"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Nine To Five
Sale 341-09-28

District: Forest Grove **Date:** July 09, 2008

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,561,216.08	$8,953.60	$1,570,169.68
		Project Work:	$(356,405.00)
		Advertised Value:	$1,213,764.68

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Nine To Five
Sale 341-09-28

District: **Forest Grove** **Date:** **July 09, 2008**

timber description

Location: Portions of Sections 20, 21, 22, 26, 27, & 28, T1S, R6W, W.M., Washington County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	98
Alder (Red)	12	0	95

Volume by Grade	2S	3S	4S	Camprur	Total
Douglas - Fir	1,319	4,015	1,347	0	6,681
Alder (Red)	0	0	0	20	20
Total	1,319	4,015	1,347	20	6,701

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District: Forest Grove **Date: July 09, 2008**

comments: Pond Values Used: 2nd Quarter Calendar Year 2008

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
$872/MBF = $1,075/MBF - $203/MBF

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost
$127/MBF = $330/MBF - $203/MBF

SCALING COST ALLOWANCE = $5.00/MBF

FUEL COST ALLOWANCE = $4.50/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to $700 daily truck cost.

Other Costs (with Profit & Risk to be added):
Brand and Paint: $1/MBF x 6,701MBF = $6,701
Snag Creation: Top 210 trees @ $40 per tree = $8,400
Intermediate Supports: 14 @ $100.00 each = $1,400
TOTAL Other Costs (with Profit and Risk to be added) =$16,501

Other Costs (No Profit & Risk to be added):
Machine Time: Block skid roads and sort woody debris for firewood; 20 hours @ $150/hr. = $3,000
TOTAL Other Costs (No Profit & Risk added) = $3,000

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Nine To Five
Sale 341-09-28

District: **Forest Grove** **Date:** **July 09, 2008**

logging conditions

combination#: 1

	Douglas - Fir	72.45%	
	Alder (Red)	70.00%	
yarding distance:	Medium (800 ft)	**downhill yarding:**	No
logging system:	Cable: Medium Tower >40 - <70	**Process**:	Stroke Delimber
tree size:	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	7.0	**bd. ft / load:**	4,000
cost / mbf:	$119.43		

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

combination#: 2

	Douglas - Fir	27.55%	
	Alder (Red)	30.00%	
yarding distance:	Short (400 ft)	**downhill yarding:**	No
logging system:	Shovel	**Process**:	Manual Delimbing
tree size:	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	8.0	**bd. ft / load:**	4,000
cost / mbf:	$78.27		

machines:
Shovel Logger

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Nine To Five
Sale 341-09-28

District: Forest Grove **Date:** July 09, 2008

logging costs

Operating Seasons:	2.00	**Profit Risk:**	15.00%
Project Costs:	$356,405.00	**Other Costs (P/R):**	$16,501.00
Slash Disposal:	$0.00	**Other Costs:**	$3,000.00

Miles of Road

Road Maintenance: $0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	10.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	4.0
Alder (Red)	$49.30	2.0	2.5

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Nine To Five
Sale 341-09-28

District: Forest Grove **Date:** July 09, 2008

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
$108.09	$8.36	$1.31	$51.73	$2.46	$25.79	$0.00	$5.00	$0.45	$203.19
Alder (Red)									
$107.08	$8.61	$1.31	$51.73	$2.46	$25.68	$0.00	$5.00	$0.45	$202.32

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$436.87	$233.68	$0.00
Alder (Red)	$0.00	$650.00	$447.68	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Nine To Five
Sale 341-09-28

District: Forest Grove **Date:** July 09, 2008

summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	6,681	$233.68	$1,561,216.08
Alder (Red)	20	$447.68	$8,953.60

Gross Timber Sale Value

Recovery: $1,570,169.68

Prepared by: Andrew Walker **Phone:** 503-359-7465

PROJECT COST SUMMARY SHEET

Timber Sale: Nine to Five

Sale Number: 341-09-28

PROJECT NO. 1: ROAD CONSTRUCTION AND IMPROVEMENT

CONSTRUCTION

Road Segment	Length	Cost
A to B	9+00	$2,145.50
C to D	9+50	$2,229.73
E to F	5+60	$1,952.40
G to H	16+20	$7,034.94
I to J	8+30	$2,091.05
I to K	7+70	$1,830.63
L to M	3+70	$1,065.75
N to O	9+60	$2,769.44
P to Q	16+90	$4,086.23
R to S	3+30	$849.19
T to U	1+80	$631.94
V to W	10+30	$2,615.41
	101+90	stations
	1.93	miles

SUBTOTAL CONSTRUCTION $29,302.21

TOTAL PROJECT NO. 1 COST = $29,302.21

PROJECT NO. 2: SURFACING

Road Segment	Amount	Type	Cost
A to B	646 cy	4"-0	$10,058.22
C to D	695 cy	4"-0	$10,821.15
E to F	421 cy	4"-0	$6,815.99
G to H	1,092 cy	4"-0	$18,149.04
I to J	625 cy	4"-0	$10,575.00
I to K	543 cy	4"-0	$9,187.56
L to M	311 cy	4"-0	$5,566.90
N to O	681 cy	4"-0	$12,407.82
P to Q	1,088 cy	4"-0	$19,888.64
R to S	291 cy	4"-0	$5,281.65
T to U	204 cy	4"-0	$3,723.00
V to W	745 cy	4"-0	$14,095.40
Total	7,342 cy	4" - 0	

TOTAL PROJECT NO. 2 COST = $126,570.37

PROJECT NO. 3: GRASS SEEDING AND FERTILIZING

Grass seed and fertilize areas of disturbed soil.	$927.00

TOTAL PROJECT NO. 3 COST = $927.00

PROJECT NO. 4: BLOCKING

Block and Vacated Renegade Trails	$810.00

TOTAL PROJECT NO. 4 COST = $810.00

PROJECT NO. 5: STOCKPILE

Crush and build 15,000 CY stockpile	$194,550.00

TOTAL PROJECT NO. 5 COST = $194,550.00

MOVE IN $4,242.69

TOTAL ALL PROJECTS $356,402.27

TOTAL CREDITS $356,405.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **A to B** Construction: 9+00 stations

0.17 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.80	acres @	$784.00	per acre =	$627.20	
Balanced Road Construction	9.00	sta @	$90.00	per sta =	$810.00	
Construct "Y" Junction (1)	1.00	sta @	$90.00	per sta =	$90.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	9.00	sta @	$28.70	per sta =	$258.30	
				TOTAL EXCAVATION COSTS=		**$2,145.50**

PROJECT NO. 1 TOTAL COST = $2,145.50

PROJECT NO. 2:

SURFACING							
	10	" deep =	58 cy/sta				
A to B	522	cy of	4" - 0	@	$15.57	per cy =	$8,127.54
Turnouts (1)	28	cy of	4" - 0	@	$15.57	per cy =	$435.96
Landing (1)	80	cy of	4" - 0	@	$15.57	per cy =	$1,245.60
Turnaround	16	cy of	4" - 0	@	$15.57	per cy =	$249.12
Total =							
	646	cy of	4" - 0				

PROJECT NO. 2 TOTAL COST = $10,058.22

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.40	acres @	$200.00	per acre =	$80.00	

PROJECT NO. 3 TOTAL COST = $80.00

TOTAL COST = $12,283.72

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **C to D** Construction: 9+50 stations

0.18 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.87	acres @	$784.00	per acre =		$682.08	
Balanced Road Construction	9.50	sta @	$90.00	per sta =		$855.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =		$60.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =		$75.00	
Landing	1	ea @	$285.00	per ea =		$285.00	
Grade, Ditch, and Roll	9.50	sta @	$28.70	per sta =		$272.65	
					TOTAL EXCAVATION COSTS=		**$2,229.73**

PROJECT NO. 1 TOTAL COST = $2,229.73

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta					
C to D	551	cy of	4" - 0	@	$15.57	per cy =		$8,579.07
Curve Widening	0	cy of	4" - 0	@	$15.57	per cy =		$0.00
Turnouts (1)	28	cy of	4" - 0	@	$15.57	per cy =		$435.96
Junction	20	cy of	4" - 0	@	$15.57	per cy =	0.00	$311.40
Landing (1)	80	cy of	4" - 0	@	$15.57	per cy =		$1,245.60
Turnaround	16	cy of	4" - 0	@	$15.57	per cy =		$249.12
Total =	695	cy of	4" - 0					

PROJECT NO. 2 TOTAL COST = $10,821.15

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.44 acres @	$200.00	per acre =	$87.00	

PROJECT NO. 3 TOTAL COST = $87.00

TOTAL COST = $13,137.88

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **E to F** Construction: 5+60 stations

0.11 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.52	acres @	$784.00	per acre =	$407.68	
Balanced Road Construction	5.60	sta @	$90.00	per sta =	$504.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Approach to landing	0.00	sta @	$90.00	per sta =	$0.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	5.60	sta @	$28.70	per sta =	$160.72	
Grade and Roll (Outslope)	0.00	sta @	$27.20	per sta =	$0.00	
				TOTAL EXCAVATION COSTS=		$1,432.40

CULVERTS - MATERIALS & INSTALLATION

Culverts

30	LF of 18"	$510.00	0	LF of 24"	$0.00
0	LF of 30"	$0.00	0	LF of 36"	$0.00
0	LF of 42"				
0	LF of 54"				
		$510.00			$0.00

