



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chicken Combo
Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,454,262.60	\$1,248.96	\$1,455,511.56
		Project Work:	\$(121,030.00)
		Advertised Value:	\$1,334,481.56



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Chicken Combo Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

timber description

Location: Portions of Sections 10,11,12,13,14 & 15, T1N, R6W, W.M., Tillamook County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	16	0	98
Western Hemlock / Fir	10	0	98
Noble Fir	10	0	98
Alder (Red)	14	0	95

Volume by Grade	2S	3S	4S	Camprur	Total
Douglas - Fir	2,464	2,233	1,295	0	5,992
Western Hemlock / Fir	4	4	4	0	12
Noble Fir	9	5	6	0	20
Alder (Red)	0	0	0	3	3
Total	2,477	2,242	1,305	3	6,027



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chicken Combo
Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

comments: Pond Values Used: 3rd Quarter Calendar Year 2008.

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
 $\$766/\text{MBF} = \$955/\text{MBF} - \$189/\text{MBF}$

SCALING COST ALLOWANCE = $\$5.00/\text{MBF}$

FUEL COST ALLOWANCE = $\$4.50/\text{Gallon}$

HAULING COST ALLOWANCE

Hauling costs equivalent to \$700 daily truck cost.

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

Brand and Paint: 6,027 MBF @ $\$1.00/\text{MBF} = \$6,027$

Tree Topping in Area 1: 140 trees x $\$40/\text{tree} = \$5,600$

TOTAL Other Costs (with Profit & Risk to be added) = $\$11,627$

Other Costs (No Profit & Risk to be added):

Blocking and Waterbarring of skid roads: 12 hours @ $\$150/\text{hour} = \$1,800$.

OHV Trail Clearing: 15 stations @ $\$100/\text{station} = \$1,500$

Firewood Sorting: 12 hours @ $\$150/\text{hour} = \$1,800$

Fire Trailing (Dozer): 5,400 feet @ $\$1/\text{foot} = \$5,400$

TOTAL Other Costs (No Profit & Risk added) = $\$10,500$



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chicken Combo
Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

logging conditions

combination#: 1

Douglas - Fir	66.31%
Western Hemlock / Fir	61.67%
Noble Fir	80.00%
Alder (Red)	100.00%

yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Shovel **Process:** Harvester Head Delimbing
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 11.0 **bd. ft / load:** 4,200
cost / mbf: \$89.93

machines: Forwarder
Harvester

combination#: 2

Douglas - Fir	13.57%
Western Hemlock / Fir	15.00%

yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Small Tower <=40 **Process:** Stroke Delimber
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 7.0 **bd. ft / load:** 4,200
cost / mbf: \$96.40

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

combination#: 3

Douglas - Fir	20.13%
Western Hemlock / Fir	6.67%
Noble Fir	20.00%

yarding distance: Medium (800 ft) **downhill yarding:** No
logging system: Cable: Medium Tower >40 - <70 **Process:** Stroke Delimber
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 6.0 **bd. ft / load:** 4,200
cost / mbf: \$132.70

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



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Chicken Combo Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

logging costs

Operating Seasons:	2.00	Profit Risk:	15.00%
Project Costs:	\$121,030.00	Other Costs (P/R):	\$11,627.00
Slash Disposal:	\$0.00	Other Costs:	\$10,500.00

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	8.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.2
Western Hemlock / Fir	\$0.00	3.0	4.2
Noble Fir	\$0.00	3.0	4.2
Alder (Red)	\$0.00	2.0	3.8

Local Pond Values

Date	Specie	Grade	Value
10/1/08	Noble Fir	2S	\$323.84
10/1/08	Noble Fir	3S	\$323.84
10/1/08	Noble Fir	4S	\$323.84



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chicken Combo
Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$99.42	\$6.69	\$1.46	\$49.28	\$1.93	\$23.82	\$0.00	\$5.00	\$1.74	\$189.34
Western Hemlock / Fir									
\$96.60	\$6.69	\$1.46	\$49.28	\$1.93	\$23.39	\$0.00	\$5.00	\$1.74	\$186.09
Noble Fir									
\$98.48	\$6.69	\$1.46	\$49.28	\$1.93	\$23.68	\$0.00	\$5.00	\$1.74	\$188.26
Alder (Red)									
\$89.93	\$6.89	\$1.46	\$84.09	\$1.93	\$27.64	\$0.00	\$5.00	\$1.74	\$218.68

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$431.33	\$241.99	\$0.00
Western Hemlock / Fir	\$0.00	\$315.00	\$128.91	\$0.00
Noble Fir	\$0.00	\$323.84	\$135.58	\$0.00
Alder (Red)	\$0.00	\$635.00	\$416.32	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Chicken Combo
Sale 341-09-31

District: Forest Grove

Date: October 01, 2008

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Noble Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	5,992	\$241.99	\$1,450,004.08
Western Hemlock / Fir	12	\$128.91	\$1,546.92
Noble Fir	20	\$135.58	\$2,711.60
Alder (Red)	3	\$416.32	\$1,248.96

Gross Timber Sale Value

Recovery: \$1,455,511.56

Prepared by: J. Sandmann

Phone: 503-359-7473

PROJECT COST SUMMARY SHEETTimber Sale: Chicken ComboSale Number: 341-09-31**PROJECT NO. 1: ROAD CONSTRUCTION AND IMPROVEMENT****CONSTRUCTION**

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
A to B	4+25	\$2,796.94
C to D	11+70	\$4,801.68
E to F	5+90	\$3,291.28
G to H	8+50	\$2,964.12
I to J	16+75	\$4,585.57
K to L	2+40	\$875.86
M to N	3+35	\$1,074.11
O to P	25+80	\$7,844.22
Q to R	13+75	\$3,349.50
T to U	4+30	\$1,257.37
V to W	8+00	\$2,089.53
104+70 stations		
1.98 miles		

SUBTOTAL CONSTRUCTION **\$34,930.18****IMPROVEMENTS**

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
S to T	35+40	\$1,015.98
X to S	95+00	\$2,726.50
130+40 stations		
2.47 miles		

SUBTOTAL IMPROVEMENTS **\$3,742.48****TOTAL PROJECT NO. 1 COST =** **\$38,672.66****PROJECT NO. 2: SURFACING**

<u>Road Segment</u>	<u>Amount</u>	<u>Type</u>	<u>Cost</u>
A to B	343 cy	3" - 0	\$2,744.00
C to D	927 cy	3" - 0	\$7,768.26
E to F	466 cy	3" - 0	\$3,681.40
G to H	617 cy	3" - 0	\$5,003.87
I to J	1,124 cy	3" - 0	\$9,441.60
K to L	249 cy	3" - 0	\$2,089.11
M to N	304 cy	3" - 0	\$2,593.12
O to P	1,802 cy	3" - 0	\$15,587.30
Q to R	950 cy	3" - 0	\$8,151.00
S to T	1,239 cy	3" - 0	\$11,076.66
T to U	345 cy	3" - 0	\$3,211.95
V to W	588 cy	3" - 0	\$5,427.24
Total	8,954 cy	3" - 0	

TOTAL PROJECT NO. 2 COST = **\$76,775.51**

PROJECT NO. 3: GRASS SEEDING, FERTILIZING, AND MULCHING

Grass seed, fertilize, and mulch areas of disturbed soil.	\$961.43
--	----------

<u>TOTAL PROJECT NO. 3 COST =</u>	\$961.43
--	-----------------

<u>MOVE IN</u>	\$4,610.66
-----------------------	-------------------

<u>TOTAL ALL PROJECTS</u>	<u>\$121,020.26</u>
----------------------------------	----------------------------

<u>TOTAL CREDITS</u>	<u>\$121,030.00</u>
-----------------------------	----------------------------

SUMMARY OF CONSTRUCTION COST

Timber Sale:	<u>Chicken Combo</u>	Timber Sale No. :	<u>341-09-31</u>
Road Segment:	<u>A to B</u>	Construction:	<u>4+25</u> stations <u>0.08</u> miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.39	acres @	\$980.00	per acre =	\$382.46
Balanced Road Construction	4.25	sta @	\$90.00	per sta =	\$382.50
Construct Turnaround (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	4.25	sta @	\$28.70	per sta =	\$121.98
TOTAL EXCAVATION COSTS=					\$1,246.94

