



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Quines Run #2
Sale 341-12-73

District: Southwest

Date: May 08, 2012

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$303,511.86	\$0.00	\$303,511.86
		Project Work:	\$(18,546.78)
		Advertised Value:	\$284,965.08



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timber description

Location: Portions of Section 36, T32S, R5W, W.M., Douglas County, Oregon.

Stand Stocking: 80%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	100

Volume by Grade	2S	3P	3S	4S	SM	Total
Douglas - Fir	557	7	596	253	45	1,458
Total	557	7	596	253	45	1,458



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comments: Pond Values Used: 1st Quarter Calendar Year 2012.

Combination Clear-Cut (27 Acres) and Thinning (113 Acres)

Grand Fir and Other Conifers Stumpage Price = Pond Value minus
Logging Cost
 $\$200/\text{MBF} = \$500/\text{MBF} - \$300/\text{MBF}$

Incense Cedar and Other Cedars Stumpage Price = Pond Value minus
Logging Cost
 $\$300/\text{MBF} = \$600/\text{MBF} - \$300/\text{MBF}$

Madrone and Other Hardwoods Stumpage Price = Pond Value minus
Logging Cost
 $\$40/\text{MBF} = \$340/\text{MBF} - \$300/\text{MBF}$

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/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 to be added):
Snag Creation:
20 snags x \$100 topping = \$2,000
20 snags x \$20 girdling = \$400
Snag Creation Total = \$2,400
BLM Surface Replacement Fee = \$1,397.97
TOTAL Other Costs (No Profit & Risk to be added) = \$3,797.97

Project Work: Appraised for Option 1 Road.



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logging conditions

combination#: 1 Douglas - Fir 100.00%
yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Medium Tower >40 - <70 **Process:** Manual Delimbing
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 4.0 **bd. ft / load:** 3,700
cost / mbf: \$233.79

machines: Log Loader (A)
Tower Yarder (Medium)

combination#: 2
yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Medium Tower >40 - <70 **Process:** Manual Delimbing
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 7.0 **bd. ft / load:** 4,800
cost / mbf: \$102.98

machines: Log Loader (A)
Tower Yarder (Medium)

combination#: 3
yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Track Skidder **Process:** Manual Delimbing
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 3.0 **bd. ft / load:** 3,700
cost / mbf: \$125.99

machines: Feller Buncher w/ Delimber



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District: Southwest

Date: May 08, 2012

logging costs

Operating Seasons:	1.00	Profit Risk:	10.00%
Project Costs:	\$18,546.78	Other Costs (P/R):	\$0.00
Slash Disposal:	\$0.00	Other Costs:	\$3,797.97

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	0.0	2.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$48.00	4.0	3.5



"STEWARDSHIP IN FORESTRY"

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Quines Run #2
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District: Southwest

Date: May 08, 2012

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$233.79	\$2.24	\$3.01	\$48.04	\$0.00	\$28.71	\$0.00	\$5.00	\$2.60	\$323.39

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$531.56	\$208.17	\$0.00



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Date: May 08, 2012

summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,458	\$208.17	\$303,511.86

Gross Timber Sale Value

Recovery: \$303,511.86

Prepared by: Chris Rudd

Phone: 541-471-4245

TIMBER SALE SUMMARY
Quines Run No. 2
No. 341-12-73

1. **Type of Sale:** Combination Thinning and Retention sale, recovery, sealed bid auction.
2. **Revenue Distribution:** 100% CSL, Douglas County.
3. **Sale Acreage:** For the sale, 140 net acres were used for the cruise expansion, including 113 acres of thinnable ground and 27 acres of Retention cut. There are 10 acres in the "non-required thinning" shown on the "Exhibit A" map, acres that may be outside the range of the logging equipment. These acres are not included in the 174 net acres, neither are 13 acres of riparian areas.
4. **Volume:**

SPECIES	3 PEELER	SP MILL	2 SAW	3 SAW	4 SAW	PULP	NET VOL (MBF)
Douglas-fir	7	45	557	596	253		1,458
Total	7	45	557	596	253	7	1,458

A small amount of cedar and pine will be removed from the sale from logging corridors roads and to clear safe felling patterns, but those species are reserved from cutting in the sale units.

5. **Cruise Data:** The standard error for the cruise was 5.65% for the take trees in the 6 units of the timber sale. The volume range is expected to be between 1,408 and 1,522 MBF for the sale area. See Cruise Report for details

6. **Timber Description:** Area III is an older stand of Douglas-fir. It's ring counts are shown at the table to the right along with Area IV. Trees in Area III between 22-33" DBH averaged 142 years old. The ring counts in the last inch of growth were high (23-55 rings). The four trees that were cored on Area IV averaged 77 years old. Areas I and II are 59 years old and area V is 51 years old.

Sale Area	Plot	Diam	Total Rings to DBH	Age	Rings per Inch	Rings last inch
3	1301	22	138	145	12.5	23
3	1304	25	96	103	7.68	19
3	2313	26	122	129	9.38	31
3	3302	33	176	183	10.7	55
3	3310	27	134	141	9.93	35
3	4310	22	135	142	12.3	51
4	1410	19	55	62	5.79	13
4	2403	19	74	81	7.79	11
4	3408	22	76	83	6.91	17
4	1407	19	74	81	7.79	13

7. **Topography and Logging Method:** Area II is the only cat loggable unit, with slopes of 0-20%. All other sale areas will need a cable yarder with a limited amount of shovel logging on the ridges. The cable units are up to about 50% slope with relatively short logging distances of about 500-800 feet at the most. North of Area III and IV, the slope runs a distance of 1000 feet or more beyond the units without a ridge to locate a tail tree. The logger should plan on brining in a cat for a tail hold. Area I and V are adjacent to private land where the best tail holds are located. ODF has not obtained permission to use tail trees on the neighboring private land.

8. **Access:** A license agreement with the BLM requiring fees must be signed by the Purchaser. Agreements with the private landowners are filed with ODF. Please see section 2120 of the contract.

Directions to sale: The northern part of the sale is off of Exit 86, Quines Creek Road. Take Quines Creek to a left on the 32-5-26 Bull Run Road. Follow this road approximately 1mile to the 32-5-26.2, (a right across a field and into the timber). A gate key is needed to drive through the gate, otherwise, it's a walk in. The southern portion or upper part of the sale is off of Quines Creek Road. Follow Quines Creek to the end, veering left uphill to the 32-5-35.3 Road .

9. Projects:

Project 1- Road Construction:	\$ 8,683.88 (Option 1)	or	\$ 7,728.43 (Option 2)
Project 2- Road Improvement:	\$ 4,548.90		
Gate Installation:	\$ 3,000.00		
Move In Costs:	\$ 2,314.00		

Total Project Credits:	\$18,546.78 (Option 1) or	\$17,591.43 (Option 2)
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10. Other Costs:

Road use fees: Check with BLM

Snag Creation: \$2,400 (\$100 per snag and \$20 per girdled tree)

Costs not accounted for in the appraisal are the responsibility of the Purchaser.

11. Slash Disposal:

Purchaser will pile slash on landings with an excavator or log loader. ODF will burn the piles.

PROJECT SUMMARY

Sale Name: Quines Run No. 2

NEW CONSTRUCTION

<u>Road Segment</u>			<u>Length</u>			<u>Cost</u>
A to B			0.054 miles	2+84	stations	\$922.39
C to D	Option 1		0.151 miles	7+97	stations	\$2,687.55
E to D	Option 2	\$1,732.20	0.057 miles	3+00	stations	
H to I			0.25 miles	13+35	stations	\$612.30
J to K			0.21 miles	10+70	stations	\$2,952.43
L to M			0.214 miles	11+25	stations	\$1,509.21
	SUBTOTALS		0.26 miles	0.00	stations	\$8,683.88

ROAD IMPROVEMENT

<u>Road Segment</u>			<u>Length</u>			<u>Cost</u>
I-1 to I-2			1.40 miles	73+93	stations	\$2,281.68
I-3 to I-4			0.85 miles	44+81	stations	\$5,267.22
	SUBTOTALS		miles		stations	\$7,548.90

ROAD CLOSURE

<u>Road Segment</u>			<u>Length</u>			<u>Cost</u>
	SUBTOTALS		0.00 miles	0.00	stations	\$0.00

MOVE IN

	Quantity	
D7	1	\$590.00
EXCAVATOR	1	\$945.00
GRADER	1	\$540.00
12 YRD.DUMP	1	\$119.00
FIRE EQUIPMENT	1	\$120.00
SUBTOTALS		\$2,314.00

Option 1	GRAND TOTAL ROAD PROJECTS	\$18,546.78
	(used for appraisal)	
Option 2		\$17,591.43

Note: If contractor selects Option 2, the project work will be reimbursed at the rate for option 2

Sale Name:	Quines Run No. 2	Length	const	2+84	sta	0.054	miles
Segment Name:	A-B		impr		sta		miles
CLEARING & GRUBBING							
0.26	acres	@		\$820.00	per acre	=	\$213.85
0	acres	@			per acre	=	\$0.00
0	acres	@			per acre	=	\$0.00
					Subtotal		\$213.85
EXCAVATION							
Common	<30	3 stat.	@	\$139.00	per/stat.	=	\$417.00
	>50				per/stat.	=	
Boulders		0 cy	@		per cy	=	\$0.00
	>50	0 cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	
	>50	0 cy	@		per cy	=	\$0.00
Rippable		0 cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Solid Rock		0 cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
ENDHAUL		0 cy	@		per cy	=	\$0.00
Landing const.		1	@	\$250.00	per/lbg	=	\$250.00
					Subtotal		\$667.00
CULVERTS							
			@		per/lf	=	
					Subtotal		
SURFACING							
Subgrade		cy of 4 "- 0"			per cy	=	
Turnouts		cy of 4 "- 0"			per cy	=	\$0.00
Landings		cy of 4 "- 0"			per cy	=	\$0.00
					Subtotal	=	
SPECIAL PROJECTS							
0.054	mi. grading		@	\$769.20	per/mi.	=	\$41.54
			@		per/struc.	=	
					Subtotal		\$41.54
				GRAND TOTAL	=		\$922.39

Sale Name:	Quines Run No. 2	Length	const	7+97	sta	0.151	miles
Segment Name:	C-D (Option #1)		impr		sta		miles
CLEARING & GRUBBING							
0.73	acres	@		\$980.00	per acre	=	\$715.40
0	0	@			per acre	=	\$0.00
0	0	@			per acre	=	\$0.00
					Subtotal		\$715.40
EXCAVATION							
Common <30	4	stat.	@	\$139.00	per/stat.	=	\$556.00
Common <50	4	stat.	@	\$200.00	per/stat.	=	\$800.00
Common >50		cy	@		per cy	=	\$0.00
		cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
ENDHAUL		cy	@		per cy	=	\$0.00
Landing const.	2	landings	@	\$250.00	per/ldg	=	\$500.00
					Subtotal		\$1,856.00
CULVERTS							
			@		per/lf	=	
			@		per/lf	=	
					Subtotal		\$0.00
SURFACING							
Subgrade		cy of 4 "- 0"	@		per/cy	=	
Turnouts		cy of 4 "- 0"	@		per/cy	=	
Landings		cy of 4 "- 0"	@		per/cy	=	
Culvert bedding		cy of 11/2"-0"	@		per/cy	=	
Fill armor		cy of 24"-6"	@		per/cy	=	
					Subtotal		\$0.00
SPECIAL PROJECTS							
0.151	mi. grading		@	\$769.20	per/mi.	=	\$116.15
					Subtotal		\$116.15
				GRAND TOTAL	=		\$2,687.55

Sale Name:	Quines Run No. 2	Length	const	3+00	sta	0.057	miles
Segment Name:	E-D (Option #2)		impr		sta		miles
CLEARING & GRUBBING							
0.28	acres	@		\$980.00	per acre	=	\$274.40
0	0	@			per acre	=	\$0.00
0	0	@			per acre	=	\$0.00
					Subtotal		\$274.40
EXCAVATION							
Common < 30	1	stat.	@	\$139.00	per/stat.	=	\$139.00
Common < 50	1	stat.	@	\$250.00	per/stat.	=	\$250.00
Common > 50	1.5	cy	@	\$350.00	per stat.	=	\$525.00
		cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
>50		cy	@		per cy	=	\$0.00
ENDHAUL		cy	@		per cy	=	\$0.00
Landing const.	2	landings	@	\$250.00	per/ldg	=	\$500.00
					Subtotal		\$1,414.00
CULVERTS							
			@		per/lf	=	
			@		per/lf	=	
					Subtotal		\$0.00
SURFACING							
Subgrade		cy of 4 "- 0"	@		per/cy	=	
Turnouts		cy of 4 "- 0"	@		per/cy	=	
Landings		cy of 4 "- 0"	@		per/cy	=	
Culvert bedding		cy of 11/2"-0"	@		per/cy	=	
Fill armor		cy of 24"-6"	@		per/cy	=	
					Subtotal		\$0.00
SPECIAL PROJECTS							
0.057	mi. grading		@	\$769.20	per/mi.	=	\$43.80
					Subtotal		\$43.80
				GRAND TOTAL	=		\$1,732.20

Sale Name:	Quines Run No. 2	Length	const		sta		miles
Segment Name:	H-I		impr	13+35	sta	0.25	miles
CLEARING & GRUBBING							
	acres	@			per acre	=	
	acres	@			per acre	=	
	acres	@			per acre	=	
					Subtotal		
EXCAVATION							
Common	<30	per/stat	@		per cy	=	\$0.00
	>50	0 cy	@		per cy	=	\$0.00
Boulders		0 cy	@		per cy	=	\$0.00
	>50	0 cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
ENDHAUL		0 cy	@		per cy	=	\$0.00
Landing const.		1 landing	@	\$250.00	per/ldg	=	\$250.00
					Subtotal		\$250.00
CULVERTS							
			@		per/lf	=	
			@		per/lf	=	
			@		per/lf	=	
					Subtotal		
SURFACING							
Subgrade		0 cy of 4 "- 0"			per cy	=	
Turnouts		0 cy of 4 "- 0"			per cy	=	
Landings		0 cy of 4 "- 0"			per cy	=	
Culvert bedding		cy of 11/2"-0"	@		per/cy	=	
Fill armor		cy of 24"-0"	@		per/cy	=	
					Subtotal		
SPECIAL PROJECTS							
	0.25 mi. grading		@	\$769.20	per/mi.	=	\$192.30
	2 ditchouts below P/L		@	\$35.00	per/unit	=	\$70.00
	restore drainage beyond Pt. H.		@	\$100.00	per/hr.	=	\$100.00
					Subtotal		\$362.30
				GRAND TOTAL	=		\$612.30

Sale Name:	Quines Run No. 2	Length	const	10+70	sta	0.21	miles
Segment Name:	J-K		impr		sta		miles
CLEARING & GRUBBING							
0.98	acres	@		\$820.00	per acre	=	\$803.60
0	acres	@			per acre	=	\$0.00
0	acres	@			per acre	=	\$0.00
					Subtotal		\$803.60
EXCAVATION							
Common	<30	10.7 Stat.	@	\$139.00	per/stat.	=	\$1,487.30
	>50	cy	@		per cy	=	\$0.00
Boulders		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Landing const.		2 landings	@	\$250.00	per/lbg.	=	\$500.00
					Subtotal		\$1,987.30
CULVERTS							
					per/lf	=	
					per/lf	=	
					Subtotal		
SURFACING							
Subgrade					per cy	=	
Turnouts					per cy	=	
Landings					per cy	=	
culvert bedding					per/cy	=	
Fill armor					per/cy	=	
					Subtotal		\$0.00
SPECIAL PROJECTS							
0.21	mi. grading		@	\$769.20	per/mi.	=	\$161.53
					Subtotal		\$161.53
				GRAND TOTAL	=		\$2,952.43

Sale Name:	Quines Run No. 2	Length	const	11+25	sta	0.214	miles
Segment Name:	L-M		impr		sta		miles
CLEARING & GRUBBING							
1.03	acres	@		\$820.00	per acre	=	\$844.60
0	acres	@			per acre	=	\$0.00
0	acres	@			per acre	=	\$0.00
					Subtotal		\$844.60
EXCAVATION							
Common	<30	cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Boulders		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Landing const.	2		@	\$250.00	per/ldg.	=	\$500.00
					Subtotal		\$500.00
CULVERTS							
			@		per/lf	=	\$0.00
					per/lf	=	
					Subtotal		\$0.00
SURFACING							
Subgrade					per cy	=	
Turnouts					per cy	=	
Landings					per cy	=	
culvert bedding					per/cy	=	
Fill armor					per/cy	=	
					Subtotal		
SPECIAL PROJECTS							
0.214	mi. grading		@	\$769.20	per/mi.	=	\$164.61
			@		per/stat.	=	
			@		per/hr.	=	
			@		per/hr.	=	
					Subtotal		\$164.61
				GRAND TOTAL	=		\$1,509.21

