=	\$792	
					TOTAL IN	/IPROVE	MENT	\$792
SURFACI Spot Rock (100 cy/m	(27 cy of	Size 3-0"	Cost \$17.37	/yd.	=	\$469	
,				•	TOTAL R	оск со	ST	\$469
Compiled Date:	by:	J. Doyal Sep 2, 2014			GRAND	TOTAL ==	===>	\$1,261

SALE ROAD	Cline Plunke B2 to B3	ett Thin	Project #	2	LENGTH	improve	Э	20.1 sta
IMPROVE Shape su (with road	rface	20.1 sta.	@	\$9.90	/sta	=	\$199	
					TOTAL IM	PROVE	MENT	\$199
SURFACI 3" lift (0+0 Landing (I	00 to 19+60)	324 cy of 36 cy of	Size 3-0" Jaw Run	Cost \$18.87 \$17.86	/yd. /yd.	===	\$6,114 \$643	
					TOTAL RO	OCK CC	ST	\$6,757
Compiled Date:	by:	J. Doyal Sep 2, 2014		•	GRAND T	OTAL =	====>	\$6,956

SALE ROAD	Cline Plunk B4 to B5	cett Thin	Project #	2	LENGTI	-l improve	•	1.1 sta
IMPROVE	EMENT							
Re-open l (with road	_	0.25 hrs.	@	\$ 135.80	/hr.	=	\$34	
Shape su (with road	rface	1.1 sta.	@	\$11.55	/sta	=	\$13	
Compact	subgrade atory roller)	1.1 sta.	@	\$8.31 ·	/sta.	=	\$9	
					TOTAL	IMPROVE	MENT	\$56
SURFAC	NG	·	Size	Cost				
•	00 to 0+60)	27 cy of	3-0"	\$18.87	/yd.	=	\$509	
Landing (Point B5)	36 cy of	Jaw Run	\$17.86	/yd.	=	\$643	
					TOTAL	ROCK CO	ST	\$1,152
Compiled Date:	by:	J. Doyal Sep 2, 2014			GRAND	TOTAL =	===>	\$1,208

SALE ROAD	Cline Plunke B6 to B7	tt Thin	Project#	2	LENGTH	H improv	ve ·	10.2 sta
IMPROVE	-MENT							
Re-open i	oad	3 hrs.	@	\$135.80	/hr	=	\$407	
Re-open I	anding	0.5 hr.	@	\$ 135.80	/hr	=	\$68	
Shape su (with road	rface	10.2 sta.	@	\$11.55	/sta	=	\$118	
Compact		10.2 sta.	@	\$8.31	/sta	=	\$85	
					TOTAL I	MPROVI	EMENT	\$678
SURFACI	NG		Size	Cost				
8" lift (0+0	0 to 9+70)	432 cy of	3-0"	\$18.87	/yd.		\$8,152	
Landing (I	Point B7)	36 cy of	Jaw Run	\$17.86	/yd.	=	\$643	
					TOTAL F	ROCK C	OST	\$8,795
	1	l David						
Compiled Date:	by:	J. Doyal Sep 2, 2014			GRAND	TOTAL :	====>	\$9,473

SALE ROAD	Cline Plunke C to C1	ett Thin	Project #	2		LENGTI	-l improv	re	55.7	⁷ sta
IMPROVE Re-open I (with doze Shape su	landing er)	1 hrs. 55.7 sta.	@	\$	135.80 \$9.90	/hr. /sta	=	\$136 \$551		
(with road							IMPROVI		\$687	7
Compiled Date:	by:	J. Doyal Sep 2, 2014				GRAND	TOTAL :	====>	\$687	,

SALE

Cline Plunkett Thin

Project # 1

LENGTH const

3.2 sta

ROAD

C2 to C3

CLEARING AND GRUBBING

0.18 acres

@

\$1,010.24 /acre

\$182 road

0.10 acres

@

\$1,010.24 /acre

\$101 landing

TOTAL CLEARING AND GRUBBING =

\$283

EXCAVATION

With D7 dozer or equivalent

Construct road

3.2 sta.

@

\$74.28 /sta.

\$238

Construct landing

2 hr.

@

\$135.80 /hr.

\$272

TOTAL EXCAVATION =

\$510

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL =====>

SALE

Cline Plunkett Thin

Project # 2

LENGTH improve

5.8 sta

ROAD

C4 to C5

IMPROVEMENT

Re-open road (with dozer)

5.8 sta.

