



Timber Sale Appraisal  
Third Rock  
Sale GP-341-2018-93-

District: Southwest

Date: December 05, 2017

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**Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$138,788.05	\$600.00	\$139,388.05
		Project Work:	(\$5,171.00)
		Advertised Value:	\$134,217.05



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**Timber Description**

**Location:** Portions of Section 6 and 7, T32S, R5W, W.M., Douglas County, Oregon. ( Near Glendale Oregon.)

**Stand Stocking:** 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	90
Grand Fir	17	0	90
Chinkapin	12	0	90

Volume by Grade	2S	3S	4S	5S	Total
Douglas - Fir	11	172	62	0	245
Grand Fir	16	166	18	0	200
Chinkapin	0	0	0	12	12
<b>Total</b>	27	338	80	12	457

**Comments:** Local Pond Values Used: September 2017.

This sale is a 2 Area, 125acre commercial thinning of 82 year old Douglas-fir and mixed conifer.

Note: Western Hemlock volumes have been combined with the Grand Fir volumes for appraisal.

Incense Cedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost  
 $\$800 - \$200 = \$600$

Sugar Pines and Other Pines Stumpage Prices = Pond Value minus Logging Cost  
 $\$450 - \$200 = \$250$

Chinkapin and Other Hardwoods Sold Lump Sum = Maximum of 5 loads at \$120/load = \$600

SCALING COST ALLOWANCE = \$5.00/MBF

BRAND AND PAINT 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):  
None.

Project Work: \$7,151.00

Project 1: Light blading on some sections of the sale area to open and improve roads.

Project 2: Installation of 2 culverts to help with water drainage.

Winter Haul Option:

This will require the application of 4 inches of rock at designated locations within in the timber sale.

Aprox. Rock: 339 yds, Cost: \$6,456, Access: 84 acres with a Volume of 268 MBF.

\*Note: Additional rocking may be needed to facilitate winter logging depending on weather conditions.



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**Logging Conditions**

<b>Combination#: 1</b>	Douglas - Fir	75.00%	
	Grand Fir	75.00%	
<b>Logging System:</b>	Cable: Medium Tower >40 - <70		<b>Process:</b> Manual Falling/Delimbing
<b>yarding distance:</b>	Medium (800 ft)		<b>downhill yarding:</b> No
<b>tree size:</b>	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
<b>loads / day:</b>	7		<b>bd. ft / load:</b> 3500
<b>cost / mbf:</b>	\$269.39		
<b>machines:</b>	Log Loader (A)		
	Tower Yarder (Medium)		
<b>Combination#: 2</b>	Douglas - Fir	25.00%	
	Grand Fir	25.00%	
<b>Logging System:</b>	Track Skidder		<b>Process:</b> Feller Buncher
<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> 3400
<b>cost / mbf:</b>	\$171.82		
<b>machines:</b>	Log Loader (B)		
	Stroke Delimber (B)		
	Feller Buncher w/ Delimber		
	Track Skidder		

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### Logging Costs

Operating Seasons: 1.00	Profit Risk: 12%
Project Costs: \$5,171.00	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	0.0	5.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	4.0	3.4
Grand Fir	\$0.00	4.0	3.4
Chinkapin	\$0.00	0.0	0.0



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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
<b>Douglas - Fir</b>									
\$245.00	\$5.17	\$9.60	\$63.09	\$0.00	\$38.74	\$0.00	\$7.00	\$0.00	\$368.60
<b>Grand Fir</b>									
\$245.00	\$5.17	\$9.60	\$63.09	\$0.00	\$38.74	\$0.00	\$7.00	\$0.00	\$368.60
<b>Chinkapin</b>									
\$0.00	\$5.17	\$0.00	\$0.00	\$0.00	\$5.17	\$0.00	\$0.00	\$0.00	\$10.34

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$756.29	\$387.69	\$0.00
Grand Fir	\$0.00	\$587.62	\$219.02	\$0.00
Chinkapin	\$0.00	\$60.34	\$50.00	\$0.00



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**Summary**

**Amortized**

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

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	245	\$387.69	\$94,984.05
Grand Fir	200	\$219.02	\$43,804.00
Chinkapin	12	\$50.00	\$600.00

**Gross Timber Sale Value**

**Recovery:** \$139,388.05

**Prepared By:** Wyatt Taylor

**Phone:** 541-471-4252

**Project Summary****Project 1: Light Road Blading**

1.5 miles @ \$300/mile	\$450
Mobilization	\$600
<b>Total</b>	<b>\$1,050</b>

**Description:** The majority of the roads throughout the unit need little to no additional work to make them accessible. There will be some light blading/grading in sections of the road that was not utilized for the previous timber sale.

**Project 2: Culvert Installation**

Culverts- 20ft sect. @ \$124 x3	\$372
Bands @ \$11 each x 2	\$22
Delivery @ \$2.90/mile, 118 miles	\$342
Rock @ \$15/yd., 27 yds.	\$405
Backhoe/Excavator @ 12 hr., \$1,020/day x 1 day	\$1,020
Dump Truck @ 12 hr., \$960/day x 1 day	\$960
Mobilization	\$1,000
<b>Total</b>	<b>\$4,121</b>

**Description:** Installation of 2, 30 ft. culverts within the sale area to help with water drainage.

<b>TOTAL COMBINED PROJECTS</b>	<b>\$5,171</b>
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## OREGON DEPARTMENT of FORESTRY CRUISE REPORT

SALE NAME: Third Rock

SALE NUMBER: 341-18-93

1. **Acreage Calculation:** There are 125 net cruise acres in the sale area determined by a combination of GPS traverse waypoints and ArcGIS 10.2 software. Net acres do not include the riparian management areas, regeneration areas within the stand, and non-stocked areas which were not cruised.
2. **Cruise Method:** Third Rock timber sale was cruised by ODF during the summer and fall of 2017. A variable plot cruise was conducted on the sale area.
3. **RIGHT of WAY VOLUMES:** There is currently no right of way volume associated with this sale.
4. **Sampling Intensity:**  
# Plots 60 Total Plots (32 measured, 27 Count, 1 zero plot)  
  
CV (BDFT) 63% (combined volume)  
SE (BDFT) 8.04% (combined volume)  
CV (BDFT) 147% (take)  
SE (BDFT) 19% (take)  
  
As per ODF standards, total harvest volume of conifers and hardwoods ("take" trees) is estimated to be 451 MBF  $\pm$  85 MBF at the 68% confidence level and a sampling error of 18.83%\*. 68 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:** Conifer 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 10%.
12. **Cruisers:** Cruising was performed by Chris Rudd and Wyatt Taylor.

\*ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale volume calculations.