Sale Name:	Quines Run No. 2	Length	const		sta		miles
Segment Name:	I1-I2		impr	73+93	sta	1.40	miles
CLEARING & GRUBBING							
	acres	@			per acre	=	
	acres	@			per acre	=	
		@			per acre	=	\$0.00
					Subtotal		
EXCAVATION							
Common	<30	stat.			per/stat.	=	
	<50	stat.			per/stat.	=	
	>50	stat.			per/stat.	=	
Boulders		cy @			per cy	=	\$0.00
	>50	cy @			per cy	=	\$0.00
Loose		cy @			per cy	=	\$0.00
	>50	cy @			per cy	=	\$0.00
Rippable		cy @			per cy	=	\$0.00
	>50	cy @			per cy	=	\$0.00
Solid Rock		cy @			per cy	=	\$0.00
	>50	cy @			per cy	=	\$0.00
ENDHAUL		cy @			per cy	=	\$0.00
Landing const.		landings	@		per/ldg	=	
					Subtotal		
CULVERTS							
			@		per/lf	=	\$0.00
			@		per/lf	=	\$0.00
					Subtotal		\$0.00
SURFACING							
Pit Run	Surface rock 10	cy of 4 "- 0"	@	\$16.00	per/cy	=	\$160.00
Turnouts		cy of 4 "- 0"	@		per/cy	=	\$0.00
Landings		cy of 4 "- 0"	@		per/cy	=	\$0.00
Culvert bedding		cy of 11/2"-0"	@		per/cy	=	\$0.00
Rip Rap	10	cy of 24"-6"	@	\$16.00	per/cy	=	\$160.00
*	costs per/cy includes hauling costs from pit				Subtotal		\$320.00
SPECIAL PROJECTS							
1.4	mi grading		@	\$769.20	per/mi.	=	\$1,076.88
0.48	mi. road brushing		@	\$1,260.00	per/mi.	=	\$604.80
1.5	hrs. Excavator time		@	\$120.00	per/hr.	=	\$180.00
1	hr. grade and compact surface		@	\$100.00	per/hr.	=	\$100.00
					Subtotal		\$1,961.68
				GRAND TOTAL	=		\$2,281.68

Sale Name:	Quines Run No. 2	Length	const		sta		miles
Segment Name:	I3-I4		impr	44+81	sta	0.85	miles
CLEARING & GRUBBING							
	acres	@			per acre	=	
	acres	@			per acre	=	
	acres	@			per acre	=	
					Subtotal		
EXCAVATION							
Common	<30	2 stat.	@	\$139.00	per stat.	=	\$278.00
	>50	0 cy	@		per cy	=	\$0.00
Boulders		0 cy	@		per cy	=	\$0.00
	>50	0 cy	@		per cy	=	\$0.00
Loose		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Rippable		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
Solid Rock		cy	@		per cy	=	\$0.00
	>50	cy	@		per cy	=	\$0.00
ENDHAUL		0 cy	@		per cy	=	\$0.00
Landing const.		1 landing	@	\$250.00	per/lbg	=	\$250.00
					Subtotal		\$528.00
CULVERTS							
			@		per/lf	=	
			@		per/lf	=	
			@		per/lf	=	
					Subtotal		
SURFACING							
Subgrade		0 cy of 4 "- 0"			per cy	=	\$0.00
Turnouts		0 cy of 4 "- 0"			per cy	=	\$0.00
Landings		0 cy of 4 "- 0"			per cy	=	\$0.00
Culvert bedding		cy of 11/2"-0"	@		per/cy	=	
Fill armor		cy of 24"-0"	@		per/cy	=	
					Subtotal		
SPECIAL PROJECTS							
	0.85 mi. grading		@	\$769.20	per/mi.	=	\$653.82
	0.29 mi. brushing		@	\$1,260.00	per/mi.	=	\$365.40
	6 hrs. excavator time		@	\$120.00	per/hr.	=	\$720.00
	1 install gate		@	\$3,000.00	per/unit	=	\$3,000.00
					Subtotal		\$4,739.22
				GRAND TOTAL	=		\$5,267.22

TC PSTATS				PROJECT STATISTICS				PAGE 1					
				PROJECT		QUINES2		DATE 9/14/2011					
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt				
32S	05	36	QUINES	0001	46 52.00	29	166	S	W				
				TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES							
				PLOTS	TREES								
TOTAL				29	166	5.7							
CRUISE				10	57	5.7	12,572	.5					
DBH COUNT REFOREST COUNT				19	109	5.7							
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-L				37	181.5	11.2	77	36	125.2	14,625	14,625	3,377	3,377
DOUG FIR-T				18	55.3	12.6	79	13	47.8	5,548	5,548	1,357	1,357
MADRONE-L				1	4.6	15.0	32		5.7	232	232	107	107
INC CED-T				1	.3	27.0	100		1.1	120	120	40	40
TOTAL				57	241.8	11.7	77		179.8	20,525	20,525	4,880	4,880
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		327.7	53.8	154	334	513							
DOUG FIR-T		69.1	16.8	111	134	156							
MADRONE-L													
INC CED-T													
TOTAL		330.8	43.8	150	267	384			4,371	1,093	486		
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		299.0	49.1	35	68	102							
DOUG FIR-T		70.5	17.1	27	33	38							
MADRONE-L													
INC CED-T													
TOTAL		287.7	38.1	36	58	80			3,305	826	367		
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	9.1	165	182	198							
DOUG FIR-T		97.1	18.3	45	55	65							
MADRONE-L		312.7	59.0	2	5	7							
INC CED-T		538.5	101.7		0	1							
TOTAL		42.6	8.0	222	242	261			75	19	8		
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		38.8	7.3	116	125	134							
DOUG FIR-T		85.7	16.2	40	48	56							
MADRONE-L		312.7	59.0	2	6	9							
INC CED-T		538.5	101.7		1	2							
TOTAL		34.2	6.5	168	180	191			48	12	5		
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		38.3	7.2	13,569	14,625	15,681							
DOUG FIR-T		85.1	16.1	4,656	5,548	6,439							
MADRONE-L		312.7	59.0	95	232	369							
INC CED-T		538.5	101.7		120	242							

TC PSTATS			PROJECT STATISTICS						PAGE	2
			PROJECT OUINES2						DATE	9/14/2011
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	05	36	QUINES	0001	52.00	29	166	S	W	
CL	68.1		COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL			34.6	6.5	19,183	20,525	21,866	50	12	6
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			38.8	7.3	3,129	3,377	3,624			
DOUG FIR-T			85.2	16.1	1,139	1,357	1,575			
MADRONE-L			312.7	59.0	44	107	171			
INC CED-T			538.5	101.7		40	80			
TOTAL			35.6	6.7	4,553	4,880	5,208	52	13	6

Quines Run No. 2
Volume by Area and Total Sale Volume

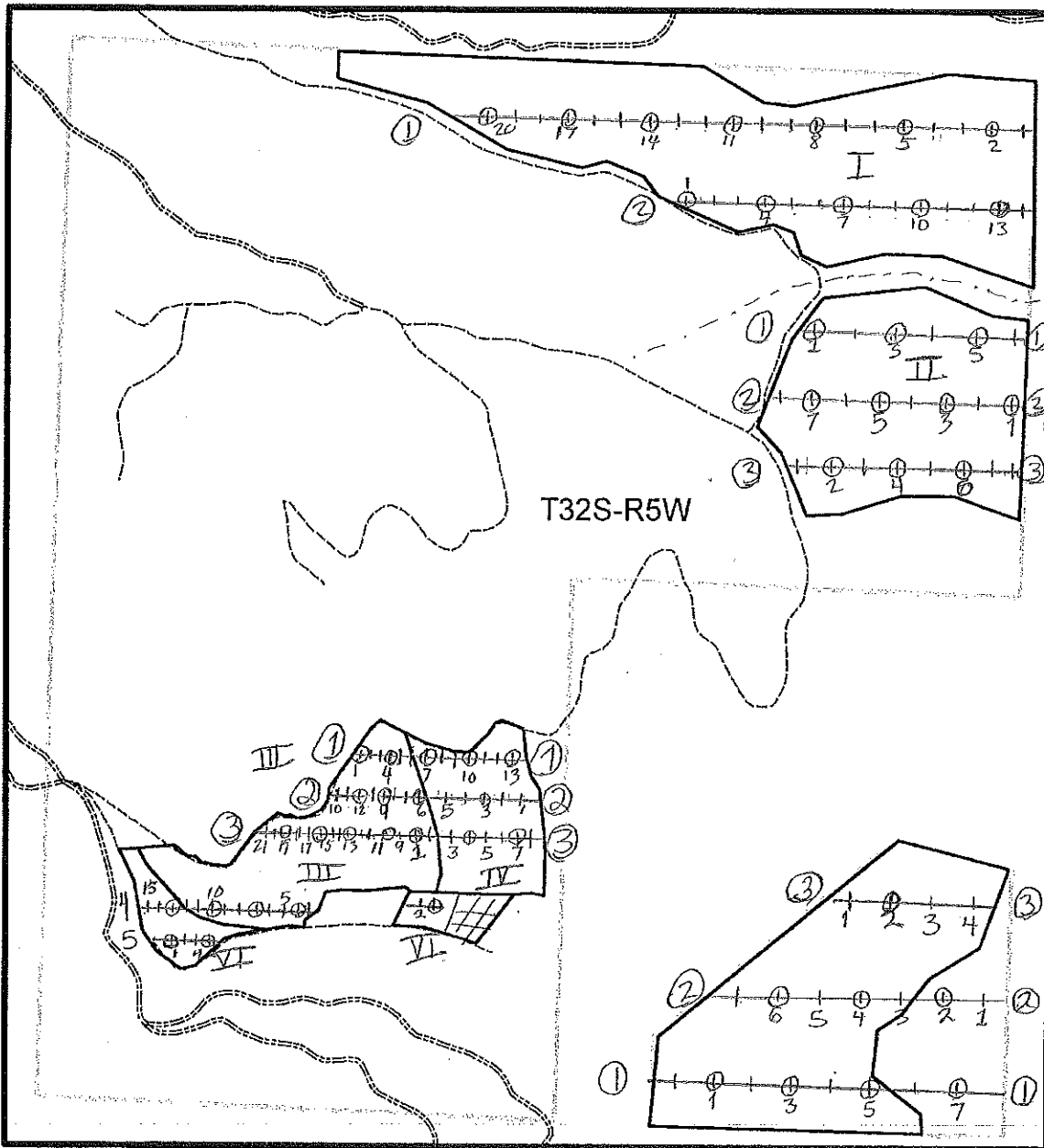
CRUISED VOLUME BF/Acre (Net Volume After Field Cull)							
		3P	SM	2 Saw	3 Saw	4 Saw	Net Volume per Acre
Area I	Douglas-fir			265	3,212	2,070	5,547
Area II	Douglas-fir			293	829	299	1,421
Area III	Douglas-fir	498	3,261	27,666	16,339	3,772	51,536
Area IV	Douglas-fir			15,714	18,936	1,820	36,470
Area V	Douglas-fir			334	839	2,696	3,869
Area VI	Douglas-fir			1,937	5,331	1,669	8,937

CRUISED VOLUME (Volume by Grade Board Feet)								
Volume Reduced for Hidden Cull and Breakage								
		3P	SM	2 Saw	3 Saw	4 Saw	Volume Reduction	Acres Total Volume
Area I	Douglas-fir	0	0	11,215	135,932	87,602	8%	46 234,749
Area II	Douglas-fir	0	0	7,794	22,051	7,953	5%	28 37,799
Area III	Douglas-fir	6,942	45,458	385,664	227,766	52,582	18%	17 718,412
Area IV	Douglas-fir	0	0	133,569	160,956	15,470	15%	10 309,995
Area V	Douglas-fir	0	0	10,107	25,388	81,581	11%	34 117,076
Area VI	Douglas-fir	0	0	8,620	23,723	7,427	11%	5 39,770

TOTAL SALE VOLUME by Species (Board Feet)							Acres	Total Volume
	3P	SM	2 Saw	3 Saw	4 Saw			
Douglas-fir	6,942	45,458	556,968	595,816	252,615		140	1,457,800
Conifer	6,942	45,458	556,968	595,816	252,615			1,457,800
Hardwood	0	0	0	0	0			0
Sale Volume	6,942	45,458	556,968	595,816	252,615			1,457,800

VOLUME PERCENTAGE by Grade							Adjusted Sale Volume
	3P	SM	2 Saw	3 Saw	4 Saw		
Douglas-fir	0.5%	3.1%	38.2%	40.9%	17.3%	0.0%	100.0%

Quines Run No. 2 Cruise Map



Legend	
	QuinesRunCruiseBound
	Ownership_SWO_Fund
FUND	
	51
	52

Quines Run No. 2
341-12-73

T32S R5W S31, 36

Sept. 2nd, 2011



0 250 500 1,000
Feet

1:10,000

ODF, Grants Pass Unit

OREGON DEPARTMENT of FORESTRY
CRUISE REPORT

SALE NAME: Quines Run No. 2

SALE NUMBER: 341-12-073

1. **Acreage Calculation:** There are 140 net cruise acres in the sale area determined by a combination of GPS points and ArcMap 9.3 GIS software. There were 13 acres of riparian areas netted out of the cruise acreage and approximately 10 acres removed from Area V that is non-thinnable.
2. **Cruise Method:** Quines Run No. 2 was cruised by ODF in August and September of 2011. A variable plot cruise was conducted on each strata I-VI based on the size of the timber and cutting prescription. Since Area VI was marked as a thinning adjacent to the two clearcut units, it was separated into a unique strata. See the hand drawn maps for plot locations. Areas I-III had a count and measure plot on every other plot. Areas III and IV had two counts for every measure plot.
3. **RIGHT of WAY VOLUMES:** No new timber will be removed from roads in Area I and V. New roads in areas II, III, and IV have a similar volume to the surrounding acreage. Since the acreage was relatively low, the ROW volume was calculated based on the average volume per acre of take trees in the stand.
4. **Group Selection Areas:** Area VI is a thinning area with take trees marked in blue paint.
5. **Sampling Intensity:**

CV (BA)	51% (DF)
SE	5.6% (Take Trees)
# Plots	51 Full Measure plots and 128 Total Plots

*All volumes are reported at the 68% confidence level according to ODF standards. The average conifer volume of take trees was 10.5 MBF per acre for 140 acres (total volume 1,458 MBF), and the cruise would indicate 68% confidence that the measured volume of take trees lies between 1,376 MBF and 1,540 MBF.

6. **Form Factors:** Form factors (a ratio of diameter at 4 and 16 feet) were measured for all take trees and measured or estimated on non-candidate measure trees.
7. **Height Standards:** Most conifer trees were measured for total height with a laser rangefinder. Hardwoods were measured to a 6 or 10" top.
8. **Diameter standards:** Diameters were measured outside bark at breast height to the nearest inch.
9. **Grading System:** All trees were graded using 34 and 40 foot segments. Segments under 20" (large end) were recorded as 34 foot logs and over 20" were recorded as 40 foot logs.
10. **Merchantable top:** Conifer were cruised (graded) to a 5 or 6 inch merchantable top (Outside bark.)
11. **Computation Procedures:** Volume was computed using the SuperAce cruise program.
12. **Deductions for Cull, Defect and Breakage:** Area III and IV cruised out at a significantly higher volume than the inventory (75 MBF versus 54 MBF for Area III and 49 versus 29 MBF for Area IV). ODF reduced the cruise in Areas III and IV by 16% and 26% respectively to arrive at the gross volume to better match the inventory. Additional cull and breakage were removed from the cruise volume tables see "Volume Reduction" column. Area III was reduced by 18% which is typical of conk found in timber that is 142 years old. Field cull was relatively small in the other areas of the sale.
13. **Cruisers:** The sale was cruised by Chris Rudd and Paul Moreno.