Half Rounds

0	LF of 21"	$0.00	0	LF of 30"	$0.00
0	LF of 36"		0	LF of 42"	
0	LF of 48"		0	LF of 54"	
0	LF of 60"		0	LF of 66"	
		$0.00			$0.00

Culvert Markers

1 markers $10.00

TOTAL CULVERT COSTS = **$520.00**

PROJECT NO. 1 TOTAL COST = $1,952.40

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
E to F	325	cy of	4" - 0	@	$16.19	per cy =	$5,261.75
Landing (1)	80	cy of	4" - 0	@	$16.19	per cy =	$1,295.20
Turnaround	16	cy of	4" - 0	@	$16.19	per cy =	$259.04
Total =	421	cy of	4" - 0				

PROJECT NO. 2 TOTAL COST = $6,815.99

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.26	acres @	$200.00	per acre =	$52.00

PROJECT NO. 3 TOTAL COST = $52.00

TOTAL COST = $8,820.39

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **G to H** Construction: 16+20 stations

0.31 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.50	acres @	$784.00	per acre =	$1,176.00	
Balanced Road Construction	16.20	sta @	$90.00	per sta =	$1,458.00	
Drift	1.00	sta @	$150.00	per sta =	$150.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =	$60.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	16.20	sta @	$28.70	per sta =	$464.94	
				TOTAL EXCAVATION COSTS=		**$3,668.94**

CULVERTS - MATERIALS & INSTALLATION

Culverts

30	LF of 18"	$510.00	40	LF of 24"	$960.00
0	LF of 30"	$0.00	0	LF of 36"	$0.00
0	LF of 42"				
0	LF of 54"				
		$510.00			$960.00

Half Rounds

20	LF of 21"	$336.00	0	LF of 30"	$0.00
0	LF of 36"		0	LF of 42"	
0	LF of 48"		0	LF of 54"	
0	LF of 60"		0	LF of 66"	
		$336.00			$0.00

Culvert Markers

6 markers $60.00

TOTAL CULVERT COSTS = **$3,366.00**

PROJECT NO. 1 TOTAL COST = $7,034.94

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
G to H	940	cy of	3" - 0	@	$16.62	per cy =	$15,622.80
Turnouts (1)	56	cy of	3" - 0	@	$16.62	per cy =	$930.72
Landing (1)	80	cy of	3" - 0	@	$16.62	per cy =	$1,329.60
Turnaround	16	cy of	6" - 0	@	$16.62	per cy =	$265.92
Total =	1092	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $18,149.04

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.75 acres @	$200.00	per acre =	$150.00	

PROJECT NO. 3 TOTAL COST = $150.00

TOTAL COST = $25,333.98

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **I to J** Construction: 8+30 stations

0.16 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.76	acres @	$784.00	per acre =		$595.84	
Balanced Road Construction	8.30	sta @	$90.00	per sta =		$747.00	
Construct "Y" Junction (1)	1.00	sta @	$90.00	per sta =		$90.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =		$60.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =		$75.00	
Landing	1	ea @	$285.00	per ea =		$285.00	
Grade, Ditch, and Roll	8.30	sta @	$28.70	per sta =		$238.21	
					TOTAL EXCAVATION COSTS=		**$2,091.05**

PROJECT NO. 1 TOTAL COST = $2,091.05

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta					
I to J	481	cy of	3" - 0	@	$16.92	per cy =		$8,138.52
Turnouts (1)	28	cy of	3" - 0	@	$16.92	per cy =		$473.76
Junction	20	cy of	3" - 0	@	$16.92	per cy =	0.00	$338.40
Landing (1)	80	cy of	3" - 0	@	$16.92	per cy =		$1,353.60
Turnaround	16	cy of	6" - 0	@	$16.92	per cy =		$270.72
Total =	625	cy of	3" - 0					

PROJECT NO. 2 TOTAL COST = $10,575.00

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.38	acres @	$200.00	per acre =	$76.00

PROJECT NO. 3 TOTAL COST = $76.00

TOTAL COST = $12,742.05

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **I to K** Construction: 7+70 stations

0.15 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.71	acres @	$784.00	per acre =	$556.64	
Balanced Road Construction	7.70	sta @	$90.00	per sta =	$693.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	7.70	sta @	$28.70	per sta =	$220.99	
					TOTAL EXCAVATION COSTS=	**$1,830.63**

PROJECT NO. 1 TOTAL COST = $1,830.63

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
I to K	447	cy of	3" - 0	@	$16.92	per cy =	$7,563.24
Turnaround	16	cy of	3" - 0	@	$16.92	per cy =	$270.72
Landing (1)	80	cy of	3" - 0	@	$16.92	per cy =	$1,353.60
Total =	543	cy of	4" - 0				

PROJECT NO. 2 TOTAL COST = $9,187.56

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.36	acres @	$200.00	per acre =	$71.00

PROJECT NO. 3 TOTAL COST = $71.00

TOTAL COST = $11,089.19

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **L to M** Construction: 3+70 stations

0.07 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.34	acres @	$784.00	per acre =	$266.56	
Balanced Road Construction	3.70	sta @	$90.00	per sta =	$333.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	3.70	sta @	$28.70	per sta =	$106.19	
					TOTAL EXCAVATION COSTS=	**$1,065.75**

PROJECT NO. 1 TOTAL COST = $1,065.75

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
L to M	215	cy of	3" - 0	@	$17.90	per cy =	$3,848.50
Landing (1)	80	cy of	3" - 0	@	$17.90	per cy =	$1,432.00
Turnaround	16	cy of	6" - 0	@	$17.90	per cy =	$286.40
Total =							
	311	cy of	4" - 0				

PROJECT NO. 2 TOTAL COST = $5,566.90

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.17	acres @	$200.00	per acre =	$34.00

PROJECT NO. 3 TOTAL COST = $34.00

TOTAL COST = $6,666.65

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **N to O** Construction: 9+60 stations

0.18 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.88	acres @	$784.00	per acre =	$689.92	
Balanced Road Construction	9.60	sta @	$90.00	per sta =	$864.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =	$60.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	9.60	sta @	$28.70	per sta =	$275.52	
				TOTAL EXCAVATION COSTS=		**$2,249.44**

CULVERTS - MATERIALS & INSTALLATION

Culverts

30	LF of 18"	$510.00	0	LF of 24"	$0.00
0	LF of 30"	$0.00	0	LF of 36"	$0.00
0	LF of 42"				
0	LF of 54"				
		$510.00			$0.00

Half Rounds

0	LF of 21"	$0.00	0	LF of 30"	$0.00
0	LF of 36"		0	LF of 42"	
0	LF of 48"		0	LF of 54"	
0	LF of 60"		0	LF of 66"	
		$0.00			$0.00

Culvert Markers

1 markers $10.00

TOTAL CULVERT COSTS = **$520.00**

PROJECT NO. 1 TOTAL COST = $2,769.44

PROJECT NO. 2:

SURFACING

	10	" deep =	58 cy/sta					
N to O	557	cy of	3" - 0	@	$18.22	per cy =	$10,148.54	
Turnouts (1)	28	cy of	3" - 0	@	$18.22	per cy =	$510.16	
Landing (1)	80	cy of	3" - 0	@	$18.22	per cy =	$1,457.60	
Turnaround	16	cy of	6" - 0	@	$18.22	per cy =	$291.52	
Total =								
	681	cy of	4" - 0					

PROJECT NO. 2 TOTAL COST = $12,407.82

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.44 acres @	$200.00	per acre =	$88.00	

PROJECT NO. 3 TOTAL COST = $88.00

TOTAL COST = $15,265.26

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **P to Q** Construction: 16+90 stations

0.32 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.55	acres @	$784.00	per acre =	$1,215.20	
Balanced Road Construction	16.90	sta @	$90.00	per sta =	$1,521.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =	$60.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	16.90	sta @	$28.70	per sta =	$485.03	
				TOTAL EXCAVATION COSTS=		**$3,566.23**

CULVERTS - MATERIALS & INSTALLATION

Culverts

30	LF of 18"	$510.00	0	LF of 24"	$0.00
0	LF of 30"	$0.00	0	LF of 36"	$0.00
0	LF of 42"				
0	LF of 54"				
		$510.00			$0.00

Half Rounds

0	LF of 21"	$0.00	0	LF of 30"	$0.00
0	LF of 36"		0	LF of 42"	
0	LF of 48"		0	LF of 54"	
0	LF of 60"		0	LF of 66"	
		$0.00			$0.00

Culvert Markers

1 markers $10.00

TOTAL CULVERT COSTS = **$520.00**

PROJECT NO. 1 TOTAL COST = $4,086.23

PROJECT NO. 2:

SURFACING

	10	" deep =	58 cy/sta				
P to Q	980	cy of	3" - 0	@	$18.28	per cy =	$17,914.40
Turnouts (1)	28	cy of	3" - 0	@	$18.28	per cy =	$511.84
Landing (1)	80	cy of	3" - 0	@	$18.28	per cy =	$1,462.40
Total =							
	1088	cy of	4" - 0				

PROJECT NO. 2 TOTAL COST = $19,888.64

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.78 acres @	$200.00	per acre =	$155.00	

PROJECT NO. 3 TOTAL COST = $155.00

TOTAL COST = $24,129.87

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **R to S** Construction: 3+30 stations