Chris Rudd, Unit Forester: /s/ Chris Rudd

Date: 10/24/2017

## PROJECT STATISTICS

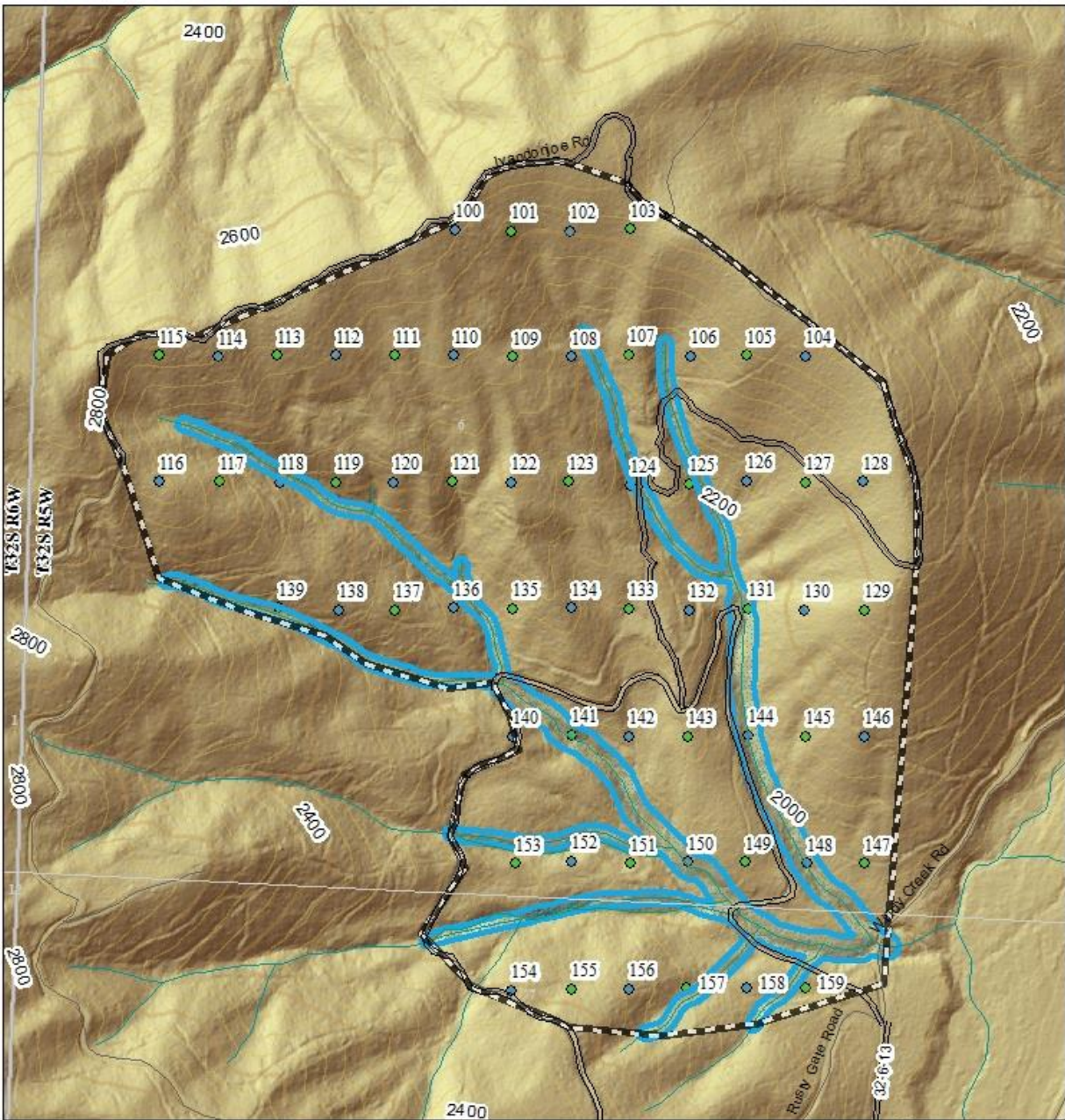
	Plots	Trees	Trees Per Plot
<b>Cruise</b>	32	135	4.2
<b>Count</b>	27	109	4
<b>Blank</b>	1	-	-
<b>Total</b>	60	244	4.1

Summary Volume Table (Take) Total Net Volume (BF) Sale Area						
	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	Totals
Douglas-fir	10,575	171,675	62,325	0	0	244,575
Grand-Fir	15,638	155,475	16,537	0	0	187,650
Western Hemlock	0	11,025	2,137	0	0	13,162
Chinquapin	0	0	0	5,625	0	5,625
<b>Totals</b>	<b>26,213</b>	<b>338,175</b>	<b>80,999</b>	<b>5,625</b>	<b>0</b>	<b>451,012</b>

Summary Volume Table (Take) Total Net Volume (%) Sale Area						
	2 Saw	3 Saw	4 Saw	5 Saw	6 Saw	Totals
Douglas-fir	2%	38%	14%	0%	0%	54%
Grand-Fir	3%	34%	4%	0%	0%	42%
Western Hemlock	0%	2%	0%	0%	0%	3%
Chinquapin	0%	0%	0%	1%	0%	1%
<b>Totals</b>	<b>6%</b>	<b>75%</b>	<b>18%</b>	<b>1%</b>	<b>0%</b>	<b>100%</b>

Board Foot Volume Summary by Strata									
Area	Acres	Plots	Net BF/ac	CV	SE	SE units	Low (BF)	Average Total (BF)	High (BF)
1	125	60	3,610	147%	19%	84,943	366,070	451,013	535,956
<b>Total Sale Area</b>	<b>125</b>	<b>60</b>	<b>3,610</b>	<b>147%</b>	<b>19%</b>	<b>84,943</b>	<b>366,070</b>	<b>451,013</b>	<b>535,956</b>

\*ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale volume calculations.



**Legend**

Sale Boundary

**Plots**

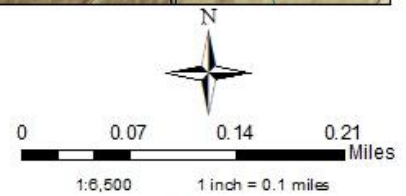
Count

Measure

Main Roads

Stream Buffer

CRUISE MAP  
 Sale No. 341-18-93  
 Third Rock  
 Section 6 and 7, T32S, 5W, W.M.  
 Douglas County, Oregon  
 Regulated Use Area DG - 2  
 100% Board of Forestry Lands  
 Net Acres - 125  
 Spacing 231' Plots, 497' Lines  
 BAF - 33.61 (11 Bars)



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.

TC PSTATS					PROJECT STATISTICS			PAGE	1					
					PROJECT	3RDROCK	DATE			9/26/2017				
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt					
032	005	07	WINDY	0001	125.00	60	255	S	W					
					TREES	ESTIMATED	PERCENT							
					PER PLOT	TOTAL	SAMPLE							
						TREES	TREES							
TOTAL					60	255	4.3							
CRUISE					32	135	4.2	11,962	1.1					
DBH COUNT														
REFOREST														
COUNT					27	109	4.0							
BLANKS					1									
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					74	61.7	16.4	92	22.4	90.7	13,573	13,548	3,125	3,125
DOUG FIR-T					21	13.8	14.7	87	4.2	16.2	2,174	2,174	510	510
GR FIR-L					15	5.6	20.1	108	2.7	12.3	2,289	2,289	513	513
GR FIR-T					8	6.4	17.1	107	2.4	10.1	1,668	1,668	397	397
INC CED-L					10	2.3	23.8	81	1.5	7.3	706	706	209	209
WHEMLOCK-L					1	1.8	15.0	85	0.6	2.2	292	292	75	75
WHEMLOCK-T					1	1.0	14.5	83	0.3	1.1	117	117	33	33
SUG PDNE-L					3	.8	19.8	78	0.4	1.7	153	153	42	42
CHINQUAP-L					1	1.6	8.0	60	0.2	.6	64	64	11	11
CHINQUAP-T					1	.7	12.0	60	0.2	.6	50	50	13	13
TOTAL					135	95.7	16.5	92	35.1	142.8	21,086	21,061	4,928	4,928
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		66.6	7.7	281	304	328								
DOUG FIR-T		53.5	12.0	161	183	205								
GR FIR-L		54.4	14.5	448	524	600								
GR FIR-T		31.2	11.8	246	279	312								
INC CED-L		74.7	24.9	297	395	493								
WHEMLOCK-L														
WHEMLOCK-T														
SUG PDNE-L		33.5	23.2	156	203	250								
CHINQUAP-L														
CHINQUAP-T														
TOTAL		71.8	6.2	288	307	326	206	52	23					
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		59.9	7.0	64	69	74								
DOUG FIR-T		48.5	10.8	38	43	47								
GR FIR-L		47.8	12.8	100	114	129								
GR FIR-T		27.7	10.5	59	66	73								
INC CED-L		54.6	18.2	92	112	133								
WHEMLOCK-L														
WHEMLOCK-T														
SUG PDNE-L		34.9	24.2	42	55	69								
CHINQUAP-L														
CHINQUAP-T														
TOTAL		64.6	5.6	67	71	75	167	42	19					
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		79.8	10.3	55	62	68								