*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

3-14-2012
Date

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page		1			
				Project: QUINES2										Date		9/14/2011			
														Time		3:04:10PM			
T32S R05W S36 T0001														T32S R05W S36 T0001					
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt	
32S		05W		36		QUINES		0001		46 32.00		29		57		S		W	

TC TSINDSUM				Stand Table Summary												
Project QUINES2																
T32S R05W S36 T0001													T32S R05W S36 T0001			
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1								
32S	05W	36	QUINES	0001	46.00	29	57	Date:	11/22/20							
								Time:	1:25:30PM							
S Spec	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF	
DF	L	8	2	83	67	19.383	6.77	19.38	7.4	30.0	4.09	143	582	188	66	27
DF	L	9	9	84	67	68.919	30.45	68.92	8.7	37.8	17.00	597	2,604	782	274	120
DF	L	10	6	85	72	37.216	20.30	49.62	8.1	35.0	11.41	400	1,737	525	184	80
DF	L	11	3	85	80	15.379	10.15	30.76	8.6	38.3	7.50	263	1,179	345	121	54
DF	L	12	2	84	106	8.615	6.77	17.23	13.1	52.5	6.43	226	905	296	104	42
DF	L	13	1	83	118	3.670	3.38	7.34	17.1	65.0	3.57	125	477	164	58	22
DF	L	14	2	84	104	6.329	6.77	15.82	14.7	62.0	6.61	232	981	304	107	45
DF	L	15	2	83	79	5.513	6.77	5.51	19.1	80.0	2.99	105	441	138	48	20
DF	L	16	4	86	100	9.692	13.53	26.65	17.4	73.6	13.23	464	1,963	608	213	90
DF	L	17	1	86	110	2.146	3.38	6.44	19.4	80.0	3.57	125	515	164	58	24
DF	L	18	1	86	114	1.914	3.38	5.74	23.3	96.7	3.81	134	555	175	61	26
DF	L	23	1	80	124	1.173	3.38	3.52	37.4	156.7	3.75	132	551	172	61	25
DF	L	25	1	83	120	.992	3.38	3.97	34.2	160.0	3.87	136	635	178	62	29
DF	L	37	1	84	126	.453	3.38	1.36	108.5	523.3	4.20	148	711	193	68	33
DF	L	72	1	86	120	.120	3.38	.36	410.7	2208.0	4.20	147	790	193	68	36
DF		Totals	37	84	77	181.515	125.17	262.63	12.9	55.7	96.23	3,377	14,625	4,427	1,553	673
DF	T	9	2	85	69	12.020	5.31	12.02	9.3	40.0	3.20	112	481	147	52	22
DF	T	10	1	87	70	4.868	2.66	9.74	5.9	25.0	1.65	58	243	76	27	11
DF	T	11	1	86	80	4.023	2.66	8.05	8.4	35.0	1.93	68	282	89	31	13
DF	T	12	5	84	77	16.903	13.28	30.43	11.3	44.4	9.79	343	1,352	450	158	62
DF	T	13	1	83	82	2.881	2.66	2.88	20.3	70.0	1.67	59	202	77	27	9
DF	T	14	1	84	82	2.484	2.66	4.97	14.9	65.0	2.11	74	323	97	34	15
DF	T	15	1	85	84	2.164	2.66	4.33	18.2	75.0	2.24	79	325	103	36	15
DF	T	16	3	87	105	5.705	7.97	17.11	16.8	73.3	8.17	287	1,255	376	132	58
DF	T	17	1	85	80	1.684	2.66	3.37	20.5	85.0	1.97	69	286	90	32	13
DF	T	18	1	83	110	1.503	2.66	4.51	22.5	86.7	2.89	102	391	133	47	18
DF	T	21	1	82	118	1.104	2.66	3.31	32.2	123.3	3.04	107	408	140	49	19
DF		Totals	18	85	80	55.339	47.79	100.71	13.5	55.1	38.67	1,357	5,548	1,779	624	255
MA	L	15	1	76	49	4.636	5.69	4.64	23.2	50.0	2.68	107	232	124	49	11
MA		Totals	1	76	49	4.636	5.69	4.64	23.2	50.0	2.68	107	232	124	49	11
IC	T	27	1	75	100	.286	1.14	.86	46.2	140.0	.89	40	120	41	18	6
IC		Totals	1	75	100	.286	1.14	.86	46.2	140.0	0.89	40	120	41	18	6
Totals			57	84	77	241.776	179.79	368.83	13.2	55.6	138.48	4880	20,525	6,370	2,245	944

Log Stock Table - MBF

T32S R05W S36 Ty0001

52.00

Project:

QUINES2

Acres

46 52.00

Page. 1

Date 9/14/2011

Time 3:04:11PM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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	32	43		43	5.6						19		24				
DF	L	DO 2M	40	28		28	3.7										28		
DF	L	DO 3M	24	21		21	2.8				13		9						
DF	L	DO 3M	32	116		116	15.3			16	37		35		17		11		
DF	L	DO 3M	40	143		143	18.8			16	37		58	20		12			
DF	L	DO 4M	16	4		4	.5				4								
DF	L	DO 4M	17	5		5	.7		5										
DF	L	DO 4M	18	14		14	1.8		14										
DF	L	DO 4M	21	2		2	.3		2										
DF	L	DO 4M	22	31		31	4.1		7	19		4							
DF	L	DO 4M	24	104		104	13.6		9	63	30			2					
DF	L	DO 4M	25	8		8	1.0		8										
DF	L	DO 4M	30	15		15	2.0		15										
DF	L	DO 4M	31	27		27	3.5		27										
DF	L	DO 4M	32	28		28	3.6		12	16									
DF	L	DO 4M	34	9		9	1.2					9							
DF	L	DO 4M	35	16		16	2.1		16										
DF	L	DO 4M	36	16		16	2.1		16										
DF	L	DO 4M	37	48		48	6.3		48										
DF	L	DO 4M	38	57		57	7.5		57										
DF	L	DO 4M	40	27		27	3.5		27										
DF		Totals		760		760	71.3		262	130	108		119	20	26	34	24	11	28
DF	T	DO 2M	40	14		14	4.8						14						
DF	T	DO 3M	22	4		4	1.4				4								
DF	T	DO 3M	24	14		14	4.8		2				12						
DF	T	DO 3M	28	7		7	2.6		2				6						
DF	T	DO 3M	32	70		70	24.3			6	25		40						
DF	T	DO 3M	40	72		72	24.8			25			47						
DF	T	DO 4M	12	2		2	.7		2										
DF	T	DO 4M	14	1		1	.3		1										
DF	T	DO 4M	15	2		2	.7		2										
DF	T	DO 4M	16	3		3	.9				3								
DF	T	DO 4M	18	4		4	1.2		4										
DF	T	DO 4M	20	2		2	.7		2										
DF	T	DO 4M	21	8		8	2.6			8									
DF	T	DO 4M	22	5		5	1.8		5										

TC FLOGSTVB				Log Stock Table - MBF																
T32S R05W S36 Ty0001				52.00		Project: QUINES2		Page 2		Date 9/14/2011		Time 3:04:11PM								
				Acres		52.00														
Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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	4M	23	11		11	3.7		4	7									
DF	T	DO	4M	24	15		15	5.2			4	11								
DF	T	DO	4M	26	5		5	1.8		5										
DF	T	DO	4M	31	3		3	1.2		3										
DF	T	DO	4M	32	10		10	3.6				10								
DF	T	DO	4M	35	7		7	2.4		7										
DF	T	DO	4M	36	5		5	1.8		5										
DF	T	DO	4M	37	13		13	4.3		13										
DF	T	DO	4M	40	13		13	4.3		13										
DF		Totals			288		288	27.0		69	49	53	104	14						
MA	L	DO	4M	31	12		12	100.0			12									
MA		Totals			12		12	1.1			12									
IC	T	DO	3M	40	6		6	100.0			1				5					
IC		Totals			6		6	.6			1				5					
Total		All Species			1,067		1,067	100.0		331	192	161	222	34	31	34		24	11	28

TC TreeList				Plot Tree List												Page	1			
				Project												Date	09/14/2011			
				QUINES2																
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt		BdFt										
32S	05W	36	QUINES	0001	52.00	29	57	S	W											
Tree			C			T	BoleTot	BfCf	BfCf	BfCf	BfCf	BfCf								
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	
1001	0001	B11	DF		T	2														
1002	0001	B11	DF		L	1	37.0	4	85	0	126	126		D232	D340		D4--			
1002	0002	B11	DF		T	1	16.0	4	87	0	102	102		D332	D332		D4--			
1002	0003	B11	DF		L	1	16.0	4	86	0	96	96		D324	D4--					
1002	0004	B11	MA		L	1	15.0	4		H	32			D4--						
1003	0002	B11	DF		T	1														
1003	0003	B11	DF		L	5														
1004	0002	B11	DF		T	1														
1004	0003	B11	DF		L	5														
1005	0001	B11	DF		L	1	16.0	4	87	0	92	92		D340	D4--					
1005	0002	B11	DF		T	1	11.0	4	87	0	80	80		D340	D4--					
1005	0003	B11	DF		L	1	10.0	4	86	0	76	76		D440						
1005	0004	B11	DF		T	1	9.0	4	87	0	70	70		D440						
1005	0005	B11	DF		T	1	12.0	4	78	H	24			D4--						
1006	0002	B11	DF		L	3														
1007	0002	B11	DF		T	3														
1008	0001	B11	DF		L	1	14.0	4	87	0	98	98		D340	D4--					
1008	0002	B11	DF		T	1	12.0	4	89	0	84	84		D332	D4--					
1008	0003	B11	DF		L	1	11.0	4	86	0	76	76		D432	D4--					
1008	0004	B11	DF		T	1	12.0	4	86	0	80	80		D332	D4--					
1008	0005	B11	DF		L	1	11.0	4	85	0	78	78		D332	D4--					
1008	0006	B11	IC		T	1	27.0	4	76	0	100	100		D340	D340					
1009	0001	B11	DF		L	5														
1011	0002	B11	DF		T	1	15.0	4	86	0	84	84		D332	D4--					
1011	0003	B11	DF		L	1	15.0	4	87	0	90	90		D332	D4--					
1011	0004	B11	DF		L	1	10.0	4	86	0	70	70		D440						
1011	0005	B11	DF		L	1	16.0	4	89	0	104	104		D332	D4--					
1011	0006	B11	DF		L	1	9.0	4	86	0	64	64		D440						
1012	0001	B11	GF		L	1														
1012	0002	B11	DF		L	5														
1012	0003	B11	MA		L	2														
1013	0001	B11	DF		L	3														
2001	0001	B11	DF		T	2														
2001	0002	B11	DF		L	4														
2001	0003	B11	GF		L	1														
2001	0004	B11	WH		L	1														
2002	0001	B11	DF		L	1	9.0	4	85	0	69	69		D4--						

TC TreeList				Plot Tree List												Page	2		
				Project												Date	09/14/2011		
				QUINES2															
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt	BdFt										
32S	05W	36	QUINES	0001	52.00	29	57	S	W										
Tree	C	T	BoleTot	BfCf	BfCf	BfCf	BfCf	BfCf											
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	
2002	0002	B11	DF	L	1		8.0	4	83	0	65	65		D4--					
2002	0003	B11	DF	L	1		9.0	4	86	0	68	68		D4--					
2002	0004	B11	DF	T	1		10.0	4	87	0	70	70		D4--					
2002	0005	B11	DF	T	1		14.0	4	85	0	82	82		D324	D4--				
2002	0006	B11	DF	L	1		10.0	4	86	0	72	72		D4--					
2002	0007	B11	DF	L	1		8.0	4	83	0	68	68		D4--					
2002	0008	B11	DF	T	1		9.0	4	84	0	68	68		D4--					
2003	0001	B11	DF	T	2														
2003	0002	B11	DF	L	5														
2004	0001	B11	DF	L	4														
2004	0002	B11	IC	L	4														
2005	0001	B11	DF	L	1		9.0	4	83	0	69	69		D440					
2005	0002	B11	DF	T	1		17.0	4	86	0	80	80		D332	D416				
2005	0003	B11	DF	L	1		25.0	4	83	0	120	120		D232	D324	D4--			
2005	0004	B11	DF	L	1		9.0	4	85	0	65	65		D440					
2005	0005	B11	DF	L	1		9.0	4	85	0	67	67		D440					
2005	0006	B11	DF	L	1		9.0	4	83	0	64	64		D440					
2006	0001	B11	DF	L	5														
2006	0002	B11	GF	L	1														
2006	0003	B11	DF	T	1														
2007	0001	B11	DF	T	4														
2007	0002	B11	DF	L	5														
2008	0001	B11	DF	L	1		72.0	4	87	0	120	120		D240	D332	D424			
2008	0002	B11	DF	L	1		9.0	4	86	0	69	69		D424					
2008	0003	B11	DF	L	1		10.0	4	86	0	69	69		D424					
2009	0001	B11	DF	T	2														
2009	0002	B11	DF	L	5														
2010	0001	B11	DF	T	1														
2010	0002	B11	DF	L	5														
2011	0001	B11	DF	L	1		10.0	4	85	0	72	72		D424					
2011	0002	B11	DF	T	1		16.0	4	89	0	109	109		D340	D424	D4--			
2011	0003	B11	DF	L	1		16.0	4	83	0	108	108		D340	D416	D4--			
2011	0004	B11	DF	L	1		18.0	4	87	0	114	114		D340	D332	D4--			
2011	0005	B11	DF	L	1		17.0	4	86	0	110	110		D340	D424	D4--			
2011	0006	B11	DF	T	1		16.0	4	86	0	104	104		D340	D424	D4--			
2011	0007	B11	DF	T	1		13.0	4	83	0	82	82		D432					
2012	0001	B11	DF	T	1														
2012	0002	B11	DF	L	4														
2012	0003	B11	MA	L	2														
2013	0001	B11	DF	T	4														
2013	0002	B11	DF	L	5														

TC TreeList													Plot Tree List													Page	3	
													Project													Date	09/14/2011	
													QUINES2															
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt	BdFt																			
32S	05W	36	QUINES	0001	52.00	29	57	S	W																			
Tree													C		T BoleTot		BfCf		BfCf		BfCf		BfCf		BfCf			
Plot	No	PF	A	Spe	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP				
2014	0001	B11	DF	L	1		12.0	4	86	0	106	106		D340	D4--													
2014	0002	B11	DF	L	1		23.0	4	81	0	124	124		D332	D4--													
2014	0003	B11	DF	L	1		13.0	4	83	0	110	110		D340	D4--													
2014	0004	B11	DF	T	1		21.0	4	83	0	118	118		D240	D3--													
2014	0005	B11	DF	L	1		9.0	4	86	0	70	70		D424														
2014	0006	B11	DF	L	1		12.0	4	83	0	106	106		D332	D4--													
2014	0007	B11	DF	T	1		18.0	4	83	0	110	110		D340	D3--													
2015	0001	B11	DF	L	3																							
2016	0001	B11	DF	L	2																							
2017	0001	B11	DF	T	1		12.0	4	83	0	87	87		D340	D4--													
2017	0002	B11	DF	L	1		10.0	4	85	0	70	70		D424	D4--													
2017	0003	B11	DF	L	1		14.0	4	83	0	110	110		D332	D4--													
2017	0004	B11	DF	T	1		12.0	4	86	0	86	86		D424	D4--													
2017	0005	B11	DF	L	1		15.0	4	80	0	68	68		D0--														
2017	0006	B11	DF	L	1		11.0	4	85	0	86	86		D424	D4--													

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT OUNES2				DATE 8/30/2011		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
32S	05W	36	OUNES	0002	26 38.00	21	76	S	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		21	76	3.6						
CRUISE		11	44	4.0	3,422	1.3				
DBH COUNT										
REFOREST										
COUNT		10	32	3.2						
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		38	102.3	13.3	77	27	99.2	9,897	9,897	2,678
DOUG FIR-T		4	8.1	17.0	89	3	12.8	1,422	1,422	400
INC CED-L		2	3.6	18.0	66		6.4	560	560	153
TOTAL		44	114.1	13.8	77		118.4	11,879	11,879	3,230
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		52.8	8.6	120	131	142				
DOUG FIR-T		25.1	14.3	156	183	209				
INC CED-L		96.4	90.3	21	220	419				
TOTAL		54.8	8.2	128	140	151	120	30	13	
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		58.1	9.4	33	36	40				
DOUG FIR-T		27.5	15.7	43	51	60				
INC CED-L		85.0	79.6	12	57	103				
TOTAL		57.2	8.6	35	39	42	131	33	15	
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		74.8	16.7	85	102	119				
DOUG FIR-T		156.5	35.0	5	8	11				
INC CED-L		223.4	49.9	2	4	5				
TOTAL		67.3	15.0	97	114	131	190	48	21	
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		51.9	11.6	88	99	111				
DOUG FIR-T		154.8	34.6	8	13	17				
INC CED-L		211.2	47.2	3	6	9				
TOTAL		50.5	11.3	105	118	132	107	27	12	
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		51.4	11.5	8,759	9,897	11,035				
DOUG FIR-T		154.9	34.6	930	1,422	1,915				
INC CED-L		219.0	48.9	286	560	833				
TOTAL		51.1	11.4	10,521	11,879	13,237	110	27	12	
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		50.9	11.4	2,373	2,678	2,982				
DOUG FIR-T		154.8	34.6	261	400	538				
INC CED-L		214.4	47.9	79	153	226				

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	OUINES2			DATE	8/30/2011
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
32S	05W	36	OUINES	0002	28 39.00	21	76	S	W
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
TOTAL		51.3	11.5	2,860	3,230	3,600	110	28	12

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page		1					
				Project: QUINES2										Date		11/22/2011					
														Time		11:42:54AM					
S R05W S36 T0002										T32S R05W S36 T0002											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
32S	05W	36	QUINES 2BKUP	0002	28.00	21	44	S	W												
S So Gr				%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log			Logs	
Spp	T	rt	ad	Net	Def%	Gross	Net		Net MBF	Log Scale Dia.				Log Length				Ln	Bd		CF/
				BdFt						4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	Ft	Lf	Per
DF	L	DO	CU															20		0.00	1.0
DF	L	DO	2M	7		700	700	20				100				66	34	36	232	1.79	3.0
DF	L	DO	3M	64		6,409	6,409	179			88	12				100		34	91	0.73	70.1
DF	L	DO	4M	29		2,788	2,788	78		89	11			18	42	11	29	26	28	0.28	100.9
DF	L	Totals		83		9,897	9,897	277		25	60	15		5	12	72	11	30	57	0.52	175.0
DF	T	DO	2M	20		293	293	8				100				100		40	200	1.38	1.5
DF	T	DO	3M	58		829	829	23			100					100		34	124	0.96	6.7
DF	T	DO	4M	22		299	299	8	100							73	27	34	37	0.36	8.1
DF	T	Totals		12		1,422	1,422	40		21	58	21				74	26	35	87	0.71	16.3
IC	L	DO	2M	45		255	255	7				100				100		28	250	2.18	1.0
IC	L	DO	3M	18		102	102	3			100					100		28	100	0.89	1.0
IC	L	DO	4M	37		203	203	6	36	64				74	26			20	33	0.53	6.2
IC	L	Totals		5		560	560	16		13	42	46		27	73			22	68	0.85	8.3
e Totals						11,879	11,879	333		24	59	17		6	13	69	12	30	60	0.55	199.6

