



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Camp Adeer
Sale WO-341-2018-095-

District: West Oregon

Date: February 07, 2018

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$770,915.40	\$8,636.76	\$779,552.16
		Project Work:	(\$44,613.00)
		Advertised Value:	\$734,939.16



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District: West Oregon

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Timber Description

Location: Portions of Sections 26 & 35, T11S, R9W, W.M., Lincoln County, Oregon.

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	95
Alder (Red)	21	0	85

Volume by Grade	2S	3S & 4S 6"-11"	Special Cull	Camprun	Total
Douglas - Fir	1,017	304	19	0	1,340
Alder (Red)	0	0	0	22	22
Total	1,017	304	19	22	1,362

Comments: Expected Log Markets: Philomath, Eugene, Springfield, Willamina.

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
\$371.54/MBF = \$620/MBF - \$248.46/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$1,221.54/MBF = \$1,570/MBF - \$348.46/MBF

SCALING COST ALLOWANCE = \$5.00/MBF

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$780 daily truck cost.

Other Costs (with Profit & Risk to be added):

Other Costs (No Profit & Risk added):
Equipment Cleaning (Invasive Species): \$2,000
Firewood Sorting & Landing Piling: 4 landings @ \$180/landing: \$720
TOTAL Other Costs (No Profit & Risk added) = \$2,720

SLASH DISPOSAL
Move-In: \$1,290
Machine Wash: \$300
Project Work: = \$2,400
TOTAL Slash Disposal = \$3,990



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Logging Conditions

Combination#: 1 Douglas - Fir 60.00%
 Alder (Red) 60.00%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 9 **bd. ft / load:** 4600
cost / mbf: \$187.93
machines: Log Loader (A)
 Forwarder
 Harvester
 Tower Yarder (Medium)

Combination#: 2 Douglas - Fir 40.00%
 Alder (Red) 40.00%

Logging System: Shovel **Process:** Harvester Head Delimbing
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 14 **bd. ft / load:** 4600
cost / mbf: \$82.98
machines: Forwarder
 Harvester



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Camp Adeer Sale WO-341-2018-095-

District: West Oregon

Date: February 07, 2018

Logging Costs

Operating Seasons: 1.00	Profit Risk: 12%
Project Costs: \$44,613.00	Other Costs (P/R): \$0.00
Slash Disposal: \$3,990.00	Other Costs: \$2,720.00

Miles of Road

Road Maintenance: \$10.31

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	3.0	4.3
Alder (Red)	\$0.00	2.0	3.6



Timber Sale Appraisal
Camp Adeer
Sale WO-341-2018-095-

District: West Oregon

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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling / Brand & Paint	Other	Total
Douglas - Fir									
\$145.95	\$10.83	\$3.22	\$63.49	\$0.00	\$26.82	\$2.93	\$7.00	\$2.00	\$262.24
Alder (Red)									
\$145.95	\$11.86	\$3.22	\$124.58	\$0.00	\$34.27	\$2.93	\$7.00	\$2.00	\$331.81

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$837.55	\$575.31	\$0.00
Alder (Red)	\$0.00	\$724.39	\$392.58	\$0.00



Timber Sale Appraisal
Camp Adeer
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Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,340	\$575.31	\$770,915.40
Alder (Red)	22	\$392.58	\$8,636.76

Gross Timber Sale Value

Recovery: \$779,552.16

Prepared By: Matt McBride

Phone: 541-929-3266

SUMMARY OF ALL PROJECT COSTS

Sale Name: Camp Adeer

Date: December 2017

Time: 13:40

Project #1 - New Construction & Improvements

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
A to B	2.6 sta	\$6,011
1 to 2	81.8 sta	\$2,824
2 to 3	33.4 sta	\$11,168
4 to 5	2.8 sta	\$826

TOTALS

120.6 sta

\$20,829

Project #2 - Stockpile Creation

<u>3-0"</u>	<u>Cost</u>
1,000 Cy	\$20,607

\$20,607

Move in

	<u>Cost</u>	<u>On-site move</u>
Crawler tractor, D-6 or equiv.	\$778	
Grader, Cat 14-G or equiv.	\$1,300	
Backhoe	\$321	
Vibratory roller	\$778	