@

\$45.27 /sta

\$263

TOTAL IMPROVEMENT

\$263

EXCAVATION

With D7 dozer or equivalent

Construct landing

1 hr.

@

\$135.80 /hr.

\$136

TOTAL EXCAVATION =

\$136

Compiled by:

Date:

J. Doyal

Sep 2, 2014

GRAND TOTAL ====>

SALE Cline Plunkett Thin Project # 1 LENGTH const 2.8 sta ROAD C6 to C7

CLEARING AND GRUBBING

0.15 acres @ \$1,010.24 /acre = \$152 road 0.10 acres @ \$1,010.24 /acre = \$101 landing

TOTAL CLEARING AND GRUBBING = \$253

EXCAVATION With D7 dozer or equivalent

Construct road 2.8 sta. @ \$74.28 /sta. = \$208 Construct landing 2 hr. @ \$135.80 /hr. = \$272

TOTAL EXCAVATION = \$480

Compiled by: J. Doyal

Date: Sep 2, 2014 GRAND TOTAL =====> \$733

SALE

Cline Plunkett Thin

Project # 2

LENGTH improve

32.2 sta

ROAD

C8 to C9

CLEARING AND GRUBBING

0.10 acres

@

\$1,010.24 /acre

= \$101 landing

TOTAL CLEARING AND GRUBBING =

\$101

IMPROVEMENT

Re-open road

32.2 sta.

@

\$45.27 /sta

= \$1,458

Shape surface

rface 32.2 sta.

@

\$11.55 /sta

\$372

(with road grader)

TOTAL IMPROVEMENT

\$1,830

EXCAVATION

With D7 dozer or equivalent

Construct landing

2 hr.

@ \$135.80 /hr.

\$272

-

Compiled by:

Date:

J. Doyal

Sep 2, 2014

GRAND TOTAL =====>

TOTAL EXCAVATION =

\$2,203

SALE

Cline Plunkett Thin

Project # 1

LENGTH const

1.6 sta

ROAD

C10 to C11

CLEARING AND GRUBBING

0.09 acres

@ \$1,010.24 /acre

= \$91 road

0.10 acres

@ \$1

\$1,010.24 /acre

= \$101 landing

TOTAL CLEARING AND GRUBBING =

\$192

EXCAVATION

With D7 dozer or equivalent

Construct road

1.6 sta.

@

\$74.28 /sta.

\$119

Construct landing

2 hr.

@

\$135.80 /hr.

\$272

TOTAL EXCAVATION =

\$391

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL ====>

SALE

Cline Plunkett Thin

Project # 1

LENGTH const

2.5 sta

ROAD

C12 to C13

CLEARING AND GRUBBING

0.14 acres

@

\$1,010.24 /acre

\$141 road

0.10 acres

@

\$1,010.24 /acre

\$101 landing

TOTAL CLEARING AND GRUBBING =

\$242

EXCAVATION

With D7 dozer or equivalent

Construct road

2.5 sta.

\$74.28 /sta.

\$186

Construct landing

2 hr.

@

\$135.80 /hr.1

\$272

TOTAL EXCAVATION =

\$458

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL ====>

SALE ROAD	Cline Plunk C14 to C15		Project #	2	LENGT	H improv	'e	18.6 sta
IMPROV	EMENT							
Re-open (with doze		18.6 sta.	@	\$45.27	/sta	==	\$842	
Shape su (with road	rface	18.6 sta.	@	\$11.55	/sta	=	\$215	·
		·			TOTAL	IMPROVI	EMENT	\$1,057
EXCAVA	TION	With D7 dozer	or equivale	nt				
Construct	anding	2 hr.	@	\$135.80	/hr.	=	\$272	
					TOTAL	EXCAVA	TION =	\$272
				•				
Compiled	by:	J. Doyal Sep 2. 2014			GRANI) TOTAL =	====>	\$1,329

SALE Cline Plunkett Thin Project # 1 LENGTH const 12.5 sta
ROAD C16 to C17

CLEARING AND GRUBBING

0.69 acres @ \$1,010.24 /acre = \$697 road 0.20 acres @ \$1,010.24 /acre = \$202 landings