Stand Table Summary																	
TC TSTNDSUM					Project QUINES2												
T32S R05W S36 T0002													T32S R05W S36 T0002				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1									
32S	05W	36	QUINES 2BKUP	0002	28.00	21	44	Date: 11/22/20									
								Time: 1:27:32PM									
S Spec	T	DBH	Sample		FF 16'	Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
			Trees	16'						Net	Bd.Ft.				Tons	Cunits	MBF
DF	L	8	1	85	58	7.481	2.61	7.48	5.9	30.0	1.25	44	224	35	12	6	
DF	L	9	3	85	72	17.732	7.83	23.64	7.5	30.0	5.02	176	709	141	49	20	
DF	L	10	2	84	72	9.575	5.22	14.36	7.8	36.7	3.18	112	527	89	31	15	
DF	L	11	2	83	72	7.914	5.22	11.87	9.8	36.7	3.33	117	435	93	33	12	
DF	L	12	4	82	77	13.299	10.45	26.60	10.4	38.7	7.90	277	1,031	221	78	29	
DF	L	13	3	84	77	8.499	7.83	17.00	12.6	46.7	6.11	214	793	171	60	22	
DF	L	14	1	78	83	2.443	2.61	4.89	15.1	50.0	2.10	74	244	59	21	7	
DF	L	15	4	82	82	8.512	10.45	17.02	17.9	63.8	8.67	304	1,085	243	85	30	
DF	L	16	4	82	81	7.481	10.45	14.96	20.1	72.5	8.59	301	1,085	241	84	30	
DF	L	17	5	81	83	8.283	13.06	16.57	23.4	83.0	11.04	387	1,375	309	108	39	
DF	L	18	3	83	90	4.433	7.83	8.87	28.4	98.3	7.18	252	872	201	71	24	
DF	L	19	2	86	89	2.652	5.22	3.98	36.7	140.0	4.16	146	557	116	41	16	
DF	L	20	1	84	92	1.197	2.61	1.20	52.8	210.0	1.80	63	251	50	18	7	
DF	L	22	2	80	93	1.978	5.22	3.96	30.9	107.5	3.49	122	425	98	34	12	
DF	L	24	1	79	93	.831	2.61	1.66	52.9	170.0	2.50	88	283	70	25	8	
DF		Totals	38	83	77	102.311	99.23	174.05	15.4	56.9	76.31	2,678	9,897	2,137	750	277	
DF	T	15	1	80	89	2.608	3.20	5.22	18.8	65.0	2.80	98	339	78	27	9	
DF	T	17	2	83	88	4.061	6.40	8.12	24.3	90.0	5.61	197	731	157	55	20	
DF	T	20	1	85	91	1.467	3.20	2.93	35.6	120.0	2.98	104	352	83	29	10	
DF		Totals	4	82	89	8.137	12.80	16.27	24.6	87.4	11.39	400	1,422	319	112	40	
IC	L	15	1	74	57	2.608	3.20	5.22	11.4	35.0	1.34	59	183	37	17	5	
IC	L	24	1	80	88	1.019	3.20	3.06	30.5	123.3	2.10	93	377	59	26	11	
IC		Totals	2	76	66	3.627	6.40	8.27	18.4	67.6	3.43	153	560	96	43	16	
Totals			44	83	77	114.075	118.44	198.60	16.3	59.8	91.13	3230	11,879	2,552	904	333	

Log Stock Table - MBF

T32S R05W S36 Ty0002 28.00

Project: QUINES2
Acres 28.00Page 1
Date 11/22/2011
Time 11:45:29AM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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	13	13	4.6					13								
DF	L	DO	2M	40	7	7	2.4						7							
DF	L	DO	3M	34	179	179	64.8			41	56	61	21							
DF	L	DO	4M	14	2	2	.7		2											
DF	L	DO	4M	17	3	3	1.2		3											
DF	L	DO	4M	18	2	2	.7		2											
DF	L	DO	4M	20	7	7	2.4		3	3										
DF	L	DO	4M	22	9	9	3.1		3	5										
DF	L	DO	4M	23	5	5	1.8		5											
DF	L	DO	4M	25	4	4	1.4		4											
DF	L	DO	4M	27	4	4	1.4		4											
DF	L	DO	4M	28	5	5	1.6		5											
DF	L	DO	4M	29	7	7	2.6		7											
DF	L	DO	4M	31	3	3	1.1		3											
DF	L	DO	4M	32	3	3	1.1		3											
DF	L	DO	4M	33	2	2	.8		2											
DF	L	DO	4M	36	4	4	1.3		4											
DF	L	DO	4M	37	1	1	.4		1											
DF	L	DO	4M	38	10	10	3.5		10											
DF	L	DO	4M	40	8	8	3.0		8											
DF		Totals			277	277	83.3		69	50	56	61	34	7						
DF	T	DO	2M	40	8	8	20.6					8								
DF	T	DO	3M	34	23	23	58.3			7		16								
DF	T	DO	4M	32	2	2	5.5		2											
DF	T	DO	4M	33	2	2	5.7		2											
DF	T	DO	4M	35	2	2	4.1		2											
DF	T	DO	4M	37	2	2	5.7		2											
DF		Totals			40	40	12.0		8	7		16	8							
IC	L	DO	2M	28	7	7	45.5						7							
IC	L	DO	3M	28	3	3	18.2					3								
IC	L	DO	4M	16	1	1	3.6		1											
IC	L	DO	4M	20	4	4	23.3			4										
IC	L	DO	4M	21	1	1	9.3		1											
IC		Totals			16	16	4.7		2	4		3		7						

TC PLOGSTVB				Log Stock Table - MBF															
T32S R05W S36 Ty0002 28.00				Project: QUINES2 Acres 28.00												Page 2 Date 11/22/2011 Time 11:45:29A			
S T Spp	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+
Total	All Species			333		333	100.0	80		50	67	80	42	14					

TC TreeList				Plot Tree List												Page	1		
				Project												Date	08/30/2011		
				QUINES2															
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt		BdFt									
32S	05W	36	QUINES	0002	30.00 28	21	44	S	W										
Tree		C		T		BoleTot		BfCf		BfCf		BfCf		BfCf		BfCf			
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	
1201	0001	B11	DF	L	1		12.0	4	82	0	78	78		D334	D4--				
1201	0002	B11	DF	L	1		19.0	4	85	0	89	89		D334	D4--				
1201	0003	B11	DF	T	1		20.0	4	86	0	91	91		D240	D4--				
1201	0004	B11	IC	L	1		24.0	4	80	0	88	88		D228	D328	D4--			
1201	0005	B11	DF	L	1		20.0	4	84	0	92	92		D234	D4--				
1202	0001	B11	DF	T	1														
1202	0002	B11	DF	L	3														
1202	0003	B11	IC	L	1														
1203	0001	B11	DF	L	1		16.0	4	78	0	76	76		D334	D4--				
1203	0002	B11	DF	L	1		19.0	4	88	0	88	88		D334	D4--				
1204	0001	B11	DF	T	2														
1204	0002	B11	DF	L	3														
1204	0003	B11	IC	L	1														
1205	0001	B11	DF	L	1		18.0	4	80	0	89	89		D334	D4--				
1205	0002	B11	DF	T	1		17.0	4	78	0	87	87		D334	D4--				
1205	0003	B11	DF	L	1		22.0	4	80	0	100	100		D020	D334	D4--			
1205	0004	B11	DF	L	1		14.0	4	79	0	83	83		D334	D4--				
1205	0005	B11	DF	L	1		12.0	4	79	0	83	83		D334	D4--				
1206	0001	B11	DF	L	4														
1206	0002	B11	DF	T	3														
2201	0001	B11	DF	L	1		13.0	4	85	0	71	71		D334	D4--				
2201	0002	B11	DF	L	1		11.0	4	85	0	68	68		D334					
2201	0003	B11	DF	L	1		10.0	4	85	0	69	69		D334					
2201	0004	B11	DF	L	1		8.0	4	85	0	58	58		D440					
2202	0001	B11	DF	L	3														
2202	0002	B11	DF	T	1														
2203	0001	B11	DF	L	1		16.0	4	84	0	87	87		D334	D4--				
2203	0002	B11	DF	L	1		9.0	4	85	0	78	78		D4--					
2203	0003	B11	DF	L	1		17.0	4	78	0	85	85		D334	D4--				
2203	0004	B11	DF	L	1		15.0	4	86	0	78	78		D334	D4--				
2203	0005	B11	DF	L	1		13.0	4	87	0	84	84		D334	D4--				
2203	0006	B11	DF	L	1		15.0	4	82	0	87	87		D334	D4--				
2204	0001	B11	DF	L	3														
2204	0002	B11	PP	L	1														
2205	0001	B11	DF	L	1		22.0	4	80	0	86	86		D234	D4--				
2206	0001	B11	DF	L	3														
2206	0002	B11	SP	L	1														
2207	0001	B11	DF	L	1		24.0	4	80	0	93	93		D240	D334				

TC TreeList				Plot Tree List										Page 2					
				Project		QUINES2										Date 08/30/2011			
TWP	RGE	SC	TRACT	Type	Acres		Plots		Trees		CuFt BdFt								
32S	05W	36	QUINES	0002	28 30.00		21		44		S W								
Tree			C		T BoleTot				BfCf		BfCf		BfCf		BfCf		BfCf		
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
2207	0002	B11	DF	L	1		15.0	4	80	0	89	89		D334	D4--				
2207	0003	B11	DF	T	1		17.0	4	88	0	89	89		D334	D4--				
2207	0004	B11	DF	L	1		18.0	4	83	0	93	93		D334	D4--				
2208	0001	B11	DF	L	1														
3201	0001	B11	DF	L	1		12.0	4	86	0	73	73		D334	D4--				
3201	0002	B11	DF	L	1		18.0	4	87	0	89	89		D334	D4--				
3201	0003	B11	IC	L	1		15.0	4	75	0	57	57		D4--					
3202	0001	B11	DF	L	1														
3203	0001	B11	DF	L	1		13.0	4	82	0	76	76		D334	D4--				
3203	0002	B11	DF	L	1		17.0	4	85	0	78	78		D334	D4--				
3203	0003	B11	DF	L	1		17.0	4	83	0	90	90		D334	D4--				
3204	0001	B11	DF	L	1														
3205	0001	B11	DF	L	1		17.0	4	80	0	79	79		D334	D4--				
3205	0002	B11	DF	T	1		15.0	4	80	0	89	89		D334	D4--				
3205	0003	B11	DF	L	1		11.0	4	83	0	75	75		D334	D4--				
3205	0004	B11	DF	L	1		16.0	4	88	0	79	79		D334	D4--				
3206	0001	B11	DF	L	2														
3207	0001	B11	DF	L	1		12.0	4	81	0	72	72		D334	D4--				
3207	0002	B11	DF	L	1		9.0	4	88	0	69	69		D4--					
3207	0003	B11	DF	L	1		9.0	4	83	0	69	69		D4--					
3207	0004	B11	DF	L	1		16.0	4	79	0	82	82		D334	D4--				
3207	0005	B11	DF	L	1		17.0	4	82	0	85	85		D334	D4--				
3207	0006	B11	DF	L	1		10.0	4	85	0	75	75		D4--					
3207	0007	B11	DF	L	1		15.0	4	83	0	76	76		D334	D4--				

TC PSTATS				PROJECT STATISTICS				PAGE	1			
				PROJECT	QUINES2	DATE 9/2/2011						
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
32S	05	36	QUINES	3MO	17 19.00	41	224	S	W			
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			41	224	5.5							
CRUISE			14	76	5.4	2,452	3.1					
DBH COUNT												
REFOREST												
COUNT			27	148	5.5							
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-L			12	6.2	36.6	148	8	45.6	11,311	10,856	2,317	2,317
DOUG FIR-T			64	122.8	19.4	111	59	250.9	52,033	51,537	11,255	11,255
TOTAL			76	129.0	20.5	113		296.5	63,344	62,393	13,572	13,572
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		17.2	5.2	1,657	1,748	1,838						
DOUG FIR-T		61.6	7.9	690	749	808						
TOTAL		62.9	7.4	846	913	980		158	40	18		
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		10.9	3.3	362	374	386						
DOUG FIR-T		54.2	6.9	148	159	170						
TOTAL		58.3	6.8	181	194	208		136	34	15		
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		120.4	18.8	5	6	7						
DOUG FIR-T		49.2	7.7	113	123	132						
TOTAL		45.7	7.1	120	129	138		84	21	9		
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		120.3	18.8	37	46	54						
DOUG FIR-T		46.3	7.2	233	251	269						
TOTAL		38.2	6.0	279	296	314		58	15	6		
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		115.4	18.0	8,901	10,856	12,811						
DOUG FIR-T		49.1	7.7	47,590	51,537	55,484						
TOTAL		39.7	6.2	58,525	62,393	66,261		63	16	7		
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		117.8	18.4	1,891	2,317	2,743						
DOUG FIR-T		48.5	7.6	10,403	11,255	12,107						
TOTAL		39.3	6.1	12,740	13,572	14,405		62	15	7		

32S R05W S36 T3MOD														T32S R05W S36 T3MOD							
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
32S	05W	36	QUINES	3MOD	17.12.00	41	76	S	W												
S So Gr Spp T rt ad				% 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	Bd	CF/ Lf		
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	Ft	Lf		
DF	T	DO	CU														27		0.00	12.2	
DF	T	DO	SM	6		3,261	3,261					100			13	87	39	595	2.98	5.5	
DF	T	DO	2M	54	.9	27,906	27,666				50	50			37	63	37	379	2.12	73.0	
DF	T	DO	3M	31	1.5	16,595	16,339			8	55	26	11	2	11	67	20	32	101	0.74	161.6
DF	T	DO	4M	8		3,772	3,772			51	28	14	7	11	70	12	7	25	40	0.39	94.8
DF	T	DO	3P	1		498	498					100			100			28	710	4.36	.7
DF	T	Totals		83	1.0	52,033	51,537			6	19	36	38	1	10	43	46	31	148	1.04	347.8
DF	L	DO	2M	58	2.0	6,496	6,365				2	98			5	95	40	839	4.11	7.6	
DF	L	DO	3M	30	9.2	3,534	3,209				3	7	91		42	58	37	566	3.50	5.7	
DF	L	DO	4M	12		1,282	1,282			15		53	32	1	10	41	48	32	138	1.18	9.3
DF	L	Totals		17	4.0	11,311	10,856			2	1	9	88	0	1	20	79	36	482	2.86	22.5
Type Totals					1.5	63,344	62,393			6	16	32	47	1	8	39	52	32	168	1.16	370.3

Take

Reserved

TC		TSTNDSUM														Stand Table Summary													
																Project QUINES2													
T32S R05W S36 T3MOD														T32S R05W S36 T3MO															
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		Page: 1													
32S		05W		36		QUINES		3MOD		17.00		41		76		Date: 11/22/20													
																Time: 1:21:25PM													
Spc	S	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net		Net Bd.Ft.	Totals															
		DBH	Trees	FF	Ht				Net	Net	Tons/ Acre	Cu.Ft. Acre		Tons	Cunits	MBF													
DF	T	8	1	81	33	11.229	3.92	11.23	4.0	20.0	1.29	45	225	22	8	4													
DF	T	11	2	83	105	11.878	7.84	29.70	8.9	38.0	7.53	264	1,128	128	45	19													
DF	T	12	4	82	88	19.962	15.68	29.94	12.8	50.0	10.92	383	1,497	186	65	25													
DF	T	13	1	84	72	4.252	3.92	8.50	12.6	45.0	3.06	107	383	52	18	7													
DF	T	15	3	84	130	9.582	11.76	28.75	16.9	77.8	13.87	487	2,236	236	83	38													
DF	T	18	5	82	119	11.090	19.60	31.05	21.8	87.9	19.32	678	2,728	329	115	46													
DF	T	19	1	83	140	1.991	3.92	7.96	21.7	97.5	4.92	173	776	84	29	13													
DF	T	20	4	82	135	7.186	15.68	21.56	32.8	137.5	20.12	706	2,964	342	120	50													
DF	T	22	8	84	139	11.878	31.36	41.57	36.2	163.9	42.88	1,505	6,815	729	256	116													
DF	T	23	2	85	103	2.717	7.84	6.79	45.0	176.0	8.72	306	1,195	148	52	20													
DF	T	24	3	84	141	3.743	11.76	14.97	37.8	178.3	16.15	567	2,670	275	96	45													
DF	T	25	6	83	136	6.899	23.52	25.30	43.4	191.8	31.27	1,097	4,852	532	187	82													
DF	T	26	3	83	156	3.189	11.76	11.69	52.4	248.2	17.46	613	2,902	297	104	49													
DF	T	27	4	81	156	3.943	15.68	15.77	51.0	222.5	22.94	805	3,509	390	137	60													
DF	T	28	4	84	157	3.667	15.68	13.75	60.1	296.0	23.55	826	4,070	400	141	69													
DF	T	29	2	86	155	1.709	7.84	6.84	61.7	315.0	12.02	422	2,153	204	72	37													
DF	T	30	2	80	165	1.597	7.84	6.39	66.8	326.3	12.16	427	2,084	207	73	35													
DF	T	31	4	85	157	2.991	15.68	11.22	75.3	374.0	24.07	844	4,195	409	144	71													
DF	T	32	2	84	160	1.404	7.84	5.61	74.8	398.7	11.98	420	2,239	204	71	38													
DF	T	33	2	85	130	1.320	7.84	4.62	80.1	384.3	10.55	370	1,775	179	63	30													
DF	T	35	1	85	148	.587	3.92	2.35	89.6	485.0	5.99	210	1,138	102	36	19													
DF	T	Totals	64	83	114	122.815	250.85	335.57	33.5	153.6	320.77	11,255	51,537	5,453	1,913	876													
DF	L	34	1	84	156	.603	3.80	2.41	84.9	427.5	5.83	205	1,031	99	35	18													
DF	L	35	3	84	161	1.707	11.40	6.83	93.1	422.5	18.11	636	2,884	308	108	49													
DF	L	36	1	83	172	.538	3.80	2.15	102.7	537.5	6.29	221	1,156	107	38	20													
DF	L	37	5	79	136	2.545	19.00	8.14	109.6	496.9	25.44	893	4,047	432	152	69													
DF	L	38	1	83	152	.483	3.80	1.93	104.8	542.5	5.77	202	1,047	98	34	18													
DF	L	44	1	78	120	.360	3.80	1.08	149.1	640.0	4.59	161	691	78	27	12													
DF	T	Totals	12	81	148	6.235	45.61	22.54	102.8	481.6	66.03	2,317	10,856	1,122	394	185													
Totals		76	83	116		129.049	296.46	358.11	37.9	174.2	386.80	13572	62,393	6,576	2,307	1,061													