TC PSTATS				<b>PROJECT STATISTICS</b>				PAGE	2
				PROJECT 3RDROCK				DATE	9/26/2017
<b>TWP</b>	<b>RGE</b>	<b>SC</b>	<b>TRACT</b>	<b>TYPE</b>	<b>ACRES</b>	<b>PLOTS</b>	<b>TREES</b>	<b>CuFt</b>	<b>BdFt</b>
032	005	07	WINDY	0001	125.00	60	255	S	W
CL	68.1		COEFF		<b>TREES/ACRE</b>			<b># OF PLOTS REQ.</b>	
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10
DOUG FIR-T			181.4	23.4	11	14	17		
GR FIR-L			269.6	34.8	4	6	8		
GR FIR-T			225.9	29.1	5	6	8		
INC CED-L			217.6	28.1	2	2	3		
WHEMLOCK-L			609.3	78.6	0	2	3		
WHEMLOCK-T			543.1	70.0	0	1	2		
SUG.PINE-L			774.6	99.9	0	1	2		
CHINQUAP-L			774.6	99.9	0	2	3		
CHINQUAP-T			774.6	99.9	0	1	1		
<b>TOTAL</b>			62.7	8.1	88	96	103	157	39
CL	68.1		COEFF		<b>BASAL AREA/ACRE</b>			<b># OF PLOTS REQ.</b>	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10
DOUG FIR-L			72.6	9.4	82	91	99		
DOUG FIR-T			188.5	24.3	12	16	20		
GR FIR-L			229.9	29.7	9	12	16		
GR FIR-T			223.8	28.9	7	10	13		
INC CED-L			209.7	27.1	5	7	9		
WHEMLOCK-L			609.3	78.6	0	2	4		
WHEMLOCK-T			543.1	70.0	0	1	2		
SUG.PINE-L			774.6	99.9	0	2	3		
CHINQUAP-L			774.6	99.9	0	1	1		
CHINQUAP-T			774.6	99.9	0	1	1		
<b>TOTAL</b>			46.0	5.9	134	143	151	84	21
CL	68.1		COEFF		<b>NET BF/ACRE</b>			<b># OF PLOTS REQ.</b>	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10
DOUG FIR-L			76.4	9.9	12,213	13,548	14,883		
DOUG FIR-T			203.9	26.3	1,602	2,174	2,746		
GR FIR-L			223.5	28.8	1,629	2,289	2,949		
GR FIR-T			224.5	29.0	1,185	1,668	2,151		
INC CED-L			246.9	31.8	481	706	931		
WHEMLOCK-L			609.3	78.6	63	292	522		
WHEMLOCK-T			543.1	70.0	35	117	199		
SUG.PINE-L			774.6	99.9	0	153	306		
CHINQUAP-L			774.6	99.9	0	64	128		
CHINQUAP-T			774.6	99.9	0	50	100		
<b>TOTAL</b>			52.6	6.8	19,631	21,061	22,492	111	28
CL	68.1		COEFF		<b>NET CUFT FT/ACRE</b>			<b># OF PLOTS REQ.</b>	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10
DOUG FIR-L			75.0	9.7	2,823	3,125	3,428		
DOUG FIR-T			200.5	25.9	378	510	642		
GR FIR-L			225.0	29.0	364	513	661		
GR FIR-T			224.3	28.9	282	397	512		
INC CED-L			222.9	28.8	149	209	269		
WHEMLOCK-L			609.3	78.6	16	75	134		
WHEMLOCK-T			543.1	70.0	10	33	56		
SUG.PINE-L			774.6	99.9	0	42	83		
CHINQUAP-L			774.6	99.9	0	11	21		
CHINQUAP-T			774.6	99.9	0	13	26		
<b>TOTAL</b>			49.8	6.4	4,612	4,928	5,245	99	25

TC		PLOGSTVB		Log Stock Table - MBF																
T032 R005 S07 Ty0001		125.00		Project:		3RDROCK		Page		1										
				Acres		125.00		Date		9/26/2017										
								Time		11:45:34AM										
Spp	S T	So rt	Gr 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+
DF	L	DO	2M	34	418		418	24.7				142	123	113	40					
DF	L	DO	3M	26	13		13	.7			13									
DF	L	DO	3M	32	7		7	.4		7										
DF	L	DO	3M	34	1,002		999	59.0		46	222	313	237	34	148					
DF	L	DO	3M	42	20		20	1.2				20								
DF	L	DO	4M	12	1		1	.0		1										
DF	L	DO	4M	13	1		1	.1		1										
DF	L	DO	4M	14	2		2	.1		2										
DF	L	DO	4M	15	13		13	.8		13										
DF	L	DO	4M	16	1		1	.1		1										
DF	L	DO	4M	17	7		7	.4		7										
DF	L	DO	4M	18	4		4	.3		4										
DF	L	DO	4M	19	8		8	.5		8										
DF	L	DO	4M	20	11		11	.7		11										
DF	L	DO	4M	21	3		3	.2		3										
DF	L	DO	4M	22	3		3	.2			3									
DF	L	DO	4M	23	9		9	.5		9										
DF	L	DO	4M	24	25		25	1.5		19		6								
DF	L	DO	4M	25	7		7	.4		7										
DF	L	DO	4M	26	14		14	.8		4	10									
DF	L	DO	4M	27	10		10	.6		10										
DF	L	DO	4M	28	16		16	.9		8		8								
DF	L	DO	4M	30	16		16	1.0		16										
DF	L	DO	4M	31	18		18	1.0		18										
DF	L	DO	4M	32	3		3	.2		3										
DF	L	DO	4M	33	3		3	.2		3										
DF	L	DO	4M	34	21		21	1.2		7	14									
DF	L	DO	4M	35	16		16	.9		16										
DF	L	DO	4M	37	2		2	.1		2										
DF	L	DO	4M	38	2		2	.1		2										
DF	L	DO	4M	39	3		3	.2		3										
DF	L	DO	4M	41	9		9	.5		9										
DF	L	DO	4M	42	7		7	.4		7										
DF		Totals			1,697		1,693	64.3		197	77	250	332	379	157	261	40			
DF	T	DO	2M	34	12		12	4.3						12						
DF	T	DO	3M	26	9		9	3.4		3		6								

