



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

---

**Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$392,127.28	\$0.00	\$392,127.28
		Project Work:	(\$16,094.36)
		Advertised Value:	\$376,032.92



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

### Timber Description

**Location:** Portions of Section 36, T32S, R9W, W.M., Douglas County, Oregon. (14 miles west of Glendale,)

**Stand Stocking:** 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	90
Sugar Pine	16	0	90

Volume by Grade	2S	3S	4S	5S	Total
Douglas - Fir	282	744	341	0	1,367
Sugar Pine	0	0	0	46	46
<b>Total</b>	282	744	341	46	1,413

**Comments:** Pond Values Used: 1st Quarter Calendar Year 2016 + Local Pond Values for Minor Species.

Sugar Pine and Other Pines Stumpage Price = Pond Value minus Logging Cost:  
\$100.22/MBF = \$465/MBF - \$364.78/MBF

Grand Fir and Other Conifers Stumpage Price = Pond Value minus Logging Cost:  
\$110/MBF = \$475/MBF - \$365/MBF

Incense Cedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:  
\$280/MBF = \$645/MBF - \$365/MBF

SCALING COST ALLOWANCE = \$5.00/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):  
None.

Other Costs (No Profit & Risk added):  
Sale is appraised for BLM road use fees of \$17,162.75 based on a haul of 1.1MMBF directly east from the sale. Note, purchaser will need to obtain permission for a westerly haul route (32-8-31.2) and need to pay additional fees if the sale runs over 1.1MMBF.  
TOTAL Other Costs (No Profit & Risk added) = \$17,162.75



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

---

**Logging Conditions**

<b>Combination#:</b> 1	Douglas - Fir	34.00%
	Sugar Pine	34.00%
<b>Logging System:</b>	Cable: Medium Tower >40 - <70	<b>Process:</b> Manual Delimbing
<b>yarding distance:</b>	Medium (800 ft)	<b>downhill yarding:</b> No
<b>tree size:</b>	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
<b>loads / day:</b>	8	<b>bd. ft / load:</b> 4000
<b>cost / mbf:</b>	\$190.62	
<b>machines:</b>	Log Loader (A) Tower Yarder (Medium)	
<hr/>		
<b>Combination#:</b> 2	Douglas - Fir	52.00%
	Sugar Pine	52.00%
<b>Logging System:</b>	Cable: Medium Tower >40 - <70	<b>Process:</b> Manual Delimbing
<b>yarding distance:</b>	Short (400 ft)	<b>downhill yarding:</b> No
<b>tree size:</b>	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF	
<b>loads / day:</b>	7	<b>bd. ft / load:</b> 3500
<b>cost / mbf:</b>	\$248.98	
<b>machines:</b>	Log Loader (A) Tower Yarder (Medium)	
<hr/>		
<b>Combination#:</b> 3	Douglas - Fir	14.00%
	Sugar Pine	14.00%
<b>Logging System:</b>	Cable: Medium Tower >40 - <70	<b>Process:</b> Manual Delimbing
<b>yarding distance:</b>	Short (400 ft)	<b>downhill yarding:</b> No
<b>tree size:</b>	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF	
<b>loads / day:</b>	7	<b>bd. ft / load:</b> 3700
<b>cost / mbf:</b>	\$235.52	
<b>machines:</b>	Log Loader (A) Tower Yarder (Medium)	



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

### Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$16,094.36	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$17,162.75

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
6.0	0.0	0.0	0.0

### Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.0
Sugar Pine	\$0.00	3.0	3.5



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

### Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Douglas - Fir</b>									
\$227.25	\$3.96	\$3.10	\$71.50	\$0.00	\$30.58	\$0.00	\$5.00	\$12.15	\$353.54
<b>Sugar Pine</b>									
\$227.25	\$3.96	\$3.10	\$81.72	\$0.00	\$31.60	\$0.00	\$5.00	\$12.15	\$364.78

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$637.02	\$283.48	\$0.00
Sugar Pine	\$0.00	\$465.00	\$100.22	\$0.00



Timber Sale Appraisal  
Trapper's Cabin No. 7  
Sale GP-341-2017-40-

District: Southwest

Date: June 14, 2016

---

**Summary**

**Amortized**

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

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	1,367	\$283.48	\$387,517.16
Sugar Pine	46	\$100.22	\$4,610.12

**Gross Timber Sale Value**

**Recovery:** \$392,127.28

**Prepared By:** Chris Rudd

**Phone:** 541-474-3152

## Project Cost Worksheet

	581.87	100	5.8187	2909.35	
	897.84	100	8.9784	4489.2	
	<u>ft/mi.</u>	<u>Distance ft'</u>	<u>\$/Mi.</u>		
A-B	5,280	5,116	\$800	\$775.15	Light brushing, from blowdown
B-C	5,280	8,831	\$300	\$501.75	Light blading and grading
C-D	5,280	2,220	\$500	\$210.24	Reshape and grade
					reshape and grade, used \$500 a mile to account for reshape
D-E	5,280	813	\$800	\$123.23	Light brushing
E-F	5,280	1,581	\$1,400	\$419.30	Heavy brushing
B-G	5,280	663	\$1,400	\$175.77	Heavy brushing
G-J	5,280	7,150	\$400	\$541.68	Blading used 400 a mile instead of 300

### Current Costs - Salem Engineer

<55% \$500 a station for road building  
 Road Improvements and light brushing = 800.00/mile  
 Light blading and Grading = 300.00/mile  
 Heavy Blading = \$1,400.00 /mile  
 reshape = \$150 to \$200 a station using a Cat and grader

**For comparison:** Equipment Allowances (from manual 2000) move in costs assumes a 50 mile one way trip, adjust costs on ex.15  
 graders - all sizes \$241.00 and moved w/in project area is \$7.05/mile  
 tractors -D5-7 \$387.00 and moved w/in project area is \$18.47/mile  
 D8 - \$533.00 and moved w/in project area is \$25.53

### Mobilization for rockpit 2015:

Grader = \$600.00 fixed rental cost = \$95.00/hr  
 Rate per day = \$1,140.00

2015 sales for Buck Ridge and Tunnel West had mobilization costs = \$3,000.00 each

### Trappers Cabin mobilization costs for a grader, Cat, and lowboy:

Grader = \$600.00  
 Cat and lowbay = \$138/hr 5hrs from Medford to Trappers = \$690.00  
 a standard grader and D5 would \$100.00/hr to move with a lowboy  
 D8 would be \$138/hr plus a pilot and permits

## TIMBER SALE SUMMARY

Trapper Cabin No.7

Contract No. 341-17-40

1. **Type of Sale:** Recovery sale, sealed bid auction of 81 acres of thinning and 42 acres of clearcut.
2. **Revenue Distribution:** 100% CSL, Douglas County
3. **Sale Acreage:** For the sale, 123 net acres were used for the cruise expansion. Area I-IV are 42, 64, 0, 17 net acres. The ROW volume was within the thinning in Area IV and is less than a half-acre. Acreage was determined with ArcGIS 10.1 and GPS control points.
4. **Volume:** The sale is sold as a scaled sale on a recovery basis. All timber in Area I except boundary and wildlife trees and those reserved for down wood and snags are to be removed. In Area II, the Purchaser will select trees to be removed "from below" leaving 110 square feet of the biggest and best trees. In Area IV, all take trees are marked with blue paint. Area III is reserved for a riparian area and green tree retention. The total sale volume is estimated to be 1,413 MBF, (21% 2S, 54% 3S, and 25% 4S). An incidental amount of Sugar Pine will be removed from the sale.