TC TLOGSTVB		Log Stock Table - MBF																		
		Project: QUINES2																		
T32S R05W S36 T3MOD										T32S R05W S36 T3MO										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
32S	05W	36	QUINES	3MOD	17 19.00	41	76	Date	9/2/2011											
								Time	11:19:44AM											
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	6		6	.5								6				
DF	L	DO	2M	40	118	2.1	115	9.7						2		6	32	75		
DF	L	DO	3M	34	26		26	2.2						2	2	9	13			
DF	L	DO	3M	40	41	14.9	35	3.0						2			8	25		
DF	L	DO	4M	18	0		0	.0		0										
DF	L	DO	4M	22	0		0	.0		0										
DF	L	DO	4M	26	2		2	.1						2						
DF	L	DO	4M	27	0		0	.0		0										
DF	L	DO	4M	28	0		0	.0		0										
DF	L	DO	4M	33	0		0	.0		0										
DF	L	DO	4M	34	10		10	.8		0						3	7			
DF	L	DO	4M	36	3		3	.3		1										
DF	L	DO	4M	37	3		3	.2								3				
DF	L	DO	4M	38	5		5	.5		1						4				
DF	T	DO	CU	25																
DF	T	DO	CU	26																
DF	T	DO	CU	34																
DF	T	DO	SM	34	8		8	.7									8			
DF	T	DO	SM	40	54		54	4.6								31	23			
DF	T	DO	2M	34	194		194	16.3						37	89	68				
DF	T	DO	2M	40	336	1.4	332	28.0						22	38	157	102	13		
DF	T	DO	3M	20	7		7	.6				4		3						
DF	T	DO	3M	21	1		1	.1		1										
DF	T	DO	3M	22	1		1	.1		1										
DF	T	DO	3M	26	9		9	.8		2		5		2						
DF	T	DO	3M	28	8		8	.7		1		2		2	4					
DF	T	DO	3M	29	5		5	.4		1				3						
DF	T	DO	3M	30	9		9	.8		1						6				
DF	T	DO	3M	31	4		4	.4		0					4					
DF	T	DO	3M	32	24		24	2.0		1				17	6					
DF	T	DO	3M	33	15		15	1.3		2					13					
DF	T	DO	3M	34	166		166	14.0		11	22	42	53	14	4	12	7			
DF	T	DO	3M	36	14		14	1.2		1				5	3		5			
DF	T	DO	3M	37	6		6	.5		1					5					
DF	T	DO	3M	38	2		2	.1		2										
DF	T	DO	3M	40	41	12.0	36	3.0				7			4	10	16			
DF	T	DO	3M	41	3		3	.3		1	2									
DF	T	DO	4M	9																
DF	T	DO	4M	10																
DF	T	DO	4M	16	0		0	.0		0										
DF	T	DO	4M	17	1		1	.1		1										
DF	T	DO	4M	20	7		7	.6		4	2									
DF	T	DO	4M	21	4		4	.3		2					1					
DF	T	DO	4M	22	4		4	.3		0		4								
DF	T	DO	4M	23	2		2	.2		0	2									
DF	T	DO	4M	24	7		7	.6		4		1		2						
DF	T	DO	4M	25	6		6	.5		2	1			3						
DF	T	DO	4M	26	10		10	.9		5				2		3				
DF	T	DO	4M	27	0		0	.0		0										
DF	T	DO	4M	28	9		9	.7		3							5			

TC TLOGSTVB				Log Stock Table - MBF																
				Project: QUINES2																
T32S R05W S36 T3MOD				T32S R05W S36 T3MO																
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	2											
32S	05W	36	QUINES	3MOD	19.00	41	76	Date	9/2/2011											
								Time	11:19:44AM											
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	T	DO	4M	29	3		3	.2						3						
DF	T	DO	4M	30	5		5	.4		2		3								
DF	T	DO	4M	32	2		2	.2		2										
DF	T	DO	4M	34	4		4	.3		4										
DF	T	DO	4M	35	3		3	.3						3						
DF	T	DO	4M	36	1		1	.0		1										
DF	T	DO	4M	38	1		1	.1		1										
DF	T	DO	4M	41	4		4	.3		4										
DF	T	DO	3P	28	9		9	.8										9		
DF	Totals				1,204	1.5	1,185	100.0		66	30	67	94	126	155	331	192	123		
Total All Species					1,204	1.5	1,185	100.0		66	30	67	94	126	155	331	192	123		

TC FLOGSTBF		Log Stock Table - Percent Board Feet																				
Project:		QUINES2		Acres		17.00																
T32S R05W S36 Ty3MOD		17.00		CuFt: S		BdFt: W		Page 1 Date 11/22/2011 Time 1:19:13PM														
Spp	S	T	So	Log	Grd	Len	Gross MBF	Def %	Net MBF	% Spc	Percent 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	SM	34		7		7	.8									100.0			
DF	T		DO	SM	40		48		48	5.5							57.7		42.3			
DF	T		DO	2M	34		173		173	19.8					18.9		46.0	35.1				
DF	T		DO	2M	40		301	1.4	297	33.9					6.5		11.4	47.4	30.8	3.9		
DF	T		DO	3M	20		6		6	.7				52.5		47.5						
DF	T		DO	3M	21		1		1	.1		100.0										
DF	T		DO	3M	22		1		1	.1		100.0										
DF	T		DO	3M	26		8		8	1.0		26.0		51.9		22.1						
DF	T		DO	3M	28		7		7	.8		6.8		23.8		21.9	47.5					
DF	T		DO	3M	29		4		4	.5		27.6				72.4						
DF	T		DO	3M	30		8		8	.9		11.2				26.6		62.2				
DF	T		DO	3M	31		4		4	.4		11.2				88.8						
DF	T		DO	3M	32		21		21	2.4		3.2				71.2	25.5					
DF	T		DO	3M	33		13		13	1.5		10.1				89.9						
DF	T		DO	3M	34		148		148	16.9		6.7	13.5	25.5	31.8	8.4	2.7	7.4	4.0			
DF	T		DO	3M	36		12		12	1.4		5.0			39.6	22.7		32.7				
DF	T		DO	3M	37		6		6	.7		21.2				78.8						
DF	T		DO	3M	38		1		1	.2		100.0										
DF	T		DO	3M	40		36	12.0	32	3.7				19.0		10.2	27.6	43.2				
DF	T		DO	3M	41		3		3	.3		32.3	67.7									
DF	T		DO	4M	16		0		0	.0		100.0										
DF	T		DO	4M	17		1		1	.1		100.0										
DF	T		DO	4M	20		6		6	.7		65.4	34.6									
DF	T		DO	4M	21		3		3	.4		64.3				35.7						
DF	T		DO	4M	22		3		3	.4		6.5		93.5								
DF	T		DO	4M	23		2		2	.2		20.7	79.3									
DF	T		DO	4M	24		7		7	.8		49.9		18.3	31.8							
DF	T		DO	4M	25		6		6	.6		35.9	15.1		49.0							
DF	T		DO	4M	26		9		9	1.0		51.9			15.4		32.6					
DF	T		DO	4M	27		0		0	.0		100.0										
DF	T		DO	4M	28		8		8	.9		39.3						60.7				
DF	T		DO	4M	29		2		2	.3						100.0						
DF	T		DO	4M	30		4		4	.5		38.9		61.1								
DF	T		DO	4M	32		2		2	.2		100.0										
DF	T		DO	4M	34		3		3	.4		100.0										
DF	T		DO	4M	35		3		3	.3						100.0						

TC PLOGSTBF

Log Stock Table - Percent Board Feet

Project: QUINES2 Acres 17.00

T32S R05W S36 Ty3MOD 17.00

CuFt: S

BdFt: W

Page 2

Date 11/22/2011

Time 1:19:13PM

Spp	S	So	Log	Gross	Def	Net	%	Percent 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	4M	36	1	1	.1	100.0											
DF	T	DO	4M	38	1	1	.1	100.0											
DF	T	DO	4M	41	3	3	.4	100.0											
DF	T	DO	3P	28	8	8	1.0									100.0			
DF		Totals			885	876	82.6	6.4	3.0	6.9	9.5	12.3	14.8	30.6	14.2	2.3			
DF	L	DO	2M	34	5	5	2.7							100.0					
DF	L	DO	2M	40	105	2.1	103	56.0				2.0		5.3		27.4	65.3		
DF	L	DO	3M	34	23	23	12.5					7.1		8.6	33.8	50.5			
DF	L	DO	3M	40	37	14.9	32	17.1				4.9				23.0	72.1		
DF	L	DO	4M	18	0	0	.1	100.0											
DF	L	DO	4M	22	0	0	.1	100.0											
DF	L	DO	4M	26	1	1	.8					100.0							
DF	L	DO	4M	27	0	0	.1	100.0											
DF	L	DO	4M	28	0	0	.1	100.0											
DF	L	DO	4M	33	0	0	.2	100.0											
DF	L	DO	4M	34	9	9	4.7	2.8						26.9	70.3				
DF	L	DO	4M	36	3	3	1.7	23.6						76.4					
DF	L	DO	4M	37	3	3	1.4							100.0					
DF	L	DO	4M	38	5	5	2.7	22.4							77.6				
DF		Totals			192	4.0	185	17.4	1.8			.8	2.8	5.0	15.2	25.6	48.9		
Total		All Species			1,077	1.5	1,061	100.0	5.6	2.5	5.7	8.0	10.7	13.1	27.9	16.2	10.4		

TC TreeList		Plot Tree List												Page	1			
		Project												QUINES2	Date	11/22/2011		
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt	BdFt									
32S	05W	36	QUINES	3MO	17.00	41	76	S	W									
Tree		C		T BoleTot				BfCf		BfCf		BfCf		BfCf				
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
1301	0001	B11	DF	T	1		24.0	4	85	4	121	121		D234	D234	D4--		
1301	0002	B11	DF	T	1		24.0	4	85	0	131	131		D234	D234	D3--		
1301	0003	B11	DF	T	1		22.0	4	85	0	132	132		D234	D334	D3--		
1301	0004	B11	DF	T	1		33.0	4	85	0	133	133		D240	D234	D4--		
1301	0005	B11	DF	T	1		25.0	4	80	0	118	118		D234	D234	D4--		
1302	0002	B11	DF	T	4													
1303	0002	B11	DF	T	5													
1304	0001	B11	DF	T	1		12.0	4	85	0	98	98		D334	D4--			
1304	0002	B11	DF	T	1		12.0	4	85	0	90	90		D334	D4--			
1304	0003	B11	DF	T	1		28.0	4	85	0	132	132		D240	D234	D4--		
1304	0004	B11	DF	T	1		20.0	4	86	0	130	130		D234	D3--			
1304	0005	B11	DF	T	1		22.0	4	86	0	130	130		D234	D3--			
1304	0006	B11	DF	T	1		25.0	4	85	0	130	130		D234	D234	D3--		
1305	0001	B11	DF	T	4													
1306	0002	B11	DF	L	4													
1306	0003	B11	DF	T	6													
2306	0001	B11	DF	T	1		8.0	4	82	5	28			D4--				
2306	0002	B11	DF	T	1		35.0	4	86	0	148	148		D240	D334	D334	D4--	
2306	0003	B11	DF	L	1		38.0	4	83	0	152	152		D240	D334	D334	D4--	
2307	0001	B11	DF	T	2													
2308	0001	B11	DF	T	5													
2308	0002	B11	DF	L	1													
2309	0001	B11	DF	T	1		26.0	4	83	0	161	161		D240	D240	D340	D4--	
2309	0002	B11	DF	T	1		27.0	4	83	0	158	158		D240	D240	D340	D4--	
2309	0003	B11	DF	L	1		34.0	4	85	0	156	156		D240	D240	D340	D4--	
2310	0001	B11	DF	T	1													
2310	0002	B11	DF	L	1													
2311	0001	B11	DF	T	2													
2311	0002	B11	DF	L	1													
2312	0001	B11	DF	T	1		20.0	4	75	6	95			D234	D334	D4--		
2312	0002	B11	DF	T	1		25.0	4	87	0	146	146		D240	D234	D334	D4--	
2312	0003	B11	DF	T	1		27.0	4	83	0	155	155		D240	D234	D334	D4--	
2312	0004	B11	DF	T	1		25.0	4	85	0	138	138		D2408	D234	D334	D4--	
2312	0005	B11	DF	T	1		24.0	4	85	0	141	141		D240	D234	D4--		
2313	0001	B11	DF	T	5													
2313	0002	B11	DF	L	1													

TC TreeList				Plot Tree List												Page	2		
				Project												Date	11/22/2011		
				QUINES2															
TWP	RGE	SC	TRACT	Type	Acres	Plots	Trees	CuFt	BdFt										
32S	05W	36	QUINES	3MO	17.00	41	76	S	W										
Tree	C	T	BoleTot	BfCf	BfCf	BfCf	BfCf	BfCf											
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	
2314	0001	B11	DF	T	6														
3301	0001	B11	DF	T	1	15.0	4	80	6	82				D334	D4--				
3301	0002	B11	DF	T	1	28.0	4	85	0	145	145			D140	D234	D4--			
3301	0003	B11	DF	T	1	29.0	4	86	0	150	150			D240	D3--				
3301	0004	B11	DF	T	1	30.0	4	83	0	177	177			D140	D234	D3--			
3301	0005	B11	DF	T	1	29.0	4	86	0	159	159			D140	D234	D3--			
3301	0006	B11	DF	T	1	22.0	4	80	0	145	145			D234	D3--				
3302	0001	B11	DF	T	7														
3309	0001	B11	DF	T	5														
3310	0001	B11	DF	L	1	35.0	4	82	0	147	147			D240	D234	D334	D4--		
3310	0002	B11	DF	T	1	27.0	4	80	0	159	159			D240	D234	D334	D4--		
3310	0003	B11	DF	T	1	26.0	4	83	0	162	162			D140	D234	D334	D4--		
3310	0004	B11	DF	T	1	31.0	4	86	0	160	160			D240	D240	D334	D4--		
3310	0005	B11	DF	T	1	19.0	4	83	0	140	140			D234	D334	D334	D4--		
3310	0006	B11	DF	T	1	20.0	4	86	0	140	140			D340	D334	D4--			
3310	0007	B11	DF	T	1	27.0	4	82	0	150	150			D340501	D334	D3--			
3311	0001	B11	DF	T	5														
3311	0002	B11	DF	L	2														
3312	0002	B11	DF	T	5														
3312	0003	B11	DF	L	1														
3313	0001	B11	DF	T	2	18.0	4	83	0	127	127			D3--					
3313	0002	B11	DF	L	1	35.0	4	86	0	168	168			D340501	D240	D4--			
3313	0003	B11	DF	T	1	26.0	4	83	H	118				D240	D234	D3--			
3313	0004	B11	DF	L	1	35.0	4	85	0	167	167			D240201	D334	D4--			
3313	0005	B11	DF	T	1	31.0	4	85	0	165	165			D2405	D334	D4--			
3313	0006	B11	DF	T	1	22.0	4	85	0	129	129			D240	D3--				
3314	0001	B11	DF	L	1														
3314	0002	B11	DF	T	6														
3315	0001	B11	DF	T	5														
3315	0002	B11	DF	L	1														
3316	0002	B11	DF	T	1	32.0	4	85	0	168	168			D828	D134	D234	D4--		
3316	0003	B11	DF	L	1	36.0	4	83	0	173	173			D240	D240	D4--			
3316	0004	B11	DF	T	2	22.0	4	88	0	166	166			D240	D240	D334	D4--		
3316	0005	B11	DF	T	1	11.0	4	83	0	90	90			D334	D4--				
3316	0006	B11	DF	T	1	28.0	4	85	0	168	168			D240	D234	D3--			
3316	0007	B11	DF	T	1	30.0	4	79	0	152	152			D240	D234	D3--			
3317	0001	B11	DF	T	6														
3317	0002	B11	DF	L	1														
3318	0001	B11	DF	T	10														