TOTAL

\$3,177

GRAND TOTAL

\$44,613

Compiled by M. McBride

Date 12/29/2017

SUMMARY OF CONSTRUCTION COST

SALE	Camp Adeer	Project # 1	LENGTH const	2.6 sta
ROAD	A to B	Outsloped, Surfaced		

CLEARING AND GRUBBING

0.20 acres	@	\$1,337.00 /acre	=	\$267 road
0.10 acres	@	\$1,337.00 /acre	=	\$134 landing

TOTAL CLEARING AND GRUBBING = \$401

EXCAVATION

With D7 dozer or equivalent

Construct road	2.6 sta.	@	\$122.00 /sta.	=	\$317
Drift subgrade material	1 sta.	@	\$190.00 /sta.	=	\$190
Construct landing	1 ldg.	@	\$389.00 /ldg.	=	\$389

TOTAL EXCAVATION = \$896

Subgrade Prep

Grade/shape surface (with road grader)	2.6 sta	@	\$18.35 /sta	=	\$48
Compact subgrade (with vibratory roller)	2.6 sta	@	\$20.19 /sta	=	\$52

TOTAL EXCAVATION = \$100

SURFACING

			Size	Cost/yd	
Surface rock (8"lift)	120 cy of		Jaw-Run	\$23.90	= \$2,868
Landing rock	40 cy of		Jaw-Run	\$23.90	= \$956
Junction rock	30 cy of		Jaw-Run	\$23.90	= \$717
Grade/Process surface rock (with 14G and vibratory roller)	3.0 sta.	@	\$24.28 /sta	=	\$73

TOTAL SURFACING = \$4,614

Compiled by:

M. McBride

Date:

Dec 29, 2017

GRAND TOTAL =====>

\$6,011

SUMMARY OF CONSTRUCTION COST

SALE	Camp Adeer	Project # 1	LENGTH improve	81.8 sta
ROAD	1 to 2	Baber Ridge Rd./Deer Creek Ridge Rd.		

IMPROVEMENT

Spread rock	30 sta	@	\$18.35 /sta	=	\$551
(Turnouts & turnaround)					
(with 14G)					

TOTAL IMPROVEMENT	\$551
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SURFACING

		Size	Cost/yd		
Turnout rock (6)	60 cy of	3-0"	\$25.25	=	\$1,515
Turnaround rock	30 cy of	3-0"	\$25.25	=	\$758
(Sta. 54+30)					

TOTAL SURFACING =	\$2,273
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Compiled by:	M. McBride
Date:	Dec 29, 2017

GRAND TOTAL =====>	\$2,824
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SUMMARY OF CONSTRUCTION COST

SALE	Camp Adeer	Project # 1	LENGTH improve	33.4 sta
ROAD	2 to 3	Deer Camp Rd.		

IMPROVEMENT

Slough Removal (Includes end haul)	40.0 cy	@	\$4.00 /cy	=	\$160
Pull ditch and scatter waste material	12.3 sta	@	\$12.41 /sta	=	\$153
Remove sod (with 14G)	33.4 sta	@	\$18.35 /sta	=	\$613
Grade/Process surface rock (with 14G and vibratory roller)	33.4 sta	@	\$24.28 /sta	=	\$811

TOTAL IMPROVEMENT = \$1,737

SURFACING

			Size	Cost/yd		
Surface rock (2"lift) (Pt. 2 to sta 22+60)	250 cy of		1½-0"	\$25.59	=	\$6,398
Junction rock (PT. 2)	20 cy of		1½-0"	\$25.59	=	\$512
Spot rock (Sta 22+60 to Pt 3)	60 cy of		3-0"	\$25.25	=	\$1,515
Landing rock	40 cy of		jaw-run	\$23.90	=	\$956

TOTAL SURFACING = \$9,381

SPECIAL PROJECTS

Clean out culverts (inlets and outlets)	2 culverts	@	\$25.00 ea.	=	\$50
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TOTAL SPECIAL PROJECTS COST = \$50

Compiled by: M. McBride
Date: Dec 29, 2017

GRAND TOTAL =====> \$11,168

SUMMARY OF CONSTRUCTION COST

SALE Camp Adeer Project # 1 LENGTH improve 2.8 sta
ROAD 4 to 5

IMPROVEMENT

Grade/Process 2.8 sta @ \$24.28 /sta = \$68
surface rock
(with 14G and vibratory roller)