0.06 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.22	acres @	$784.00	per acre =	$172.48	
Balanced Road Construction	3.30	sta @	$90.00	per sta =	$297.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	3.30	sta @	$28.70	per sta =	$94.71	
				TOTAL EXCAVATION COSTS=		$849.19

PROJECT NO. 1 TOTAL COST = $849.19

PROJECT NO. 2:

SURFACING

	10	" deep =	58 cy/sta					
R to S	191	cy of	3" - 0	@	$18.15	per cy =		$3,466.65
Junction	20	cy of	3" - 0	@	$18.15	per cy =	0.00	$363.00
Landing (1)	80	cy of	3" - 0	@	$18.15	per cy =		$1,452.00
Total =	291	cy of	4" - 0					

PROJECT NO. 2 TOTAL COST = $5,281.65

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.11	acres @	$200.00	per acre =	$22.00

PROJECT NO. 3 TOTAL COST = $22.00

TOTAL COST = $6,152.84

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **T to U** Construction: 1+80 stations

0.03 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.17	acres @	$784.00	per acre =	$133.28	
Balanced Road Construction	1.80	sta @	$90.00	per sta =	$162.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	1.80	sta @	$28.70	per sta =	$51.66	
				TOTAL EXCAVATION COSTS=		$631.94

PROJECT NO. 1 TOTAL COST = $631.94

PROJECT NO. 2:

SURFACING

	10	" deep =	58 cy/sta					
T to U	104	cy of	3" - 0	@	$18.25	per cy =		$1,898.00
Junction	20	cy of	3" - 0	@	$18.25	per cy =	0.00	$365.00
Landing (1)	80	cy of	3" - 0	@	$18.25	per cy =		$1,460.00
Total =	204	cy of	3" - 0					

PROJECT NO. 2 TOTAL COST = $3,723.00

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.09	acres @	$200.00	per acre =	$17.00

PROJECT NO. 3 TOTAL COST = $17.00

TOTAL COST = $4,371.94

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Nine to Five** Timber Sale No. : 341-09-28

Road Segment: **V to W** Construction: 10+30 stations

0.20 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.95	acres @	$784.00	per acre =	$744.80	
Balanced Road Construction	9.00	sta @	$90.00	per sta =	$810.00	
Drift	2.30	sta @	$150.00	per sta =	$345.00	
Construct Turnouts (1)	1	ea @	$60.00	per ea =	$60.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade, Ditch, and Roll	10.30	sta @	$28.70	per sta =	$295.61	
				TOTAL EXCAVATION COSTS=		**$2,615.41**

PROJECT NO. 1 TOTAL COST = $2,615.41

PROJECT NO. 2:

SURFACING							
V to W	597	cy of	3" - 0	@	$18.92	per cy =	$11,295.24
Curve Widening	24	cy of	3" - 0	@	$18.92	per cy =	$454.08
Turnouts (1)	28	cy of	3" - 0	@	$18.92	per cy =	$529.76
Landing (1)	80	cy of	3" - 0	@	$18.92	per cy =	$1,513.60
Turnaround	16	cy of	6" - 0	@	$18.92	per cy =	$302.72
Total =	745	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $14,095.40

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.48	acres @	$200.00	per acre =	$95.00	

PROJECT NO. 3 TOTAL COST = $95.00

TOTAL COST = $16,805.81

SUMMARY OF CONSTRUCTION COST

Project No. 4 - BLOCKING

Timber Sale: **Nine to Five** Road: **Point X**

PROJECT NO. 4:

Block renegade trails at Point X by constructing tank traps and placing stumps (obtained locally)	5 hrs @	$	150.00	per hr =	$750.00
Grass seed and fertilize areas of disturbed soil.	0.30 acres @	$	200.00	per acre	$60.00

TOTAL COST = $810.00

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Timber Sale: Nine to Five

Sale Number: 341-09-28

Pit Name: Barney

Swell:	1.30	Stockpile	15,000 cy
Shrinkage:	1.16	4"-0 (trk measure)	7,342 cy
Drill Pct.:	100%	Total Truck Yardage:	22,342 cy
		Total In Place Yardage:	17,186 cy

Scalp & Clear Overburden:	$150.00	/hr	x	0 hr	=	$0.00
Drill & Shoot (Down holes):	$2.50	/cy	x	17,186 cy	=	$42,965.38
Drill & Shoot (Lifters):	$4.60	/cy	x	0 cy	=	$0.00
Rip Rock:	$1.90	/cy	x	0 cy	=	$0.00
Push Rock:	$0.70	/cy	x	22,342 cy	=	$15,639.40
Oversize Reduction:	$4.50	/cy	x	1,719 cy	=	$7,733.77
Load Crusher:	$0.70	/cy	x	22,342 cy	=	$15,639.40
Crushing (3/4" - 0):	$3.60	/cy	x	17,186 cy	=	$61,870.15
Crushing (1-1/2" - 0):	$3.00	/cy	x	15,000 cy	=	$45,000.00
Crushing (3" - 0):	$2.60	/cy	x	7,342 cy	=	$19,089.20
Screening 10"-3" Drain Rock:	$3.40	/cy	x	0 cy	=	$0.00
Screening Overburden w/Plant:	$2.60	/cy	x	0 cy	=	$0.00
Waste Reject:	$0.85	/cy	x	0 cy	=	$0.00
Build and Shape Stockpile:	$1.00	/cy	x	15,000 cy	=	$15,000.00
Load Dump Truck:	$0.70	/cy	x	22,342 cy	=	$15,639.40
					Subtotal	$238,576.71

Move in Crusher (2 Stage)					$2,987.00
Set up Crusher					$2,898.00
Move in and set up Drill and Compressor					$290.00
Move in Screening Plant					$465.00
Move in Excavator					$750.00
Move in D-8					$750.00
Move in Loaders					$570.00
Clean Up Pit					$300.00
Gradation Tests ($65/2000 cy)	$65.00	cy/2000cy x	12	tests	$780.00
Change Gradation					$210.00
				Subtotal	$10,000.00

PIT DEVELOPMENT COST $11.13/cy

TOTAL PRODUCTION COST $248,576.71

Move-In Calculations

Timber Sale: **Nine to Five**
Sale Number: **341-09-28**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
9.0	Main Lines	**7**
0.0	Steep Grades	**2**

No.	EQUIPMENT DESCRIPTION	Base Cost	Woods Cost	Pilot Cars	Within Area Move ($/mile)	Begin Mileage	End Mileage	Total Miles	Within Cost	Total Cost
0	Drill & Compressor	$0.00	$0.00		$46.00	0.0	0.0	$0.00	$0.00	$0.00
0	Brush Cutter	$0.00	$0.00		$4.00	0.0	0.0	$0.00	$0.00	$0.00
1	Graders	$300.00	$231.43		$3.65	0.0	0.0	$0.00	$0.00	$531.43
0	Loader (Small)	$0.00	$0.00	1	$3.55	0.0	0.0	$0.00	$0.00	$0.00
1	Loader (Med. & Large)	$414.39	$309.03	1	$9.00	0.0	0.0	$0.00	$0.00	$723.42
1	Rollers (smooth/grid) & Compactors	$308.59	$247.25		$5.00	0.0	0.0	$0.00	$0.00	$555.84
0	Excavators (Small)	$0.00	$0.00		$22.00	0.0	0.0	$0.00	$0.00	$0.00
0	Excavators (Med.)	$0.00	$0.00		$35.50	0.0	0.0	$0.00	$0.00	$0.00
1	Excavators (Large)	$466.14	$348.95	1	$44.80	0.0	0.0	$0.00	$0.00	$815.09
0	Tired Backhoes/Skidders	$0.00	$0.00		$3.00	0.0	0.0	$0.00	$0.00	$0.00
0	Tractors (D6)	$0.00	$0.00	2	$7.10	0.0	0.0	$0.00	$0.00	$0.00
0	Tractors (D7)	$0.00	$0.00	2	$11.30	0.0	0.0	$0.00	$0.00	$0.00
1	Tractor (D8)	$473.80	$325.29	2	$15.10	0.0	0.0	$0.00	$0.00	$799.09
3	Dump Truck (10 cy +)	$350.00	$270.00		$2.85	0.0	0.0	$0.00	$0.00	$620.00
0	Dump Truck (Off Hiway)	$0.00	$0.00	1	$4.75	0.0	0.0	$0.00	$0.00	$0.00
0	Water Truck (1500 Gal)	$0.00	$0.00		$2.85	0.0	0.0	$0.00	$0.00	$0.00
1	Water Truck (2500 Gal)	$111.67	$86.15		$2.85	0.0	0.0	$0.00	$0.00	$197.82
							TOTAL MOVE-IN COSTS:			$4,242.69

TIMBER SALE SUMMARY
Nine to Five
Contract No. 341-09-28

1. **Type of Sale:** Auto-mark partial cut (PC-M) in Area 1, partial cut heavy (PC-H) in Area 2, and 3. The sale is recovery, sealed bid auction.

2. **Revenue Distribution:** 100% BOF, Washington County.

3. **Sale Acreage:** Area 1 is 420 net acres. Area 2 is 22 acres in net acres. Area 3 is 11 net acres. Area 4 is 8 net acres of R/W (new construction). The sale is recovery, sealed bid auction. Acreage was determined using GIS.