SPECIES	2 SAW	3 SAW	4 SAW	5 SAW	NET VOL (MBF)
Douglas-fir	282	744	341		1,367
Sugar Pine				46	46
<b>Total</b>	<b>282</b>	<b>744</b>	<b>341</b>	<b>46</b>	<b>1,413</b>

5. **Cruise Data:** The total volume above is measured to 9.0% sampling error, meaning the actual volume will fall between 1,285.83 and 1,540.17 MBF (68% of the time). The volume of individual species will be more variable due to the smaller sample compared to the total volume sample. See the cruise report for more detail.
6. **Timber Description:** Area I, the clearcut, is tight grained, 101 year-old timber with an average DBH of 15". (This includes non-merch trees, so the actual DBH is larger.) The timber in the thinning units have been marked to remove the smaller trees in suppressed and intermediate canopy positions, and to release dominant and codominant trees. Some dominant trees have been marked for harvest where. The stand age of Area II is 77 and Area IV is 84 years. In Area II, the DBH is 14" and in Area IV the DBH is 13". The cruise report gives a breakdown of log lengths and scaling diameters by species for the individual Areas.
7. **Topography and Logging Method:** Area I averages 50-60% slope, Area II, about 45% slope, and Area IV, about 50% slope. The sale has been appraised at 84% cable logging with a medium tower. The longest corridor would be approximately 1,200 feet, with an average of about 800 feet in Area I and IV, and about 500' in Area II. The sale has roads to the top of each unit and Area II has a road at the top and middle. The logging plan Exhibit shows cable logging to existing roads. There is a chance to ground log in area IV, above the landing at point I off the new road construction.
8. **Access:** A license agreement with the Bureau of Land Management (341.37420) must be



signed by the Purchaser requiring maintenance of the existing cross section of dirt or graveled roads by blading or shaping surface and shoulder, removal of bank slough, minor slides and timber, preventive maintenance, patching of rock as needed and brushing for visual safety. The cost of this License agreement is about \$13 per MBF, or \$18,925.50 for 1.1 MMBF.

**9. Projects:**

Project 1: Road improvement, Brushing, Grading, and Reshape: \$8,638.36

Project 2: New Road Construction: \$3,456.00

Project 3: Mobilization: \$4,000.00

Total Project Costs: \$16,094.36

**10. Road Maintenance:** The appraisal includes \$3.96/MBF for road maintenance (grading, pulling ditches, etc.).

**11. Other Costs:** The appraisal includes \$5/MBF for Scaling and \$3.10/MBF for fire protection. Costs not accounted for in the appraisal are the responsibility of the Purchaser.

**12. Slash Disposal:** Purchaser will pile slash on landings with an excavator or log loader, sorting out firewood into a separate pile. ODF will burn the slash piles.

**Trappers Cabin No.7**  
**Volume by Area and Total Sale Volume**

CRUISED VOLUME BF/Acre (Net Volume After Field Cull)								Net Volume per Acre	
		3P	SM	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	
Area I	Douglas-fir			6,824	12,724	5,992			25,540
	Sugar Pine						720		720
Area II	Douglas-fir			311	2,651	816			3,778
	Sugar Pine						234		234
Area III	GTR Only			0	0	0	0		0
Area IV	Douglas-fir				6185	3,926			10,111
	Sugar Pine						267		267

CRUISED VOLUME (Volume by Grade Board Feet)									
*Volume Reduced for Hidden Cull and Breakage									
	3P	SM	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	*Volume Reduction	Acres Total Volume
Area I	Douglas-fir		263,679	491,655	231,531			8%	42 986,866
	Sugar Pine					27,821		8%	42 27,821
			263,679	491,655	231,531	27,821			42 1,014,686
Area II	Douglas-fir		18,312	156,091	48,046			8%	64 222,449
	Sugar Pine					13,778		8%	64 13,778
			18,312	156,091	48,046	13,778			64 236,227
Area III	GTR Only		0	0	0	0			0
Area IV	Douglas-fir			96,733	61,403	0		8%	17 158,136
	Sugar Pine					4,176		8%	17 4,176
				96,733	61,403	4,176			17 162,312
Total by Grade			281,991	744,480	340,980	45,775			123 1,413,225

TOTAL SALE VOLUME by Species (Board Feet)								Total Volume
	3P	SM	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	
Douglas-fir			281,991	744,480	340,980			1,367,450
Sugar Pine			0	0	0	45,775		45,775
Sale Volume			281,991	744,480	340,980	45,775		1,413,225

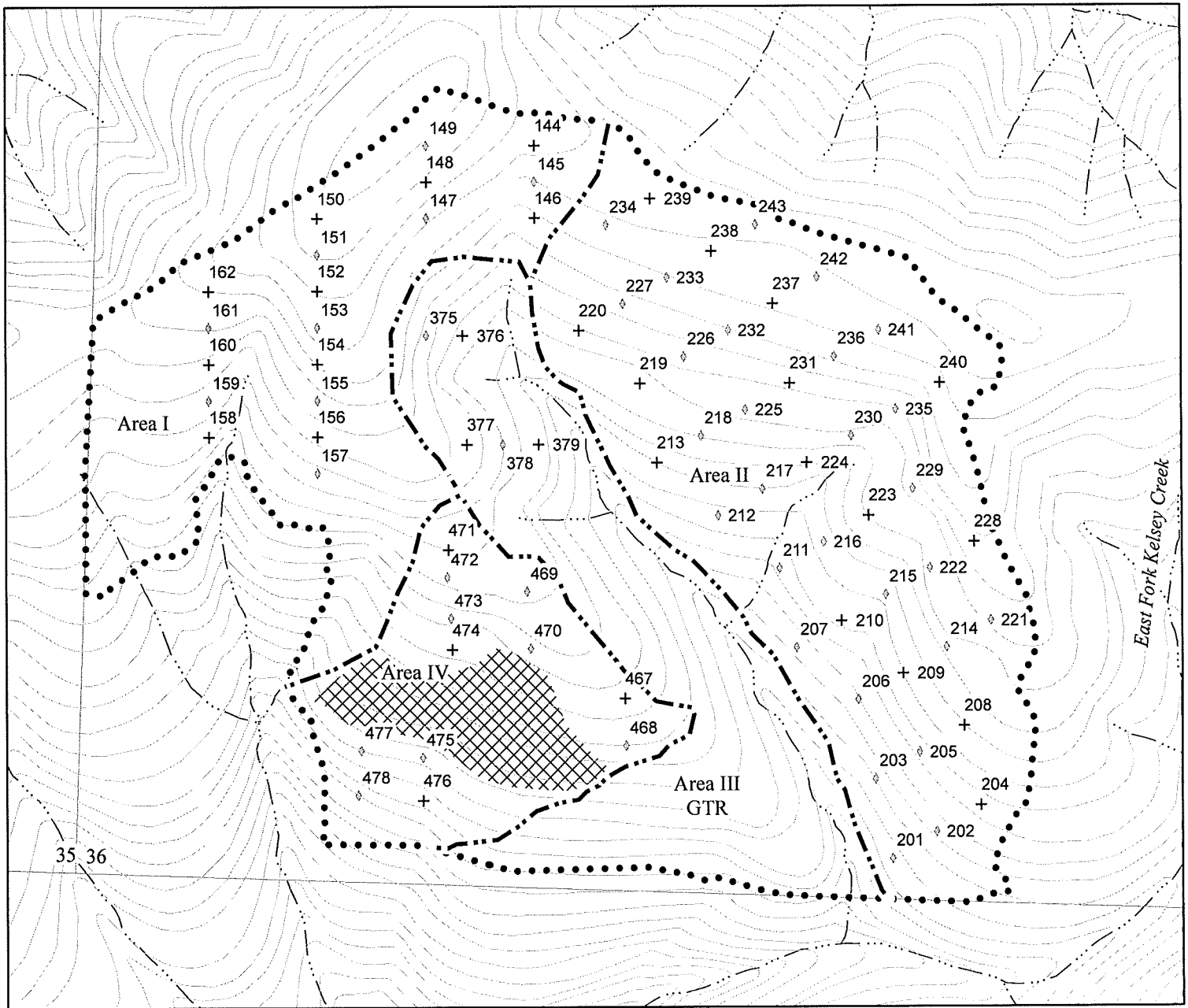
VOLUME PERCENTAGE by Grade								Adjusted Sale Volume
	3P	SM	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	
Douglas-fir			20.0%	52.7%	24.1%	0.0%		96.8%
Sugar Pine						3.2%		3.2%