TC		FLOGSTVB		Log Stock Table - MBF																	
T032 R005 S07 Ty0001				125.00		Project:		3RDROCK		Page		2									
						Acres		125.00		Date		9/26/2017									
										Time		11:45:34AM									
Spp	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+
DF	T		DO	3M	32	4		4	1.4			4									
DF	T		DO	3M	34	178		178	65.4			9	58	69	29	12					
DF	T		DO	4M	12	1		1	.2		1										
DF	T		DO	4M	13	1		1	.4		1										
DF	T		DO	4M	16	2		2	.7		2										
DF	T		DO	4M	17	5		5	1.7		5										
DF	T		DO	4M	18	2		2	.9		2										
DF	T		DO	4M	19	2		2	.6		2										
DF	T		DO	4M	20	2		2	.6		2										
DF	T		DO	4M	22	1		1	.4		1										
DF	T		DO	4M	23	3		3	1.0		3										
DF	T		DO	4M	24	2		2	.8		2										
DF	T		DO	4M	26	4		4	1.6		1		3								
DF	T		DO	4M	28	3		3	1.2		3										
DF	T		DO	4M	29	3		3	1.0		3										
DF	T		DO	4M	31	2		2	.9		2										
DF	T		DO	4M	34	26		26	9.6			16	10								
DF	T		DO	4M	35	3		3	1.0		3										
DF	T		DO	4M	36	5		5	1.7		5										
DF	T		DO	4M	40	4		4	1.3		4										
DF			Totals			272		272	10.3		43	29	78	69	29	24					
IC	L		DO	3M	20	3		3	2.9			3									
IC	L		DO	3M	21	1		1	1.2		1										
IC	L		DO	3M	34	55		55	61.9					13		14	9	19			
IC	L		DO	4M	19	0		0	.4		0										
IC	L		DO	4M	20	2		2	2.3						2						
IC	L		DO	4M	21	1		1	.8		1										
IC	L		DO	4M	29	2		2	1.8		2										
IC	L		DO	4M	32	0		0	.6		0										
IC	L		DO	4M	34	18		18	20.9				6		4	8					
IC	L		DO	4M	35	3		3	3.1		3										
IC	L		DO	4M	36	1		1	1.4		1										
IC	L		DO	4M	40	2		2	2.7				2								
IC			Totals			88		88	3.4		8	5		19		20	17	19			
GF	L		DO	2M	34	75		75	26.3					11	24	41					
GF	L		DO	3M	34	183		183	63.9			26	27	27	38	35	30				

TC		FLOGSTVB																	Log Stock Table - MBF									
T032 R005 S07 Ty0001				125.00				Project: 3RDROCK				Page 3				Date 9/26/2017				Time 11:45:34AM								
								Acres 125.00																				
Spp	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+									
GF	L	DO	4M	14	1	1	.2		1																			
GF	L	DO	4M	16	1	1	.4		1																			
GF	L	DO	4M	17	1	1	.3		1																			
GF	L	DO	4M	19	1	1	.4		1																			
GF	L	DO	4M	21	2	2	.6		2																			
GF	L	DO	4M	23	1	1	.3		1																			
GF	L	DO	4M	24	2	2	.8				2																	
GF	L	DO	4M	26	4	4	1.5		1			3																
GF	L	DO	4M	27	1	1	.3		1																			
GF	L	DO	4M	28	8	8	2.6		4			3																
GF	L	DO	4M	30	2	2	.8		2																			
GF	L	DO	4M	41	4	4	1.5		4																			
GF		Totals			286	286	10.9		19		28	33	38	62	75	30												
GF	T	DO	2M	34	17	17	8.3							17														
GF	T	DO	3M	34	173	173	82.8			7	37	59	52	19														
GF	T	DO	4M	12	1	1	.5		1																			
GF	T	DO	4M	15	4	4	2.0		4																			
GF	T	DO	4M	21	3	3	1.3		3																			
GF	T	DO	4M	22	2	2	1.0		2																			
GF	T	DO	4M	25	3	3	1.6		3																			
GF	T	DO	4M	37	5	5	2.5		5																			
GF		Totals			209	209	7.9		18	7	37	59	52	36														
SP	L	DO	3M	34	16	16	85.2					10		6														
SP	L	DO	4M	20	1	1	3.9		1																			
SP	L	DO	4M	28	1	1	5.6		1																			
SP	L	DO	4M	36	1	1	5.3		1																			
SP		Totals			19	19	.7		3			10		6														
CQ	L	DO	4M	33	8	8	100.0		8																			
CQ		Totals			8	8	.3		8																			
CQ	T	DO	4M	22	6	6	100.0		2		4																	
CQ		Totals			6	6	.2		2		4																	
WH	L	DO	3M	34	30	30	81.2					30																
WH	L	DO	4M	32	7	7	18.8		7																			



TC		PLOGSTVB		Log Stock Table - MBF																			
T032 R005 S07 Ty0001				125.00		Project:		3RDROCK		Page		4		Date		9/26/2017		Time		11:45:34AM			
						Acres		125.00															
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	%	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+				
WH		Totals		37		37	1.4	7				30											
WH	T	DO	3M	34	12	12	83.3			12													
WH	T	DO	4M	30	2	2	16.7	2															
WH		Totals		15		15	.6	2		12													
Total		All Species		2,636		2,633	100.0	308		112		415		552		498		305		354		89	