CULVERTS - MATERIALS & INSTALLATION**Culverts**

90	LF of 18"	\$1,530.00
		<u>\$1,530.00</u>

Culvert Markers

2 markers	<u>\$20.00</u>
-----------	----------------

TOTAL CULVERT COSTS = \$1,550.00

PROJECT NO. 1 TOTAL COST = \$2,796.94**PROJECT NO. 2:****SURFACING**

	10	" deep =	58 cy/sta		
A to B	247	cy of	3" - 0	@	\$8.00 per cy = \$1,976.00
Turnaround (1)	16	cy of	3" - 0	@	\$8.00 per cy = \$128.00
Landing (1)	80	cy of	3" - 0	@	\$8.00 per cy = \$640.00
Total =	343	cy of	3" - 0		

PROJECT NO. 2 TOTAL COST = \$2,744.00**PROJECT NO. 3:**

Grass seed, fertilize, and mulch areas of disturbed soil.	0.20	acres @	\$200.00	per acre =	\$39.03
---	------	---------	----------	------------	---------

PROJECT NO. 3 TOTAL COST = \$39.03**TOTAL COST = \$5,579.96**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Chicken Combo
Road Segment: C to D

Timber Sale No. : 341-09-31
Construction: 11+70 stations
0.22 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	1.07	acres @	\$980.00	per acre =	\$1,052.89
Balanced Road Construction	11.70	sta @	\$90.00	per sta =	\$1,053.00
Construct Turnouts (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnarounds (2)	2	ea @	\$75.00	per ea =	\$150.00
Landing	2	ea @	\$285.00	per ea =	\$570.00
Grade, Ditch, and Roll	11.70	sta @	\$28.70	per sta =	\$335.79
TOTAL EXCAVATION COSTS=					\$3,311.68

CULVERTS - MATERIALS & INSTALLATION**Culverts**

30	LF of 18"	\$510.00	40	LF of 24"	\$960.00
		\$510.00			\$960.00

Culvert Markers

2 markers \$20.00

TOTAL CULVERT COSTS = \$1,490.00

PROJECT NO. 1 TOTAL COST = \$4,801.68

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta			
C to D	679	cy of	3" - 0	@	\$8.38	per cy = \$5,690.02
Turnouts (1)	28	cy of	3" - 0	@	\$8.38	per cy = \$234.64
Landing (2)	160	cy of	3" - 0	@	\$8.38	per cy = \$1,340.80
Subgrade Reinforcement	60	cy of	3" - 0	@	\$8.38	per cy = \$502.80
Total =	927	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$7,768.26

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 0.54 acres @ \$200.00 per acre = \$107.44

PROJECT NO. 3 TOTAL COST = \$107.44

TOTAL COST = \$12,677.38

SUMMARY OF CONSTRUCTION COST

Timber Sale:	Chicken Combo	Timber Sale No. :	341-09-31
Road Segment:	E to F	Construction:	5+90 stations
			0.11 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.54	acres @	\$980.00	per acre =	\$530.95
Balanced Road Construction	5.90	sta @	\$90.00	per sta =	\$531.00
Construct Turnouts (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	5.90	sta @	\$28.70	per sta =	\$169.33
TOTAL EXCAVATION COSTS=					\$1,741.28

CULVERTS - MATERIALS & INSTALLATION**Culverts**

90	LF of 18"	<u>\$1,530.00</u>
		\$1,530.00

Culvert Markers

2 markers	<u>\$20.00</u>
-----------	----------------

TOTAL CULVERT COSTS = \$1,550.00

PROJECT NO. 1 TOTAL COST = \$3,291.28

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta			
E to F	342	cy of	3" - 0	@	\$7.90 per cy =	\$2,701.80
Turnaround (1)	16	cy of	3" - 0	@	\$7.90 per cy =	\$126.40
Turnouts (1)	28	cy of	3" - 0	@	\$7.90 per cy =	\$221.20
Landing (1)	80	cy of	3" - 0	@	\$7.90 per cy =	\$632.00
Total =	466	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$3,681.40

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil.	0.27	acres @	\$200.00	per acre =	\$54.18
---	------	---------	----------	------------	---------

PROJECT NO. 3 TOTAL COST = \$54.18

TOTAL COST = \$7,026.85

SUMMARY OF CONSTRUCTION COST

Timber Sale:	Chicken Combo	Timber Sale No. :	341-09-31
Road Segment:	G to H	Construction:	8+50 stations
			0.16 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.78	acres @	\$980.00	per acre =	\$764.92
Balanced Road Construction	8.50	sta @	\$90.00	per sta =	\$765.00
Construct Turnouts (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	2.00	sta @	\$28.70	per sta =	\$57.40
Grade and Roll (Outslope)	6.50	sta @	\$27.20	per sta =	\$176.80
				TOTAL EXCAVATION COSTS=	\$2,274.12

CULVERTS - MATERIALS & INSTALLATION**Culverts**

40	LF of 18"	\$680.00
		<u>\$680.00</u>

Culvert Markers

1	markers	<u>\$10.00</u>
---	---------	----------------

TOTAL CULVERT COSTS = \$690.00

PROJECT NO. 1 TOTAL COST = \$2,964.12

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta			
G to H	493	cy of	3" - 0	@	\$8.11 per cy =	\$3,998.23
Turnaround (1)	16	cy of	3" - 0	@	\$8.11 per cy =	\$129.76
Turnouts (1)	28	cy of	3" - 0	@	\$8.11 per cy =	\$227.08
Landing (1)	80	cy of	3" - 0	@	\$8.11 per cy =	\$648.80
Total =	617	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$5,003.87

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil.	0.39	acres @	\$200.00	per acre =	\$78.05
---	------	---------	----------	------------	---------

PROJECT NO. 3 TOTAL COST = \$78.05

TOTAL COST = \$8,046.05

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Chicken Combo**
Road Segment: **I to J**

Timber Sale No. : **341-09-31**
Construction: **16+75** stations
0.32 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	1.54	acres @	\$980.00	per acre =	\$1,507.35
Balanced Road Construction	16.75	sta @	\$90.00	per sta =	\$1,507.50
Construct Turnouts (2)	2	ea @	\$60.00	per ea =	\$120.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	16.75	sta @	\$28.70	per sta =	\$480.73
TOTAL EXCAVATION COSTS=					\$4,065.57

CULVERTS - MATERIALS & INSTALLATION**Culverts**

30 LF of 18" \$510.00
\$510.00

Culvert Markers

1 markers \$10.00

TOTAL CULVERT COSTS = **\$520.00**

PROJECT NO. 1 TOTAL COST = \$4,585.57

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta			
I to J	972	cy of	3" - 0	@	\$8.40 per cy =	\$8,164.80
Turnaround (1)	16	cy of	3" - 0	@	\$8.40 per cy =	\$134.40
Turnouts (2)	56	cy of	3" - 0	@	\$8.40 per cy =	\$470.40
Landing (1)	80	cy of	3" - 0	@	\$8.40 per cy =	\$672.00
Total =	1124	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$9,441.60

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 0.77 acres @ \$200.00 per acre = \$153.81

PROJECT NO. 3 TOTAL COST = \$153.81

TOTAL COST = \$14,180.98

SUMMARY OF CONSTRUCTION COST

Timber Sale: Chicken Combo
Road Segment: K to L

Timber Sale No. : 341-09-31
Construction: 2+40 stations
0.05 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.22	acres @	\$980.00	per acre =	\$215.98
Balanced Road Construction	2.40	sta @	\$90.00	per sta =	\$216.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	2.40	sta @	\$28.70	per sta =	\$68.88
TOTAL EXCAVATION COSTS=					\$875.86

PROJECT NO. 1 TOTAL COST = \$875.86

PROJECT NO. 2:

SURFACING

	10	" deep =	58 cy/sta		
K to L	139	cy of	3" - 0	@	\$8.39 per cy = \$1,166.21
Junction	30	cy of	3" - 0	@	\$8.39 per cy = \$251.70
Landing (1)	80	cy of	3" - 0	@	\$8.39 per cy = \$671.20
Total =	249	cy of	3" - 0		