1. **Acreage Calculation:** There are 119 net cruise acres in the sale area determined by a combination of GPS traverse waypoints and ArcGIS 10.1 software. Net acres do not include the riparian management areas or non-stocked areas which were not cruised.
2. **Cruise Method:** Trappers Cabin No.7 was cruised by ODF during the spring and summer of 2015. A variable plot cruise was conducted on 4 harvest areas each of which were treated as individual strata.
3. **RIGHT of WAY VOLUMES:** In this case the Right-of-Way volume within Area IV was not expanded. The ROW volume is for a 581 foot road, or less than a half-acre, so the ROW timber was not expanded.
4. **Sampling Intensity:** # Plots; 73 Total Plots (29 measured, 44 counted)  
CV (BDFT): 75%  
SE (BDFT): 10%

As per ODF standards, total harvest volume of conifers ("take" trees) is estimated to be 1,413 MBF  $\pm$  127 MBF at the 68% confidence level and a sampling error of 9.0%. 68.1 times out of 100 the volume estimate will be within range of error specified.
5. **Computation Procedures:** Volume was computed using the SuperACE cruise program. Volumes reported are based on the Scribner Log Rule (West).
6. **Form Factors:** Form factors (a ratio of diameter at 4 and 16 feet) were sampled across the diameter distribution in all strata. Those form factors which were not measured were estimated by SuperACE.
7. **Height Standards:** Most conifer trees were measured for total height with a laser rangefinder.
8. **Diameter standards:** Diameters were measured outside bark at breast height to the nearest inch.
9. **Grading System:** Trees were graded primarily as 34 foot segments lengths and according to the Official Log Scaling and Grading Rules published by the Northwest Log Rules Advisory Group.
10. **Merchantable top:** Conifers were graded to a merchantable top specified by the official log scaling rules. For all species except pine, 2S segments were graded to a 12" top inside bark, 3S to a 6" top, and 4S to a 5" top (inside bark). Pine 4S logs were graded to a 12" top inside bark, 5S to a 6" top, and 6S to a 5" top (inside bark).
11. **Deductions for Cull, Defect and Breakage:** All visible field cull was removed in the cruise computation. Additional volume was deducted for the anticipated amount of hidden cull and breakage during logging. The estimated volume reduction used for this anticipated loss to volume was 8%.
12. **Cruisers:** Cruising was performed by Joanna Delegan.

  
Chris Rudd, Unit Forester

4/26/16  
Date



## Cruise Map

### Legend

- + Measure Plot
- ♦ Count Plot
- Trappers cabin No. 7
- Area Boundary (Posted)
- Streams**
- Type N Stream
- Contour Lines
- Hardwood Exclusion

OF TIMBER SALE CONTRACT NO. 341-17-40  
 TRAPPERS CABIN NO. 7  
 PORTIONS OF SECTIONS 36, T32S, R9W, W.M.,  
 DOUGLAS COUNTY, OREGON

500 0 500 1,000  
 Feet

Scale: 1:6,000

AREA GROSS NET  
 ACRES ACRES

1 (CC)	42	42
2 (PC)	64	64
3 (GTR)	35	0
4 (PC)	24	17

TOTAL 165 123



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.

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT	TRAPPERS			DATE	4/27/2016		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
32S	R9W	36	AREA1	1000	42.00	19	156	S	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
PLOTS		TREES									
TOTAL		19	156	8.2							
CRUISE		10	74	7.4		11,611		.6			
DBH COUNT											
REFOREST											
COUNT		9	82	9.1							
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR-L		6	74.3	4.7	20	4.1	8.8	161	161	49	49
DOUG FIR-T		54	156.4	14.5	65	47.2	179.8	25,759	25,540	5,549	5,549
SUG.PINE-L		1	1.6	22.2	57	0.9	4.4				
SUG.PINE-T		3	3.1	26.4	81	2.3	11.7	720	720	171	171
CHINQUAP-L		1	6.3	6.5	24	0.6	1.5	63	63	13	13
CHINQUAP-T		7	27.0	9.5	45	4.3	13.2	764	764	236	236
MADRONE-T		2	7.7	11.9	47	1.7	6.0	251	251	167	167
TOTAL		74	276.5	12.2	49	64.4	225.3	27,720	27,501	6,184	6,184
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-L		159.5	71.0	2	8	14					
DOUG FIR-T		132.7	18.0	367	448	529					
SUG.PINE-L											
SUG.PINE-T		91.7	63.4	91	250	409					
CHINQUAP-L											
CHINQUAP-T		13.2	5.4	27	29	30					
MADRONE-T		20.2	18.9	28	35	42					
TOTAL		157.9	18.3	279	341	404	996	249	111		
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-L		156.9	69.9	1	3	4					
DOUG FIR-T		116.6	15.8	76	91	105					
SUG.PINE-L											
SUG.PINE-T		89.9	62.2	22	59	96					
CHINQUAP-L											
CHINQUAP-T		26.5	10.8	8	9	10					
MADRONE-T		.8	.7	21	22	22					
TOTAL		138.3	16.1	59	70	81	764	191	85		
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-L		380.0	89.5	8	74	141					
DOUG FIR-T		64.1	15.1	133	156	180					
SUG.PINE-L		317.6	74.8	0	2	3					
SUG.PINE-T		228.6	53.9	1	3	5					
CHINQUAP-L		435.9	102.7		6	13					
CHINQUAP-T		245.9	57.9	11	27	43					
MADRONE-T		317.6	74.8	2	8	14					
TOTAL		96.6	22.7	214	276	339	393	98	44		
CL: 68.1 %		COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.		
SD: 1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		