TOTAL CLEARING AND GRUBBING = \$899

EXCAVATION With D7 dozer or equivalent \$929 12.5 sta. \$74.28 /sta. @ Construct road \$543 4 hr. \$135.80 /hr. Construct landings @ = \$144 Shape subgrade 12.5 sta. @ \$11.55 /sta (with road grader)

TOTAL EXCAVATION = \$1,616

Compiled by: J. Doyal

Date: Sep 2, 20:

Date: Sep 2, 2014 **GRAND TOTAL =====>** \$2,515

Project # 2 LENGTH improve 1.5 sta SALE Cline Plunkett Thin **ROAD** C18 to C19 **IMPROVEMENT** \$17 Shape surface 1.5 sta. \$11.55 /sta @ (with road grader) Re-open landing \$91 1 hr. @ \$90.75 /hr. (with road grader) TOTAL IMPROVEMENT \$108

Compiled by:

J. Doyal

Date: Sep 2, 2014

GRAND TOTAL =====>

SALE Cline Plunkett Thin ROAD C20 to C21

Project # 1

LENGTH const

1.8 sta

CLEARING AND GRUBBING

0

\$1,010.24 /acre

=

\$101 road

0.10 acres0.10 acres

@

\$1,010.24 /acre

=

\$101 landing

TOTAL CLEARING AND GRUBBING =

\$202

EXCAVATION

With D7 dozer or equivalent

Construct road

1.8 sta.

@

\$74.28 /sta.

= \$

\$134 \$272

Construct landing

2 hr.

@

\$135.80 /hr.

=

Compiled by:

Date:

J. Doyal

Sep 2, 2014

GRAND TOTAL ====>

TOTAL EXCAVATION =

\$608

SALE Cline Plunkett Thin ROAD C22 to C23

Project # 1

LENGTH const

3.6 sta

CLEARING AND GRUBBING

0.20 acres 0.10 acres @

\$1,010.24 /acre

= \$202 road

\$1,010.24 /acre

= \$101 landing

TOTAL CLEARING AND GRUBBING =

\$303

EXCAVATION

With D7 dozer or equivalent

Construct road

3.6 sta.

@

\$74.28 /sta.

= \$267

Construct landing

2 hr.

@ \$135.80 /hr.

= \$272

TOTAL EXCAVATION =

\$539

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL ====>

SALE ROAD	Cline Plunk D to D1	ett Thin	Project #	2	LENGTH	improve		39.5 sta
IMPROVI Shape su (with road	rface	39.5 sta.	@	\$13.75	/sta	=	\$543	
					TOTAL IN	MPROVE	MENT	\$543
Surface F	k (100 cy/mi)	81 cy of 18 cy of	Size 1 1/2-0" 1 1/2-0"	Cost \$19.06 \$19.06	/yd	= =	\$1,544 \$343	
					TOTAL R	OCK CO	ST	\$1,887
	PROJECTS rain (21+00)	30	ft.	@	\$20.00	/ft. =	\$600	
Backhoe	hand compac		hr. day	@	\$77.00 \$90.00	/hr `= /day = =	\$154 \$90 \$100	
				TOTAL S	PECIAL PI	ROJECTS	S COST =	\$944
Compiled Date:	by:	J. Doyal Sep 2, 2014			GRAND T	TOTAL ==	:===>	\$3,374

SALE ROAD	Cline Plunke D1 to D6	tt Thin	Project #	3	LENGTH	vacate		26.1 sta
SPECIAL	PROJECTS							
Vacate ro (with back		8 hr.	@	\$77.00	/hr.	=	\$616	
Culvert di	•					=	\$100	
Tank trap	•	0.5 hr.	@	\$77.00	/hr.	=	\$39	
(Point D1)				TOTAL S	PECIAL PI	ROJECTS	S COST =	\$755
Compiled	bv:	J. Doyal						
Date:	•	Sep 2, 2014			GRAND T	TOTAL ==	===>	\$755

SALE ROAD	Cline Plunke D2 to D3	ett Thin	Project#	2	LENGTH	l improve	•	22.8 sta
IMPROVI Re-open		22.8 sta.	@	\$45.27	/sta	=	\$1,032	
(with doze		22.0 Sta.	w	Ψ40.21	75ta		Ψ1,00Z	
Shape su (with road	bgrade	22.8 sta.	@	\$11.55	/sta	=	\$263	
					TOTAL I	MPROVE	MENT	\$1,295
Compiled Date:	by:	J. Doyal Sep 2, 2014			GRAND	TOTAL =	===>	\$1,295

SALE

Cline Plunkett Thin

Project # 1

LENGTH const

17.8 sta

ROAD

D4 to D5

CLEARING AND GRUBBING

0.98 acres 0.10 acres @

\$1,010.24 /acre

=

\$990 road

\$1,010.24 /acre

=

\$101 landing

TOTAL CLEARING AND GRUBBING =

EXCAVATION

With D7 dozer or equivalent

Construct road
Construct landing

17.8 sta.