TOTAL IMPROVEMENT \$68

SURFACING

Junction rock (Pt. 4) 30 cy of Size Cost/yd
3-0" \$25.25 = \$758

TOTAL SURFACING = \$758

Compiled by: M. McBride
Date: Dec 29, 2017

GRAND TOTAL =====> \$826

SUMMARY OF CONSTRUCTION COST

SALE Camp Adeer Project # 2 - Rock Stockpile
ROAD

IMPROVEMENT With road grader and vibratory roller

Spread/Compact 1 hr @ \$100.00 /hr = \$100
Stockpile pad rock

TOTAL IMPROVEMENT = \$100

STOCKPILE

		Size	Cost/yd		
Base rock	1000 cy of	3-0"	\$18.36	=	\$18,360
Barrier boulders	20 cy of	Boulder (24" minimum)	\$38.05	=	\$761

TOTAL ROCK COST = \$19,121

EQUIPMENT

Back hoe 18 hr. @ \$77.00 /hr. = \$1,386

Compiled by: M. McBride
Date: Dec 29, 2017

GRAND TOTAL =====> \$20,607

SUMMARY OF MAINTENANCE COST

SALE

Camp Adeer

- Final Maintenance Cost Estimate

(Costed in appraisal, not in project costs)

Grading

Move-in

Grader

\$ 1,300

Vibratory roller

\$ 778

Road Segment	Length	Cost/Sta	Cost	Mileage
Salmon Crk. Rd.	139.3	\$24.28	\$3,382.20	2.64
Wolf Crk. Rd.	21.8	\$24.28	\$529.30	0.41
1 to 2 Baber Ridge Rd./Deer Crk.	81.8	\$24.28	\$1,986.10	1.55
2 to 3	33.4	\$24.28	\$810.95	0.63
4 to 5	2.8	\$24.28	\$67.98	0.05
A to B	2.6	\$24.28	\$63.13	0.05

Total	281.7	\$6,839.66	5.34
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Maintenance Rock:

1½'-0"	Volume	Cost/CY	Cost
	200	\$25.59	\$5,118.00

Grand Total

\$ 14,035.66

TS Volume

1,362 MBF

$$\text{Cost} / \text{MBF} =$$

\$10.31

NOTES:

Rock Haul Cost Computation

SALE NAME: Camp Adeer DATE: Dec 29, 2017
ROAD NAME: CLASS: Medium
ROCK SOURCE: Wild Rose Quarry 10-12 CY truck
Route: Hwy. 223 to Hwy 20 to Salmon Creek to Sale Area

TIME Computation:

Road speed time factors:

1.	55 MPH	36.6	MRT	39.9 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		MRT	0.0 minutes
7.	25 MPH		MRT	0.0 minutes
8.	20 MPH		MRT	0.0 minutes
9.	15 MPH	8.0	MRT	32.0 minutes
10.	10 MPH	0.5	MRT	3.0 minutes
11.	05 MPH		MRT	0.0 minutes

Dump or spread time per RT 0.50 minutes

Total hauling cycle time for this setting
(100% efficiency) 75.40 minutes

Operator efficiency correction 0.85 88.71 minutes

Job efficiency correction 0.85 104.36 minutes

Truck capacity (CY) 10.00 10.44 min/CY

Loading time, delay time per CY 0.25 min/CY

TIME (minutes) per cubic yard 10.69 min/CY

COST per CY computation

Cost of truck and operator per hour \$79.00 /hr.

Cost of truck and operator per minute \$1.32 /min

Cost per CY \$14.11 /CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½ - 0"	\$ 11.48	\$25.59
3 - 0"	\$ 11.14	\$25.25
Jaw Run	\$ 9.79	\$23.90
Boulders	\$ 23.94	\$38.05

Note: Pit costs May 2016 Wild Rose - Conversion 1.35 ton/CY

Rock Haul Cost Computation

SALE NAME: Camp Adeer DATE: Dec 29, 2017
ROAD NAME: CLASS: Medium
ROCK SOURCE: Wild Rose Quarry 20 CY truck
Route: Hwy. 223 to Hwy 20 to Salmon Creek to Sale Area

TIME Computation:

Road speed time factors:

1.	55 MPH	36.6	MRT	39.9 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		MRT	0.0 minutes
7.	25 MPH		MRT	0.0 minutes
8.	20 MPH		MRT	0.0 minutes
9.	15 MPH	8.0	MRT	32.0 minutes
10.	10 MPH	0.5	MRT	3.0 minutes
11.	05 MPH		MRT	0.0 minutes

Dump or spread time per RT 0.50 minutes

Total hauling cycle time for this setting
(100% efficiency) 75.40 minutes

Operator efficiency correction 0.85 88.71 minutes

Job efficiency correction 0.85 104.36 minutes

Truck capacity (CY) 20.00 5.22 min/CY

Loading time, delay time per CY 0.25 min/CY

TIME (minutes) per cubic yard 5.47 min/CY

COST per CY computation

Cost of truck and operator per hour \$79.00 /hr.