TC TSTATS				<b>STATISTICS</b>				PAGE	2
				<b>PROJECT</b>		<b>TRAPPERS</b>		DATE	4/27/2016
<b>TWP</b>	<b>RGE</b>	<b>SECT</b>	<b>TRACT</b>	<b>TYPE</b>	<b>ACRES</b>	<b>PLOTS</b>	<b>TREES</b>	<b>CuFt</b>	<b>BdFt</b>
<b>32S</b>	<b>R9W</b>	<b>36</b>	<b>AREA1</b>	<b>1000</b>	<b>42.00</b>	<b>19</b>	<b>156</b>	<b>S</b>	<b>W</b>
CL: 68.1 %				<b>BASAL AREA/ACRE</b>			<b># OF PLOTS REQ.</b>		<b>INF. POP.</b>
SD: 1.0				COEFF	VAR.	S.E.%	LOW	AVG	HIGH
							5	10	15
DOUG FIR-L				259.7	61.2	3	9	14	
DOUG FIR-T				52.4	12.3	158	180	202	
SUG.PINE-L				317.6	74.8	1	4	8	
SUG.PINE-T				228.3	53.8	5	12	18	
CHINQUAP-L				435.9	102.7		1	3	
CHINQUAP-T				247.5	58.3	5	13	21	
MADRONE-T				317.6	74.8	2	6	10	
<b>TOTAL</b>				<b>35.3</b>	<b>8.3</b>	<b>207</b>	<b>225</b>	<b>244</b>	
							<b>53</b>	<b>13</b>	<b>6</b>
CL: 68.1 %				<b>NET BF/ACRE</b>			<b># OF PLOTS REQ.</b>		<b>INF. POP.</b>
SD: 1.0				COEFF	VAR.%	S.E.%	LOW	AVG	HIGH
							5	10	15
DOUG FIR-L				435.9	102.7		161	327	
DOUG FIR-T				52.0	12.3	22,411	25,540	28,669	
SUG.PINE-L									
SUG.PINE-T				238.4	56.2	316	720	1,125	
CHINQUAP-L				435.9	102.7		63	129	
CHINQUAP-T				245.1	57.7	323	764	1,205	
MADRONE-T				317.6	74.8	63	251	439	
<b>TOTAL</b>				<b>44.1</b>	<b>10.4</b>	<b>24,642</b>	<b>27,501</b>	<b>30,359</b>	
							<b>82</b>	<b>21</b>	<b>9</b>
CL: 68.1 %				<b>NET CUFT FT/ACRE</b>			<b># OF PLOTS REQ.</b>		<b>INF. POP.</b>
SD: 1.0				COEFF	VAR.%	S.E.%	LOW	AVG	HIGH
							5	10	15
DOUG FIR-L				435.9	102.7		49	100	
DOUG FIR-T				52.5	12.4	4,862	5,549	6,236	
SUG.PINE-L									
SUG.PINE-T				238.4	56.2	75	171	267	
CHINQUAP-L				435.9	102.7		13	26	
CHINQUAP-T				246.0	58.0	99	236	372	
MADRONE-T				317.6	74.8	42	167	291	
<b>TOTAL</b>				<b>42.5</b>	<b>10.0</b>	<b>5,565</b>	<b>6,184</b>	<b>6,803</b>	
							<b>76</b>	<b>19</b>	<b>8</b>

Species, Sort Grade - Board Foot Volumes (Type)														Page 1							
Project: TRAPPERS														Date 4/27/2016							
														Time 11:30:48AM							
T32S RR9W S36 T1000														T32S RR9W S36 T1000							
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
32S	R9W	36	AREA1	1000	42.00	19	74	S	W												
Spp	So	Gr	ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log		Logs Per /Acre		
									Log Scale Dia.				Log Length				Ln	Dia		Bd	CF/ Ft Lf
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft		
DF	T	DO	2M	26	.5	6,862	6,824	287				30	70		100		34	18	482	2.55	14.2
DF	T	DO	3M	50	.8	12,821	12,724	534	0	40	34	26		3	97		33	11	177	1.17	71.9
DF	T	DO	4M	24	1.4	6,077	5,992	252	48	42	6	4	22	18	58	1	25	6	38	0.39	159.2
DF	T	Totals		93	.8	25,759	25,540	1,073	11	30	26	33	5	6	89	0	28	8	104	0.82	245.2
DF	L	DO	4M	100		161	161	7	100					100			27	5	25	0.29	6.4
DF	L	Totals		1		161	161	7	100					100			27	5	25	0.29	6.4
SP	T	DO	1S	100		720	720	30			48	52			100		34	16	363	2.54	2.0
SP	T	Totals		3		720	720	30			48	52			100		34	16	363	2.54	2.0
CQ	T	DO	4M	100		764	764	32	100					60	40		27	5	28	0.32	27.0
CQ	T	Totals		3		764	764	32	100					60	40		27	5	28	0.32	27.0
CQ	L	DO	4M	100		63	63	3	100					100			12	5	10	0.17	6.3
CQ	L	Totals		0		63	63	3	100					100			12	5	10	0.17	6.3
MA	T	DO	4M	100		251	251	11	100					70	30		30	5	32	0.72	7.7
MA	T	Totals		1		251	251	11	100					70	30		30	5	32	0.72	7.7
Type Totals					.8	27,720	27,501	1,155	15	28	26	32	5	8	86	1	27	8	93	0.77	294.7

**Log Stock Table - MBF**  
**Project: TRAPPERS**

T32S RR9W S36 T1000

T32S RR9W S36 T1000

Twp  
32SRge  
R9WSec  
36Tract  
AREA1Type  
1000Acres  
42.00Plots  
19Sample Trees  
74
 Page 1  
 Date 4/27/2016  
 Time 11:30:49AM

Spp	S	So	Gr	Log	T	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+
DF	L	DO	4M	23		3		3	.2		3										
DF	L	DO	4M	30		4		4	.4		4										
DF	T	DO	2M	34		288	.5	287	26.6						51	86	83	45	22		
DF	T	DO	3M	22		4		4	.3				4								
DF	T	DO	3M	23		1		1	.1		1										
DF	T	DO	3M	24		4		4	.4				4								
DF	T	DO	3M	26		1		1	.1		1										
DF	T	DO	3M	29		6		6	.5							6					
DF	T	DO	3M	30		0		0	.0		0										
DF	T	DO	3M	34		523	.8	519	48.0			23	38	146	106	41	91	40	15	19	
DF	T	DO	4M	13		1		1	.1		1										
DF	T	DO	4M	14		2		2	.2		2										
DF	T	DO	4M	15		29		29	2.7		29										
DF	T	DO	4M	16		10		10	1.0		10										
DF	T	DO	4M	17		1	50.0	1	.1		1										
DF	T	DO	4M	18		1		1	.1		1										
DF	T	DO	4M	20		11		11	1.1		2		9								
DF	T	DO	4M	21		8		8	.7		4		4								
DF	T	DO	4M	22		7		7	.6		3		4								
DF	T	DO	4M	23		1		1	.1		1										
DF	T	DO	4M	24		10		10	1.0		4			7							
DF	T	DO	4M	26		5		5	.5		1				4						
DF	T	DO	4M	27		8		8	.7		8										
DF	T	DO	4M	28		4		4	.4		4										
DF	T	DO	4M	29		3		3	.3		3										
DF	T	DO	4M	31		4		4	.3		4										
DF	T	DO	4M	32		3		3	.3		3										
DF	T	DO	4M	33		14	20.8	11	1.0		11										
DF	T	DO	4M	34		129		129	11.9		25	60	22			11		11			
DF	T	DO	4M	37		2		2	.2		2										
DF	T	DO	4M	38		1		1	.1		1										
DF	Totals					1,089		1,079	93.5		130	83	76	160	110	102	182	134	60	42	
SP	T	DO	1S	34		30		30	100.0							14	16				
SP	Totals					30		30	2.6							14	16				
CQ	L	DO	4M	12		3		3	7.7		3										
CQ	T	DO	4M	21		4		4	11.0		4										
CQ	T	DO	4M	26		5		5	13.3		5										
CQ	T	DO	4M	27		11		11	30.9		11										
CQ	T	DO	4M	31		13		13	37.2		13										
CQ	Totals					35		35	3.0		35										
MA	T	DO	4M	28		7		7	70.0		7										
MA	T	DO	4M	36		3		3	30.0		3										
MA	Totals					11		11	.9		11										
Total All Species						1,164		1,155	100.0		175	83	76	160	110	117	198	134	60	42	