TC TreeList				Plot Tree List												Page	3				
				Project		QUINES2												Date	11/22/2011		
TWP	RGE	SC	TRACT			Type	Acres				Plots	Trees				CuFt	BdFt				
32S	05W	36	QUINES			3MO	17.00				41	76				S	W				
Tree				C				T		BoleTot		BfCf		BfCf		BfCf		BfCf		BfCf	
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
3319	0001	B11	DF		T	1	32.0	4	84	0	152	152		D240	D240	D340					
3319	0002	B11	DF		T	1	31.0	4	83	0	156	156		D240	D240	D340					
3319	0003	B11	DF		L	1	37.0	4	82	0	165	165		D240	D240	D240					
3319	0004	B11	DF		T	1	18.0	4	84	0	128	128		D3--							
3320	0001	B11	DF		T	2															
3320	0002	B11	DF		L	2															
3321	0001	B11	DF		L	2															
3321	0002	B11	DF		T	5															
4303	0001	B11	PP		L	3															
4303	0002	B11	DF		L	1															
4304	0001	B11	DF		T	1	18.0	4	80	0	95	95		D334	D3--						
4304	0002	B11	DF		T	1	13.0	4	84	0	72	72		D3--							
4304	0003	B11	DF		L	1	44.0	4	78	0	120	120		D340	D4--						
4305	0001	B11	DF		L	2															
4306	0001	B11	DF		T	5															
4307	0001	B11	DF		T	2	15.0	4	87	0	132	132		D3--							
4307	0002	B11	DF		T	1	25.0	4	85	0	157	157		D140	D234	D334	D4--				
4307	0003	B11	DF		T	1	31.0	4	86	0	145	145		D240	D4--						
4307	0004	B11	DF		T	1	23.0	4	87	0	122	122		D2404	D3--						
4307	0005	B11	DF		T	1	25.0	4	81	0	124	124		D240	D3--						
4307	0006	B11	DF		T	1	20.0	4	83	0	122	122		D240	D3--						
4308	0001	B11	DF		T	8															
4309	0001	B11	DF		T	6															
4310	0001	B11	DF		T	1	18.0	4	83	0	120	120		D034	D4--						
4310	0002	B11	DF		T	1	22.0	4	82	0	120	120		D240	D334	D4--					
4310	0003	B11	DF		T	1	11.0	4	83	0	120	120		D334	D4--						
4310	0004	B11	DF		T	1	12.0	4	79	0	90	90		D334	D4--						
4310	0005	B11	DF		T	1	28.0	4	82	5	130	130		D340	D334	D4--					
4310	0006	B11	DF		T	1	22.0	4	82	0	125	125		D240	D334	D4--					
4311	0001	B11	DF		T	5															
4311	0002	B11	DF		L	1															
4312	0001	B11	DF		T	3															
4313	0001	B11	DF		T	1	23.0	4	83	0	85	85		D234	D4--						
4313	0002	B11	DF		T	1	33.0	4	86	0	128	128		D240	D3--						
4313	0003	B11	DF		L	1	37.0	4	80	0	143	143		D240	D334	D4--					
4313	0004	B11	DF		L	1	37.0	4	75	0	124	124		D340	D4--						
4313	0005	B11	DF		L	1	37.0	4	82	0	120	120		D240	D334	D4--					
4313	0006	B11	DF		T	1	12.0	4	80	0	75	75		D0--							
4313	0007	B11	DF		L	1	37.0	4	80	0	130	130		D340	D4--						

TC PSTATS			PROJECT STATISTICS					PAGE	1			
			PROJECT	QUINES2				DATE	9/2/2011			
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
32S	05	36	QUINES	4MO	10 18:00	18	79	S	W			
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			18	79	4.4							
CRUISE			6	29	4.8	1,901	1.5					
DBH COUNT												
REFOREST												
COUNT			12	50	4.2							
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-L			7	2.7	36.4	157	4	19.8	5,632	5,632	1,073	1,073
DOUG FIR-T			20	116.6	17.7	119	48	198.3	36,469	36,469	8,585	8,585
BL MAPLE-T			1	4.3	11.0	54		2.8	172	172	58	58
MADRONE-T			1	3.1	13.0	30		2.8	92	92	54	54
TOTAL			29	126.7	18.0	116		223.8	42,366	42,366	9,769	9,769
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			40.2	16.4	1,911	2,286	2,660					
DOUG FIR-T			52.0	11.9	349	397	444					
BL MAPLE-T												
MADRONE-T												
TOTAL			115.9	21.9	647	828	1,009		555	139	62	
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			34.5	14.0	368	429	489					
DOUG FIR-T			47.3	10.8	82	92	102					
BL MAPLE-T												
MADRONE-T												
TOTAL			101.1	19.1	136	168	100		423	106	47	
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			305.6	74.1	1	3	5					
DOUG FIR-T			47.8	11.6	103	117	130					
BL MAPLE-T			424.3	102.8		4	9					
MADRONE-T			424.3	102.8		3	6					
TOTAL			38.0	9.2	115	127	138		61	15	7	
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			319.7	77.5	4	20	35					
DOUG FIR-T			45.7	11.1	176	198	220					
BL MAPLE-T			424.3	102.8		3	6					
MADRONE-T			424.3	102.8		3	6					
TOTAL			32.4	7.8	206	224	241		44	11	5	
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			333.6	80.8	1,080	5,632	10,185					
DOUG FIR-T			47.2	11.4	32,301	36,469	40,638					
BL MAPLE-T			424.3	102.8		172	348					
MADRONE-T			424.3	102.8		92	187					

TC PSTATS				PROJECT STATISTICS				PAGE	2	
				PROJECT	QUINES2			DATE	9/2/2011	
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt
32S	05	36	QUINES	4MO	10 13.00		18	79	S	W
CL	68.1		COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL			38.7	9.4	38,393	42,366	46,338	63	16	7
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			328.0	79.5	220	1,073	1,926			
DOUG FIR-T			47.1	11.4	7,606	8,585	9,564			
BL MAPLE-T			424.3	102.8		58	118			
MADRONE-T			424.3	102.8		54	109			
TOTAL			35.3	8.6	8,933	9,769	10,606	53	13	6

Log Stock Table - MBF

T32S R05W S36 Ty4MOD	15.00
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Project: QUINES2
Acres: 108.00

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Date 9/2/2011
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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
DF	T	DO	2M	34	84	Take	84	15.3				66		18			
DF	T	DO	2M	40	152		152	27.8				33		56	62		
DF	T	DO	3M	22	10	Take	10	1.9			10						
DF	T	DO	3M	23	5		5	.9		5							
DF	T	DO	3M	24	5		5	.9		5							
DF	T	DO	3M	25	4		4	.7		4							
DF	T	DO	3M	26	7		7	1.3			3	4					
DF	T	DO	3M	27	2		2	.3		2							
DF	T	DO	3M	28	1		1	.3		1							
DF	T	DO	3M	29	13		13	2.3			7	6					
DF	T	DO	3M	30	5		5	.9		5							
DF	T	DO	3M	32	31		31	5.7		2		22	7				
DF	T	DO	3M	33	3		3	.6		3							
DF	T	DO	3M	34	102		102	18.7		9		30	44	20			
DF	T	DO	3M	35	3		3	.6		3							
DF	T	DO	3M	38	12		12	2.2		2			10				
DF	T	DO	3M	40	82		82	14.9		2		15	48		16		
DF	T	DO	4M	20	3		3	.6			3						
DF	T	DO	4M	21	3		3	.6			3						
DF	T	DO	4M	22	6		6	1.1		4		2					
DF	T	DO	4M	29	2		2	.4		2							
DF	T	DO	4M	37	13		13	2.4		13							
DF		Totals			547		547	86.1		56	5	94	120	120	72	80	
DF	L	DO	2M	40	12		12	14.3							12		
DF	L	DO	3M	24	1		1	1.2		0		1					
DF	L	DO	3M	34	6		6	6.7						6			
DF	L	DO	4M	24	1		1	1.2				1					
DF	L	DO	4M	26	0		0	.2		0							
DF	L	DO	4M	34	8		8	10.0						3	5		
DF	L	DO	4M	35	1		1	1.7				1					
DF	L	DO	4M	36	7		7	8.0		0						6	
DF	L	DO	4M	38	47		47	56.0		0				8	4	14	21
DF	L	DO	4M	40	1		1	.6		1							
DF		Totals			84		84	13.3		2		1	2		17	22	21
BM	T	DO	4M	34	3		3	100.0		3							

TC PLOGSTVB				Log Stock Table - MBF															
T32S R05W S36 Ty4MOD15.00				Project: QUINES2 Acres: 10 15 .00												Page 2 Date 9/2/2011 Time 11:17:50AM			
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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+
BM		Totals		3		3	.4	3											
MA	T	DO 4M 29		1		1	100.0	1											
MA		Totals		1		1	.2	1											
Total		All Species		635		635	100.0	62	5	94	120	122	72	97	22	21	21		

TC P5PCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T32S R05W S36 Ty4MOD 15.00

Project: QUINES2

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Acres 10.00

Date 9/2/2011

Time 11:17:49AM

S Spp	So T	Gr rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre
				Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99				
DF	T	DO2M	43		15,714	15,714	Take 236			82	18			36	64	37	277	1.68	56.7
DF	T	DO3M	52		18,936	18,936	284	13	74	13			18	49	33	32	83	0.63	229.4
DF	T	DO4M	5		1,820	1,820	27	70	30			11	42		47	29	35	0.30	52.5
DF Totals			86		36,469	36,469	547	10	40	42	8	1	11	41	47	32	108	0.79	338.7
DF	L	DO2M	14		808	808	Leave 12				100				100	40	845	4.37	1.0
DF	L	DO3M	8		441	441	7	3	12	39	46		15	85		29	224	1.51	2.0
DF	L	DO4M	78		4,384	4,384	66	2		7	91		2	15	83	36	545	2.85	8.0
DF Totals			13		5,632	5,632	84	2	1	8	89		3	18	79	35	514	2.80	11.0
BM	T	DO4M	100		172	172	3	100						100		34	40	0.40	4.3
BM Totals			0		172	172	3	100						100		34	40	0.40	4.3
MA	T	DO4M	100		92	92	1	100						100		29	30	0.60	3.1
MA Totals			0		92	92	1	100						100		29	30	0.60	3.1
Totals					42,365	42,365	635	10	35	37	18	0	10	38	51	32	119	0.85	357.0

TC		PSTNDSUM		Stand Table Summary										Page		1	
														Date:		11/22/2011	
T32S R05W S36 Ty4MOD				10.00		Project				QUINES2				Time:		1:30:03PM	
						Acres				10.00				Grown Year:			
S Spec T	DBH	Sample Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals				
			FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF		
DF T	12	1	82	64	12.626	9.92	25.25	9.0	30.0	6.50	228	758	65	23	8		
DF T	13	2	84	99	21.517	19.83	43.03	15.3	55.0	18.76	658	2,367	188	66	24		
DF T	15	1	81	120	8.081	9.92	24.24	15.6	63.3	10.81	379	1,535	108	38	15		
DF T	16	2	84	138	14.205	19.83	42.61	21.8	96.7	26.52	931	4,119	265	93	41		
DF T	17	1	81	119	6.291	9.92	18.87	20.9	83.3	11.24	394	1,573	112	39	16		
DF T	19	5	83	132	25.183	49.58	85.62	25.7	110.6	62.70	2,200	9,469	627	220	95		
DF T	21	2	83	123	8.246	19.83	24.74	34.9	143.3	24.60	863	3,546	246	86	35		
DF T	22	2	81	142	7.513	19.83	22.54	43.0	180.0	27.61	969	4,057	276	97	41		
DF T	23	2	84	144	6.874	19.83	27.50	35.1	160.0	27.49	964	4,399	275	96	44		
DF T	24	1	84	152	3.157	9.92	12.63	41.4	197.5	14.88	522	2,494	149	52	25		
DF T	25	1	83	140	2.909	9.92	11.64	40.9	185.0	13.56	476	2,153	136	48	22		
DF T	Totals	20	83	119	116.601	198.33	338.67	25.3	107.7	244.67	8,585	36,469	2,447	858	365		
DF L	30	1	80	160	.577	2.83	2.31	62.0	297.5	4.08	143	687	41	14	7		
DF L	32	1	80	140	.507	2.83	2.03	66.4	307.5	3.84	135	624	38	13	6		
DF L	34	1	83	140	.449	2.83	1.80	77.2	392.5	3.96	139	706	40	14	7		
DF L	40	1	83	167	.325	2.83	1.30	122.1	655.0	4.52	159	851	45	16	9		
DF L	42	3	84	170	.883	8.36	3.53	140.8	782.5	14.18	497	2,765	142	50	28		
DF L	Totals	7	82	157	2.742	19.83	10.97	97.8	513.5	30.58	1,073	5,632	306	107	56		
BM T	11	1	82	54	4.293	2.83	4.29	13.5	40.0	1.54	58	172	15	6	2		
BM T	Totals	1	82	54	4.293	2.83	4.29	13.5	40.0	1.54	58	172	15	6	2		
MA T	13	1	69	42	3.074	2.83	3.07	17.5	30.0	1.34	54	92	13	5	1		
MA T	Totals	1	69	42	3.074	2.83	3.07	17.5	30.0	1.34	54	92	13	5	1		
Totals		29	83	116	126.710	223.83	357.01	27.4	118.7	278.13	9,769	42,365	2,781	977	424		

TC PSTATS				PROJECT STATISTICS				PAGE	1				
				PROJECT QUINES2				DATE	11/22/2011				
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt			
32S	05	36	QUINES	5LES		34.00	13	69	S	W			
				PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL				13	69	5.3							
CRUISE				7	39	5.6	7,355	.5					
DBH COUNT													
REFOREST													
COUNT				6	30	5.0							
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-L				24	171.8	11.5	70	36	124.4	13,372	13,372	3,336	3,336
DOUG FIR-T				11	61.6	11.0	69	12	40.6	3,870	3,870	994	994
MADRONE-T				3	7.9	13.3	29		7.6	209	209	91	91
INC CED-L				1	3.8	11.0	59		2.5	154	154	50	50
TOTAL				39	245.2	11.4	68		175.2	17,605	17,605	4,471	4,471
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		140.8	29.3	143	203	262							
DOUG FIR-T		79.3	25.0	65	86	108							
MADRONE-T		21.7	15.0	23	27	31							
INC CED-L													
TOTAL		154.0	24.6	115	152	190		947	237	105			
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		127.3	26.5	35	48	60							
DOUG FIR-T		77.8	24.6	17	22	27							
MADRONE-T		19.6	13.6	10	12	13							
INC CED-L													
TOTAL		136.2	21.8	29	37	45		741	185	82			
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		49.3	14.2	147	172	196							
DOUG FIR-T		108.4	31.3	42	62	81							
MADRONE-T		360.6	103.9		8	16							
INC CED-L		360.6	103.9		4	8							
TOTAL		52.6	15.2	208	245	282		120	30	13			
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		32.8	9.4	113	124	136							
DOUG FIR-T		82.3	23.7	31	41	50							
MADRONE-T		360.6	103.9		8	16							
INC CED-L		360.6	103.9		3	5							
TOTAL		31.1	9.0	159	175	191		42	10	5			
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		30.2	8.7	12,208	13,372	14,537							
DOUG FIR-T		77.0	22.2	3,011	3,870	4,729							
MADRONE-T		360.6	103.9		209	426							
INC CED-L		360.6	103.9		154	314							

TC PSTATS				PROJECT STATISTICS				PAGE	2	
				PROJECT	OUINES2			DATE	11/22/2011	
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt
32S	05	36	QUINES	SLES	34.00		13	69	S	W
CL	68.1		COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL			33.2	9.6	15,920	17,605	19,290	48	12	5
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			32.5	9.4	3,024	3,336	3,649			
DOUG FIR-T			77.8	22.4	771	994	1,217			
MADRONE-T			360.6	103.9		91	186			
INC CED-L			360.6	103.9		50	102			
TOTAL			33.3	9.6	4,041	4,471	4,900	48	12	5

32S R05W S36 T5LES										T32S R05W S36 T5LES									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt	Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
32S	05W	36	QUINES	5LES	34.00	13	39	S	W										

S Sp Spp So T rt Gr ad				% 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 Ft	Bd Ft	CF/Lf	
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99				
DF	L	DO	2M	19		2,673	2,673	80			40	60		54	23	22	29	371	2.63	7.2
DF	L	DO	3M	32		4,152	4,152	125	11	56	23	10		36	33	31	30	81	0.70	51.2
DF	L	DO	4M	49		6,548	6,548	196	70	30			6	59	24	11	27	32	0.31	203.6
DF	L	Totals		76		13,372	13,372	401	38	32	15	15	3	51	27	19	28	51	0.46	262.0
DF	T	DO	2M	8		334	334	10			100			100			32	160	1.28	2.1
DF	T	DO	3M	22		839	839	25			100			57	43		27	89	0.81	9.5
DF	T	DO	4M	70		2,696	2,696	81	72	28				49	23	28	29	33	0.30	82.0
DF	T	Totals		22		3,870	3,870	116	50	41	9			47	34	19	29	41	0.37	93.5
MA	T	DO	4M	100		209	209	6	100				26	74			24	27	0.48	7.9
MA	T	Totals		1		209	209	6	100				26	74			24	27	0.48	7.9
IC	L	DO	4M	100		154	154	5	100						100		38	40	0.34	3.8
IC	L	Totals		1		154	154	5	100						100		38	40	0.34	3.8
Type Totals						17,605	17,605	528	42	34	13	11	3	50	28	20	28	48	0.43	367.3