PROJECT NO. 2 TOTAL COST = \$2,089.11

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 0.11 acres @ \$200.00 per acre = \$22.04

PROJECT NO. 3 TOTAL COST = \$22.04

TOTAL COST = \$2,987.01

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Chicken Combo**
Road Segment: **M to N**

Timber Sale No. : **341-09-31**
Construction: **3+35** stations
0.06 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.31	acres @	\$980.00	per acre =	\$301.47
Balanced Road Construction	3.35	sta @	\$90.00	per sta =	\$301.50
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	3.35	sta @	\$28.70	per sta =	\$96.15
TOTAL EXCAVATION COSTS=					\$1,074.11

PROJECT NO. 1 TOTAL COST = \$1,074.11

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta		
M to N	194	cy of	3" - 0	@	\$8.53 per cy = \$1,654.82
Junction	30	cy of	3" - 0	@	\$8.53 per cy = \$255.90
Landing (1)	80	cy of	3" - 0	@	\$8.53 per cy = \$682.40
Total =	304	cy of	3" - 0		

PROJECT NO. 2 TOTAL COST = \$2,593.12

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 0.15 acres @ \$200.00 per acre = \$30.76

PROJECT NO. 3 TOTAL COST = \$30.76

TOTAL COST = \$3,698.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Chicken Combo**
 Road Segment: **O to P**

Timber Sale No. : **341-09-31**

Construction: **25+80** stations
0.49 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	2.37	acres @	\$980.00	per acre =	\$2,321.76
Balanced Road Construction	25.80	sta @	\$90.00	per sta =	\$2,322.00
Construct Turnouts (3)	3	ea @	\$60.00	per ea =	\$180.00
Construct Turnarounds (2)	2	ea @	\$75.00	per ea =	\$150.00
Landing	2	ea @	\$285.00	per ea =	\$570.00
Grade, Ditch, and Roll	25.80	sta @	\$28.70	per sta =	\$740.46
TOTAL EXCAVATION COSTS=					\$6,284.22

CULVERTS - MATERIALS & INSTALLATION**Culverts**

90 LF of 18" \$1,530.00
\$1,530.00

Culvert Markers

3 markers \$30.00

TOTAL CULVERT COSTS = \$1,560.00

PROJECT NO. 1 TOTAL COST = \$7,844.22

PROJECT NO. 2:**SURFACING**

	10	" deep =	58 cy/sta			
O to P	1,496	cy of	3" - 0	@	\$8.65 per cy =	\$12,940.40
Turnaround (2)	32	cy of	3" - 0	@	\$8.65 per cy =	\$276.80
Turnouts (3)	84	cy of	3" - 0	@	\$8.65 per cy =	\$726.60
Junction	30	cy of	3" - 0	@	\$8.65 per cy =	\$259.50
Landing (2)	160	cy of	3" - 0	@	\$8.65 per cy =	\$1,384.00
Total =	1802	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$15,587.30

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 1.18 acres @ \$200.00 per acre = \$236.91

PROJECT NO. 3 TOTAL COST = \$236.91

TOTAL COST = \$23,668.44

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Chicken Combo**
Road Segment: **Q to R**

Timber Sale No. : **341-09-31**

Construction: **13+75** stations

0.26 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.26	acres @	\$980.00	per acre =	\$1,237.37
Balanced Road Construction	13.75	sta @	\$90.00	per sta =	\$1,237.50
Construct Turnouts (2)	2	ea @	\$60.00	per ea =	\$120.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	13.75	sta @	\$28.70	per sta =	\$394.63
				TOTAL EXCAVATION COSTS=	\$3,349.50

PROJECT NO. 1 TOTAL COST = \$3,349.50

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta			
Q to R	798	cy of	3" - 0	@	\$8.58 per cy =	\$6,846.84
Turnaround (1)	16	cy of	3" - 0	@	\$8.58 per cy =	\$137.28
Turnouts (2)	56	cy of	3" - 0	@	\$8.58 per cy =	\$480.48
Landing (1)	80	cy of	3" - 0	@	\$8.58 per cy =	\$686.40
Total =	950	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$8,151.00

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil. 0.63 acres @ \$200.00 per acre = \$126.26

PROJECT NO. 3 TOTAL COST = \$126.26

TOTAL COST = \$11,626.76

SUMMARY OF CONSTRUCTION COST

Timber Sale: Chicken Combo
Road Segment: S to T

Timber Sale No. : 341-09-31
Improvement: 35+40 stations
0.67 miles

PROJECT NO. 1

EXCAVATION

Grade, Ditch, and Roll 35.40 sta @ \$28.70 per sta = \$1,015.98
TOTAL EXCAVATION COSTS= \$1,015.98

PROJECT NO. 1 TOTAL COST = \$1,015.98

PROJECT NO. 2:

SURFACING

6 " deep = 35 cy/sta
S to T 1,239 cy of 3" - 0 @ \$8.94 per cy = \$11,076.66
Total = 1,239 cy of 3" - 0

PROJECT NO. 2 TOTAL COST = \$11,076.66

TOTAL COST = \$12,092.64

SUMMARY OF CONSTRUCTION COST

Timber Sale:	Chicken Combo	Timber Sale No. :	341-09-31
Road Segment:	T to U	Construction:	4+30 stations
			0.08 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.39	acres @	\$980.00	per acre =	\$386.96
Balanced Road Construction	4.30	sta @	\$90.00	per sta =	\$387.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	4.30	sta @	\$28.70	per sta =	\$123.41
TOTAL EXCAVATION COSTS=					\$1,257.37

PROJECT NO. 1 TOTAL COST = \$1,257.37**PROJECT NO. 2:**

SURFACING	10	" deep =	58 cy/sta			
T to U	249	cy of	3" - 0	@	\$9.31 per cy =	\$2,318.19
Turnaround (1)	16	cy of	3" - 0	@	\$9.31 per cy =	\$148.96
Landing (1)	80	cy of	3" - 0	@	\$9.31 per cy =	\$744.80
Total =	345	cy of	3" - 0			

PROJECT NO. 2 TOTAL COST = \$3,211.95**PROJECT NO. 3:**

Grass seed, fertilize, and mulch areas of disturbed soil.	0.20	acres @	\$200.00	per acre =	\$39.49
---	------	---------	----------	------------	---------

PROJECT NO. 3 TOTAL COST = \$39.49**TOTAL COST = \$4,508.81**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Chicken Combo
Road Segment: V to W

Timber Sale No. : 341-09-31
Construction: 8+00 stations
0.15 miles

PROJECT NO. 1**EXCAVATION**

Clearing and Grubbing (Scatter)	0.73	acres @	\$980.00	per acre =	\$719.93
Balanced Road Construction	8.00	sta @	\$90.00	per sta =	\$720.00
Construct Turnouts (1)	1	ea @	\$60.00	per ea =	\$60.00
Construct Turnarounds (1)	1	ea @	\$75.00	per ea =	\$75.00
Landing	1	ea @	\$285.00	per ea =	\$285.00
Grade, Ditch, and Roll	8.00	sta @	\$28.70	per sta =	\$229.60
TOTAL EXCAVATION COSTS=					\$2,089.53

PROJECT NO. 1 TOTAL COST = \$2,089.53

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta		
V to W	464	cy of	3" - 0	@	\$9.23 per cy = \$4,282.72
Turnaround (1)	16	cy of	3" - 0	@	\$9.23 per cy = \$147.68
Turnouts (1)	28	cy of	3" - 0	@	\$9.23 per cy = \$258.44
Landing (1)	80	cy of	3" - 0	@	\$9.23 per cy = \$738.40
Total =	588	cy of	3" - 0		

PROJECT NO. 2 TOTAL COST = \$5,427.24

PROJECT NO. 3:

Grass seed, fertilize, and mulch areas of disturbed soil.	0.37	acres @	\$200.00	per acre =	\$73.46
---	------	---------	----------	------------	---------

PROJECT NO. 3 TOTAL COST = \$73.46

TOTAL COST = \$7,590.23

SUMMARY OF CONSTRUCTION COST

Timber Sale:	<u>Chicken Combo</u>	Timber Sale No. :	<u>341-09-31</u>
Road Segment:	<u>X to S</u>	Improvement:	<u>95+00</u> stations
			<u>1.80</u> miles

PROJECT NO. 1

EXCAVATION

Grade, Ditch, and Roll

95.00	sta @	\$28.70	per sta =	<u>\$2,726.50</u>	
			TOTAL EXCAVATION COSTS=		<u>\$2,726.50</u>

PROJECT NO. 1 TOTAL COST = \$2,726.50

TOTAL COST = \$2,726.50

Timber Sale: **Chicken Combo**
Sale Number: **341-09-31**

[illegible]

TIMBER SALE SUMMARY
Chicken Combo
341-09-31

1. **Type of Sale:** Area 1 is modified clearcut, Areas 2 and 3 are automark moderate partial cut with *Phellinus* root-rot treatment, and Area 4 is R/W. This is a recovery, sealed-bid auction.