TC PLOTTREELIST					Plot Tree List - Volumes										Page	1
					Project 3RDROCK										Date	9/26/2017
TWP	RGE	SC	TRACT	TYPE	ACRES					PLOTS		TREES		CRUISED DATE		
032	005	07	WINDY	0001	125.00					60		135		7/1/2017		
Plot No.	Tree No.	Age	SI	Sp	Me.	Cl.	DBH	16' FF	Tot Ht.	BA /Ac.	Trees /Ac.	Logs /Ac.	Net CuFt/Ac.	Net Bbf/Ac.	CUNITS	MBF
0100	0001	60	100	IC L	1		25.0	80	82	33.6	9.86	19.7	959	2,761	20	6
	0002	60	100	DF T	1		14.0	87	85	33.6	31.44	62.9	992	4,087	21	9
	0003	60	100	DF T	1		16.0	88	89	33.6	24.07	48.1	1,117	4,574	23	10
	0004	60	100	DF L	1		13.0	87	80	33.6	36.46	72.9	916	3,646	19	8
	0005	60	100	DF L	1		13.5	88	83	33.6	33.81	67.6	1,048	4,396	22	9
	0006	60	100	DF L	1		20.0	88	101	33.6	15.41	46.2	1,223	5,084	25	11
0100		100			6		15.6	87	85	201.7	151.05	317.5	6,255	24,547	130	51
0102	0001	60	100	DF L	1		13.5	89	88	33.6	33.81	67.6	1,087	4,396	23	9
	0002	60	100	DF L	1		20.0	89	96	33.6	15.41	46.2	1,183	4,930	25	10
	0003	60	100	DF L	1		22.5	89	101	33.6	12.17	36.5	1,259	5,964	26	12
	0004	60	100	DF L	1		14.5	89	90	33.6	29.31	29.3	804	3,810	17	8
0102		100			4		16.5	89	92	134.4	90.70	179.7	4,333	19,100	90	40
0104	0001	60	100	DF L	1		19.0	89	84	33.6	17.07	17.1	780	3,585	16	7
	100			1		19.0	89	84	84	33.6	17.07	17.1	780	3,585	16	7
0106	0001	60	100	DF L	1		14.0	86	66	33.6	31.44	62.9	794	2,830	17	6
	0002	60	100	DF T	1		15.0	86	66	33.6	27.39	54.8	838	3,287	17	7
	0003	60	100	DF L	1		17.5	88	86	33.6	20.12	40.2	1,132	4,226	24	9
	0004	60	100	DF L	1		18.5	88	90	33.6	18.01	36.0	1,105	3,781	23	8
	0005	60	100	DF L	1		16.5	88	88	33.6	22.63	45.3	1,107	4,301	23	9
0106		100			5		16.1	87	77	168.1	119.59	239.2	4,976	18,423	104	38
0108	0001	60	100	DF L	1		12.5	88	90	33.6	39.44	78.9	1,048	3,944	22	8
	0002	60	100	DF L	1		17.5	89	108	33.6	20.12	60.4	1,284	5,232	27	11
	0003	60	100	DF L	1		20.0	89	111	33.6	15.41	46.2	1,339	6,008	28	13
	0004	60	100	DF L	1		18.5	89	110	33.6	18.01	54.0	1,350	5,942	28	12
	0005	60	100	DF L	1		15.0	89	100	33.6	27.39	54.8	1,144	5,204	24	11
0108		100			5		16.0	89	101	168.1	120.36	294.3	6,164	26,329	128	55
0109	0001	60	100	IC L	1		23.0	77	81	33.6	10.84	23.6	965	3,258	20	7
	100			1		23.8	77	81	81	33.6	10.84	23.6	965	3,258	20	7
0110	0001	60	100	DF L	1		26.0	87	121	33.6	9.12	27.3	1,397	6,381	29	13
	0002	60	100	DF L	1		18.5	88	93	33.6	18.01	54.0	1,112	4,321	23	9
	0003	60	100	DF L	1		30.0	87	125	33.6	6.85	20.5	1,472	7,463	31	16
0110		100			3		23.3	88	107	100.8	33.97	101.9	3,981	18,166	83	38
0112	0001	60	100	IC L	1		27.0	83	105	33.6	8.45	25.4	1,148	4,734	24	10
	0002	60	100	IC L	1		32.0	82	115	33.6	6.02	18.1	1,289	5,536	27	12
	0003	60	100	DF L	1		20.0	89	112	33.6	15.41	46.2	1,344	6,162	28	13
	0004	60	100	DF L	1		22.5	89	110	33.6	12.17	36.5	1,328	6,330	28	13
	0005	60	100	DF L	1		23.5	89	112	33.6	11.16	33.5	1,344	6,360	28	13
	0006	60	100	DF T	1		13.0	89	85	33.6	36.46	72.9	1,056	4,740	22	10
0112		100			6		20.3	88	100	201.7	89.67	232.5	7,510	33,863	156	71
0114	0001	60	100	DF L	1		18.0	87	87	33.6	19.02	38.0	1,062	3,994	22	8
	0002	60	100	DF L	1		17.5	88	86	33.6	20.12	40.2	1,123	4,226	23	9
	0003	60	100	DF L	1		23.5	87	95	33.6	11.16	33.5	1,200	5,021	25	10
0114		100			3		19.2	87	88	100.8	50.30	111.8	3,384	13,241	71	28
0116	0001	60	100	DF L	1		20.0	87	113	33.6	15.41	46.2	1,344	6,162	28	13
	0002	60	100	DF L	1		13.0	86	81	33.6	36.46	72.9	916	3,646	19	8
	0003	60	100	DF L	1		15.0	86	115	33.6	27.39	82.2	1,230	5,751	26	12
	0004	60	100	DF L	1		22.0	85	110	33.6	12.73	38.2	1,320	5,729	28	12

TC PLOTTREELIST					Plot Tree List - Volumes										Page 2	
					Project					3RDROCK					Date 9/26/2017	
TWP	RGE	SC	TRACT	TYPE	ACRES					PLOTS	TREES	CRUISED DATE				
032	005	07	WINDY	0001	125.00					60	135	7/1/2017				
Plot No.	Tree No.	Age	SI	SpP St	Trees Me.	Cl.	DBH	16' FF	Tot Ht.	BA /Ac.	Trees /Ac.	Logs /Ac.	Net CuFV/Ac.	Net BdFV/Ac.	Total CUNITS	MBF
0116	0005	60	100	DF L	1		19.0	86	113	33.6	17.07	51.2	1,289	5,633	27	12
	0006	60	100	GFL	1		24.0	85	116	33.6	10.70	32.1	1,435	6,312	30	13
0116		100			6		17.6	86	104	201.7	119.76	322.8	7,535	33,235	157	69
0117	0001	60	100	DFT		4	14.0	88	88	134.4	114.31	256.9	4,224	17,990	88	37
	100				4	14.7	88	88	134.4	114.31	256.9	4,224	17,990	88	37	
0118	0001	60	100	IC L	1		18.0	82	80	33.6	19.02	38.0	874	3,043	18	6
	0002	60	100	DF L	1		16.0	87	120	33.6	24.07	72.2	1,352	6,018	28	13
	0003	60	100	DF L	1		21.0	87	115	33.6	13.97	41.9	1,359	6,428	28	13
	0004	60	100	DF L	1		29.0	86	108	33.6	7.33	22.0	1,292	6,082	27	13
	0005	60	100	DF L	1		18.0	86	111	33.6	19.02	38.0	1,130	4,565	24	10
0118		100			5		19.2	86	107	168.1	83.41	212.2	6,008	26,135	125	54
0126	0001	60	100	DF L	1		13.5	81	75	33.6	33.81	67.6	908	2,367	19	5
	0002	60	100	DF L	1		16.0	89	94	33.6	24.07	24.1	772	3,611	16	8
0126		100			2		14.6	84	83	67.2	57.88	91.7	1,680	5,978	35	12
0128	0001	60	100	DF L	1		18.0	87	80	33.6	19.02	38.0	958	3,423	20	7
	100				1	18.0	87	80	33.6	19.02	38.0	958	3,423	20	7	
0129	0001	60	100	DF L		3	16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31
	100				3	16.4	88	92	100.8	68.54	156.9	3,473	15,053	72	31	
0130	0001	60	100	DF L	1		15.0	86	77	33.6	27.39	54.8	901	3,560	19	7
	0002	60	100	DF L	1		13.5	86	73	33.6	33.81	67.6	895	3,043	19	6
	0003	60	100	DF L	1		16.0	86	80	33.6	24.07	48.1	955	3,851	20	8
0130		100			3		14.7	86	76	100.8	85.27	170.5	2,751	10,455	57	22
0131	0001	60	100	DF L		5	16.0	88	92	168.1	114.23	261.5	5,788	25,089	121	52
	100				5	16.4	88	92	168.1	114.23	261.5	5,788	25,089	121	52	
0132	0001	60	100	GFL	1		19.0	89	101	33.6	17.07	51.2	1,207	4,950	25	10
	0002	60	100	GFL	1		20.0	89	104	33.6	15.41	46.2	1,267	5,546	26	12
	0003	60	100	DF L	1		11.0	86	73	33.6	50.93	101.9	847	3,565	18	7
	0004	60	100	DF L	1		16.5	86	84	33.6	22.63	45.3	1,080	4,074	22	8
0132		100			4		15.2	87	84	134.4	106.04	244.6	4,401	18,136	92	38
0136	0001	60	100	DFT	1		15.0	88	116	33.6	27.39	82.2	1,235	5,751	26	12
	0002	60	100	DF L	1		17.0	88	112	33.6	21.32	64.0	1,306	5,544	27	12
	0003	60	100	DF L	1		18.0	88	112	33.6	19.02	57.1	1,364	6,276	28	13
	0004	60	100	DF L	1		18.0	88	123	33.6	19.02	57.1	1,413	6,467	29	13
	0005	60	100	DF L	1		19.0	88	118	33.6	17.07	51.2	1,363	6,316	28	13
	0006	60	100	DF L	1		19.0	88	116	33.6	17.07	17.1	780	3,585	16	7
0136		100			6		17.5	88	116	201.7	120.89	328.5	7,462	33,939	155	71
0138	0001	60	100	DF L	1		19.0	90	114	33.6	17.07	51.2	1,385	6,316	29	13
	0002	60	100	DF L	1		22.0	90	117	33.6	12.73	38.2	1,420	6,621	30	14
	0003	60	100	DF L	1		22.0	90	126	33.6	12.73	38.2	1,518	7,003	32	15
	0004	60	100	DFT	1		16.0	90	119	33.6	24.07	72.2	1,325	6,018	28	13
	0005	60	100	DFT	1		15.0	90	116	33.6	27.39	82.2	1,347	6,299	28	13
	0006	60	100	DFT	1		17.0	90	99	33.6	21.32	64.0	1,202	5,117	25	11
	0007	60	100	GFL	1		27.0	85	148	33.6	8.45	33.8	1,725	8,453	36	18
	0008	60	100	DF L	1		17.0	90	112	33.6	21.32	64.0	1,306	5,544	27	12
	0009	60	100	DFT	1		19.0	90	111	33.6	17.07	51.2	1,370	6,145	29	13
	0010	60	100	IC L	1		29.0	82	50	33.6	7.33	7.3	691	879	14	2
	0011	60	100	DF L	1		16.0	88	110	33.6	24.07	72.2	1,234	5,536	26	12
	0012	60	100	DF L	1		16.0	88	103	33.6	24.07	72.2	1,193	5,296	25	11