SPECIES	2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir					
Area 1	1,294	3.646	1,195		**6,135**
Area 2	0	167	84		**251**
Area 3	7	150	52		**209**
Area 4 (R/W)	18	52	16		**86**
Total:					
Alder / Other Hardwoods				20	**20**
TOTAL:					**6,701**

4. **Cruise Data**: Area 1, 2, and 3 was variable-plot cruised with full plots. Plot data was taken from SLI and transferred into SuperACE for computing cruise information. The right of way volume for Area 4, new road construction was calculated using the combined take and leave tree volumes from Area 1. A conifer top cruise diameter of 7 inches DOB was used. Cruise statistics: DF take trees: CV = 59.4%, SE =9.3 %.

5. **Timber Description:** Areas 1, 2, and 3 are medium to well stocked, unmanaged stands of Douglas-fir with a minor component of other conifer and hardwoods. The stands ages range from approximately 44-50 years old. The stands do not show significant signs of Phellinus infection but there are a few distinct pockets. The average DF take-tree DBH is 13.5 inches. Estimated DF take-tree volume averages 15 MBF per acre.

6. **Topography and Logging Method:** The elevation ranges from 1300 ft to 2400 ft with average slope being approximately 40%. The sale area is roughly 70% cable yarding and 30% ground based yarding (percentages are based on MBF harvested).

7. **Access:** From Yamhill, take Pike Road west. Drive approximately 7 miles to Turner Creek Road. Drive another 4.75 miles and turn right onto the North Fork of Trask River Road (a.k.a. Barney Rd.). Drive another 6.5 miles to into the timber sale area. There are two gates along this route that may require a key or combination.

8. **Projects:**

Project No. 1 Constructing 1.93 miles of new road:	**$ 29,302.21**
Project No. 2 Surfacing 1.93 miles of road:	**$ 126,570.37**
Project No. 3 Grass seed and fertilize:	**$ 927.00**
Project No. 4: Blocking:	**$ 810.00**
Project No. 5: Crush and build a 15,000 CY stockpile:	**$ 194,550.00**
Move in cost:	**$ 4,242.69**
Total Project Cost:	**$ 356,405.00**

9. **Other Costs:**

Other Costs with (P/R):

Brand and paint ($1.00/MBF):	**$ 6,701.00**
Intermediate Supports/ Tail Tree Rigging (14 @ $100.00 each):	**$ 1,400.00**
Snag creation (210 trees @ $40.00/tree):	**$ 8,400.00**
Total (P/R):	**$ 16,501.00**

Other Costs (No P/R):

Skid Trail/firewood sorting /(40 hrs. @ $150.00/hr):	**$ 3,000.00**
Total (No P/R):	**$ 3,000.00**
TOTAL:	**$ 19,501.00**

CRUISE REPORT
Nine to Five
341-09-28

1. Acreage Calculation: Area 1 has 420 net acres. Area 2 is 22 net acres. Area 3 is 11 net acres. Area 4 (R/W) is 8acres. All acres were determined using ArcView computer program.

2. Cruise Method: The area was initially cruised by the Stand Level Inventory (SLI) by IRM contract cruisers. Later additional plots were added to reduce the standard error to a tolerable amount. The plots were cruised using a 40, 25, and 33.6 BAF. Take trees and saw grades were assigned based on the height, diameter and damage/defect measurements provided by the SLI cruise and observations made in the field. Statistics were generated from plot data by using the Super Ace 2004 program.

3. Sampling Intensity:

Area 1	Estimated	Actual
CV	65	59.4
SE	11	9.3
No of Plots	40	41

Area 2	Estimated	Actual
CV	50	50.8
SE	14	14.1
No of Plots	12	14

Area 3	Estimated	Actual
CV	15	17.0
SE	5	5.1
No of Plots	9	12

* Reported numbers are based upon calculations based upon take trees.

4. Form Factors: Form factors were estimated using a form point of 16 feet.

5. Height Standards: Merchantable heights were estimated to the nearest foot.

6. Diameter Standards: Diameters were measured outside bark at breast height to the nearest inch.

7. Grading System: All trees were graded favoring 40 foot segments.

8. Merchantable Top: Conifer merchantable tops were measured to 7 inches, hardwood to 8 inches or 25% of DOB.

9. Computation Procedures: Volumes for Area 1, 2, and 3 were computed using the Super Ace 2004 program. Area 4 R/W is 8 acres of the timber sale area (determined using ArcGIS).

10. Deductions: Two percent of the conifer volume was subtracted from the computed volumes to

account for hidden defect and breakage.

11. Cruisers: The sale was cruised by IRM contract cruisers in September 2005 and Drew Walker in December 2007. Office calculations were prepared by Drew Walker in March 2008.

12. Signatures:

Prepared by: Drew Walker 6/23/08
Drew Walker Date

Unit Forester: Erik Marcy 6-22-08
Erik Marcy Date

CRUISE PLAN
Nine to Five
341-09-28

Partial Cut (Area 1)
- CV = 59.4% (take trees)
- SE = 9.3%
- 40 Plots Needed
- 41 SLIP plots were measured in three stands using a 40 BAF, and a 25 BAF.

Partial Cut (Area 2)
- CV = 50.8% (take trees)
- SE =14.1 %
- 12 Plots Needed
- 14 SLIP plots were measured using a 33.6 BAF.

Partial Cut (Area 3)
- CV = 17% (take trees)
- SE = 5.1%
- 9 Plots Needed
- 12 field plots were measured using a 33.6 BAF.

1. Cruise Type: Variable plot, Full plots, SLIP cruise.

2. Spacing – Partial Cut (Area 1, 2, 3): Plot spacing—3 chains, Line spacing—4 chains.

3. Required Data All Species:
    1. Measure DBH, height and grade on all take trees on every plot.
    2. Measure DBH and height, and estimate grade on all leave trees on every plot.
    3. Take form factor on each conifer leave and take tree.

4. Measurement Standards:
    1. View all conifers at DBH
    2. View all hardwoods at DBH
    3. Form point is at 16 feet
    4. Record conifers and hardwoods to the nearest foot
    5. Diameter taken outside bark at breast height
    6. Top cruise diameter for conifer is 7 inches outside bark or 25% of DBH whichever is larger
    7. Top cruise diameter for hardwoods is 8 inches outside bark or 25% of DBH whichever is larger

5. Special Considerations:
    1. Plots should be no closer than one chain from any boundary.
    2. Plot centers will be marked with blue ribbon.

Approved By: Erik Marcy — Erik Marcy — 6-22-08 — Date

Prepared By: Drew Walker — Drew Walker — 6-23-08 — Date

Residual Stand Specifications

Sale Name: Nine to Five
Sale Number: 341-09-28

AREA 1

Residual QMD assumption (from cruise leave tree information) - 22.
Target Relative Density - 26

	Minimum	Target	Maximum
Relative Density	23	26	28
Basal Area	110	120	130
Trees per Acre	30	37	44

AREA 2

Residual QMD assumption (from cruise leave tree information) - 18.
Target Relative Density - 23

	Minimum	Target	Maximum
Relative Density	21	23	25
Basal Area	90	100	110
Trees per Acre	53	57	61

AREA 3

Residual QMD assumption (from cruise leave tree information) - 21.
Target Relative Density - 24

	Minimum	Target	Maximum
Relative Density	30	24	34
Basal Area	100	110	120
Trees per Acre	43	45	48

TC PLOGSTVB
ODF

Log Stock Table - MBF

T01S R06W S21 TyPC 420.00

Project: 9TO5
Acres 420.00

Page 1
Date 6/19/2008
Time 7:10:13AM

Spp	ST	Sort	Grade	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+
DL		DO	2S	40	4,429		4,429	64.1						675	1247	1791	617	98		
DL		DO	3S	32	89		89	1.3			43	8	39							
DL		DO	3S	40	2,061		2,061	29.8			198	277	1065	387	133					
DL		DO	4S	12	3		3	.0			3									
DL		DO	4S	13	1		1	.0			1									
DL		DO	4S	14	2		2	.0			2									
DL		DO	4S	15	2		2	.0			2									
DL		DO	4S	16	3		3	.0			3									
DL		DO	4S	17	10		10	.1			10									
DL		DO	4S	18	25		25	.4			25									
DL		DO	4S	19	11		11	.2			11									
DL		DO	4S	20	6		6	.1			6									
DL		DO	4S	21	10		10	.1			10									
DL		DO	4S	22	3		3	.0			3									
DL		DO	4S	23	4		4	.1			4									
DL		DO	4S	24	49		49	.7			49									
DL		DO	4S	25	5		5	.1			5									
DL		DO	4S	26	6		6	.1			6									
DL		DO	4S	27	4		4	.1			4									
DL		DO	4S	28	5		5	.1			5									
DL		DO	4S	29	3		3	.0			3									
DL		DO	4S	30	10		10	.1			10									
DL		DO	4S	32	152		152	2.2			152									
DL		DO	4S	40	21		21	.3			21									
DL		Totals			6,912		6,912	45.2			575	285	1104	1062	1380	1791	617	98		
DT		DO	2S	40	1,320		1,320	21.1						612	496	211				
DT		DO	3S	32	653		653	10.4			85	330	202	35						
DT		DO	3S	40	3,068		3,068	49.0			1125	790	799	355						
DT		DO	4S	12	17		17	.3		10	7									
DT		DO	4S	13	31		31	.5			31									
DT		DO	4S	14	9		9	.1			9									
DT		DO	4S	15	21		21	.3			21									
DT		DO	4S	17	36		36	.6			36									
DT		DO	4S	18	28		28	.4			28									
DT		DO	4S	19	16		16	.2			16									
DT		DO	4S	20	15		15	.2			15									