2. **Revenue Distribution:** 98% BOF, 2% CSL, Tillamook County, Tax code 9-2, 100% Rehab Obligation.

3. **Sale Acreage:** Area 1 is 69 acres, Area 2 is 159 acres, Area 3 is 62 acres, and Area 4 R/W is 7 acre, all determined using ArcGIS. 1 acres of trail buffer, 8 acres of existing road, 7 acres of stream buffer, 2 acres of green tree retention, and 3 acres of non-thinnable area within the sale were removed from the 318 gross acre measurement.

4. **Volume (Less 2% Defect) MBF:**

Species	2 Saw	3 Saw	4 Saw	Camprun	Volume
Douglas-fir	2,464	2,233	1,295	0	5,992 MBF
Hemlock and other conifers	13	9	10	0	32 MBF
Alder and other hardwoods	0	0	0	3	3 MBF

5. **Cruise Data:** Areas 1, 2 and 3 were variable-plot cruised using a 40 BAF and full plots. Area 1 plots were 3 chain spacing on predetermined lines using ArcGIS. Area 2 and 3 plots were installed on a 330' (5 chains) x 528' (8 chains) fixed grid. Area 1 had 24 plots, and Areas 2 and 3 had 43 plots. R/W volume was determined using average volumes multiplied by R/W acreage.

Cruise statistics for Areas 1 had a CV 39.6% and SE 8.3%, Areas 2 and 3 had a CV of 84.5% and SE of 12.9%.

6. **Timber Description:** The stand is composed of moderately stocked to over-stocked Douglas-fir. The average take DBH is 15 inches. Average leave DBH is 21 inches in the thinning. Take tree volumes per acre average 13.2 MBF of Douglas-fir in the thinning, and 40.7 MBF per acre in the clearcut.

7. **Topography and Logging Method:** The timber sale is 75% ground-based and 25% cable-based yarding, with slopes ranging from 5-65%; aspects are varied. Elevation ranges from 1600 to 2300 feet.

8. **Access:** Access is via Highway 6 to Beaver Dam Road, then to Jack Rabbit Spur and Chicken Road. The sale areas extend from South Fork of the Wilson River on the West, to the Jack Rabbit Spur to the East.

9. Projects:

Project No. 1 consists of constructing 1.98 miles and improving 2.47 miles of road costing \$36,672.66 for sale access.

Project No. 2 consists of surfacing 2.66 miles of road with 8,954 cubic yards of three-inch minus, costing \$76,775.51.

Project No. 3 consists of grass seeding and fertilization in areas of disturbed soil costing \$961.43.

Move in cost is \$4,610.66.

Total credit for all projects is \$121,030.00.

10. Other Costs:

Costs with (P/R):

Brand and paint (6,027 MBF @ \$1/MBF):	\$6,027
Top 140 trees @ \$40/Tree:	\$5,600
Total (P/R):	\$11,627

Costs (NO P/R):

Blocking and Waterbarring of skid roads (12 hours @ \$150/hour):	\$1,800
OHV Trail clearing (15 stations @ \$100/station):	\$1,500
Firewood Sorting (12 hours @ \$150/hour):	\$1,800
Fire Trailing (Dozer) (5,400 feet @ \$1/foot):	\$5,400
Total (NO P/R)	\$10,500

CRUISE REPORT
Chicken Combo
341-09-31

1. Acreage Calculation: Area 1 is 69 acres, Area 2 is 159 acres, and Area 3 is 62 acres, all determined using ArcGIS. Area 4 R/W is 7 acres of the timber sale area (determined using ArcGIS). 8 acres of existing road, 7 acres of stream buffer, 2 acres of green tree retention, 3 acres of non-thinnable area, and 1 acre of trail buffer within the sale were removed from the 318 gross acre measurement.

2. Cruise Method: Areas 1, 2 and 3 were variable-plot cruised using a 40 BAF and full plots. Area 1 plots were 3 chain spacing on predetermined lines using ArcGIS. Area 2 and 3 plots were installed on a 330' (5 chains) x 528' (8 chains) fixed grid. Area 1 had 24 plots, and Areas 2 and 3 had 43 plots. R/W volume was determined using average volumes multiplied by R/W acreage.

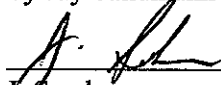
3. Sampling Intensity:

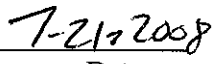
Area 1	Estimated	Actual
CV	45%	39.6%
SE	12%	8.3%
No. of Plots	14	24

Areas 2, 3	Estimated	Actual
CV	85%	84.5%
SE	12%	12.9%
No. of Plots	50	43

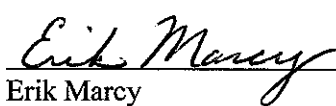
4. **Form Factors:** Each tree was estimated or measured for form factor using a relaskop with a form point of 16 feet.
5. **Height Standards:** Conifer and hardwood merchantable heights were estimated to the nearest foot.
6. **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
7. **Grading System:** All trees were graded favoring 40 foot segments.
8. **Merchantable Top:** Conifer and hardwood merchantable tops were measured to 6 inches and 7 inches diameter outside bark, respectively, or 25% of DBH, whichever is greater.
9. **Computation Procedures:** Volumes were computed using the Super Ace program. Five percent was added to the partial cut volume to account for additional Phellinus cut-out.
10. **Deductions:** Two percent of the conifer and five percent hardwood volume was subtracted from the computed volumes to account for hidden defect and breakage.
11. **Cruisers:** The sale was cruised by Jay Sandmann in May 2008.

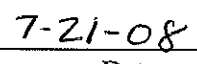
12. **Signatures:** Preparer:


J. Sandmann


Date

Unit Forester:


Erik Marcy


Date

Residual Stand Specifications
Chicken Combo
341-09-31

Area 2 and 3 Moderate Partial Cut

Residual QMD assumption (from cruise leave tree information) - 21 inches.
Target Relative Density - 30

	Minimum	Target	Maximum
Relative Density	28	30	32
Basal Area	130	140	150
Trees per Acre	54	58	62

$$RD = BA / \sqrt{DBH}$$

$$BA = \sqrt{DBH} (RD)$$

$$BA/tree = (\pi r^2) / (144)$$

$$TPA = (BA/acre) / (BA/tree)$$

Chicken Combo
341-09-31
Volume Summary
July 2008

Area 1: Modified Clearcut

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Take Volume	1377	1065	323		2765
	Total - 2% Defect	1349	1044	317		2710
	% Total	49	39	12		
Noble fir	Take Volume	0	0	0		
Hemlock et. al.	Take Volume	1	3	2		6
	Total - 2% Defect	1	3	2		6
	% Total	16	50	34		

Areas 2 and 3: Moderate Partial Cut

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Take Volume	951	1076	903		2930
	Phellinus ¹	48	54	45		147
	Total - 2% Defect	979	1107	929		3015
	% Total	32	37	31		
Noble Fir	Take Volume	0	0	0		
	Phellinus ¹	5	2	3		
	Total - 2% Defect	5	2	3		10
	% Total	50	20	30		
Hemlock et al.	Take Volume	0	0	0		0
	Phellinus ¹	2	1	1		0
	Total - 2% Defect	2	1	1		4
	% Total	50	25	25		

¹ Five percent was added to partial cut volume to account for Phellinus cut-out.