Cost of truck and operator per minute \$1.32 /min

Cost per CY \$7.22 /CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½ - 0"	\$ 11.48	\$18.70
3 - 0"	\$ 11.14	\$18.36
Jaw Run	\$ 9.79	\$17.01

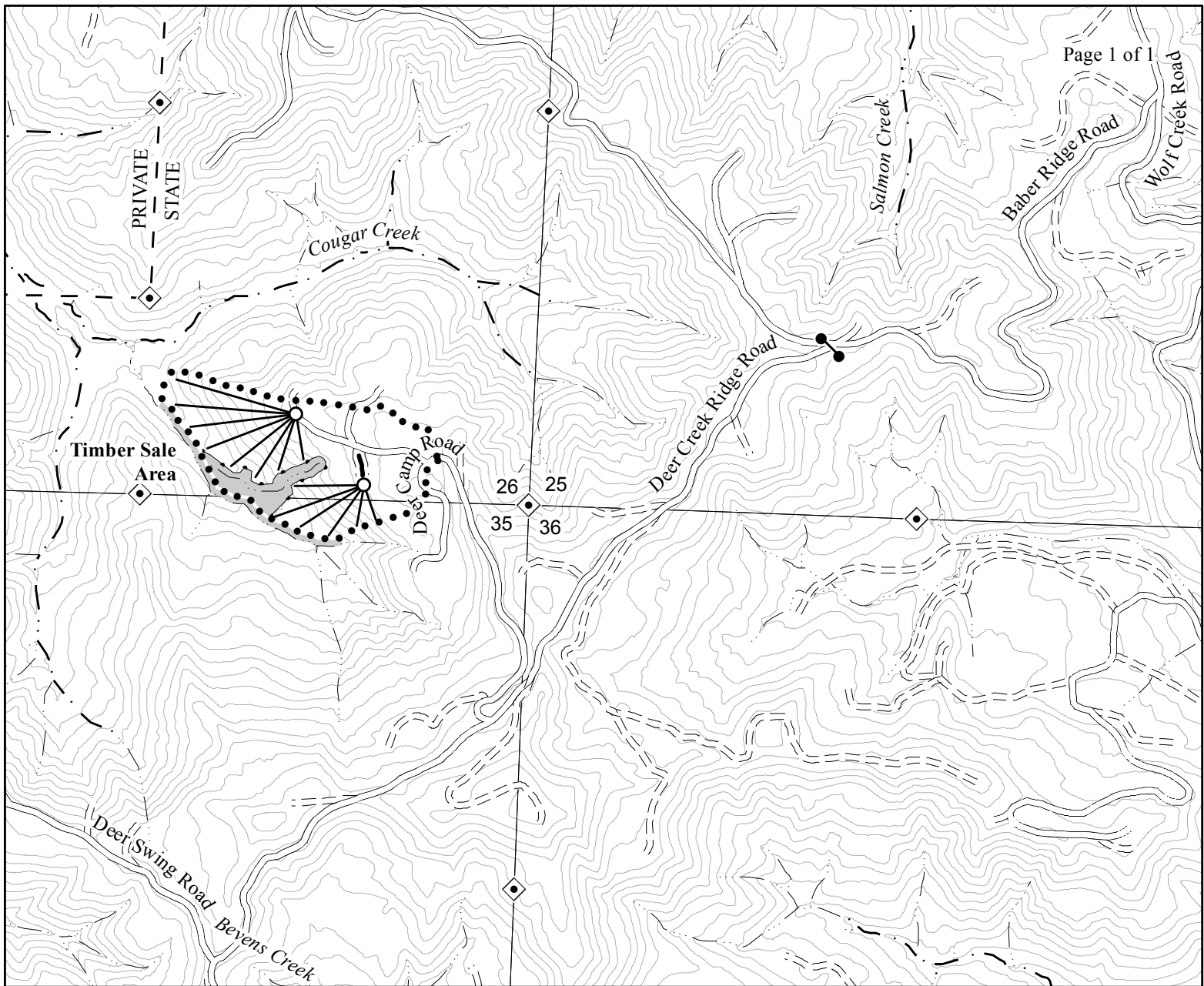
Note: Pit costs May 2016 Wild Rose - Conversion 1.35 ton/CY