TC PLOGSTVB
ODF

Log Stock Table - MBF

T01S R06W S21 TyPC 420.00

Project: 9TO5
Acres 420.00

Date 6/19/2008
Time 7:10:13AM

Spp	ST	Sort	Grade	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+
DT		DO	4S	21	66		66	1.1			66									
DT		DO	4S	22	44		44	.7			44									
DT		DO	4S	23	13		13	.2			13									
DT		DO	4S	24	7		7	.1			7									
DT		DO	4S	25	30		30	.5		30										
DT		DO	4S	27	4		4	.1			4									
DT		DO	4S	31	101		101	1.6			101									
DT		DO	4S	32	555		555	8.9		13	542									
DT		DO	4S	40	224		224	3.6		52	153	20								
DT		Totals			6,259		6,259	41.0		104	2305	1140	1001	1002	496	211				
HL		DO	2S	32	36		36	2.4							36					
HL		DO	2S	40	385		385	25.5						42	205	89	49			
HL		DO	3S	32	110		110	7.3			61	11	39							
HL		DO	3S	40	772		772	51.1			305	98	369							
HL		DO	4S	13	28		28	1.9			28									
HL		DO	4S	15	1		1	.1			1									
HL		DO	4S	21	23		23	1.5			23									
HL		DO	4S	28	4		4	.2			4									
HL		DO	4S	32	56		56	3.7		29	27									
HL		DO	4S	40	95		95	6.3			95									
HL		Totals			1,511		1,511	9.9		29	545	109	407	42	242	89	49			
RA		DO	2S	40	46		46	7.6							46					
RA		DO	3S	32	113		113	18.9			39			74						
RA		DO	3S	40	337		337	56.2			77	126	133							
RA		DO	4S	14	7		7	1.2			7									
RA		DO	4S	16	13		13	2.2			13									
RA		DO	4S	18	10		10	1.7			10									
RA		DO	4S	32	73		73	12.1			73									
RA		Totals			599		599	3.9			220	126	133	74	46					
Total		All Species			15,281		15,281	100.0		133	3644	1659	2646	2180	2164	2091	666	98		

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT 9TO5

DATE 6/19/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01S	06	21	0001	PC	420.00	41	277	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	41	277	6.8		
CRUISE	41	277	6.8	70,154	.4
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF LEAVE	121	37.0	22.2	91		99.2	16,458	16,458	3,976	3,976
DF TAKE	115	94.4	13.5	68		94.2	14,903	14,903	3,343	3,343
WH LEAVE	27	22.6	13.4	63		22.1	3,597	3,597	835	835
R ALDER	14	13.1	12.7	49		11.5	1,426	1,426	354	354
TOTAL	*277*	*167.0*	*15.8*	*71*		*227.0*	*36,384*	*36,384*	*8,508*	*8,508*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF LEAVE	51.9	8.1	34	37	40			
DF TAKE	80.5	12.6	82	94	106			
WH LEAVE	295.7	46.2	12	23	33			
R ALDER	483.6	75.5	3	13	23			
TOTAL	*60.4*	*9.4*	*151*	*167*	*183*	*146*	*36*	*16*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF LEAVE	40.1	6.3	93	99	105			
DF TAKE	56.5	8.8	86	94	103			
WH LEAVE	260.0	40.6	13	22	31			
R ALDER	505.6	79.0	2	11	21			
TOTAL	*31.5*	*4.9*	*216*	*227*	*238*	*40*	*10*	*4*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF LEAVE	43.4	6.8	15,342	16,458	17,574			
DF TAKE	59.4	9.3	13,519	14,903	16,286			
WH LEAVE	257.4	40.2	2,151	3,597	5,043			
R ALDER	508.8	79.5	293	1,426	2,559			
TOTAL	*32.4*	*5.1*	*34,546*	*36,384*	*38,222*	*42*	*10*	*5*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF LEAVE	42.2	6.6	3,714	3,976	4,238			
DF TAKE	57.2	8.9	3,044	3,343	3,641			
WH LEAVE	258.4	40.4	498	835	1,172			
R ALDER	509.6	79.6	72	354	635			
TOTAL	*30.7*	*4.8*	*8,100*	*8,508*	*8,916*	*38*	*9*	*4*

TC PSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Project)

T01S R06W S21 TyPC 420.00

Project: 9TO5
Acres 420.00

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Spp	S T	So Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DL		DO2S	64		10,544	10,544	4,429			57	43				100	40	378	2.13	27.9
DL		DO3S	31		5,118	5,118	2,150		76	24				4	96	39	135	0.91	38.0
DL		DO4S	5		796	796	334		100			19	30	45	6	25	35	0.43	22.5
DL		**Totals**	45	.0	16,458	16,458	6,912		28	44	28	1	1	3	94	36	186	1.25	88.5
DT		DO2S	21		3,142	3,142	1,320			97	3				100	40	278	1.63	11.3
DT		DO3S	59		8,859	8,859	3,721		90	10				18	82	39	96	0.56	92.3
DT		DO4S	20		2,901	2,901	1,219	9	91			14	14	54	18	26	38	0.31	76.5
DT		**Totals**	41		14,903	14,903	6,259	2	71	27	1	3	3	21	74	33	83	0.55	180.1
HL		DO2S	27		1,004	1,004	422			67	33			9	91	39	350	2.08	2.9
HL		DO3S	59		2,100	2,100	882		100					13	87	39	92	0.55	22.9
HL		DO4S	14		493	493	207	14	86			14	13	27	46	28	38	0.33	13.0
HL		**Totals**	10		3,597	3,597	1,511	2	70	19	9	2	2	13	83	35	93	0.62	38.7
RA		DO2S	7		109	109	46			100					100	40	290	1.63	.4
RA		DO3S	75		1,070	1,070	450		84	16				25	75	38	99	0.66	10.8
RA		DO4S	18		247	247	104		100			30		70		24	35	0.36	7.0
RA		**Totals**	4		1,426	1,426	599		80	20		5		31	64	32	79	0.60	18.1
Totals					36,384	36,384	15,281	1	52	33	14	2	2	13	83	34	112	0.76	325.4