@

\$74.28 /sta.

= \$1,322

\$272

Shape subgrade

2 hr. 17.8 sta. @ @ \$135.80 /hr. \$11.55 /sta

=

\$206

(with road grader)

TOTAL EXCAVATION =

\$1,800

\$1,091

Compiled by:

J. Doyal

Date:

Sep 2, 2014

GRAND TOTAL =====>

\$2,891

SALE Cline Plunkett Thin

Project # 1

LENGTH const

4.7 sta

ROAD D7 to D8

CLEARING AND GRUBBING

0.26 acres 0.10 acres @

\$808.19 /acre

=

\$210 road

\$808.19 /acre

=

\$81 landing

TOTAL CLEARING AND GRUBBING =

\$291

EXCAVATION

With D7 dozer or equivalent

Construct road
Construct landing

4.7 sta. 0.5 hr. @

\$74.28 /sta.

-

\$349

Shape subgrade

4.7 sta.

@ \$135.8 @ \$11.5

\$135.80 /hr. \$11.55 /sta =

\$68 \$54

(with road grader)

TOTAL EXCAVATION =

\$471

Compiled by:

J. Doyal

Date: Sep 2, 2014

GRAND TOTAL =====>

SALE ROAD	Cline Plunkett Thin	- Project #4	Post Harve	est		
SURFAC Turnarou		18 cy of 18 cy of 27 cy of 27 cy of	Size 3-0" 3-0" 3-0" 3-0"	Cost \$17.37 /yd = \$17.37 /yd = \$17.37 /yd = \$17.37 /yd =	\$313 \$313 \$469 \$469	Φ4 EG4
MISCELI Tank trap	ANEOUS PROJECTS Pt. A1 (Sta. 7+80) Pt. A5 Pt. C2 Pt. C4 Pt. C6 Pt. C8 Pt. C2 Pt. C8 Pt. C20 Pt. D7	0.5 hr. 0.5 hr. 0.5 hr. 0.5 hr. 0.5 hr. 0.5 hr. 1.5 hr.	8 88888	\$77.00 /hr. =	\$39 \$39 \$39 \$39 \$39 \$39 \$39 \$116	\$1,564
Compiled Date:	-	oyal 2, 2014		SCELLANEOUS PROJI		\$389 \$1, 953

SUMMARY OF MAINTENANCE COST

SALE ROAD Cline Plunkett Thin

- Final Maintenance Cost Estimate (Costed in appraisal, not in project costs)

Grading

Move-in

\$ 380.28

Road Segment	Length	Cost/Sta	Cost	Mileage
A3 to A4	71.6	\$9.90	\$708.84	1.36
B to B1	54.5	\$13.75	\$749.38	1.03
B1 to B6	57.6	\$13.75	\$792.00	1.09
B2 to B3	20.1	\$9.90	\$198.99	0.38
B4 to B5	1.1	\$9.90	\$10.89	0.02
B6 to B7	10.2	\$9.90	\$100.98	0.19
C to C1	55.7	\$9.90	\$551.43	1.05
D to D1	39.5	\$13.75	\$543.13	0.75
Totals	310.3		\$3,655.64	5.88

Maintenance Rock:

	Volume	Cost/CY	Cost
11/2-0"	27	\$19.06	\$514.62
3-0"	36	\$17.37	\$625.32
Grand Total			\$ 5,175.86
mo.14.4			
TS Volume	1,976	MBF	
Coot / MDE -			ቀባ ድባ
Cost / MBF =			\$2.62

NOTES:

Rock Haul Cost Computation

SALE NAME:		Cline Plunkett Thin DATE			DATE:	TE: Sep 2, 2014	
ROAD NAME:		Hwy 20 Cutoff CLAS			CLASS:	SS: Medium	
ROCK SOURCE:	•	Rickard			18 CY	truck	
Route:		Garrett Ln,	Hwy 20,	Harlan	Burnt	Woods Rd,	
		Burnt Woods	Ridge Ro	d, Burn	t Woods	Forest Ro	Ι,
		Hwy 20 Cuto	ff '				
TIME Computati	ion:						
Road speed tir	ne facto	rs:					
1.	55 MPH	24.6	MRT			26.8	minutes
2.	50 MPH		MRT			0.0	minutes
3.	45 MPH		MRT			0.0	minutes
4.	40 MPH	ů.	MRT			0.0	minutes
5.	35 MPH		MRT			0.0	minutes
6.	30 MPH	4.0	MRT			8.0	minutes
7.	25 MPH	2.4	MRT			5.8	minutes
8.	20 MPH	2.2	MRT			6.6	minutes
9.	15 MPH		MRT			0.0	minutes
10.	10 MPH		MRT			0.0	minutes
11.	05 MPH		MRT			0.0	minutes
Dump or spread	d time p	er RT				0.50	minutes
Total hauli	ng cycl	e time for t	his sett:	ing		.	
(100% effic	ciency)					47.70	minutes
Operator effic	ciency c	orrection	0.85			56.12	minutes
Job efficiency	correc	tion	0.90			62.36	minutes
Truck capacity	/ (CY)		18.00			3.46	min/CY
Loading time,	delay t	ime per CY				0.25	min/CY
TIME (minutes)	per cul	bic yard				3.71	min/CY
			•				
COST per CY co	mputatio	on					
Cost of tru	ick and	operator per	hour			\$90.22	/hr.
Cost of tru	ck and	operator per	minute			\$1.50	/min
Cost per CY						\$5.57	/CY
•							
Spread and com	ıpact	Water truck,	Grader	& Rolle	er	\$1.50	/CY
		c	Cost Deli	vered		Cost Deliv	ered
Size Cost	:/Yd (Pi	t) w	/o proce	ssing		with proce	essing
11/2 - 0" \$	10.80		\$16.37	٠.		\$17.87	
3 - 0" \$	9.11		\$14.68			\$16.18	
Jaw Run \$			\$13.67			\$15.17	

Note: Pit costs November 2012

Rock Haul Cost Computation

SALE NAME: ROAD NAME: ROCK SOURCE: Route:		ff Hwy 20, Harlan Ridge Road, Bu	DATE: Sep 2, 20 CLASS: Medium 9 CY truck Burnt Woods Rd, rnt Woods Forest			
TIME Computation:		•				
Road speed time factor	rs:					
1. 55 MPH		MRT	26.8	minutes		
2. 50 MPH		MRT	0.0	minutes		
3. 45 MPH		MRT	0.0	minutes		
4. 40 MPH		MRT	0.0	minutes		
5. 35 MPH		MRT	0.0	minutes		
6. 30 MPH	4.0	MRT	8.0	minutes		
7. 25 MPH	2.4	MRT	5.8	minutes		
8. 20 MPH	2.2	MRT	6.6	minutes		
9. 15 MPH		MRT	0.0	minutes		
10. 10 MPH		MRT	0.0	minutes		
11. 05 MPH		MRT	.0.0	minutes		
Dump or spread time per RT Total hauling cycle time for this setting (100% efficiency) 47.70 minutes						
Operator efficiency co	orrection	0.85	56.12	minutes		
Job efficiency correct		0.90		minutes		
Truck capacity (CY)		9.00	6.93	min/CY		
Loading time, delay ti	0.25	min/CY				
TIME (minutes) per cub	7.18	min/CY				
COST per CY computation Cost of truck and operator per hour Cost of truck and operator per minute \$68.88 /h \$1.15 /m						
Cost per CY			\$8.26	/CY		
Spread and compact	Water truck	, Grader & Rolle	er \$1.50	/CY		
	C	Cost Delivered	Cost Deliv	ered		
Size Cost/Yd (Pi		/o processing	with proce			
1½ - 0" \$ 10.80	•	\$19.06	\$20.56	_		
3 - 0" \$ 9.11		\$17.37	\$18.87	•		
Jaw Run \$ 8.10		\$16.36	\$17.86			
, 3.20			,			