TC PSTATS			PROJECT STATISTICS							PAGE	1	
			PROJECT		CAMPDEER			DATE		11/9/2017		
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt	
011 11	009 9	09 9	ALL ALL	TAKE TAKE		25.00		18	129	1	W	
			PLOTS		TREES	ESTIMATED TOTAL		PERCENT SAMPLE				
					PER PLOT	TREES		TREES				
TOTAL			18	129	7.2							
CRUISE			18	129	7.2	2,855		4.5				
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
DOUG FIR			118	110.1	20.1	80	53.9	241.6	56,978	56,426	12,436	12,436
R ALDER			11	4.1	21.5	53	2.2	10.4	962	962	310	310
TOTAL			129	114.2	20.1	79	56.2	252.0	57,940	57,387	12,745	12,745
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	
DOUG FIR			82.4	8.0		868	943	1,018				
R ALDER						384	384	384				
TOTAL			83.9	7.9		837	909	980	281	70	31	
CL	68.1		COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			72.3	7.0		183	197	211				
R ALDER						124	124	124				
TOTAL			71.7	6.7		179	192	205	205	51	23	
CL	68.1		COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			70.4	17.1		91	110	129				
R ALDER			349.9	84.8		1	4	8				
TOTAL			63.9	15.5		97	114	132	172	43	19	
CL	68.1		COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			47.9	11.6		214	242	270				
R ALDER			335.2	81.2		2	10	19				
TOTAL			40.4	9.8		227	252	277	69	17	8	
CL	68.1		COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			59.2	14.3		48,335	56,426	64,516				
R ALDER			330.5	80.1		191	962	1,732				
TOTAL			56.3	13.6		49,563	57,387	65,211	134	33	15	
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	
DOUG FIR			58.6	14.2		10,670	12,436	14,201				
R ALDER			329.7	79.9		62	310	557				
TOTAL			54.4	13.2		11,065	12,745	14,426	125	31	14	

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		11/9/2017	
T011 R009 S09 TyTAKE					4.00					Project					CAMPDEER					Time:		2:52:59PM			
T11 R9 S9 TyTAKE					21.00					Acres					25.00					Grown Year:					
S SpC	T	Tot			Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	T o t a l s												
		DBH	Sample Trees	FF 16'				Av Ht	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF									
DF		8	5	88	17	11.459	4.00	11.46	4.0	20.0		46	229		11	6									
DF		9	4	89	17	7.243	3.20	7.24	6.0	20.0		43	145		11	4									
DF		10	3	88	17	4.400	2.40	4.40	7.0	20.0		31	88		8	2									
DF		11	6	89	17	7.273	4.80	7.27	8.0	20.0		58	145		15	4									
DF		12	6	89	63	6.112	4.80	6.11	19.0	60.0		116	367		29	9									
DF		13	2	89	68	1.736	1.60	3.47	12.5	40.0		43	139		11	3									
DF		15	1	88	79	1.956	2.40	3.91	20.0	70.0		78	274		20	7									
DF		16	3	89	101	5.157	7.20	10.31	26.8	100.0		277	1,031		69	26									
DF		17	1	86	133	1.523	2.40	4.57	27.0	103.3		123	472		31	12									
DF		18	5	88	131	6.791	12.00	20.37	30.1	113.3		613	2,309		153	58									
DF		19	4	88	125	4.876	9.60	12.19	34.6	131.0		422	1,597		105	40									
DF		20	10	88	136	11.001	24.00	33.00	38.1	156.3		1,258	5,159		315	129									
DF		21	2	87	146	1.996	4.80	5.99	45.3	198.3		271	1,187		68	30									
DF		22	12	88	123	10.910	28.80	30.00	46.4	191.2		1,392	5,737		348	143									
DF		23	5	87	131	4.159	12.00	11.65	51.7	202.1		602	2,354		151	59									
DF		24	3	88	156	2.292	7.20	6.88	61.1	274.4		420	1,887		105	47									
DF		25	2	87	149	1.408	4.80	4.22	62.5	276.7		264	1,169		66	29									
DF		26	4	86	157	2.604	9.60	7.81	71.3	315.8		557	2,467		139	62									
DF		28	7	87	162	3.929	16.80	13.47	73.8	359.6		995	4,844		249	121									
DF		30	7	87	168	3.422	16.80	12.71	79.3	395.4		1,008	5,026		252	126									
DF		31	3	87	172	1.374	7.20	5.49	81.2	412.5		446	2,267		112	57									
DF		32	6	87	169	2.578	14.40	9.45	93.7	485.0		886	4,585		222	115									
DF		33	4	87	167	1.616	9.60	5.66	102.7	510.7		581	2,889		145	72									
DF		34	3	88	172	1.142	7.20	4.19	107.7	565.5		451	2,368		113	59									
DF		35	1	89	172	.359	2.40	1.44	107.5	597.5		154	859		39	21									
DF		36	5	87	170	1.698	12.00	6.11	119.6	632.2		731	3,864		183	97									
DF		40	2	86	165	.550	4.80	1.93	146.7	782.9		282	1,507		71	38									
DF		42	2	85	172	.499	4.80	1.75	163.6	837.1		286	1,462		71	37									
DF		Totals	118	88	99	110.061	241.60	253.06	49.1	223.0		12,436	56,426		3,109	1,411									
RA		17	1	86	57	.508	.80	1.02	21.5	65.0		22	66		5	2									
RA		19	4	86	58	1.625	3.20	3.25	28.0	90.0		91	293		23	7									
RA		22	1	86	57	.303	.80	.61	35.0	105.0		21	64		5	2									
RA		24	2	86	68	1.019	3.20	2.04	50.4	155.0		103	316		26	8									
RA		25	1	86	61	.235	.80	.47	48.0	125.0		23	59		6	1									
RA		26	2	87	67	.434	1.60	.87	58.0	190.0		50	165		13	4									
RA		Totals	11	86	61	4.123	10.40	8.25	37.5	116.6		310	962		77	24									
Totals			129	88	98	114.184	252.00	261.30	48.8	219.6		12,745	57,387		3,186	1,435									