TC PSTNDSUM
ODF

Stand Table Summary

Page 1
Date: 6/19/2008

T01S R06W S21 TyPC 420.00

Project 9TO5
Acres 420.00

Time: 7:10:14AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DL		14	2	88	93	1.533	1.64	3.07	16.4	70.0	1.18	50	215	497	211	90
DL		15	1	87	111	.668	.82	1.34	22.1	100.0	.69	29	134	291	124	56
DL		16	3	87	103	1.761	2.46	3.52	23.7	100.0	1.96	83	352	822	350	148
DL		17	4	87	109	2.080	3.28	4.16	28.3	117.5	2.76	118	489	1,161	494	205
DL		18	8	86	106	3.710	6.56	7.42	32.3	130.6	5.63	240	969	2,366	1,007	407
DL		19	8	86	105	3.330	6.56	6.66	35.2	130.0	5.50	234	866	2,312	984	364
DL		20	8	87	111	3.005	6.56	6.39	39.4	156.5	5.91	252	999	2,483	1,057	420
DL		21	7	86	118	2.385	5.74	5.79	39.6	161.2	5.39	229	934	2,262	963	392
DL		22	12	86	126	3.725	9.83	10.24	41.9	179.7	10.08	429	1,841	4,233	1,801	773
DL		23	10	86	130	2.840	8.20	8.52	42.6	188.7	8.53	363	1,608	3,582	1,524	675
DL		24	10	85	105	2.609	8.20	5.74	52.4	208.2	7.07	301	1,195	2,968	1,263	502
DL		25	13	84	124	3.125	10.65	8.90	52.1	218.4	10.90	464	1,942	4,576	1,947	816
DL		26	8	85	116	1.778	6.56	5.11	52.5	209.6	6.31	268	1,071	2,649	1,127	450
DL		27	3	85	116	.618	2.46	1.65	61.8	255.0	2.40	102	420	1,006	428	177
DL		28	3	85	105	.575	2.46	1.15	82.2	320.0	2.22	95	368	933	397	155
DL		29	4	85	115	.715	3.28	1.79	74.6	296.0	3.13	133	529	1,316	560	222
DL		30	5	85	118	.835	4.10	2.34	73.6	315.0	4.04	172	736	1,698	722	309
DL		31	2	85	117	.313	1.64	.94	73.6	315.0	1.62	69	296	681	290	124
DL		32	6	85	123	.880	4.92	2.49	85.9	381.8	5.04	214	952	2,115	900	400
DL		33	2	85	97	.276	1.64	.55	111.0	425.0	1.44	61	235	605	257	99
DL		36	2	85	117	.232	1.64	.70	100.4	443.3	1.64	70	308	689	293	130
DL		Totals	121	86	114	36.993	99.16	88.46	45.0	186.1	93.44	3,976	16,458	39,245	16,700	6,912
DT		7	1	90	90	3.066	.82	3.07	6.7	40.0	.48	20	123	201	86	52
DT		8	4	89	88	9.391	3.28	11.74	7.0	44.0	1.92	82	517	808	344	217
DT		9	4	89	111	7.420	3.28	12.98	7.5	42.9	2.29	97	556	961	409	234
DT		10	9	89	134	13.523	7.38	27.05	9.9	51.1	6.29	268	1,382	2,641	1,124	581
DT		11	4	88	118	4.967	3.28	9.93	10.4	47.5	2.42	103	472	1,018	433	198
DT		12	12	88	105	12.521	9.83	24.00	12.9	58.3	7.30	311	1,398	3,066	1,305	587
DT		13	12	88	110	10.669	9.83	21.34	15.3	70.8	7.69	327	1,511	3,230	1,375	635
DT		14	9	88	113	6.899	7.38	13.80	18.7	87.2	6.06	258	1,204	2,543	1,082	505
DT		15	5	87	120	3.339	4.10	6.68	23.0	105.0	3.61	153	701	1,514	644	294
DT		16	5	87	108	2.935	4.10	5.87	25.2	108.0	3.47	148	634	1,458	620	266
DT		17	8	87	111	4.159	6.56	8.84	27.1	114.7	5.63	240	1,014	2,365	1,006	426
DT		18	11	87	106	5.101	9.01	10.20	32.2	130.0	7.72	329	1,326	3,244	1,380	557
DT		19	7	87	117	2.914	5.74	7.08	32.3	131.2	5.37	229	928	2,255	960	390
DT		20	6	87	107	2.254	4.92	4.51	40.6	155.0	4.30	183	699	1,806	769	293
DT		21	5	86	117	1.704	4.10	4.09	40.5	163.3	3.89	166	668	1,634	695	280
DT		22	3	86	115	.931	2.46	2.17	44.9	180.0	2.29	98	391	962	410	164
DT		23	3	85	127	.852	2.46	2.56	41.3	178.9	2.48	106	457	1,042	443	192
DT		24	4	85	113	1.043	3.28	2.35	54.7	221.1	3.02	128	519	1,267	539	218
DT		25	2	84	116	.481	1.64	1.44	46.4	188.3	1.57	67	272	660	281	114
DT		28	1	85	110	.192	.82	.38	83.6	340.0	.75	32	130	316	135	55
DT		Totals	115	88	111	94.361	94.24	180.07	18.6	82.8	78.56	3,343	14,903	32,994	14,040	6,259
HL		8	2	89	83	4.695	1.64	4.70	9.2	55.0	1.08	43	258	452	181	108
HL		9	3	89	113	5.565	2.46	9.27	9.8	50.0	2.27	91	464	955	382	195
HL		10	1	90	110	1.503	.82	3.01	8.6	45.0	.65	26	135	271	109	57
HL		11	1	89	118	1.242	.82	2.48	12.8	60.0	.80	32	149	335	134	63
HL		12	1	88	106	1.043	.82	2.09	15.2	60.0	.79	32	125	334	133	53
HL		14	1	88	96	.767	.82	1.53	18.8	85.0	.72	29	130	303	121	55
HL		15	3	87	116	2.003	2.46	4.01	25.1	105.0	2.52	101	421	1,058	423	177
HL		16	4	87	115	2.348	3.28	4.70	29.1	120.0	3.42	137	563	1,436	574	237
HL		17	1	87	98	.520	.82	1.04	29.2	115.0	.76	30	120	319	128	50

TC PSTNDSUM
ODF

Stand Table Summary

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Date: 6/19/2008

T01S R06W S21 TyPC 420.00

Project 9TO5
Acres 420.00

Time: 7:10:14AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
HL		19	1	85	110	.416	.82	.83	40.8	155.0	.85	34	129	357	143	54
HL		20	1	87	89	.376	.82	.75	37.4	150.0	.70	28	113	295	118	47
HL		21	1	87	103	.341	.82	.68	48.1	180.0	.82	33	123	344	138	52
HL		22	1	86	105	.310	.82	.62	53.6	215.0	.83	33	133	350	140	56
HL		23	2	86	87	.568	1.64	1.14	50.5	182.5	1.43	57	207	602	241	87
HL		24	1	86	89	.261	.82	.52	55.1	205.0	.72	29	107	302	121	45
HL		26	1	84	109	.222	.82	.44	72.8	290.0	.81	32	129	340	136	54
HL		27	1	85	110	.206	.82	.41	80.6	340.0	.83	33	140	349	139	59
HL		30	1	85	112	.167	.82	.50	70.6	300.0	.88	35	150	371	148	63
HL		Totals	27	88	104	22.553	22.13	38.72	21.6	92.9	20.88	835	3,597	8,770	3,508	1,511
RA		8	1	89	66	2.348	.82	2.35	8.7	50.0	.56	20	117	237	86	49
RA		9	2	89	81	3.710	1.64	3.71	10.7	55.0	1.10	40	204	460	167	86
RA		12	2	88	80	2.087	1.64	2.09	21.9	80.0	1.26	46	167	527	192	70
RA		13	1	89	83	.889	.82	1.78	14.6	55.0	.71	26	98	300	109	41
RA		14	1	88	85	.767	.82	1.53	18.0	70.0	.76	28	107	318	116	45
RA		17	3	87	75	1.560	2.46	3.12	24.2	85.0	2.07	75	265	871	317	111
RA		18	3	86	83	1.391	2.46	2.78	30.1	116.7	2.30	84	325	966	351	136
RA		20	1	87	115	.376	.82	.75	46.7	190.0	.96	35	143	405	147	60
RA		Totals	14	88	79	13.127	11.47	18.11	19.5	78.7	9.73	354	1,426	4,085	1,486	599
Totals			277	88	108	167.034	227.00	325.36	26.1	111.8	202.61	8,508	36,384	85,094	35,734	15,281

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT 9TO5

DATE 6/23/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01S	06	27	PC	0002	22.00	14	96	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	14	96	6.9		
CRUISE	14	96	6.9	3,579	2.7
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF LEAVE	54	56.7	17.7	87		97.0	16,188	16,188	3,817	3,817
DF TAKE	37	94.5	11.4	69		66.5	11,631	11,631	2,365	2,365
R ALDER	4	9.7	11.6	61		7.2	1,151	1,151	264	264
WH LEAVE	1	1.7	14.0	78		1.8	353	353	76	76
TOTAL	*96*	*162.7*	*13.9*	*75*		*172.5*	*29,323*	*29,323*	*6,523*	*6,523*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DF LEAVE	24.7	6.8	53	57	61			
DF TAKE	44.4	12.3	83	95	106			
R ALDER	374.2	103.7		10	20			
WH LEAVE	374.2	103.7		2	3			
TOTAL	*36.2*	*10.0*	*146*	*163*	*179*	*56*	*14*	*6*

CL 68.1	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DF LEAVE	35.0	9.7	88	97	106			
DF TAKE	40.9	11.3	59	66	74			
R ALDER	374.2	103.7		7	15			
WH LEAVE	374.2	103.7		2	4			
TOTAL	*31.3*	*8.7*	*158*	*172*	*187*	*42*	*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
DF LEAVE	35.3	9.8	14,606	16,188	17,771			
DF TAKE	45.1	12.5	10,178	11,631	13,084			
R ALDER	374.2	103.7		1,151	2,344			
WH LEAVE	374.2	103.7		353	719			
TOTAL	*32.2*	*8.9*	*26,707*	*29,323*	*31,939*	*45*	*11*	*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
DF LEAVE	36.5	10.1	3,431	3,817	4,204			
DF TAKE	43.7	12.1	2,079	2,365	2,652			
R ALDER	374.2	103.7		264	539			
WH LEAVE	374.2	103.7		76	155			
TOTAL	*32.7*	*9.1*	*5,932*	*6,523*	*7,114*	*46*	*12*	*5*

TC PSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Project)

T01S R06W S27 Ty0002 22.00

Project: 9TO5
Acres 22.00

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Date 6/23/2008
Time 10:02:13AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DT		DO3S	66		7,710	7,710	170		100					17	83	38	88	0.48	87.8
DT		DO4S	34		3,922	3,922	86	13	87			14	13	45	28	28	39	0.27	101.2
DT	**Totals**		40		11,631	11,631	256	4	96			5	4	26	65	33	62	0.38	189.0
DL		DO2S	32		5,257	5,257	116			74	26				100	40	320	1.81	16.4
DL		DO3S	52		8,369	8,369	184		85	15				2	98	40	143	0.84	58.4
DL		DO4S	16		2,562	2,562	56		100			7	3	8	82	34	53	0.41	48.2
DL	**Totals**		55		16,188	16,188	356		60	32	8	1	0	2	96	37	132	0.83	123.1
RA		DO3S	77		889	889	20		100						100	40	91	0.54	9.7
RA		DO4S	23		262	262	6		100			61			39	19	27	0.30	9.7
RA	**Totals**		4		1,151	1,151	25		100			14			86	29	59	0.46	19.5
HL		DO3S	71		252	252	6		100						100	40	150	0.81	1.7
HL		DO4S	29		101	101	2		100					100		32	60	0.41	1.7
HL	**Totals**		1		353	353	8		100					29	71	36	105	0.63	3.4
Totals					29,323	29,323	645	2	76	17	5	3	2	12	83	34	88	0.57	334.9