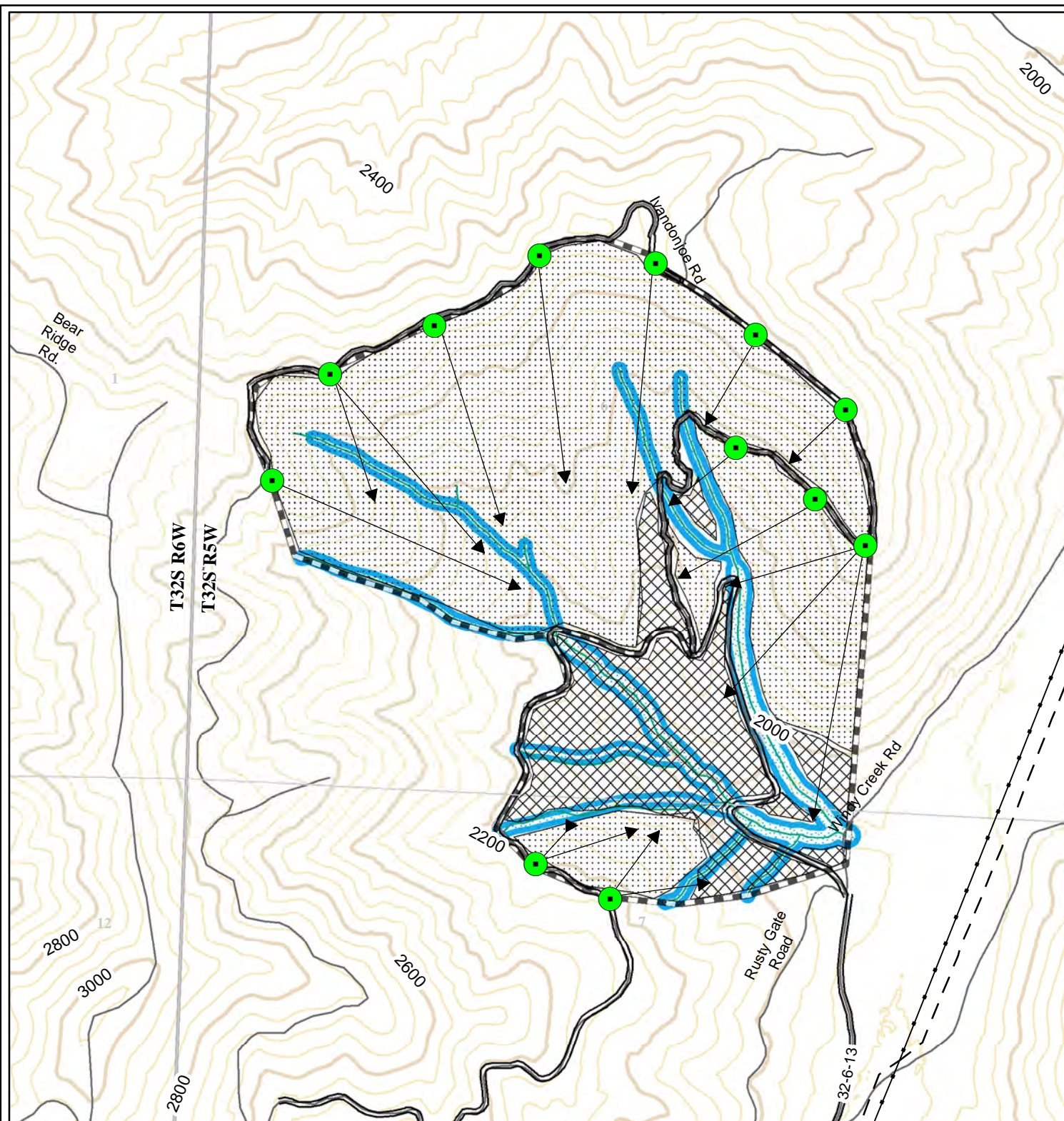
TC PLOTTREELIST					Plot Tree List - Volumes										Page	3
					Project 3RDROCK										Date	9/26/2017
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS		TREES		CRUISED DATE					
032	005	07	WINDY	0001	125.00		60		135		7/1/2017					
Plot No.	Tree No.	Age	SI	Spp St	Me.	Cl.	DBH	16' FF	Tot Ht.	BA /Ac.	Trees /Ac.	Logs /Ac.	Net CuFV/Ac.	Net BmFV/Ac.	CUNITS	MBF
0138			100		12		18.4	89	111	403.3	217.63	646.7	15,716	69,227	327	144
0139	0001	60	100	DF L		3	16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31
	0002	60	100	GF L	1		26.0	87	143	33.6	9.12	36.5	1,697	8,660	35	18
	0003	60	100	GF L	1		22.0	85	143	33.6	12.73	50.9	1,629	7,639	34	16
	0004	60	100	GF T	1		17.0	85	116	33.6	21.32	64.0	1,381	5,544	29	12
0139			100		3	3	18.2	87	107	201.7	111.71	308.3	8,180	36,896	170	77
1101	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
1101			100		4		16.4	88	92	134.4	91.39	209.2	4,630	20,071	96	42
1103	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
1103			100		4		16.4	88	92	134.4	91.39	209.2	4,630	20,071	96	42
1105	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L		1	16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10
1105			100		3		16.4	88	92	100.8	68.54	156.9	3,473	15,053	72	31
1107	0001	60	100	DF L		4	16.0	88	92	134.4	91.39	209.2	4,630	20,071	96	42
	0002	60	100	DF L		4	16.0	88	92	134.4	91.39	209.2	4,630	20,071	96	42
1107			100		8		16.4	88	92	268.8	182.78	418.4	9,261	40,142	193	84
1111	0001	60	100	DF L		3	16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31
	0002	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
1111			100		5		16.4	88	92	168.1	114.23	261.5	5,788	25,089	121	52
1113	0001	60	100	DF L		4	16.0	88	92	134.4	91.39	209.2	4,630	20,071	96	42
	0002	60	100	DF L		3	16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31
1113			100		7		16.4	88	92	235.3	159.93	366.1	8,103	35,124	169	73
1115	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L		1	16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10
	0003	60	100	IC L		1	23.0	77	81	33.6	10.84	23.6	965	3,258	20	7
1115			100		4		17.6	86	90	134.4	79.38	180.5	4,437	18,311	92	38
1119	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
1119			100		4		16.4	88	92	134.4	91.39	209.2	4,630	20,071	96	42
1120	0001	60	100	DF L		1	14.0	86	76	33.6	31.44	62.9	938	3,773	20	8
	0002	60	100	DF L		1	12.0	86	73	33.6	42.79	85.6	821	3,423	17	7
	0003	60	100	DF T		1	14.0	86	77	33.6	31.44	62.9	938	3,773	20	8
	0004	60	100	IC L		1	34.0	81	86	33.6	5.33	16.0	1,010	3,998	21	8
1120			100		4		14.9	86	76	134.4	111.00	227.3	3,707	14,967	77	31
1121	0001	60	100	DF L		3	16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31
	0002	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
1121			100		5		16.4	88	92	168.1	114.23	261.5	5,788	25,089	121	52
1122	0001	60	100	SP L		1	22.5	89	86	33.6	12.17	24.3	937	3,408	20	7
	0002	60	100	DF T		1	19.0	91	85	33.6	17.07	34.1	1,105	4,268	23	9
	0003	60	100	DF T		1	14.0	87	67	33.6	31.44	62.9	801	2,830	17	6
	0004	60	100	SP L		1	19.0	86	80	33.6	17.07	34.1	839	3,073	17	6
	0005	60	100	SP L		1	18.5	87	70	33.6	18.01	36.0	717	2,701	15	6
1122			100		5		17.9	88	76	168.1	95.76	191.5	4,400	16,279	92	34
1123	0001	60	100	DF T		2	14.0	88	88	67.2	57.15	128.4	2,112	8,995	44	19