² ODF right of way is estimated to be 0.5 acres in Area 1 and 6.8 acres in Areas 2 and 3, obtained using ArcGIS. R/W Volumes were established using volume per acre estimates from the SuperAce 2004 program.

Area 4: Right of Way

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Right of Way ²	139	84	50		273
	Total – 2% Defect	136	82	49		267
	% Total	50	30	20		
Noble fir	Right of Way ²	4	3	3		10
	% Total	40	30	30		
Hemlock et. al.	Right of Way ²	1	0	1		2
Red Alder	Right of Way ²				3	3

1 Five percent was added to partial cut volume to account for Phellinus cut-out.

2 ODF right of way is estimated to be 0.5 acres in Area 1 and 6.8 acres in Areas 2 and 3, obtained using ArcGIS. R/W Volumes were established using volume per acre estimates from the SuperAce 2004 program.

TC PSTATS			PROJECT STATISTICS					PAGE 1				
ODF			PROJECT		CHIXCOM		DATE 7/18/2008					
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
01N	06	01	CHICKEN	AIMC	69.00	24	150	S	W			
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			24	150	6.3							
CRUISE			24	150	6.3	10,634	1.4					
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			148	153.4	17.2	72	61	246.7	40,868	40,070	9,441	9,441
NF			2	.8	28.5	96	1	3.3	683	670	149	149
TOTAL			150	154.1	17.2	73		250.0	41,551	40,740	9,591	9,590
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		80.0	16.7	128	153	179						
NF		354.8	73.9	0	1	1						
TOTAL		79.6	16.6	129	154	180	264	66	29			
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		36.6	7.6	228	247	265						
NF		338.8	70.6	1	3	6						
TOTAL		36.0	7.5	231	250	269	54	14	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			
DF		39.6	8.3	36,762	40,070	43,379						
NF		339.0	70.6	197	670	1,143						
TOTAL		39.1	8.1	37,423	40,740	44,057	64	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			
DF		36.1	7.5	8,731	9,441	10,152						
NF		338.8	70.6	44	149	254						
TOTAL		35.6	7.4	8,878	9,590	10,303	53	13	6			

TC TLOGSTVB				Log Stock Table - MBF																
ODF				Project: CHIXCOM																
T01N R06W S01 TA1MC										T01N R06W S01 TA1M										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
01N	06W	01	CHICKEN	A1MC	69.00	24	150	Date	7/18/2008											
										Time	2:08:35PM									
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		DO	CU	34																
DF		DO	2S	28	14		14	.5												14
DF		DO	2S	32	54		54	1.9							12	16	16	10		
DF		DO	2S	36	15		15	.5									15			
DF		DO	2S	40	1,332	2.8	1,295	46.8						70	218	511	267	167	61	
DF		DO	3S	11	1		1	.0			1									
DF		DO	3S	16	12		12	.4							4	8				
DF		DO	3S	20	5		5	.2					5							
DF		DO	3S	21	6		6	.2			2				4					
DF		DO	3S	22	5		5	.2			1					5				
DF		DO	3S	23	5		5	.2					5							
DF		DO	3S	24	22	4.7	21	.7			2	4		4		11				
DF		DO	3S	28	12		12	.5				9		4						
DF		DO	3S	32	188	.4	187	6.8			30	38	60	33	22	4				
DF		DO	3S	34	5		5	.2			5									
DF		DO	3S	36	19		19	.7			6		5	8						
DF		DO	3S	40	802	1.7	788	28.5			80	157	183	214	70	29		55		
DF		DO	4S	9																
DF		DO	4S	12	7		7	.3			7									
DF		DO	4S	13	7		7	.3			7									
DF		DO	4S	14	5		5	.2			5									
DF		DO	4S	15	4	8.8	4	.1			4									
DF		DO	4S	16	18		18	.7			18									
DF		DO	4S	17	4		4	.1			4									
DF		DO	4S	18	1		1	.0			1									
DF		DO	4S	19	3		3	.1			3									
DF		DO	4S	20	5		5	.2			5									
DF		DO	4S	21	6		6	.2			3			4						
DF		DO	4S	22	14		14	.5			4		5			5				
DF		DO	4S	23	5		5	.2			5									
DF		DO	4S	24	3		3	.1			3									
DF		DO	4S	25	1		1	.0			1									
DF		DO	4S	26	18		18	.6			6	7				4				
DF		DO	4S	27	7		7	.3			7									
DF		DO	4S	28	1		1	.1			1									
DF		DO	4S	30	14	5.9	13	.5			13									
DF		DO	4S	31	3		3	.1			3									
DF		DO	4S	32	40		40	1.4			15	8	12		5					
DF		DO	4S	34	4		4	.1			4									
DF		DO	4S	35	4		4	.1			4									
DF		DO	4S	36	11		11	.4			11									
DF		DO	4S	37	13		13	.5			13									
DF		DO	4S	38	13		13	.5			13									
DF		DO	4S	40	113	.6	113	4.1			73	32		8						
DF		Totals			2,820	2.0	2,765	98.4			360	256	274	344	335	591	297	232	75	
NF		DO	2S	40	36	2.5	35	76.6							18		18			
NF		DO	3S	36	5		5	11.7					5							
NF		DO	3S	40	4		4	9.5						4						
NF		DO	4S	16	1		1	2.2			1									

TC TLOGSTVB				Log Stock Table - MBF																	
ODF				Project: CHIXCOM																	
T01N R06W S01 TA1MC										T01N R06W S01 TA1M											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees				Page	2									
01N	06W	01	CHICKEN	A1MC	69.00	24	150				Date	7/18/2008									
										Time	2:08:35PM										
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+	
NF		Totals			47	1.9	46	1.6			1		5		4	18		18			
Total All Species					2,867	2.0	2,811	100.0			361	256	279	349	335	609	297	250	75		