TIMBER CRUISE REPORT

- 1. Sale Area Location: Portions of Sections 15, 16, 21, 22, and 23, T11S, R8W, W.M., Lincoln County, Oregon.
- 2. Fund Distribution:

a. Fund BOF 100%

b. Tax Code

3. Sale Acreage by Area:

Area	Treatment	Gross Acres	Acreage Adjustment	Net Sale Acres	Acreage Comp. Method	Closure
1	Partial Cut	86	Cruise	70	Ortho photo, GIS, GPS	n/a
2	Partial Cut	90	Cruise	80	Ortho photo, GIS, GPS	n/a
3	Partial Cut	217	Cruise	194	Ortho photo, GIS, GPS	n/a
4	Partial Cut	3	Cruise	3	Ortho photo, GIS, GPS	n/a

- **4. Cruisers and Cruise Dates:** Sale Areas 1 and 2 were cruised by Trask Hodgeson in the winter of 2013. Area 3 was cruised by Evelyn Hukari in the fall of 2012. The volume for Area 4 was estimated based upon cruise data from the other sale areas.
- 5. Cruise Method and Computation: The sale consists of four partial cut areas that were cruised using variable plot sampling. All areas were cruised using a 20 BAF. Plots were randomly located throughout the areas with 29 plots in Area 1, 25 plots in Area 2, and 11 plots in Area 3. Trees contributing to excess basal area on each plot (above the residual basal area target of 140 ft²/acre) were measured for DBH and height. Data from measured trees was entered into a variable plot density management worksheet to determine removal volumes. Standard grade, defect, and breakage percentages were applied to the resulting volumes.

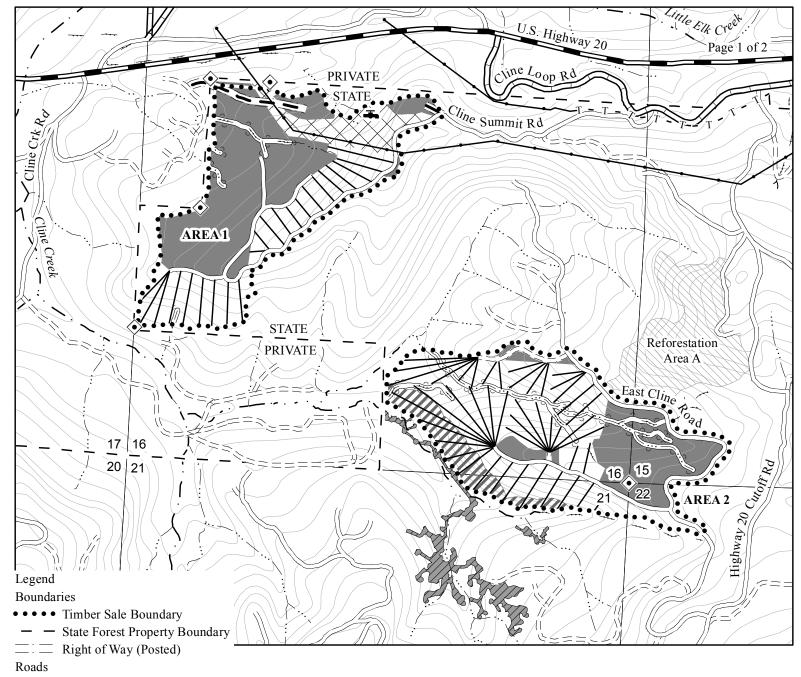
Stereo photos, digital ortho photos, LiDar data, and GPS data from a Garmin GPSmap 62s were used to map the boundaries for the sale, and ArcMap 10.1 was used to determine gross acreage.

6. Timber Description: Timber in Area 1 is 29 year-old planted Douglas-fir. Area 2 contains 26 year-old planted Douglas-fir. Area 3 is largely 26 year-old planted Douglas-fir with approximately 6 acres of 64 year-old Douglas-fir. Area 4 is 37 year-old planted Douglas-fir. Reserved tree species detected in the unit include red alder and bigleaf maple. Reserved trees were found in small amounts throughout Areas 1, 2, and 3.