TC TreeList										Plot Tree List										Page	1
Project										QUINES2										Date	11/22/2011
TWP	RGE	SC	TRACT	Type		Acres		Plots	Trees	CuFt BdFt											
32S	05W	36	QUINES	5LES		37.00		13	39	S W											
Tree	Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	BfCf	BfCf	BfCf	BfCf	BfCf		
															SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP		
1001	0001	B11	DF	L	1			9.0	4	83	0	66	66		D4--						
1001	0002	B11	DF	T	1			10.0	4	86	0	70	70		D4--						
1001	0003	B11	DF	L	1			8.0	4	83	0	68	68		D340						
1001	0004	B11	DF	L	1			12.0	4	85	0	80	80		D4--						
1001	0005	B11	DF	L	1			8.0	4	82	0	62	62		D4--						
1001	0006	B11	DF	T	1			9.0	4	83	0	70	70		D4--						
1001	0007	B11	DF	L	1			10.0	4	83	0	73	73		D4--						
1001	0008	B11	DF	L	1			24.0	4	76	0	89	89		D340	D4--					
1001	0009	B11	DF	T	1			10.0	4	83	0	74	74		D4--						
1002	0001	B11	DF	T	1																
1002	0002	B11	DF	L	5																
1003	0001	B11	DF	L	1			26.0	4	81	0	112	112		D224	D324	D4--				
1003	0002	B11	DF	L	1			11.0	4	83	0	71	71		D4--						
1003	0003	B11	IC	L	1			11.0	4	83	0	59	59		D4--						
1003	0004	B11	DF	T	1			12.0	4	86	0	78	78		D4--						
1003	0005	B11	DF	T	1			14.0	4	83	0	84	84		D324	D4--					
1003	0006	B11	DF	L	1			10.0	4	83	0	72	72		D4--						
1004	0001	B11	DF	T	1																
1004	0002	B11	DF	L	4																
1005	0001	B11	DF	T	1			15.0	4	86	0	86	86		D332	D4--					
1005	0002	B11	DF	L	1			14.0	4	86	0	83	83		D324	D4--					
1005	0003	B11	DF	L	1			12.0	4	83	0	80	80		D324	D4--					
1005	0004	B11	DF	L	1			14.0	4	83	0	81	81		D332	D4--					
1005	0005	B11	DF	L	1			27.0	4	85	0	116	116		D232	D324	D4--				
2003	0001	B11	DF	T	1																
2003	0002	B11	DF	L	4																
2004	0001	B11	DF	L	1			24.0	4	81	0	111	111		D240	D332	D4--				
2004	0002	B11	DF	L	1			14.0	4	83	0	70	70		D4--						
2004	0003	B11	DF	T	1			15.0	4	83	0	72	72		D324	D4--					
2004	0004	B11	DF	L	1			13.0	4	81	0	72	72		D324	D4--					
2004	0005	B11	DF	T	1			18.0	4	83	0	106	106		D232	D4--					
2004	0006	B11	DF	L	1			13.0	4	81	0	102	102		D340	D4--					
2005	0001	B11	DF	T	1																
2005	0002	B11	DF	L	4																
2006	0001	B11	DF	L	1			13.0	4	81	0	70	70		D4--						
2006	0002	B11	DF	L	1			8.0	4	86	0	64	64		D4--						
3001	0001	B11	DF	T	1																
3001	0002	B11	DF	L	4																
3002	0001	B11	DF	L	1			9.0	4	83	0	56	56		D4--						

TC TreeList				Plot Tree List										Page	2		
				Project										Date	11/22/2011		
				QUINES2													
TWP	RGE	SC	TRACT	Type	Acres		Plots		Trees		CuFt	BdFt					
32S	05W	36	QUINES	5LES	34.00		13		39		S	W					
Tree				C		T BoleTot		BfCf		BfCf		BfCf		BfCf		BfCf	
Plot	No	PF	A Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
3002	0002	B11	DF	T	1	10.0	4	83	0	60	60		D4--				
3002	0003	B11	DF	L	1	9.0	4	83	0	55	55		D4--				
3002	0004	B11	DF	T	1	9.0	4	83	0	57	57		D4--				
3002	0005	B11	DF	T	1	9.0	4	83	0	56	56		D4--				
3002	0006	B11	DF	L	1	9.0	4	83	0	56	56		D4--				
3002	0007	B11	DF	L	1	33.0	4	83	0	118	118		D224	D340	D4--		
3003	0001	B11	DF	L	4												
3004	0001	B11	DF	L	1	22.0	4	85	0	98	98		D224	D332	D4--		
3004	0002	B11	MA	T	1	13.0	4	85	0	32	32		D4--				
3004	0003	B11	MA	T	1	13.0	4	85	0	24	24		D4--				
3004	0004	B11	MA	T	1	14.0	4	85	0	32	32		D4--				

TC TSTNDSUM				Stand Table Summary												
Project QUINES2																
T32S R05W S36 T5LES										T32S R05W S36 T5LES						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1								
32S	05W	36	QUINES	5LES	37.00	13	39	Date: 11/22/20								
								Time: 1:32:14PM								
Spc	S	Sample		Av	Trees/	BA/	Logs	Average Log		Net		Net	Totals			
		DBH	Trees	FF Ht				Acres	Acres	Acres	Net	Net	Tons/	Cu.Ft.	Bd.Ft.	Tons
DF	L	8	3	83	65	44.542	15.55	44.54	6.9	30.0	8.71	305	1,336	261	92	40
DF	L	9	4	82	58	46.925	20.73	46.92	8.4	32.5	11.19	393	1,525	336	118	46
DF	L	10	2	83	73	19.005	10.37	38.01	6.4	25.0	6.92	243	950	207	73	29
DF	L	11	1	82	71	7.853	5.18	15.71	7.4	30.0	3.32	117	471	100	35	14
DF	L	12	2	83	80	13.198	10.37	26.40	10.2	37.5	7.67	269	990	230	81	30
DF	L	13	3	81	81	16.868	15.55	33.74	12.6	43.3	12.11	425	1,462	363	127	44
DF	L	14	3	83	78	14.544	15.55	29.09	14.8	56.7	12.24	430	1,648	367	129	49
DF	L	22	1	85	98	1.563	5.18	5.89	30.4	136.7	5.11	179	805	153	54	24
DF	L	24	2	78	100	3.299	10.37	8.25	45.4	156.0	10.68	375	1,287	320	112	39
DF	L	26	1	81	112	1.406	5.18	5.62	32.8	160.0	5.26	185	900	158	55	27
DF	L	27	1	84	116	1.303	5.18	5.21	40.3	197.5	5.98	210	1,030	180	63	31
DF	L	33	1	82	117	.873	5.18	2.62	78.9	370.0	5.89	207	969	177	62	29
DF		Totals	24	82	70	171.779	124.38	261.99	12.7	51.0	95.08	3,336	13,372	2,852	1,001	401
DF	T	9	3	83	61	25.073	11.08	25.07	8.8	33.3	6.32	222	836	189	66	25
DF	T	10	3	84	68	20.309	11.08	33.85	7.1	28.0	6.86	241	948	206	72	28
DF	T	12	1	85	78	4.701	3.69	9.40	9.8	40.0	2.64	92	376	79	28	11
DF	T	14	1	82	84	3.454	3.69	6.91	14.4	50.0	2.84	100	345	85	30	10
DF	T	15	2	84	79	6.018	7.38	12.04	17.1	70.0	5.88	206	842	176	62	25
DF	T	18	1	83	106	2.089	3.69	6.27	21.2	83.3	3.79	133	522	114	40	16
DF		Totals	11	84	69	61.644	40.62	93.54	10.6	41.4	28.32	994	3,870	850	298	116
MA	T	13	2	85	28	5.508	5.08	5.51	10.6	25.0	1.46	58	138	44	18	4
MA	T	14	1	85	32	2.375	2.54	2.37	13.8	30.0	.82	33	71	24	10	2
MA		Totals	3	85	29	7.882	7.62	7.88	11.6	26.5	2.28	91	209	68	27	6
IC	L	11	1	83	59	3.846	2.54	3.85	13.0	40.0	1.12	50	154	34	15	5
IC		Totals	1	83	59	3.846	2.54	3.85	13.0	40.0	1.12	50	154	34	15	5
Totals		39		83	68	245.152	175.15	367.26	12.2	47.9	126.80	4471	17,605	3,804	1,341	528

TC TLOGSTVB				Log Stock Table - MBF																
				Project: QUINES2																
T32S R05W S36 T5LES										T32S R05W S36 T5LES										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
32S	05W	36	QUINES	5LES	34.00	13	39	Date	11/22/2011											
								Time	10:22:04AM											
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	24	44		44	8.4								28			16	
DF	L	DO	2M	32	19		19	3.6								19				
DF	L	DO	2M	40	18		18	3.4							18					
DF	L	DO	3M	24	45		45	8.7				15	13		17					
DF	L	DO	3M	31	13		13	2.6		13										
DF	L	DO	3M	32	27		27	5.3				13	14							
DF	L	DO	3M	40	39		39	7.6				15		12		12				
DF	L	DO	4M	20	13		13	2.4		1	9		3							
DF	L	DO	4M	21	9		9	1.7			9									
DF	L	DO	4M	22	25		25	4.9		12	9		4							
DF	L	DO	4M	23	6		6	1.1		6										
DF	L	DO	4M	24	7		7	1.3				7								
DF	L	DO	4M	25	16		16	3.0		7		9								
DF	L	DO	4M	26	19		19	3.7		9		10								
DF	L	DO	4M	27	4		4	.8		4										
DF	L	DO	4M	28	19		19	3.7		19										
DF	L	DO	4M	30	11		11	2.1		11										
DF	L	DO	4M	31	24		24	4.6		24										
DF	L	DO	4M	32	21		21	4.1		21										
DF	L	DO	4M	34	2		2	.4		2										
DF	L	DO	4M	36	14		14	2.7		14										
DF	L	DO	4M	37	6		6	1.1		6										
DF	L	DO	4M	39	1		1	.2		1										
DF	T	DO	2M	32	10	Take	10	1.9						10						
DF	T	DO	3M	24	14		14	2.8				6		8						
DF	T	DO	3M	32	11		11	2.1						11						
DF	T	DO	4M	21	12		12	2.4			12									
DF	T	DO	4M	22	8		8	1.6		8										
DF	T	DO	4M	25	4		4	.7				4								
DF	T	DO	4M	26	9		9	1.7		2		7								
DF	T	DO	4M	27	4		4	.8		4										
DF	T	DO	4M	30	3		3	.5		3										
DF	T	DO	4M	32	15		15	2.9		15										
DF	T	DO	4M	33	4		4	.7		4										
DF	T	DO	4M	37	12		12	2.4		12										
DF	T	DO	4M	38	10		10	1.9		10										
DF	Totals				517		517	97.9		209	39	85	53	22	35	58		16		
MA	T	DO	4M	20	2		2	26.4		2										
MA	T	DO	4M	26	5		5	73.6		5										
MA	Totals				6		6	1.2		6										
IC	L	DO	4M	38	5		5	100.0		5										
IC	Totals				5		5	.9		5										
Total All Species					528		528	100.0		220	39	85	53	22	35	58		16		

TC		Log Stock Table - Percent Board Feet																		
TLOGSTBF		Project: QUINES2																		
T32S R05W S36 T5LES														T32S R05W S36 T5LES						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
32S	05W	36	QUINES	5LES	34.00	13	39	Date	11/22/2011											
								Time	10:22:04AM											
S	So	Log	Gross	%	Net	%	Percent Net Volume by Scaling Diameter in Inches													
Spp	T	rt	Grd	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	24	44		44	8.4								63.4		36.6		
DF	L	DO	2M	32	19		19	3.6								100.0				
DF	L	DO	2M	40	18		18	3.4								100.0				
DF	L	DO	3M	24	45		45	8.7				32.7	29.2		38.1					
DF	L	DO	3M	31	13		13	2.6		100.0										
DF	L	DO	3M	32	27		27	5.3				48.0	52.0							
DF	L	DO	3M	40	39		39	7.6				38.8		30.4		30.8				
DF	L	DO	4M	20	13		13	2.4		7.8	67.5		24.7							
DF	L	DO	4M	21	9		9	1.7			100.0									
DF	L	DO	4M	22	25		25	4.9		48.0	37.1		14.9							
DF	L	DO	4M	23	6		6	1.1		100.0										
DF	L	DO	4M	24	7		7	1.3				100.0								
DF	L	DO	4M	25	16		16	3.0		43.9		56.1								
DF	L	DO	4M	26	19		19	3.7		48.8		51.2								
DF	L	DO	4M	27	4		4	.8		100.0										
DF	L	DO	4M	28	19		19	3.7		100.0										
DF	L	DO	4M	30	11		11	2.1		100.0										
DF	L	DO	4M	31	24		24	4.6		100.0										
DF	L	DO	4M	32	21		21	4.1		100.0										
DF	L	DO	4M	34	2		2	.4		100.0										
DF	L	DO	4M	36	14		14	2.7		100.0										
DF	L	DO	4M	37	6		6	1.1		100.0										
DF	L	DO	4M	39	1		1	.2		100.0										
DF	T	DO	2M	32	10	Take	10	1.9					100.0							
DF	T	DO	3M	24	14		14	2.8				43.4	56.6							
DF	T	DO	3M	32	11		11	2.1					100.0							
DF	T	DO	4M	21	12		12	2.4			100.0									
DF	T	DO	4M	22	8		8	1.6		100.0										
DF	T	DO	4M	25	4		4	.7				100.0								
DF	T	DO	4M	26	9		9	1.7		21.1		78.9								
DF	T	DO	4M	27	4		4	.8		100.0										
DF	T	DO	4M	30	3		3	.5		100.0										
DF	T	DO	4M	32	15		15	2.9		100.0										
DF	T	DO	4M	33	4		4	.7		100.0										
DF	T	DO	4M	37	12		12	2.4		100.0										
DF	T	DO	4M	38	10		10	1.9		100.0										
DF		Totals			517		517	97.9		40.4	7.5	16.5	10.3	4.2	6.7	11.3		3.1		
MA	T	DO	4M	20	2		2	26.4		100.0										
MA	T	DO	4M	26	5		5	73.6		100.0										
MA		Totals			6		6	1.2		100.0										
IC	L	DO	4M	38	5		5	100.0		100.0										
IC		Totals			5		5	.9		100.0										
Total		All Species			528		528	100.0		41.6	7.3	16.2	10.1	4.1	6.6	11.1		3.0		

TC TreeList				Plot Tree List												Page	1	
				Project		QUINES2										Date	11/22/2011	
TWP	RGE	SC	TRACT			Type	Acres		Plots		Trees		CuFt		BdFt			
32S	05W	36	QUINES			5LES	36.00		13		39		S		W			
Tree			C		T		BoleTot		BfCf		BfCf		BfCf		BfCf			
Plot	No	PF	A	Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
1001	0001	B11	DF	L	1		9.0	4	83	0	66	66		D4--				
1001	0002	B11	DF	T	1		10.0	4	86	0	70	70		D4--				
1001	0003	B11	DF	L	1		8.0	4	83	0	68	68		D340				
1001	0004	B11	DF	L	1		12.0	4	85	0	80	80		D4--				
1001	0005	B11	DF	L	1		8.0	4	82	0	62	62		D4--				
1001	0006	B11	DF	T	1		9.0	4	83	0	70	70		D4--				
1001	0007	B11	DF	L	1		10.0	4	83	0	73	73		D4--				
1001	0008	B11	DF	L	1		24.0	4	76	0	89	89		D340	D4--			
1001	0009	B11	DF	T	1		10.0	4	83	0	74	74		D4--				
1002	0001	B11	DF	T	1													
1002	0002	B11	DF	L	5													
1003	0001	B11	DF	L	1		26.0	4	81	0	112	112		D224	D324	D4--		
1003	0002	B11	DF	L	1		11.0	4	83	0	71	71		D4--				
1003	0003	B11	IC	L	1		11.0	4	83	0	59	59		D4--				
1003	0004	B11	DF	T	1		12.0	4	86	0	78	78		D4--				
1003	0005	B11	DF	T	1		14.0	4	83	0	84	84		D324	D4--			
1003	0006	B11	DF	L	1		10.0	4	83	0	72	72		D4--				
1004	0001	B11	DF	T	1													
1004	0002	B11	DF	L	4													
1005	0001	B11	DF	T	1		15.0	4	86	0	86	86		D332	D4--			
1005	0002	B11	DF	L	1		14.0	4	86	0	83	83		D324	D4--			
1005	0003	B11	DF	L	1		12.0	4	83	0	80	80		D324	D4--			
1005	0004	B11	DF	L	1		14.0	4	83	0	81	81		D332	D4--			
1005	0005	B11	DF	L	1		27.0	4	85	0	116	116		D232	D324	D4--		
2003	0001	B11	DF	T	1													
2003	0002	B11	DF	L	4													
2004	0001	B11	DF	L	1		24.0	4	81	0	111	111		D240	D332	D4--		
2004	0002	B11	DF	L	1		14.0	4	83	0	70	70		D4--				
2004	0003	B11	DF	T	1		15.0	4	83	0	72	72		D324	D4--			
2004	0004	B11	DF	L	1		13.0	4	81	0	72	72		D324	D4--			
2004	0005	B11	DF	T	1		18.0	4	83	0	106	106		D232	D4--			
2004	0006	B11	DF	L	1		13.0	4	81	0	102	102		D340	D4--			
2005	0001	B11	DF	T	1													
2005	0002	B11	DF	L	4													
2006	0001	B11	DF	L	1		13.0	4	81	0	70	70		D4--				
2006	0002	B11	DF	L	1		8.0	4	86	0	64	64		D4--				
3001	0001	B11	DF	T	1													
3001	0002	B11	DF	L	4													
3002	0001	B11	DF	L	1		9.0	4	83	0	56	56		D4--				