TC TSTNDSUM				Stand Table Summary												
ODF				Project						CHIXCOM						
T01N R06W S01 TA1MC										T01N R06W S01 TA1M						
Twp	Rge	Sec	Tract	Type			Acres	Plots	Sample Trees			Page:	1			
01N	06W	01	CHICKEN	A1MC			69.00	24	150			Date:	07/18/201			
										Time:	2:08:35PM					
Spc	S T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DF		5	1	71	30	12.223	1.67									
DF		8	2	86	32	9.549	3.33	4.77	3.7	20.0	.57	18	95	39	12	7
DF		9	4	89	81	15.090	6.67	15.09	10.8	57.5	5.23	163	868	361	113	60
DF		10	4	88	91	12.223	6.67	18.33	10.8	45.0	6.36	198	825	439	137	57
DF		11	2	90	101	5.051	3.33	5.05	16.3	70.0	2.63	82	354	181	57	24
DF		12	2	91	91	4.244	3.33	8.49	10.1	45.0	2.74	86	382	189	59	26
DF		13	7	89	74	12.657	11.67	21.70	14.1	51.7	9.82	307	1,121	678	212	77
DF		14	9	88	92	14.032	15.00	29.62	17.2	70.5	16.26	508	2,089	1,122	351	144
DF		15	4	87	99	5.432	6.67	9.51	25.4	104.3	7.72	241	991	532	166	68
DF		16	5	88	92	5.968	8.33	11.94	24.9	91.0	9.52	297	1,086	657	205	75
DF		17	6	87	103	6.344	10.00	12.69	31.3	122.5	12.72	398	1,554	878	274	107
DF		18	8	87	104	7.545	13.33	18.86	29.0	114.0	17.48	546	2,150	1,206	377	148
DF		19	4	88	106	3.386	6.67	7.62	35.5	135.6	8.65	270	1,033	597	187	71
DF		20	6	87	104	4.584	10.00	11.46	34.1	137.3	12.51	391	1,574	863	270	109
DF		21	5	87	103	3.465	8.33	8.32	40.8	162.5	10.86	339	1,351	749	234	93
DF		22	10	87	107	6.314	16.67	17.05	40.4	171.9	22.02	688	2,930	1,519	475	202
DF		23	4	87	106	2.311	6.67	5.78	47.8	201.0	8.83	276	1,161	609	190	80
DF		24	7	87	110	3.714	11.67	10.08	48.6	214.7	15.66	490	2,165	1,081	338	149
DF		25	7	87	112	3.422	11.67	9.29	54.5	236.8	16.19	506	2,200	1,117	349	152
DF		26	5	86	109	2.260	8.33	6.33	56.5	246.4	11.44	358	1,560	790	247	108
DF		27	5	87	115	2.096	8.33	5.87	62.0	269.3	11.65	364	1,580	804	251	109
DF		28	6	85	101	2.339	10.00	5.85	67.8	274.0	12.68	396	1,602	875	274	111
DF		29	4	86	110	1.453	6.67	3.63	80.0	338.0	9.31	291	1,228	642	201	85
DF		30	1	87	115	.340	1.67	.68	93.7	455.0	2.04	64	309	140	44	21
DF		31	1	85	105	.318	1.67	.95	72.4	320.0	2.21	69	305	153	48	21
DF		32	5	85	107	1.492	8.33	4.77	74.2	337.5	11.34	354	1,611	782	245	111
DF		33	5	85	108	1.403	8.33	3.65	92.7	408.5	10.83	338	1,490	747	233	103
DF		34	3	85	107	.793	5.00	2.38	88.4	387.8	6.73	210	923	464	145	64
DF		35	3	86	113	.748	5.00	2.25	99.0	445.6	7.11	222	1,000	491	153	69
DF		36	4	85	113	.943	6.67	2.59	113.2	475.5	9.39	294	1,233	648	203	85
DF		37	1	83	130	.223	1.67	.67	118.8	553.3	2.55	80	371	176	55	26
DF		38	1	85	96	.212	1.67	.63	101.8	466.7	2.07	65	296	143	45	20
DF		39	1	86	108	.201	1.67	.60	123.2	536.7	2.38	74	323	164	51	22
DF		40	1	83	101	.191	1.67	.57	115.9	520.0	2.12	66	298	147	46	21
DF		42	1	86	98	.173	1.67	.52	126.9	600.0	2.11	66	312	146	45	22
DF		44	2	85	117	.316	3.33	.95	153.5	768.3	4.65	145	728	321	100	50
DF		45	2	86	138	.302	3.33	1.21	149.7	805.0	5.78	181	972	399	125	67
DF	Totals	148	86	87		153.357	246.67	269.74	35.0	148.5	302.13	9,441	40,070	20,847	6,514	2,765
NF	25	1	88	111		.489	1.67	1.47	51.4	236.7	2.41	75	347	166	52	24
NF	34	1	87	110		.264	1.67	.79	93.1	406.7	2.36	74	322	163	51	22
NF	Totals	2	88	111		.753	3.33	2.26	66.0	296.3	4.77	149	670	329	103	46
Totals		150	86	87		154.110	250.00	272.00	35.3	149.8	306.90	9590	40,740	21,176	6,617	2,811

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1							
ODF		Project: CHIXCOM										Date 7/18/2008							
												Time 2:08:36PM							
T01N R06W S01 TA1MC										T01N R06W S01 TA1MC									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
01N	06W	01	CHICKEN	A1MC	69.00	24	150	S	W										
S So Gr T rt ad Spp		%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
							Log Scale Dia.				Log Length				Ln	Bd	CF/		
		Net	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	Ft	Lf		
DF	DO	CU													34		0.00	.5	
DF	DO	2S	49	2.7	20,501	19,956	1,377		30	70		1	4	95	40	513	2.75	38.9	
DF	DO	3S	39	1.4	15,663	15,437	1,065		56	36	8	2	5	18	76	37	134	0.94	115.1
DF	DO	4S	12	.6	4,704	4,677	323		92	6	1	17	21	16	46	26	42	0.45	111.5
DF	Totals		98	2.0	40,868	40,070	2,765		32	30	38	3	5	11	82	32	151	1.10	266.0
NF	DO	2S	76	2.5	526	513	35			100				100	40	681	3.34	.8	
NF	DO	3S	21		142	142	10		55	45				100	37	188	1.52	.8	
NF	DO	4S	3		15	15	1		100			100			16	20	0.47	.8	
NF	Totals		2	1.9	683	670	46		14	9	77	2		98	31	296	2.12	2.3	
Type Totals				2.0	41,551	40,740	2,811		32	29	39	3	5	11	82	32	152	1.10	268.3

TC PSTATS		PROJECT STATISTICS						PAGE 1			
ODF		PROJECT		CHIXCOM		DATE		7/18/2008			
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt	
01N	06	01	CHICKEN	PC-M		221.00	43	246	S	W	
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			43	246	5.7						
CRUISE			43	246	5.7	31,668	.8				
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			137	53.8	20.9	87	128.0	23,852	23,734	5,256	5,256
DF TAKE			87	74.1	14.2	63	81.8	13,304	13,257	2,941	2,941
R ALDER			9	7.9	13.9	32	8.4	472	472	188	188
NF LEAVE			5	1.3	25.9	102	4.7	944	891	203	203
WH LEAVE			3	4.8	10.4	29	2.8	307	307	68	68
GF LEAVE			3	.6	29.3	114	2.8	722	722	145	145
HARDSNAG			2	.8	21.1	56	1.9				
TOTAL			246	143.3	17.2	70	230.3	39,602	39,382	8,802	8,801
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		83.2	12.7	47	54	61					
DF TAKE		96.1	14.6	63	74	85					
R ALDER		427.7	65.2	3	8	13					
NF LEAVE		320.5	48.8	1	1	2					
WH LEAVE		432.9	66.0	2	5	8					
GF LEAVE		406.9	62.0	0	1	1					
HARDSNAG		470.6	71.7	0	1	1					
TOTAL		69.7	10.6	128	143	159	194	49	22		
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		31.9	4.9	122	128	134					
DF TAKE		74.6	11.4	73	82	91					
R ALDER		383.9	58.5	3	8	13					
NF LEAVE		278.9	42.5	3	5	7					
WH LEAVE		369.5	56.3	1	3	4					
GF LEAVE		369.5	56.3	1	3	4					
HARDSNAG		458.1	69.8	1	2	3					
TOTAL		34.4	5.2	218	230	242	47	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		
DF LEAVE		37.4	5.7	22,383	23,734	25,085					
DF TAKE		84.5	12.9	11,549	13,257	14,964					
R ALDER		373.8	56.9	203	472	741					
NF LEAVE		281.1	42.8	509	891	1,272					
WH LEAVE		446.2	68.0	98	307	516					
GF LEAVE		371.0	56.5	314	722	1,130					
HARDSNAG											
TOTAL		42.9	6.5	36,808	39,382	41,956	73	18	8		
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		