7. Total Volume (MBF) by Species and Grade:

Species	Gross Cruise Volume	D & B	D & B (MBF)	Net Sale Volume
Area 1				
Douglas-fir	432	5%	22	410
Area 2				
Douglas-fir	473	5%	24	449
Area 3				
Douglas-fir	1156	5%	58	1098
Area 4				
Douglas-fir	20	5%	1	19
Total				
Douglas-fir	2081	5%	104	1976

Species	DBH	Net Vol.	2-Saw	3-Saw	4-Saw	% D & B
Area 1	Grade Percentages			70%	30%	
Douglas-fir	11.2	410		287	123	5%
Area 2	Grade P	ercentages		70%	30%	
Douglas-fir	11.1	449	1	314	135	5%
Area 3	Grade Percentages		-	70%	30%	
Douglas-fir	11.3	1098	1	769	329	5%
Area 4	Grade Percentages		-	70%	30%	
Douglas-fir	11.5	19		13	6	5%
Total	Grade Percentages			70%	30%	
Douglas-fir	11.3	1976		1383	593	5%



Highway

County Road

= Surfaced Road

= Unsurfaced Road

New Construction

Streams

· — · Type F Stream

Type D Stream

··· — · · Type N Stream

Unposted Stream Buffer

Yarding Method

Tractor Yarding Area

· Cable Corridors

Potential Suitable Habitat

Seasonally Restricted Buffer

XX Low Stocked Area

Reforestation Area

Overhead Transmission Line

Γ - T - Buried Transmission Line

Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-15-39 CLINE PLUNKETT THIN PORTIONS OF SECTIONS 15, 16, 21, 22 & 23, T11S, R8W, W.M., LINCOLN COUNTY, OREGON

This product is for informational use and may not have been prepared for or be suitable for legal, engineering or survey purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of this information.

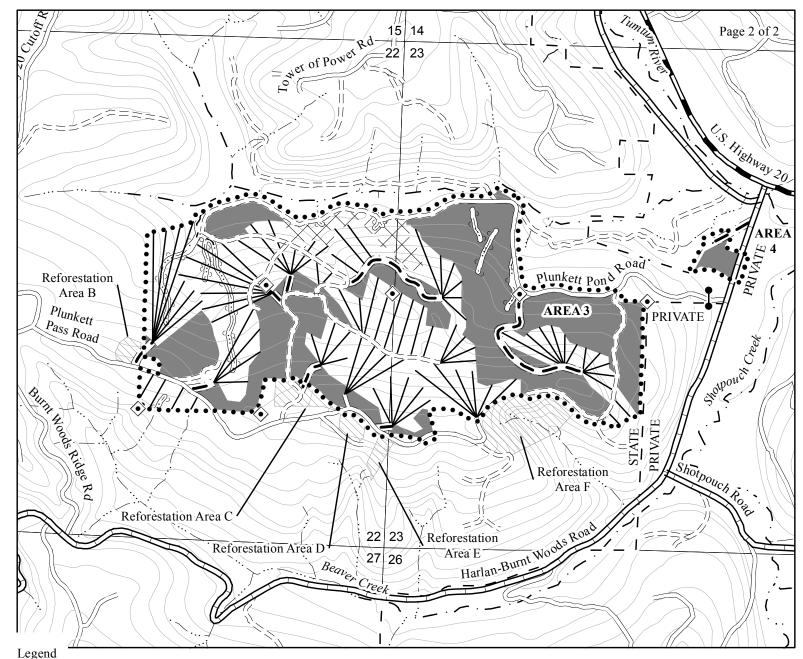
Scale 1:12,000

1,000 0 1,000 2,000

AREA	TRACTOR	CABLE
1 (PC) 2 (PC) 3 (PC) 4 (PC)	43 20 91 3	27 60 103 0
TOTAL	157	190



Created By: Blake McKinley bmckinley@odf.state.or.us Date: 08/28/2014



Boundaries

• • • Timber Sale Boundary

State Forest Property Boundary

Right of Way (Posted)

Roads

= Highway

Surfaced Road

Unsurfaced Road

New Construction

Streams

Type F Stream

- Type D Stream

··· Type N Stream

Unposted Stream Buffer

Yarding Method

Tractor Yarding Area Cable Corridors

Low Stocked Area Reforestation Area

Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-15-39 CLINE PLUNKETT THIN PORTIONS OF SECTIONS 15, 16, 21, 22 & 23, T11S, R8W, W.M., LINCOLN COUNTY, OREGON

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> Scale 1:12,000

1.000 1,000 2,000

AREA	NET ACRES TRACTOR	NET ACRES CABLE
1 (PC) 2 (PC) 3 (PC) 4 (PC)	43 20 91 3	27 60 103 0
TOTAL	157	190



Created By: Blake McKinley bmckinley@odf.state.or.us Date: 05/13/2014