TC TSTATS				STATISTICS				PAGE	1																								
				PROJECT	TRAPPERS		DATE	4/27/2016																									
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt																								
32S	R9W	36	AREA2	2000	64.00	43	240	S	W																								
				TREES	ESTIMATED	PERCENT																											
				PER PLOT	TOTAL	SAMPLE																											
					TREES	TREES																											
PLOTS		TREES																															
TOTAL	43	240	5.6																														
CRUISE	14	95	6.8	20,745	.5																												
DBH COUNT																																	
REFOREST																																	
COUNT	26	145	5.6																														
BLANKS	3																																
100 %																																	
<b>STAND SUMMARY</b>																																	
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET																							
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC																							
DOUG FIR-L		34	75.4	13.7	68	20.7	76.6	8,267	8,111	1,963	1,963																						
DOUG FIR-T		18	41.8	14.2	73	12.2	46.1	3,916	3,778	999	999																						
SUG.PINE-L		9	13.7	17.7	54	5.6	23.4	669	643	177	177																						
SUG.PINE-T		2	4.2	16.6	68	1.5	6.3	234	234	64	64																						
CHINQUAP-L		24	145.4	5.8	30	11.0	26.6	1,133	1,133	326	326																						
MADRONE-L		6	11.4	8.7	43	1.6	4.7	219	219	61	61																						
CLO-L		2	32.3	4.7	26	1.8	3.9																										
<b>TOTAL</b>		<b>95</b>	<b>324.1</b>	<b>10.3</b>	<b>46</b>	<b>58.4</b>	<b>187.6</b>	<b>14,438</b>	<b>14,118</b>	<b>3,589</b>	<b>3,589</b>																						
CONFIDENCE LIMITS OF THE SAMPLE																																	
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR																																	
CL: 68.1 %	COEFF	<b>SAMPLE TREES - BF</b>				# OF TREES REQ.		INF. POP.																									
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																									
DOUG FIR-L	143.7	24.6	257	341	424																												
DOUG FIR-T	88.9	21.5	114	146	177																												
SUG.PINE-L	183.3	64.7	42	118	194																												
SUG.PINE-T	141.4	132.4		40	93																												
CHINQUAP-L	89.1	18.6	18	23	27																												
MADRONE-L	63.2	28.2	14	20	26																												
CLO-L																																	
<b>TOTAL</b>	<b>197.0</b>	<b>20.2</b>	<b>134</b>	<b>168</b>	<b>202</b>	<b>1,550</b>	<b>388</b>	<b>172</b>																									
CL: 68.1 %	COEFF	<b>SAMPLE TREES - CF</b>				# OF TREES REQ.		INF. POP.																									
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																									
DOUG FIR-L	116.6	20.0	60	75	91																												
DOUG FIR-T	83.1	20.1	31	38	46																												
SUG.PINE-L	179.9	63.5	12	32	52																												
SUG.PINE-T	141.4	132.4		11	25																												
CHINQUAP-L	102.7	21.4	6	7	9																												
MADRONE-L	90.8	40.4	4	6	9																												
CLO-L																																	
<b>TOTAL</b>	<b>160.6</b>	<b>16.5</b>	<b>33</b>	<b>40</b>	<b>46</b>	<b>1,030</b>	<b>257</b>	<b>114</b>																									
CL: 68.1 %	COEFF	<b>TREES/ACRE</b>				# OF PLOTS REQ.		INF. POP.																									
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																									
DOUG FIR-L	133.5	20.3	60	75	91																												
DOUG FIR-T	122.3	18.6	34	42	50																												
SUG.PINE-L	144.3	22.0	11	14	17																												
SUG.PINE-T	246.5	37.6	3	4	6																												
CHINQUAP-L	309.2	47.1	77	145	214																												
MADRONE-L	468.9	71.4	3	11	20																												
CLO-L	385.0	58.7	13	32	51																												
<b>TOTAL</b>	<b>153.9</b>	<b>23.4</b>	<b>248</b>	<b>324</b>	<b>400</b>	<b>946</b>	<b>236</b>	<b>105</b>																									
CL: 68.1 %	COEFF	<b>BASAL AREA/ACRE</b>				# OF PLOTS REQ.		INF. POP.																									
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																									

TC TSTATS				<b>STATISTICS</b>				PAGE	2
				<b>PROJECT TRAPPERS</b>				DATE	4/27/2016
<b>TWP</b>	<b>RGE</b>	<b>SECT</b>	<b>TRACT</b>	<b>TYPE</b>	<b>ACRES</b>	<b>PLOTS</b>	<b>TREES</b>	<b>CuFt</b>	<b>BdFt</b>
<b>32S</b>	<b>R9W</b>	<b>36</b>	<b>AREA2</b>	<b>2000</b>	<b>64.00</b>	<b>43</b>	<b>240</b>	<b>S</b>	<b>W</b>
CL: 68.1 %	COEFF	<b>BASAL AREA/ACRE</b>				# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	73.1	11.1	68	77	85				
DOUG FIR-T	107.9	16.4	39	46	54				
SUG.PINE-L	127.2	19.4	19	23	28				
SUG.PINE-T	242.0	36.9	4	6	9				
CHINQUAP-L	218.3	33.3	18	27	35				
MADRONE-L	484.1	73.8	1	5	8				
CLO-L	385.0	58.7	2	4	6				
<b>TOTAL</b>	<b>55.6</b>	<b>8.5</b>	<b>172</b>	<b>188</b>	<b>203</b>	<b>123</b>	<b>31</b>	<b>14</b>	
CL: 68.1 %	COEFF	<b>NET BF/ACRE</b>				# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	73.1	11.1	7,207	8,111	9,015				
DOUG FIR-T	108.2	16.5	3,155	3,778	4,401				
SUG.PINE-L	154.9	23.6	491	643	795				
SUG.PINE-T	268.9	41.0	138	234	330				
CHINQUAP-L	244.0	37.2	712	1,133	1,554				
MADRONE-L	466.0	71.0	63	219	374				
CLO-L									
<b>TOTAL</b>	<b>59.5</b>	<b>9.1</b>	<b>12,837</b>	<b>14,118</b>	<b>15,398</b>	<b>141</b>	<b>35</b>	<b>16</b>	
CL: 68.1 %	COEFF	<b>NET CUFT FT/ACRE</b>				# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	72.4	11.0	1,747	1,963	2,180				
DOUG FIR-T	111.3	17.0	829	999	1,168				
SUG.PINE-L	155.0	23.6	135	177	218				
SUG.PINE-T	268.9	41.0	38	64	90				
CHINQUAP-L	251.9	38.4	201	326	451				
MADRONE-L	477.7	72.8	17	61	106				
CLO-L									
<b>TOTAL</b>	<b>60.1</b>	<b>9.2</b>	<b>3,261</b>	<b>3,589</b>	<b>3,918</b>	<b>144</b>	<b>36</b>	<b>16</b>	