TC PSTNDSUM
ODF

Stand Table Summary

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Date: 6/23/2008

T01S R06W S27 Ty0002 22.00

Project 9TO5
Acres 22.00

Time: 10:02:14AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DL		12	1	87	115	2.287	1.80	4.57	12.4	60.0	1.34	57	274	29	13	6
DL		13	1	88	118	1.949	1.80	3.90	17.4	85.0	1.59	68	331	35	15	7
DL		14	4	87	132	6.722	7.19	15.12	19.3	92.2	6.87	292	1,395	151	64	31
DL		15	4	88	118	5.855	7.19	11.71	23.6	105.0	6.48	276	1,230	143	61	27
DL		16	9	87	115	11.579	16.17	23.16	27.0	117.2	14.70	625	2,715	323	138	60
DL		17	6	86	122	6.838	10.78	14.82	28.3	119.2	9.84	419	1,767	216	92	39
DL		18	5	86	113	5.083	8.98	10.17	33.6	131.0	8.02	341	1,332	176	75	29
DL		19	4	86	115	3.650	7.19	7.30	38.1	150.0	6.53	278	1,095	144	61	24
DL		20	5	86	116	4.117	8.98	9.06	38.3	152.7	8.14	347	1,383	179	76	30
DL		21	2	87	114	1.494	3.59	2.99	46.7	190.0	3.28	139	568	72	31	12
DL		22	3	85	125	2.042	5.39	6.12	38.6	170.0	5.56	237	1,041	122	52	23
DL		23	2	85	103	1.245	3.59	2.49	53.6	215.0	3.14	134	535	69	29	12
DL		24	1	84	118	.572	1.80	1.72	45.1	190.0	1.82	77	326	40	17	7
DL		25	1	85	116	.527	1.80	1.58	46.7	190.0	1.74	74	300	38	16	7
DL		26	3	84	114	1.462	5.39	4.39	50.8	210.0	5.24	223	921	115	49	20
DL		27	2	85	123	.904	3.59	2.71	57.6	246.7	3.67	156	669	81	34	15
DL		28	1	85	118	.420	1.80	1.26	59.0	243.3	1.75	74	307	38	16	7
DL		Totals	54	87	118	56.745	97.01	123.06	31.0	131.5	89.71	3,817	16,188	1,974	840	356
DT		7	1	89	130	6.722	1.80	13.44	4.8	30.0	1.51	64	403	33	14	9
DT		8	1	90	118	5.146	1.80	10.29	6.1	40.0	1.46	62	412	32	14	9
DT		9	4	89	121	16.265	7.19	32.53	7.3	40.0	5.56	237	1,301	122	52	29
DT		10	3	90	128	9.881	5.39	19.76	9.4	50.0	4.37	186	988	96	41	22
DT		11	6	89	124	16.332	10.78	32.66	11.0	52.5	8.44	359	1,715	186	79	38
DT		12	8	88	114	18.298	14.37	36.60	12.6	60.0	10.81	460	2,196	238	101	48
DT		13	2	88	118	3.898	3.59	7.80	17.4	85.0	3.18	135	663	70	30	15
DT		14	6	88	142	10.083	10.78	20.17	22.8	110.0	10.80	460	2,218	238	101	49
DT		15	1	88	118	1.464	1.80	2.93	23.6	105.0	1.62	69	307	36	15	7
DT		16	5	87	114	6.433	8.98	12.87	25.9	111.0	7.83	333	1,428	172	73	31
DT		Totals	37	89	123	94.523	66.47	189.05	12.5	61.5	55.59	2,365	11,631	1,223	520	256
RA		10	2	89	110	6.587	3.59	13.17	9.6	45.0	3.49	127	593	77	28	13
RA		14	1	88	124	1.680	1.80	3.36	23.6	105.0	2.18	79	353	48	17	8
RA		15	1	87	85	1.464	1.80	2.93	19.9	70.0	1.60	58	205	35	13	5
RA		Totals	4	89	109	9.732	7.19	19.46	13.6	59.1	7.27	264	1,151	160	58	25
HL		14	1	88	115	1.680	1.80	3.36	22.6	105.0	1.90	76	353	42	17	8
HL		Totals	1	88	115	1.680	1.80	3.36	22.6	105.0	1.90	76	353	42	17	8
Totals			96	88	120	162.680	172.46	334.93	19.5	87.6	154.47	6,523	29,323	3,398	1,435	645

TC PLOGSTVB
ODF

Log Stock Table - MBF

T01S R06W S27 Ty0002 22.00

Project: 9TO5
Acres 22.00

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Date 6/23/2008
Time 10:02:12AM

Spp	S T	Sort	Grade	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+
DT		DO	3S	32	29		29	11.3			4	25								
DT		DO	3S	40	141		141	54.9			59	20	61							
DT		DO	4S	16	1		1	.5			1									
DT		DO	4S	17	2		2	.9		2										
DT		DO	4S	18	5		5	2.0			5									
DT		DO	4S	19	4		4	1.4			4									
DT		DO	4S	22	9		9	3.7			9									
DT		DO	4S	25	2		2	.6			2									
DT		DO	4S	31	4		4	1.7		4										
DT		DO	4S	32	34		34	13.4		4	30									
DT		DO	4S	40	25		25	9.6			25									
DT		Totals			256		256	39.7		11	139	45	61							
DL		DO	2S	40	116		116	32.5						40	36	40				
DL		DO	3S	32	4		4	1.0				4								
DL		DO	3S	40	181		181	50.7			11	23	119	27						
DL		DO	4S	13	1		1	.2			1									
DL		DO	4S	14	1		1	.4			1									
DL		DO	4S	15	1		1	.2			1									
DL		DO	4S	16	0		0	.1			0									
DL		DO	4S	18	0		0	.1			0									
DL		DO	4S	20	0		0	.1			0									
DL		DO	4S	21	1		1	.3			1									
DL		DO	4S	22	1		1	.2			1									
DL		DO	4S	32	5		5	1.3			5									
DL		DO	4S	40	46		46	13.0			44	2								
DL		Totals			356		356	55.2			66	29	119	68	36	40				
RA		DO	3S	40	20		20	77.2			10	4	6							
RA		DO	4S	13	3		3	11.4			3									
RA		DO	4S	20	1		1	2.5			1									
RA		DO	4S	40	2		2	8.8			2									
RA		Totals			25		25	3.9			16	4	6							
HL		DO	3S	40	6		6	71.4					6							
HL		DO	4S	32	2		2	28.6			2									
HL		Totals			8		8	1.2			2		6							

TC PLOGSTVB
ODF

Log Stock Table - MBF

T01S R06W S27 Ty0002 22.00

Project: 9TO5
Acres 22.00

Page 2
Date 6/23/2008
Time 10:02:12AM

Spp	S T	So	Grade	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			645		645	100.0		11	222	78	191	68	36	40				

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT 9TO5

DATE 6/23/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01S	06	26	0003	PC	11.00	12	112	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	12	112	9.3		
CRUISE	12	112	9.3	1,595	7.0
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF TAKE	60	99.5	15.2	75		125.7	19,386	19,386	4,488	4,488
DF LEAVE	52	45.4	21.0	87		109.0	16,305	16,305	4,170	4,170
TOTAL	*112*	*145.0*	*17.2*	*79*		*234.7*	*35,691*	*35,691*	*8,657*	*8,657*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF TAKE	21.7	6.5	93	100	106			
DF LEAVE	18.0	5.4	43	45	48			
TOTAL	*15.4*	*4.7*	*138*	*145*	*152*	*10*	*3*	*1*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF TAKE	14.8	4.5	120	126	131			
DF LEAVE	11.4	3.4	105	109	113			
TOTAL	*10.6*	*3.2*	*227*	*235*	*242*	*5*	*1*	*1*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF TAKE	17.0	5.1	18,395	19,386	20,376			
DF LEAVE	13.8	4.2	15,627	16,305	16,984			
TOTAL	*12.2*	*3.7*	*34,380*	*35,691*	*37,002*	*6*	*2*	*1*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF TAKE	15.1	4.6	4,283	4,488	4,692			
DF LEAVE	12.1	3.6	4,018	4,170	4,321			
TOTAL	*10.9*	*3.3*	*8,373*	*8,657*	*8,942*	*5*	*1*	*1*

TC PSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Project)

T01S R06W S26 TyPC 11.00

Project: 9TO5
Acres 11.00

Page 1
Date 6/23/2008
Time 9:24:52AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DT		DO2S	3		656	656	7			100					100	40	224	1.40	2.9
DT		DO3S	72		13,908	13,908	153		80	20				8	92	39	137	0.80	101.5
DT		DO4S	25		4,822	4,822	53		100			3	5	65	26	32	51	0.39	94.7
DT	**Totals**		54		19,386	19,386	213		82	18		1	1	22	76	35	97	0.64	199.1
DL		DO2S	69		11,270	11,270	124			86	14				100	40	294	1.71	38.3
DL		DO3S	27		4,449	4,449	49		68	32					100	40	100	0.77	44.6
DL		DO4S	4		586	586	6		100			14	3	24	59	29	44	0.49	13.3
DL	**Totals**		46		16,305	16,305	179		22	68	10	1	0	1	99	38	170	1.13	96.2
Totals					35,691	35,691	393		55	41	4	1	1	12	86	36	121	0.80	295.3