TC PLOTTREELIST														Plot Tree List - Volumes			Page	4
														Project			Date	9/26/2017
TWP	RGE	SC	TRACT		TYPE		ACRES		PLOTS		TREES		CRUISED DATE					
032	005	07	WINDY		0001		125.00		60		135		7/1/2017					
Plot No.	Tree No.	Age	SI	Spp St	Trees Me.	Cl.	DBH	16' FF	Tot HL	BA /Ac.	Trees /Ac.	Logs /Ac.	Net CuFt/Ac.	Net BdFt/Ac.	Total CUNITS	MBF		
1123			100		2		14.7	88	88	67.2	57.15	128.4	2,112	8,995	44	19		
1124	0001	60	100	DF L	1		12.0	86	63	33.6	42.79	85.6	748	2,996	16	6		
	0002	60	100	DF L	1		18.0	89	93	33.6	19.02	38.0	1,143	5,135	24	11		
1124			100		2		14.1	87	72	67.2	61.81	123.6	1,891	8,131	39	17		
1125	0001	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10		
	0002	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10		
1125			100		2		16.4	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
1127	0001	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10		
	0002	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
1127			100		3		16.4	88	92	100.8	68.54	156.9	3,473	15,053	72	31		
1133	0001	60	100	DF L	3		16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31		
1133			100		3		16.4	88	92	100.8	68.54	156.9	3,473	15,053	72	31		
1134	0001	60	100	DF L														
1134											0.00							
1135	0001	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
	0002	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
	0003	60	100	IC L	1		30.0	80	102	33.6	6.85	20.5	1,111	4,245	23	9		
1135			100		1	4	17.7	87	93	168.1	98.23	229.8	5,742	24,316	120	51		
1137	0001	60	100	DF L	3		16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31		
	0002	60	100	DF L	3		16.0	88	92	100.8	68.54	156.9	3,473	15,053	72	31		
1137			100		6		16.4	88	92	201.7	137.08	313.8	6,945	30,106	145	63		
1140	0001	60	100	DF L	1		10.0	87	80	33.6	61.62	123.2	822	4,314	17	9		
	0002	60	100	DF T	1		14.0	87	100	33.6	31.44	62.9	1,092	4,402	23	9		
	0003	60	100	GF T	1		16.0	88	120	33.6	24.07	72.2	1,400	6,018	29	13		
	0004	60	100	DF L	1		17.0	88	104	33.6	21.32	64.0	1,253	5,544	26	12		
	0005	60	100	DF L	1		9.0	88	80	33.6	76.08	152.2	780	3,804	16	8		
	0006	60	100	DF L	1		12.0	87	100	33.6	42.79	85.6	1,098	4,707	23	10		
	0007	60	100	CQ T	1		12.0	87	60	33.6	42.79	85.6	791	2,996	16	6		
	0008	60	100	CQ L	1		8.0	87	60	33.6	96.29	96.3	641	3,851	13	8		
	0009	60	100	DF L	1		23.0	86	136	33.6	11.65	46.6	1,559	7,222	32	15		
	0010	60	100	DF T	1		19.0	86	120	33.6	17.07	51.2	985	4,438	21	9		
	0011	60	100	DF L	1		26.0	85	109	33.6	9.12	27.3	1,346	5,925	28	12		
1140			100		11		12.5	87	84	369.7	434.24	867.1	11,767	53,221	245	111		
1141	0001	60	100	GF L	1		20.0	87	108	33.6	15.22	43.4	1,398	6,243	29	13		
	0002	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10		
1141			100		2		18.0	88	98	67.2	38.06	95.7	2,556	11,261	53	23		
1142	0001	60	100	DF L	1		9.0	90	47	33.6	76.08	76.1	572	2,282	12	5		
	0002	60	100	DF L	1		18.0	86	119	33.6	19.02	57.1	1,365	5,706	28	12		
	0003	60	100	DF T	1		13.0	86	83	33.6	36.46	72.9	933	3,646	19	8		
	0004	60	100	DF L	1		17.0	86	106	33.6	21.32	64.0	1,146	4,904	24	10		
	0005	60	100	DF T	1		15.0	86	86	33.6	27.39	54.8	1,041	4,382	22	9		
1142			100		5		13.1	88	75	168.1	180.27	324.8	5,058	20,921	105	44		
1143	0001	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
	0002	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21		
	0003	60	100	IC L	1		18.0	61	58	33.6	19.02	38.0	614	1,331	13	3		
1143			100		1	4	16.7	83	86	168.1	110.41	247.3	5,245	21,402	109	45		
1144	0001	60	100	DF L	1		23.0	88	116	33.6	11.65	34.9	1,346	6,057	28	13		