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page		1					
				Project: TRAPPERS												Date		4/27/2016					
																Time		11:55:53AM					
T32S RR9W S36 T2000												T32S RR9W S36 T2000											
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt					
32S		R9W		36		AREA2		2000		64.00		43		95		S		W					
				%																			
				Net				Total	Percent Net Board Foot Volume								Average Log				Logs		
				BdFt				Net MBF	Log Scale Dia.				Log Length				Ln Dia Bd CF/				Per		
Spp				T	rt	ad	Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF	L	DO	2M	33			2,710	2,710	173				38	62			100		34	17	442	2.50	6.1
DF	L	DO	3M	54	2.2		4,490	4,390	281	0	44	43	13			1	99		34	11	149	1.09	29.4
DF	L	DO	4M	13	5.3		1,067	1,011	65	64	29	7			13	29	49	9	27	6	35	0.46	29.0
DF	L	Totals		57	1.9		8,267	8,111	519	8	27	37	28		2	4	93	1	31	9	126	0.99	64.5
DF	T	DO	2M	8			311	311	20				100				100		34	15	300	1.70	1.0
DF	T	DO	3M	70	4.6		2,779	2,651	170		55	45					100		34	10	133	1.02	19.9
DF	T	DO	4M	22	1.2		826	816	52	50	50				1	28	58	12	31	6	42	0.42	19.4
DF	T	Totals		27	3.5		3,916	3,778	242	11	49	40			0	6	91	3	32	8	94	0.76	40.3
SP	L	DO	1S	100	4.0		669	643	41	10	27	30	32			68	32		29	10	134	1.28	4.8
SP	L	Totals		5	4.0		669	643	41	10	27	30	32			68	32		29	10	134	1.28	4.8
SP	T	DO	1S	100			234	234	15	38	62					100			23	7	40	0.48	5.8
SP	T	Totals		2			234	234	15	38	62					100			23	7	40	0.48	5.8
CQ	L	DO	4M	100			1,133	1,133	73	90	10				41	10	35	15	23	5	25	0.31	45.7
CQ	L	Totals		8			1,133	1,133	73	90	10				41	10	35	15	23	5	25	0.31	45.7
MA	L	DO	4M	100			219	219	14	100					61	20		18	22	5	22	0.28	10.0
MA	L	Totals		2			219	219	14	100					61	20		18	22	5	22	0.28	10.0
Type Totals					2.2		14,438	14,118	904	17	32	33	18		5	10	82	3	28	8	83	0.75	171.1

TC TLOGSTVB				Log Stock Table - MBF																
				Project: TRAPPERS																
T32S RR9W S36 T2000										T32S RR9W S36 T2000										
Tw	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
32S	R9W	36	AREA2	2000	64.00	43	95	Date	4/27/2016											
										Time	11:55:54AM									
S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches												
Spp	T	rt	de	Len	MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	L	DO	2M	34	173		173	22.8							31	87	12	23	21	
DF	L	DO	3M	22	3		3	.4		0					3					
DF	L	DO	3M	34	284	2.2	278	36.5			12	41	71	87	30	29	9			
DF	L	DO	4M	16	4		4	.5		4										
DF	L	DO	4M	17	2		2	.2		2										
DF	L	DO	4M	18	1		1	.1		1										
DF	L	DO	4M	19	2		2	.2		2										
DF	L	DO	4M	21	5		5	.6						5						
DF	L	DO	4M	22	4		4	.5		4										
DF	L	DO	4M	23	4		4	.5		4										
DF	L	DO	4M	29	4		4	.6		4										
DF	L	DO	4M	30	2		2	.3		2										
DF	L	DO	4M	33	3		3	.4		3										
DF	L	DO	4M	34	32	11.3	28	3.7		10	5	13								
DF	L	DO	4M	36	3		3	.3		3										
DF	L	DO	4M	38	3		3	.4		3										
DF	T	DO	2M	34	20		20	2.6							20					
DF	T	DO	3M	34	178	4.6	170	22.3			13	20	59	45	32					
DF	T	DO	4M	12	1		1	.1		1										
DF	T	DO	4M	26	5		5	.6		5										
DF	T	DO	4M	28	4		4	.5		4										
DF	T	DO	4M	29	7		7	.9		7										
DF	T	DO	4M	33	4		4	.6		4										
DF	T	DO	4M	34	27	2.4	26	3.4			19		8							
DF	T	DO	4M	36	3		3	.4		3										
DF	T	DO	4M	37	4		4	.5		4										
DF	Totals				780	2.4	761	84.2		68	49	74	138	136	116	116	21	23	21	
SP	L	DO	1S	28	26		26	46.9		3			11		12					
SP	L	DO	1S	30	1		1	2.6		1										
SP	L	DO	1S	34	15	11.3	13	23.8									13			
SP	T	DO	1S	22	9		9	16.7			9									
SP	T	DO	1S	24	6		6	10.0		6										
SP	Totals				58	2.9	56	6.2		10		9	11		12		13			
CQ	L	DO	4M	12	6		6	7.9		6										
CQ	L	DO	4M	15	5		5	7.1		5										
CQ	L	DO	4M	18	8		8	11.2		8										
CQ	L	DO	4M	19	4		4	5.0		4										
CQ	L	DO	4M	20	7		7	9.5			7									
CQ	L	DO	4M	21	7		7	9.6		7										
CQ	L	DO	4M	31	8		8	11.6		8										
CQ	L	DO	4M	32	4		4	5.1		4										
CQ	L	DO	4M	34	13		13	18.4		13										
CQ	L	DO	4M	39	11		11	14.6		11										
CQ	Totals				73		73	8.0		66		7								
MA	L	DO	4M	20	9		9	61.4		9										
MA	L	DO	4M	22	3		3	20.5		3										
MA	L	DO	4M	36	3		3	18.2		3										

TC TLOGSTVB

Log Stock Table - MBF

Project: TRAPPERS

T32S RR9W S36 T2000

T32S RR9W S36 T2000

Twp32SRgeR9WSec36TractAREA2Type2000Acres64.00Plots43Sample Trees95

Page2Date4/27/2016Time11:55:54AM

Spp	T	S	So	Gr	Log	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
MA		Totals				14		14	1.6	14										
Total All Species						924	2.2	904	100.0	157		49	91	149	136	128	116	34	23	21