TC PSTNDSUM
ODF

Stand Table Summary

Page 1
Date: 6/23/2008

T01S R06W S26 TyPC 11.00

Project 9TO5
Acres 11.00

Time: 9:26:59AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DT		11	1	89	121	3.176	2.10	6.35	10.7	50.0	1.59	68	318	18	7	3
DT		12	7	88	105	18.680	14.67	37.36	12.3	56.4	10.84	461	2,108	119	51	23
DT		13	2	88	103	4.548	4.19	9.10	14.6	65.0	3.13	133	591	34	15	7
DT		14	6	88	112	11.763	12.57	23.53	18.8	86.7	10.37	441	2,039	114	49	22
DT		15	10	87	114	17.078	20.96	34.16	22.7	103.0	18.22	775	3,518	200	85	39
DT		16	11	87	110	16.511	23.05	33.02	25.8	112.3	20.00	851	3,708	220	94	41
DT		17	8	87	106	10.637	16.77	21.27	28.0	118.7	13.99	595	2,526	154	65	28
DT		18	12	86	106	14.232	25.15	28.46	32.8	130.4	21.94	933	3,712	241	103	41
DT		19	2	87	108	2.129	4.19	4.26	35.7	132.5	3.57	152	564	39	17	6
DT		22	1	85	109	.794	2.10	1.59	48.9	190.0	1.83	78	302	20	9	3
DT		Totals	60	87	109	99.548	125.75	199.10	22.5	97.4	105.46	4,488	19,386	1,160	494	213
DL		18	7	87	107	8.302	14.67	16.60	33.0	130.0	12.89	549	2,159	142	60	24
DL		19	2	87	110	2.129	4.19	4.26	36.1	135.0	3.61	154	575	40	17	6
DL		20	12	86	106	11.528	25.15	23.06	40.3	151.7	21.85	930	3,497	240	102	38
DL		21	13	86	107	11.328	27.25	22.66	45.9	180.0	24.42	1,039	4,078	269	114	45
DL		22	6	85	108	4.764	12.57	9.53	48.6	181.7	10.89	463	1,731	120	51	19
DL		23	2	85	107	1.453	4.19	2.91	54.4	225.0	3.72	158	654	41	17	7
DL		24	3	84	114	2.001	6.29	5.34	48.8	198.8	6.12	261	1,061	67	29	12
DL		25	1	85	117	.615	2.10	1.84	46.8	190.0	2.03	86	350	22	10	4
DL		26	4	85	116	2.274	8.38	6.82	51.1	209.2	8.20	349	1,427	90	38	16
DL		27	2	85	122	1.054	4.19	3.16	57.4	245.0	4.27	182	775	47	20	9
DL		Totals	52	86	108	45.447	108.98	96.17	43.4	169.5	97.99	4,170	16,305	1,078	459	179
Totals			112	87	109	144.994	234.73	295.27	29.3	120.9	203.45	8,657	35,691	2,238	952	393

TC PLOGSTVB
ODF

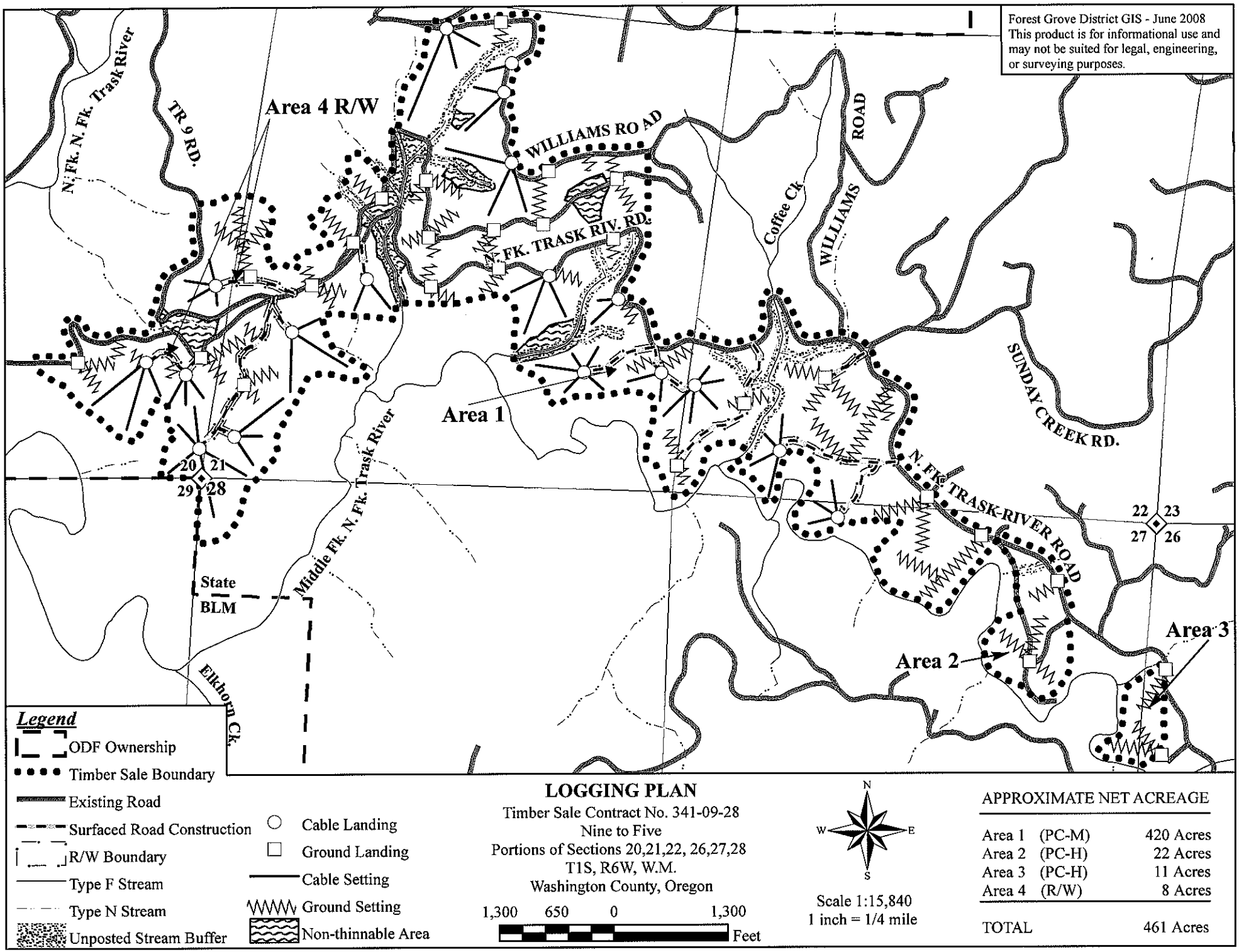
Log Stock Table - MBF

T01S R06W S26 TyPC 11.00

Project: 9TO5
Acres 11.00

Date 6/23/2008
Time 9:26:59AM

Spp	ST	Sort	Grade	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+
DT		DO	2S	40	7		7	3.4						5	3					
DT		DO	3S	32	12		12	5.8			1	8	3							
DT		DO	3S	40	141		141	66.0			6	24	79	31						
DT		DO	4S	13	1		1	.3			1									
DT		DO	4S	17	1		1	.3			1									
DT		DO	4S	20	1		1	.3			1									
DT		DO	4S	22	3		3	1.3			3									
DT		DO	4S	32	35		35	16.2			35									
DT		DO	4S	40	14		14	6.6			14									
DT		Totals			213		213	54.3			60	32	82	36	3					
DL		DO	2S	40	124		124	69.1						38	57	29				
DL		DO	3S	40	49		49	27.3			22	6	6	16						
DL		DO	4S	12	0		0	.1			0									
DL		DO	4S	13	0		0	.1			0									
DL		DO	4S	15	0		0	.2			0									
DL		DO	4S	18	0		0	.1			0									
DL		DO	4S	20	0		0	.1			0									
DL		DO	4S	21	0		0	.1			0									
DL		DO	4S	32	2		2	.9			2									
DL		DO	4S	40	4		4	2.1			4									
DL		Totals			179		179	45.7			28	6	6	53	57	29				
Total		All Species			393		393	100.0			88	38	88	89	60	29				


Forest Grove District GIS - June 2008
This product is for informational use and may not be suited for legal, engineering, or surveying purposes.
N. Fk. N. Fk. Trask River
TR 9 RD.
Area 4 R/W
WILLIAMS ROAD
FK. TRASK RIV. RD.
Coffee Ck.
WILLIAMS ROAD
SUNDAY CREEK RD.
Area 1
N. FK. TRASK RIVER ROAD
Middle Fk. N. Fk. Trask River
20
21
29
28
22
23
27
26
State
BLM
Area 2
Area 3
Elkhorn Ck.
Legend
ODF Ownership
Timber Sale Boundary
Existing Road
Surfaced Road Construction
R/W Boundary
Type F Stream
Type N Stream
Unposted Stream Buffer
Cable Landing
Ground Landing
Cable Setting
Ground Setting
Non-thinnable Area
LOGGING PLAN
Timber Sale Contract No. 341-09-28
Nine to Five
Portions of Sections 20,21,22, 26,27,28
T1S, R6W, W.M.
Washington County, Oregon
1,300 650 0 1,300
Feet
N
W
E
S
Scale 1:15,840
1 inch = 1/4 mile
APPROXIMATE NET ACREAGE
Area 1 (PC-M) 420 Acres
Area 2 (PC-H) 22 Acres
Area 3 (PC-H) 11 Acres
Area 4 (R/W) 8 Acres
TOTAL 461 Acres