TC TreeList				Plot Tree List										Page 2	
				Project QUINES2										Date 11/22/2011	
TWP	RGE	SC	TRACT	Type				Acres		Plots		Trees		CuFt BdFt	
32S	05W	36	QUINES	5LES				30.00		13		39		S W	
Tree				C		T		BoleTot		BfCf		BfCf		BfCf	
Plot	No	PF	A Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
3002	0002	B11	DF	T	1	10.0	4	83	0	60	60		D4--		
3002	0003	B11	DF	L	1	9.0	4	83	0	55	55		D4--		
3002	0004	B11	DF	T	1	9.0	4	83	0	57	57		D4--		
3002	0005	B11	DF	T	1	9.0	4	83	0	56	56		D4--		
3002	0006	B11	DF	L	1	9.0	4	83	0	56	56		D4--		
3002	0007	B11	DF	L	1	33.0	4	83	0	118	118		D224	D340	D4--
3003	0001	B11	DF	L	4										
3004	0001	B11	DF	L	1	22.0	4	85	0	98	98		D224	D332	D4--
3004	0002	B11	MA	T	1	13.0	4	85	0	32	32		D4--		
3004	0003	B11	MA	T	1	13.0	4	85	0	24	24		D4--		
3004	0004	B11	MA	T	1	14.0	4	85	0	32	32		D4--		

TC PSTATS					PROJECT STATISTICS			PAGE 1					
					PROJECT QUINES2			DATE 11/22/2011					
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt				
32S	05	36	QUINES MARK	3-4	5.00	6	22	S	W				
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES						
TOTAL			6	22	3.7								
CRUISE			3	12	4.0	705	1.7						
DBH COUNT													
REFOREST													
COUNT			3	10	3.3								
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-L			6	42.6	24.1	104	29	135.4	20,900	20,900	5,161	5,161	
DOUG FIR-T			4	19.3	24.4	94	13	62.5	8,937	8,149	2,182	2,182	
PONDEROS-L			1	78.0	7.0	82		20.8	1,559	1,559	267	267	
SUG.PINE-L			1	1.2	40.0	128		10.4	2,531	2,531	443	443	
TOTAL			12	141.1	17.3	91		229.2	33,926	33,138	8,053	8,053	
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			43.6	19.4	459	570	681						
DOUG FIR-T			57.6	32.9	329	490	651						
PONDEROS-L													
SUG.PINE-L													
TOTAL			86.6	26.1	463	627	790	326	82	36			
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			36.9	16.4	117	140	163						
DOUG FIR-T			39.9	22.8	97	125	154						
PONDEROS-L													
SUG.PINE-L													
TOTAL			64.5	19.4	115	143	171	181	45	20			
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			61.6	27.4	31	43	54						
DOUG FIR-T			92.4	41.1	11	19	27						
PONDEROS-L			154.9	69.0	24	78	132						
SUG.PINE-L			244.9	109.1		1	2						
TOTAL			75.7	33.7	94	141	189	272	68	30			
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			67.9	30.3	94	135	176						
DOUG FIR-T			89.4	39.8	38	63	87						
PONDEROS-L			154.9	69.0	6	21	35						
SUG.PINE-L			244.9	109.1		10	22						
TOTAL			41.1	18.3	187	229	271	80	20	9			
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			68.5	30.5	14,525	20,900	27,275						
DOUG FIR-T			98.3	43.8	4,583	8,149	11,715						
PONDEROS-L			154.9	69.0	484	1,559	2,635						
SUG.PINE-L			244.9	109.1		2,531	5,291						

TC PSTATS			PROJECT STATISTICS							PAGE	2
			PROJECT		QUINES2			DATE	11/22/2011		
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt
32S	05	36	QUINES MARK	3-4		5.00		6	22	S	W
CL	68.1	COEFF		NET BF/ACRE					# OF PLOTS REQ.		INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15	
TOTAL			49.6	22.1	25,821	33,138	40,455	117	29	13	
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			68.7	30.6	3,581	5,161	6,741				
DOUG FIR-T			91.2	40.6	1,296	2,182	3,069				
PONDEROS-L			154.9	69.0	83	267	452				
SUG.PINE-L			244.9	109.1		443	925				
TOTAL			48.2	21.5	6,323	8,053	9,783	111	28	12	

TC TSTNDSUM																
Stand Table Summary																
Project QUINES2																
T32S R05W S36 T3-4											T32S R05W S36 T3-4					
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1								
32S	05W	36	QUINES MARK	3-4	5.00	6	12	Date: 11/22/20								
								Time: 1:35:37PM								
Spc	S	Av				Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Sample Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF	L	17	1	84	109	14.318	22.57	42.96	19.5	80.0	23.92	839	3,436	120	42	17
DF	L	25	1	85	101	6.621	22.57	19.86	41.9	180.0	23.74	833	3,575	119	42	18
DF	L	26	1	83	97	6.121	22.57	18.36	44.9	173.3	23.50	825	3,183	118	41	16
DF	L	27	1	82	92	5.676	22.57	11.35	69.0	220.0	22.34	784	2,498	112	39	12
DF	L	28	1	82	105	5.278	22.57	15.83	56.1	236.7	25.31	888	3,747	127	44	19
DF	L	30	1	85	119	4.598	22.57	13.79	71.9	323.3	28.27	992	4,460	141	50	22
DF		Totals	6	84	104	42.613	135.42	122.16	42.2	171.1	147.09	5,161	20,900	735	258	104
DF	T	20	1	86	81	7.162	15.63	7.16	55.1	90.0	11.24	395	645	56	20	3
DF	T	26	2	88	100	8.476	31.25	21.19	54.9	230.0	33.18	1,164	4,874	166	58	24
DF	T	28	1	81	109	3.654	15.63	10.96	56.9	240.0	17.77	624	2,631	89	31	13
DF		Totals	4	86	94	19.292	62.50	39.31	55.5	207.3	62.20	2,182	8,149	311	109	41
SP	L	40	1	90	128	1.194	10.42	4.77	92.7	530.0	10.62	443	2,531	53	22	13
SP		Totals	1	90	128	1.194	10.42	4.77	92.7	530.0	10.62	443	2,531	53	22	13
PP	L	7	1	79	82	77.953	20.83	77.95	3.4	20.0	6.42	267	1,559	32	13	8
PP		Totals	1	79	82	77.953	20.83	77.95	3.4	20.0	6.42	267	1,559	32	13	8
Totals		12	81	91		141.052	229.17	244.20	33.0	135.7	226.32	8053	33,138	1,132	403	166

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page		1				
				Project: QUINES2										Date		11/22/2011				
														Time		11:39:39AM				
S R05W S36 T3-4														T32S R05W S36 T3-4						
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt		
32S		05W		36		QUINES MARK		3-4		5.00		6		12		S		W		
S So Gr Spp T rt ad				% 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	Bd	CF/ Lf	
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	Pt		
DF L DO 2M				51	10,735 10,735			54			44	56			100		40	495	2.91	21.7
DF L DO 3M				42	8,873 8,873			44	8	11	81		58	12	30		28	115	0.99	77.0
DF L DO 4M				7	1,292 1,292			6	44		56		72	11	18		29	55	0.73	23.5
DF L Totals				63	20,900 20,900			104	6	5	60	29	29	6	65		30	171	1.39	122.2
DF T DO CU																	27		0.00	7.2
DF T DO 2M				23	1,937 1,937			10			100			100			40	530	3.02	3.7
DF T DO 3M				56	14.8 5,331 4,543			23			14	86		100			40	291	1.95	15.6
DF T DO 4M				21	1,669 1,669			8	24		76		90		10		30	83	0.89	20.0
DF T Totals				25	8.8 8,937 8,149			41	5		23	72	18		82		33	175	1.40	46.5
PP L DO 4M				100	1,559 1,559			8	100				100				17	20	0.20	78.0
PP L Totals				5	1,559 1,559			8	100				100				17	20	0.20	78.0
SP L DO 2M				64	1,635 1,635			8			100			100			40	1370	5.52	1.2
SP L DO 3M				28	704 704			4			100			100			34	590	3.08	1.2
L DO 4M				8	191 191			1	13		88		88	13			21	80	1.10	2.4
SP L Totals				8	2,531 2,531			13	1	7	92	7	1	28	65		29	530	3.22	4.8
Type Totals					2.3 33,926 33,138			166	10	3	44	43	5	23	6	66	27	132	1.20	251.4

Log Stock Table - MBF

T32S R05W S36 Ty3-4

5.00

Project:
Acres

QUINES2

5.00

Page 1

Date 11/22/2011

Time 11:39:40AM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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	40		54	51.4							38	16						
DF	L	DO	3M	21		3	2.9					3									
DF	L	DO	3M	22		1	.6		1												
DF	L	DO	3M	25		4	3.8					4									
DF	L	DO	3M	26		1	.8		1												
DF	L	DO	3M	28		15	14.4			5		10									
DF	L	DO	3M	29		2	2.1		2												
DF	L	DO	3M	34		6	5.3						6								
DF	L	DO	3M	40		13	12.7							13							
DF	L	DO	4M	22		4	3.5					4									
DF	L	DO	4M	24		1	1.0			1											
DF	L	DO	4M	31		1	.7			1											
DF	L	DO	4M	40		1	1.1			1											
DF		Totals				104	63.1		6		5		21	6	51	16					
DF	T	DO	2M	40		10	23.8							10							
DF	T	DO	3M	40		27	14.8					3		19							
DF	T	DO	4M	26		6	15.5					6									
DF	T	DO	4M	28		1	2.9			1											
DF	T	DO	4M	39		1	2.1			1											
DF		Totals				45	8.8		41	24.6			10		29						
SP	L	DO	2M	40		8	64.6									8					
SP	L	DO	3M	34		4	27.8									4					
SP	L	DO	4M	20		1	6.6						1								
SP	L	DO	4M	21		0	.9			0											
SP		Totals				13	7.6			0				1		4	8				
PP	L	DO	4M	17		8	100.0			8											
PP		Totals				8	4.7			8											
Total		All Species				170	2.3		166	100.0		16		5		30	6	80	20	8	

TC TreeList				Plot Tree List										Page	1		
				Project										QUINES2		Date	11/22/2011
TWP	RGE	SC	TRACT	Type		Acres		Plots		Trees		CuFt		BdFt			
32S	05W	36	QUINES MARK	3-4		5.00		6		12		S		W			
Tree				C		T BoleTot				BfCf		BfCf		BfCf		BfCf	
Plot	No	PF	A Spc	S	T	DBH	FP	FF	D	Hgt	Hgt	PRDVT	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP	SgLnFiFiP
4301	0001	B11	SP	L	1	40.0	4	90	0	128	128		D240	D334	D4--		
4301	0002	B11	DF	T	1	28.0	4	82	0	109	109		D240	D4--			
4301	0003	B11	DF	T	1	26.0	4	86	0	109	109		D340	D4--			
4301	0004	B11	PP	L	1	7.0	4	80	0	82	82		D4--				
4301	0005	B11	DF	L	1	17.0	4	84	0	109	109		D3--				
4302	0001	B11	DF	T	1												
4302	0002	B11	DF	L	3												
5301	0001	B11	DF	L	1	25.0	4	86	0	101	101		D340	D4--			
5301	0002	B11	DF	T	1	26.0	4	92	0	90	90		D340	D4--			
5301	0003	B11	DF	L	1	26.0	4	83	0	97	97		D240	D3--			
5301	0004	B11	DF	T	1	20.0	4	87	0	81	81		D3404	D0--			
5302	0001	B11	DF	L	4												
5302	0002	B11	DF	T	1												
5303	0001	B11	PP	L	1												
5304	0001	B11	DF	L	1	30.0	4	86	0	120	120		D240	D334	D4--		
5304	0002	B11	DF	L	1	27.0	4	83	0	92	92		D240	D4--			
5304	0003	B11	DF	L	1	28.0	4	83	0	105	105		D240	D3--			



Oregon Department
of Forestry

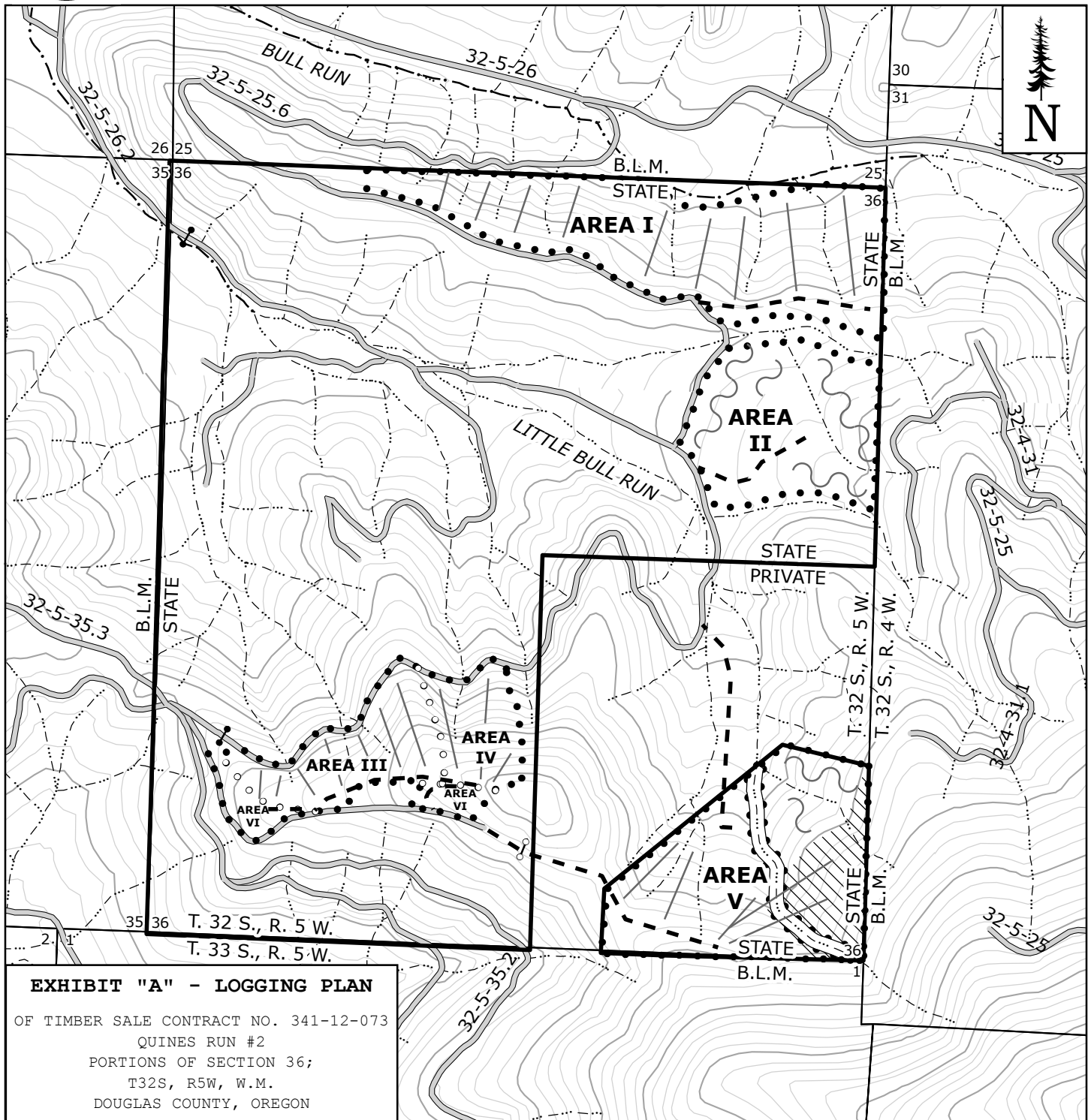


EXHIBIT "A" - LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-12-073
QUINES RUN #2
PORTIONS OF SECTION 36;
T32S, R5W, W.M.
DOUGLAS COUNTY, OREGON

0 1,000 2,000
Feet

APPROX. SCALE 1:12,000 or 1 inch = 1,000 feet

- | | | |
|--------------------------------|-----------------------------------|--------------------------------------|
| • • • • • Timber Sale Boundary | — · — · — Fish Stream | — Existing Road |
| ○ ○ ○ ○ Area Boundary | — · — · — Nonfish or Unknown Fish | — · — · — Unsurf. Road (Const. Req.) |
| Non-required thinning | — · — · — Stream Buffer (Posted) | • Gate (Existing) |
| State Forests Ownership | | ○ Gate (New) |
| Section Line | | — Cable |
| | | Tractor |

40' Contour Interval