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT	TRAPPERS			DATE	4/27/2016		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
32S	R9W	36	AREA4	4000	17.00	12	95	S	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
PLOTS		TREES		TREES							
TOTAL		12	95	7.9							
CRUISE		4	36	9.0		5,083	.7				
DBH COUNT											
REFOREST											
COUNT		8	59	7.4							
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR-L		8	58.5	16.2	79	20.9	84.0	12,985	12,985	2,855	2,855
DOUG FIR-T		14	84.8	12.8	80	21.1	75.6	10,111	10,111	2,296	2,296
CHINQUAP-L		6	90.1	8.9	52	13.1	39.2	2,584	2,584	769	769
SUG.PINE-L		4	21.2	15.6	64	7.1	28.0	1,628	1,628	415	415
SUG.PINE-T		1	.8	24.8	95	0.6	2.8	267	267	85	85
MADRONE-L		3	43.6	9.1	48	6.5	19.6	1,094	1,094	345	345
TOTAL		36	299.0	12.4	66	70.9	249.3	28,669	28,669	6,764	6,764
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-L		77.0	29.0	281	396	511					
DOUG FIR-T		146.5	40.6	139	234	328					
CHINQUAP-L		74.5	33.2	24	37	49					
SUG.PINE-L		78.8	45.0	34	63	91					
SUG.PINE-T											
MADRONE-L		21.7	15.0	23	27	31					
TOTAL		140.5	23.4	156	203	251	788	197	88		
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-L		69.9	26.4	62	85	107					
DOUG FIR-T		128.1	35.5	33	50	68					
CHINQUAP-L		72.2	32.1	8	11	15					
SUG.PINE-L		78.0	44.5	9	16	23					
SUG.PINE-T											
MADRONE-L		44.2	30.6	6	9	12					
TOTAL		122.8	20.4	36	46	55	602	150	67		
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-L		48.4	14.6	50	59	67					
DOUG FIR-T		105.5	31.8	58	85	112					
CHINQUAP-L		178.1	53.6	42	90	138					
SUG.PINE-L		149.9	45.1	12	21	31					
SUG.PINE-T		346.4	104.3		1	2					
MADRONE-L		139.2	41.9	25	44	62					
TOTAL		56.2	16.9	248	299	350	137	34	15		
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-L		43.5	13.1	73	84	95					
DOUG FIR-T		96.9	29.2	54	76	98					
CHINQUAP-L		166.8	50.2	20	39	59					
SUG.PINE-L		123.6	37.2	18	28	38					

TC TSTATS				<b>STATISTICS</b>				PAGE	2
				PROJECT	TRAPPERS			DATE	4/27/2016
<b>TWP</b>	<b>RGE</b>	<b>SECT</b>	<b>TRACT</b>	<b>TYPE</b>	<b>ACRES</b>	<b>PLOTS</b>	<b>TREES</b>	<b>CuFt</b>	<b>BdFt</b>
<b>32S</b>	<b>R9W</b>	<b>36</b>	<b>AREA4</b>	<b>4000</b>	17.00	12	95	S	W
CL: 68.1 %	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
SUG.PINE-T	346.4	104.3		3	6				
MADRONE-L	135.9	40.9	12	20	28				
<b>TOTAL</b>	<b>33.3</b>	<b>10.0</b>	<b>224</b>	<b>249</b>	<b>274</b>		<b>48</b>	<b>12</b>	<b>5</b>
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-L	49.5	14.9	11,048	12,985	14,922				
DOUG FIR-T	93.3	28.1	7,270	10,111	12,952				
CHINQUAP-L	165.3	49.8	1,298	2,584	3,871				
SUG.PINE-L	152.1	45.8	882	1,628	2,373				
SUG.PINE-T	346.4	104.3		267	546				
MADRONE-L	136.5	41.1	644	1,094	1,543				
<b>TOTAL</b>	<b>31.8</b>	<b>9.6</b>	<b>25,922</b>	<b>28,669</b>	<b>31,416</b>		<b>44</b>	<b>11</b>	<b>5</b>
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-L	47.3	14.3	2,448	2,855	3,262				
DOUG FIR-T	94.9	28.6	1,640	2,296	2,953				
CHINQUAP-L	164.0	49.4	389	769	1,148				
SUG.PINE-L	152.1	45.8	225	415	605				
SUG.PINE-T	346.4	104.3		85	173				
MADRONE-L	136.2	41.0	203	345	486				
<b>TOTAL</b>	<b>30.2</b>	<b>9.1</b>	<b>6,148</b>	<b>6,764</b>	<b>7,380</b>		<b>40</b>	<b>10</b>	<b>4</b>

T TSPCSTGR				Species, Sort Grade - Board Foot Volumes (Type)												Page 1						
				Project: TRAPPERS												Date 4/27/2016						
																Time 12:02:57PM						
T32S RR9W S36 T4000												T32S RR9W S36 T4000										
Twp		Rge		Sec	Tract		Type	Acres	Plots		Sample Trees				CuFt	BdFt						
32S		R9W		36	AREA4		4000	17.00	12		36				S	W						
				% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre	
									Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/ Lf		
Spp	So	Gr	ad					4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf			
DF	L	DO	2M	43		5,707	5,707	97		23	77		100			34	17	425	2.23	13.4		
DF	L	DO	3M	42		5,359	5,359	91	46	54			100			34	11	152	1.06	35.3		
DF	L	DO	4M	15		1,919	1,919	33	100				33	67		31	5	35	0.34	54.2		
DF	L	Totals		45		12,985	12,985	221	15	19	32	34		5	95	32	9	126	0.86	102.9		
DF	T	DO	3M	61		6,185	6,185	105		52	28	19		100		34	10	138	0.90	44.9		
DF	T	DO	4M	39		3,926	3,926	67	49	51			13	6	81	28	5	36	0.31	108.6		
DF	T	Totals		35		10,111	10,111	172	19	52	17	12		5	2	93	30	7	66	0.51	153.4	
CQ	L	DO	4M	100		2,584	2,584	44	100				32	15	16	37	25	5	29	0.34	90.1	
CQ	L	Totals		9		2,584	2,584	44	100				32	15	16	37	25	5	29	0.34	90.1	
SP	L	DO	1S	100		1,628	1,628	28	29	71			43	57		22	7	39	0.46	41.6		
SP	L	Totals		6		1,628	1,628	28	29	71			43	57		22	7	39	0.46	41.6		
SP	T	DO	1S	100		267	267	5	12	88				100		40	10	160	1.28	1.7		
SP	T	Totals		1		267	267	5	12	88				100		40	10	160	1.28	1.7		
MA	L	DO	4M	100		1,094	1,094	19	100				39	33	28	25	5	25	0.32	43.6		
MA	L	Totals		4		1,094	1,094	19	100				39	33	28	25	5	25	0.32	43.6		
Type Totals						28,669	28,669	487	28	31	22	20		9	9	78	4	28	7	66	0.55	433.3