TC TLOGSTVB				Log Stock Table - MBF																
ODF				Project: CHIXCOM																
T01N R06W S01 TPC-M												T01N R06W S01 TPC-								
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
01N	06W	01	CHICKEN	PC-M	221.00	43	246	Date	7/18/2008											
									Time	2:09:35PM										
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+
DL	DO	2S	32		45		45	.9					7		38					
DL	DO	2S	40		3,195	.7	3,171	60.5					269		327	1255	975	346		
DL	DO	3S	21		7		7	.1					7							
DL	DO	3S	22		3		3	.1			3									
DL	DO	3S	24		20		20	.4							20					
DL	DO	3S	32		218		218	4.1			8	60	55	39	16	26	14			
DL	DO	3S	40		1,134	.2	1,131	21.6			2	222	571	216	106	13				
DL	DO	4S	12		6		6	.1			6									
DL	DO	4S	13		7		7	.1			7									
DL	DO	4S	14		5		5	.1			5									
DL	DO	4S	15		13		13	.3			13									
DL	DO	4S	16		8		8	.2			6		2							
DL	DO	4S	17		15		15	.3			15									
DL	DO	4S	18		9		9	.2			9									
DL	DO	4S	19		12		12	.2			12									
DL	DO	4S	20		25		25	.5			19				6					
DL	DO	4S	21		4		4	.1			4									
DL	DO	4S	22		13		13	.2			13									
DL	DO	4S	23		18		18	.3			18									
DL	DO	4S	24		3		3	.0			3									
DL	DO	4S	25		5		5	.1			5									
DL	DO	4S	26		21		21	.4			21									
DL	DO	4S	27		7		7	.1			7									
DL	DO	4S	28		1		1	.0			1									
DL	DO	4S	29		6		6	.1			6									
DL	DO	4S	30		30		30	.6			21						9			
DL	DO	4S	31		1		1	.0			1									
DL	DO	4S	32		58		58	1.1			58									
DL	DO	4S	33		14		14	.3			14									
DL	DO	4S	34		33		33	.6			33									
DL	DO	4S	35		5		5	.1			5									
DL	DO	4S	36		14		14	.3			14									
DL	DO	4S	37		11		11	.2			11									
DL	DO	4S	39		2		2	.0			2									
DL	DO	4S	40		297		297	5.7			148	141	8							
DL	DO	4S	41		8		8	.2			8									
DL	Totals				5,271		5,245	60.3			498	423	642	531	475	1341	989	346		
DT	DO	2S	24		21		21	.7							21					
DT	DO	2S	40		932	.2	931	31.8					139		258	385	125	23		
DT	DO	3S	11		3	33.3	2	.1			2									
DT	DO	3S	16		23		23	.8						23						
DT	DO	3S	21		8	44.4	4	.1					4							
DT	DO	3S	24		22		22	.7									22			
DT	DO	3S	32		59		59	2.0				49	10							
DT	DO	3S	40		967	.2	966	33.0			72	227	496	116	47	7				
DT	DO	4S	12		21		21	.7			14			7						
DT	DO	4S	14		4		4	.1			4									
DT	DO	4S	15		8		8	.3			8									
DT	DO	4S	16		9		9	.3			9									
DT	DO	4S	17		16		16	.6			16									

TC TLOGSTVB				Log Stock Table - MBF																																					
ODF				Project: CHIXCOM																																					
T01N R06W S01 TPC-M												T01N R06W S01 TPC-																													
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		Page		2																							
01N		06W		01		CHICKEN		PC-M		221.00		43		246		Date		7/18/2008																							
												Time		2:09:35PM																											
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+	
DT		DO		4S		19		18						18		.6						18																			
DT		DO		4S		20		3						3		.1						3																			
DT		DO		4S		21		18						18		.6						18																			
DT		DO		4S		22		34						34		1.1						34																			
DT		DO		4S		23		14						14		.5						14																			
DT		DO		4S		24		63						54		2.2		9																							
DT		DO		4S		25		12						12		.4						12																			
DT		DO		4S		26		21						21		.7						21																			
DT		DO		4S		27		9						9		.3						9																			
DT		DO		4S		28		5						5		.2						5																			
DT		DO		4S		30		19						19		.6						19																			
DT		DO		4S		32		153						87		65																									
DT		DO		4S		33		10						10		.4						10																			
DT		DO		4S		36		12						12		.4						12																			
DT		DO		4S		40		458		.7		455		15.5								356		60		38															
DT		Totals						2,940				2,930		33.7								797		410		548		286		305		435		125		23					
RA		DO		4S		16		13						13		12.7																									
RA		DO		4S		22		5						5		5.0																									
RA		DO		4S		28		7						7		6.3																									
RA		DO		4S		33		16						16		15.1																									
RA		DO		4S		35		3						3		3.2																									
RA		DO		4S		37		19						19		18.1																									
RA		DO		4S		40		41						22		39.7						20																			
RA		Totals						104				104		1.2								85				20															
NL		DO		2S		40		95		1.8		94		47.6																62		32									
NL		DO		3S		32		7				7		3.8												7															
NL		DO		3S		40		47		12.7		41		20.9								11		20		10															
NL		DO		4S		15		1				1		.3								1																			
NL		DO		4S		17		2				2		.8								2																			
NL		DO		4S		21		1				1		.6								1																			
NL		DO		4S		22		3				3		1.6								3																			
NL		DO		4S		23		1				1		.4								1																			
NL		DO		4S		40		51		8.1		47		23.9				11						36																	
NL		Totals						209		5.7		197		2.3				7		11		11		20		54				62		32									
HL		DO		2S		40		31				31		45.3										31																	
HL		DO		3S		40		10				10		15.1				10																							
HL		DO		4S		15		2				2		2.5				2																							
HL		DO		4S		17		8				8		11.1				8																							
HL		DO		4S		22		18				18		26.0				18																							
HL		Totals						68				68		.8				27		10				31																	
GL		DO		2S		40		120				120		75.1										47						73											
GL		DO		3S		40		34				34		21.4						14								20													
GL		DO		4S		26		2				2		1.3				2																							
GL		DO		4S		28		2				2		1.1				2																							
GL		DO		4S		40		2				2		1.1				2																							
GL		Totals						159				159		1.8				6				14		47		20		73													

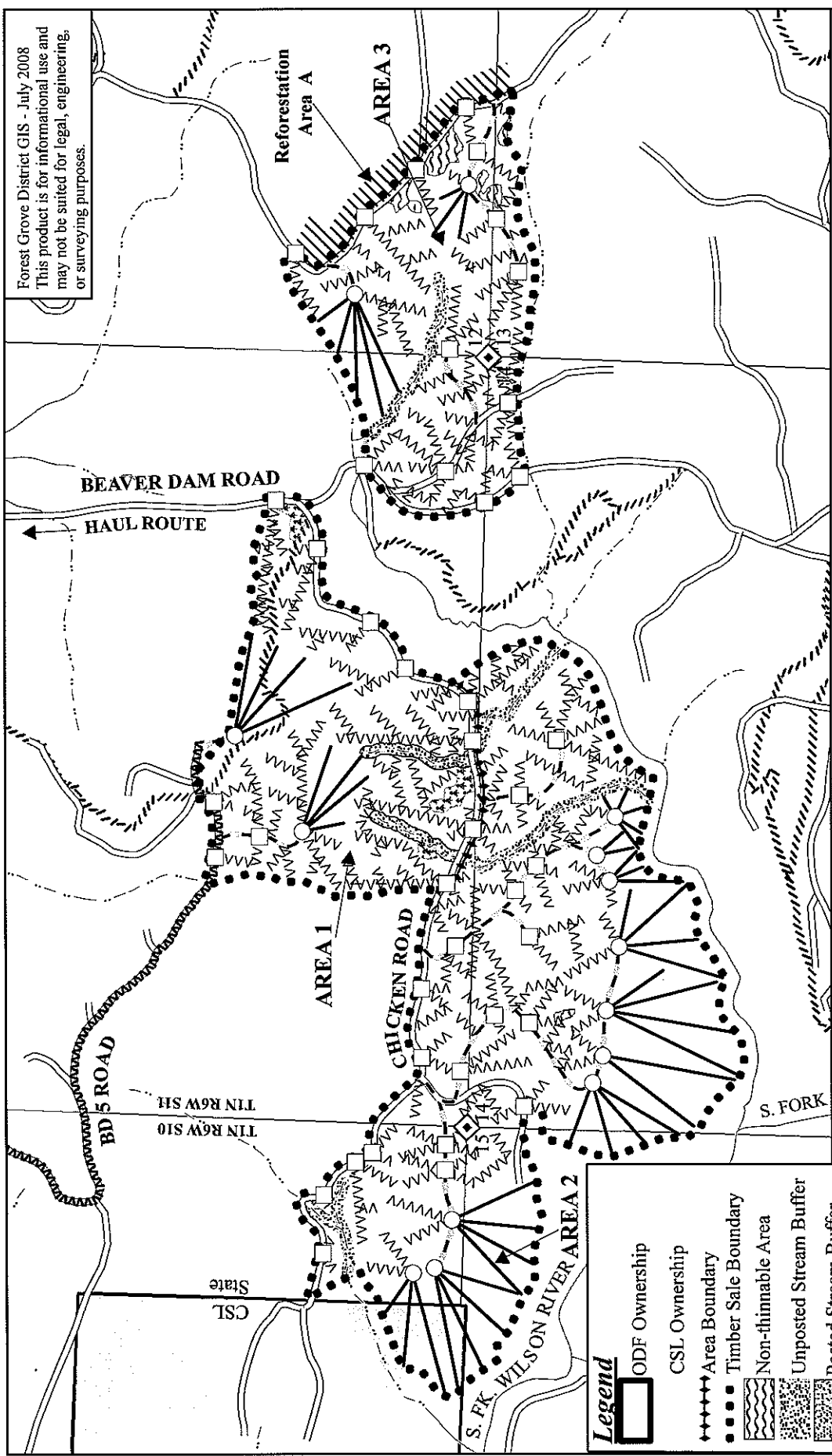
TC TLOGSTVB				Log Stock Table - MBF																
ODF				Project: CHIXCOM																
T01N R06W S01 TPC-M										T01N R06W S01 TPC-										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	3											
01N	06W	01	CHICKEN	PC-M	221.00	43	246	Date	7/18/2008											
								Time	2:09:35PM											
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+	
Total All Species			8,752		8,703	100.0			1419	855	1221	851	864	1822	1196	474				