TC PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																			
T011 R009 S09 TyTAKE4.00 T11 R9 S9 TyTAKE21.00				Project: CAMPDEER Acres 25.00												Page 1 Date 11/9/2017 Time 2:52:58PM					
Spp	S T	So rt	Gr ad	%	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
DF			CU														15	18		0.00	2.0
DF			2	75	1.2	43,327	42,810	1,070			39	61			2	98	40	16	449	2.32	95.4
DF			3	20	.3	11,089	11,052	276	0	64	28	9	1	3	13	83	37	9	127	0.91	87.0
DF			4	3		1,773	1,773	44		100			70	30			18	7	26	0.47	68.0
DF			PC	2		791	791	20			54	46	14			86	31	15	297	2.01	2.7
DF Totals				98	1.0	56,978	56,426	1,411	0	16	36	49	3	2	4	91	33	11	221	1.49	255.0
RA			CR	100		962	962	24	6	8	86		8		39	53	26	9	117	1.46	8.2
RA Totals				2		962	962	24	6	8	86		8		39	53	26	9	117	1.46	8.2
Totals					1.0	57,940	57,387	1,435	0	15	37	48	3	1	5	91	33	11	218	1.49	263.3

TC		PLOGSTVB		Log Stock Table - MBF															
T011 R009 S09 TyTAKE4.00 T11 R9 S9 TyTAKE21.00				Project: CAMPDEER Acres25.00				Page2 Date11/9/2017 Time2:52:58PM											
S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches												
							2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+	
RA		CR 17	0		0	1.6			0										
RA		CR 18	0		0	1.4		0											
RA		CR 32	9		9	39.4				2	8								
RA		CR 40	13		13	52.8					1	11							
RA		Totals	24		24	1.7		1	0	2	9	11							
Total		All Species	1,448		1,435	100.0		2	69	65	88	183	245	298	300	165	18		



LOGGING PLAN

Legend

Boundaries

- Timber Sale Boundary
- - - State Forest Property Boundary
- : - Right of Way (Posted)

Roads

- ===== Surfaced Road
- ==== Unsurfaced Road
- — New Construction

Streams

- — · Type F Stream
- Type N Stream
- Posted Stream Buffer
- Stream Buffer
- Cable Corridors
- ◆ Land Survey Monument
- Gates

OF TIMBER SALE CONTRACT NO. 341-18-095
 CAMPADEER
 PORTIONS OF SECTIONS 26 & 35, T11S, R9W, W.M.,
 LINCOLN COUNTY, OREGON

NET ACRES Cable = 15
 NET ACRES Tractor = 10

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



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