# Log Stock Table - MBF

Project: TRAPPERS

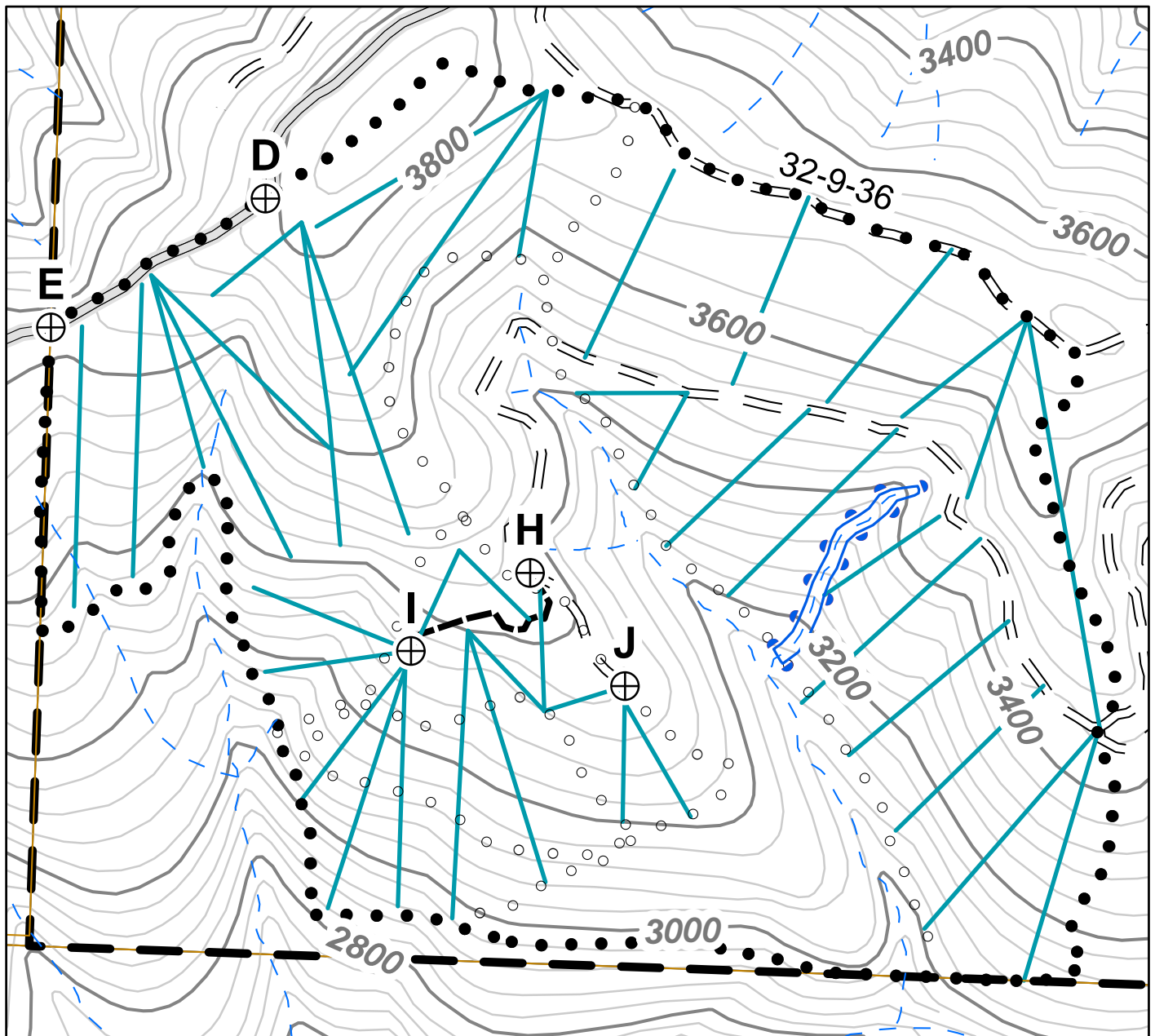
T32S RR9W S36 T4000

T32S RR9W S36 T4000

Twp Rge Sec Tract Type Acres Plots Sample Trees  
 32S R9W 36 AREA4 4000 17.00 12 36

Page 1  
 Date 4/27/2016  
 Time 12:02:57PM

Spp	S	So	Gr	Log	T	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+
DF	L	DO	2M	34		97		97	24.7						22	50	25				
DF	L	DO	3M	34		91		91	23.2			7	35	39	10						
DF	L	DO	4M	25		4		4	.9		4										
DF	L	DO	4M	27		6		6	1.5		6										
DF	L	DO	4M	29		2		2	.4		2										
DF	L	DO	4M	32		2		2	.5		2										
DF	L	DO	4M	34		20		20	5.1		20										
DF	T	DO	3M	34		105		105	26.8			6	30	18	18	12	7	13			
DF	T	DO	4M	13		2		2	.5		2										
DF	T	DO	4M	15		3		3	.8		3										
DF	T	DO	4M	17		1		1	.2		1										
DF	T	DO	4M	19		3		3	.7		3										
DF	T	DO	4M	27		4		4	1.0		4										
DF	T	DO	4M	31		2		2	.5		2										
DF	T	DO	4M	33		3		3	.8		3										
DF	T	DO	4M	34		49		49	12.4		15	34									
	DF		Totals			393		393	80.6		65	40	37	53	56	45	57	25	13		
CQ	L	DO	4M	20		14		14	32.1		14										
CQ	L	DO	4M	22		7		7	15.2		7										
CQ	L	DO	4M	32		7		7	15.7		7										
CQ	L	DO	4M	37		6		6	13.3		6										
CQ	L	DO	4M	41		10		10	23.6		10										
	CQ		Totals			44		44	9.0		44										
SP	L	DO	1S	20		12		12	36.8			12									
SP	L	DO	1S	21		5		5	16.5		5										
SP	L	DO	1S	24		8		8	24.4				8								
SP	L	DO	1S	26		3		3	8.1		3										
SP	T	DO	1S	39		4		4	12.3						4						
SP	T	DO	1S	40		1		1	1.8		1										
	SP		Totals			32		32	6.6		9	12	8		4						
MA	L	DO	4M	20		7		7	39.0		7										
MA	L	DO	4M	27		6		6	32.9		6										
MA	L	DO	4M	32		5		5	28.2		5										
	MA		Totals			19		19	3.8		19										
Total All Species						487		487	100.0		136	40	49	61	56	48	57	25	13		



#### LEGEND

##### Boundaries

- ◊ ◊ ◊ ◊ Area Boundary (Not-Posted)
- • • • Timber Sale Boundary
- Buereu of Land Management
- State Forest Property Boundary
- Logging Corridors
- New Constuction

##### Roads

- Unsurfaced

##### Streams

- Unclassified
- Stream Buffer'

## EXHIBIT "A"

### LOGGING PLAN

#### Sale No. 341-17-40

#### Trappers Cabin No.7

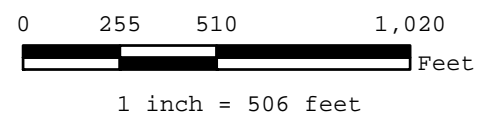
Portions of Section 36  
T32S, R9W, W.M.  
Douglas County, Oregon  
100% CSL



#### Net Harvest Acres

Area 1	42.0
Area 2	64.0
Area 3	0.0
Area 4	17.0

**Total 123.0**



The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.