TC PLOTTREELIST				Plot Tree List - Volumes										Page 5		
				Project		3RDROCK				Data		9/26/2017				
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS		TREES		CRUISED DATE				
032	005	07	WINDY	0001		125.00		60		135		7/1/2017				
Plot No.	Tree No.	Age	SI	Spp St	Trees Me.	16' Cl.	Tot DBH	FF	Ht.	BA /Ac.	Trees /Ac.	Logs /Ac.	Net CuFt/Ac.	Net BdFt/Ac.	CUNITS	MBF
1144	0002	60	100	DF L	1		22.0	87	106	33.6	12.73	38.2	1,257	5,729	26	12
	0003	60	100	GF T	1		16.0	87	104	33.6	24.07	72.2	1,279	5,296	27	11
	0004	60	100	IC L	1		20.0	79	86	33.6	15.41	30.8	959	2,927	20	6
1144			100		4		19.6	85	102	134.4	63.86	176.2	4,840	20,010	101	42
1145	0001	60	100	GF L	2		20.0	87	108	67.2	30.43	86.9	2,796	12,486	38	26
	0002	60	100	DF T	1		14.0	88	88	33.6	28.58	64.2	1,056	4,498	22	9
	0003	60	100	GF T	1		17.0	88	107	33.6	21.19	60.2	1,324	5,561	28	12
1145			100		4		17.5	88	101	134.4	80.20	211.2	5,177	22,544	108	47
1146	0001	60	100	DF T	1		16.0	88	88	33.6	24.07	48.1	1,108	4,574	23	10
	0002	60	100	DF L	1		15.5	88	80	33.6	25.65	51.3	1,018	4,104	21	9
	0003	60	100	DF L	1		19.0	88	92	33.6	17.07	34.1	1,151	4,780	24	10
1146			100		3		16.6	88	86	100.8	66.79	133.6	3,276	13,457	68	28
1147	0001	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF T	1		14.0	88	88	33.6	28.58	64.2	1,056	4,498	22	9
1147			100		3		15.8	88	90	100.8	74.27	168.8	3,371	14,533	70	30
1148	0001	60	100	DF L	1		23.0	92	108	33.6	11.65	34.9	1,338	6,523	28	14
	0002	60	100	GF T	1		16.5	92	105	33.6	22.63	67.9	1,358	5,885	28	12
	0003	60	100	DF L	1		25.0	89	112	33.6	9.86	29.6	1,378	6,409	29	13
	0004	60	100	GF T	1		17.0	89	106	33.6	21.32	64.0	1,345	5,544	28	12
1148			100		4		19.4	91	107	134.4	65.47	196.4	5,419	24,361	113	51
1149	0001	60	100	GF T	1		17.0	88	107	33.6	21.19	60.2	1,324	5,561	28	12
	0002	60	100	IC L	1		23.0	77	81	33.6	10.84	23.6	965	3,258	20	7
	0003	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10
1149			100		3		18.4	86	96	100.8	54.88	136.1	3,447	13,837	72	29
1150	0001	60	100	GF L	1		22.0	89	107	33.6	12.73	38.2	1,385	6,239	29	13
	0002	60	100	DF T	1		21.0	89	110	33.6	13.97	41.9	1,340	6,288	28	13
	0003	60	100	IC L	1		23.5	79	85	33.6	11.16	22.3	992	3,124	21	7
	0004	60	100	DF L	1		24.0	92	115	33.6	10.70	32.1	1,414	6,954	29	14
1150			100		4		22.5	87	105	134.4	48.56	134.5	5,131	22,605	107	47
1151	0001	60	100	DF L	2		16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10
	0003	60	100	GF T	1		17.0	88	107	33.6	21.19	60.2	1,324	5,561	28	12
	0004	60	100	GF L	2		20.0	87	108	67.2	30.43	86.9	2,796	12,486	38	26
1151			100		6		17.5	88	99	201.7	120.17	303.9	7,593	33,100	158	69
1152	0001	60	100	GF L	1		12.5	83	90	33.6	39.44	78.9	1,120	3,944	23	8
	0002	60	100	GF T	1		15.0	86	94	33.6	27.39	54.8	1,171	4,656	24	10
	0003	60	100	GF L	1		16.0	86	96	33.6	24.07	48.1	1,234	5,055	26	11
	0004	60	100	GF L	1		18.0	86	106	33.6	19.02	57.1	1,266	4,945	26	10
	0005	60	100	GF L	1		21.5	86	110	33.6	13.33	40.0	1,383	5,999	29	12
1152			100		5		15.8	85	97	168.1	123.25	278.8	6,174	24,599	129	51
1153	0001	60	100	GF T	3		17.0	88	107	100.8	63.58	180.5	3,973	16,683	83	35
	0002	60	100	DF L	1		16.0	88	92	33.6	22.85	52.3	1,158	5,018	24	10
1153			100		4		16.9	88	103	134.4	86.43	232.8	5,131	21,700	107	45
1154	0001	60	100	DF T	1		11.0	86	77	33.6	50.93	101.9	878	4,074	18	8
	0002	60	100	WHT	1		14.5	86	83	33.6	29.31	58.6	985	3,517	21	7
	0003	60	100	WHL	1		15.0	86	85	33.6	27.39	54.8	1,124	4,382	23	9
	0004	60	100	GF L	1		19.0	89	108	33.6	17.07	51.2	1,414	6,145	29	13
	0005	60	100	GF T	1		20.0	89	109	33.6	15.41	46.2	1,341	5,546	28	12



TC PLOTTREELIST					Plot Tree List - Volumes								Page	6		
					Project 3RDROCK								Date	9/26/2017		
TWP	RGE	SC	TRACT		TYPE		ACRES		PLOTS		TREES		CRUISED DATE			
032	005	07	WENDY		0001		125.00		60		135		7/1/2017			
Plot	Tree				Trees		16'	Tot	BA	Trees	Logs	Net	Net	Total		
No.	No.	Age	SI	Spp St	Me.	Cl.	DBH	FF	Ht.	/Ac.	/Ac.	/Ac.	CuFt/Ac.	BdFt/Ac.	CUNITS	MBF
1154			100		5		14.8	87	87	168.1	140.10	312.7	5,742	23,665	120	49
1155	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	WHT		1	14.0	86	83	33.6	29.31	58.6	985	3,517	21	7
	0003	60	100	GF T		1	17.0	88	107	33.6	21.19	60.2	1,324	5,561	28	12
1155			100			4	16.0	87	93	134.4	96.20	223.4	4,625	19,114	96	40
1156	0001	60	100	DF L		1	20.0	86	93	33.6	15.41	46.2	1,101	4,468	23	9
1156			100			1	20.0	86	93	33.6	15.41	46.2	1,101	4,468	23	9
1157	0001	60	100	GF L		2	20.0	87	108	67.2	30.43	86.9	2,796	12,486	58	26
	0002	60	100	WHL		3	14.0	86	85	100.8	82.16	164.3	3,372	13,146	70	27
1157			100			5	16.5	86	91	168.1	112.60	251.2	6,168	25,632	129	53
1158	0001	60	100	DF T		1	12.5	89	71	33.6	39.44	78.9	725	2,761	15	6
	0002	60	100	GF L		1	29.0	89	112	33.6	7.33	22.0	1,436	6,741	30	14
	0003	60	100	GF T		1	21.5	89	107	33.6	13.33	40.0	1,320	5,999	28	12
	0004	60	100	GF L		1	21.5	89	107	33.6	13.33	40.0	1,320	5,999	28	12
	0005	60	100	GF L		1	27.0	89	110	33.6	8.45	25.4	1,452	7,016	30	15
1158			100			5	19.4	89	90	168.1	81.88	206.2	6,254	28,516	130	59
1159	0001	60	100	DF L		2	16.0	88	92	67.2	45.69	104.6	2,315	10,035	48	21
	0002	60	100	GF T		3	17.0	88	107	100.8	63.58	180.5	3,973	16,683	83	35
1159			100			5	16.8	88	101	168.1	109.27	285.1	6,289	26,718	131	56
TYPE			100			135	120	16.5	92	142.8	95.69	221.6	4,928	21,061	6,160	2,633



## Legend

- |                |                   |
|----------------|-------------------|
| Sale Boundary  | <b>Harvesting</b> |
| Stream Buffers | Cable             |
| Main Roads     | Ground Based      |
| <b>Contour</b> | Landings          |
| 200ft indexes  | Corridors         |
| 50ft intervals |                   |

EXHIBIT "A" - LOGGING PLAN  
 Sale No. 341-18-93  
 Third Rock  
 Section 6 and 7, T32S, 5W, W.M.  
 Douglas County, Oregon  
 Regulated Use Area DG - 2  
 100% Board of Forestry Lands  
 Net Acres - 125



0 0.095 0.19 0.285  
 Miles

1:8,500 1 inch = 0.13 miles

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.