TC TSTNDSUM				Stand Table Summary												
ODF				Project CHIXCOM												
T01N R06W S01 TPC-M										T01N R06W S01 TPC-M						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page: 1								
01N	06W	01	CHICKEN	PC-M	221.00	43	246	Date: 07/18/201								
								Time: 2:09:33PM								
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DL		11	3	88	136	4.229	2.79	8.46	12.5	61.7	2.48	105	522	547	233	115
DL		12	3	87	85	3.553	2.79	5.92	12.0	50.0	1.67	71	296	370	157	65
DL		13	4	87	111	4.037	3.72	9.08	14.1	64.4	3.02	128	585	667	284	129
DL		14	8	87	111	6.961	7.44	14.79	18.2	82.4	6.34	270	1,218	1,400	596	269
DL		15	1	87	135	.758	.93	2.27	17.3	80.0	.92	39	182	204	87	40
DL		16	7	87	107	4.664	6.51	9.99	23.7	102.0	5.57	237	1,019	1,231	524	225
DL		17	4	88	104	2.361	3.72	5.31	24.7	103.3	3.08	131	549	681	290	121
DL		18	3	87	104	1.579	2.79	3.68	27.0	108.6	2.34	100	400	517	220	88
DL		19	7	87	112	3.582	7.05	9.33	29.7	117.0	6.52	277	1,092	1,441	613	241
DL		20	5	87	117	2.132	4.65	6.40	28.7	126.7	4.31	184	810	953	406	179
DL		21	6	87	117	2.320	5.58	6.57	34.4	145.9	5.31	226	959	1,173	499	212
DL		22	1	87	128	.352	.93	1.06	38.8	180.0	.96	41	190	213	91	42
DL		23	4	88	126	1.290	3.72	3.87	43.0	196.7	3.91	166	761	865	368	168
DL		24	7	87	127	2.073	6.51	6.22	46.2	207.6	6.75	287	1,291	1,491	634	285
DL		25	5	87	124	1.364	4.65	3.82	52.2	237.1	4.68	199	906	1,035	440	200
DL		26	9	87	129	2.271	8.37	6.81	55.6	249.6	8.91	379	1,701	1,968	838	376
DL		27	4	86	115	.936	3.72	2.81	54.5	235.8	3.59	153	662	794	338	146
DL		28	8	87	129	1.740	7.44	5.22	64.1	294.6	7.87	335	1,538	1,738	740	340
DL		29	7	86	128	1.420	6.51	4.06	73.2	343.0	6.98	297	1,391	1,543	656	307
DL		30	4	86	119	.758	3.72	2.27	63.5	288.3	3.39	144	656	750	319	145
DL		31	8	86	122	1.420	7.44	4.08	76.7	350.4	7.36	313	1,430	1,627	692	316
DL		32	1	86	117	.167	.93	.50	80.2	370.0	.94	40	185	208	89	41
DL		33	8	86	128	1.253	7.44	3.76	87.7	422.9	7.75	330	1,590	1,713	729	351
DL		34	8	85	113	1.180	7.44	3.25	95.2	426.8	7.26	309	1,385	1,605	683	306
DL		35	1	87	117	.139	.93	.42	95.7	393.3	.94	40	164	208	88	36
DL		36	3	87	129	.395	2.79	1.18	100.1	524.4	2.79	119	621	615	262	137
DL		38	4	86	120	.472	3.72	1.42	116.8	575.0	3.89	166	815	860	366	180
DL		39	3	86	123	.336	2.79	1.01	123.1	584.4	2.92	124	590	645	274	130
DL		41	1	86	136	.101	.93	.30	148.5	740.0	1.06	45	225	235	100	50
DL		Totals	137	87	116	53.844	127.98	133.87	39.3	177.3	123.51	5,256	23,734	27,296	11,615	5,245
DT		8	2	89	68	5.330	1.86	5.33	6.1	40.0	.77	33	213	170	72	47
DT		9	5	88	76	10.528	4.65	10.53	10.0	54.0	2.47	105	569	546	232	126
DT		10	8	87	92	14.356	7.83	21.89	9.3	44.3	4.79	204	971	1,058	450	215
DT		11	5	89	106	7.048	4.65	14.10	10.0	45.0	3.33	141	634	737	313	140
DT		12	4	88	94	4.738	3.72	8.29	13.1	55.7	2.56	109	462	565	241	102
DT		13	4	88	103	4.274	3.94	8.55	16.2	73.1	3.25	139	625	719	306	138
DT		14	5	87	117	4.351	4.65	8.70	19.5	87.0	3.99	170	757	882	375	167
DT		15	5	87	107	3.790	4.65	7.58	22.3	99.0	3.97	169	750	876	373	166
DT		16	8	87	120	5.330	7.44	13.99	20.5	90.0	6.74	287	1,259	1,490	634	278
DT		17	2	87	111	1.352	2.13	3.47	23.6	96.8	1.92	82	336	425	181	74
DT		18	4	87	113	2.106	3.72	4.74	26.5	108.9	2.95	126	516	653	278	114
DT		19	4	87	111	1.890	3.72	5.20	28.1	116.4	3.44	146	605	759	323	134
DT		20	2	87	130	.853	1.86	2.56	33.0	150.0	1.98	84	384	439	187	85
DT		21	6	87	116	2.320	5.58	7.35	30.0	130.0	5.18	220	955	1,144	486	211
DT		22	3	88	127	1.057	2.79	3.17	38.2	180.0	2.85	121	571	629	268	126
DT		23	1	86	135	.322	.93	.97	44.5	203.3	1.01	43	197	223	95	43
DT		24	3	85	122	.888	2.79	2.66	43.9	188.9	2.75	117	503	608	259	111
DT		25	4	87	129	1.092	3.72	3.27	51.1	228.3	3.93	167	748	869	370	165
DT		26	3	87	112	.757	2.79	2.02	56.0	235.0	2.65	113	474	586	250	105
DT		27	1	85	114	.234	.93	.70	53.6	233.3	.88	38	164	196	83	36
DT		28	4	87	133	.870	3.72	2.61	66.5	312.5	4.08	173	816	901	383	180
DT		30	1	87	143	.190	.93	.57	80.8	396.7	1.08	46	226	239	102	50

TC TSTNDSUM				Stand Table Summary												
ODF				Project				CHIXCOM								
T01N R06W S01 TPC-M												T01N R06W S01 TPC-M				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees		Page: 2							
01N	06W	01	CHICKEN	PC-M	221.00	43	246		Date: 07/18/201							
									Time: 2:09:33PM							
S Spc	T	Sample		Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	16'				Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DT		31	2	87	124	.355	1.86	1.06	77.0	358.3	1.93	82	382	426	181	84
DT		45	1	78	132	.084	.93	.25	104.7	560.0	.62	26	141	137	58	31
DT		Totals	87	88	100	74.114	81.81	139.56	21.1	95.0	69.12	2,941	13,257	15,276	6,499	2,930
NL		19	1	89	132	.472	.93	1.42	29.3	110.0	1.04	42	156	230	92	34
NL		22	1	87	120	.352	.93	1.06	38.1	160.0	1.01	40	169	223	89	37
NL		32	1	89	117	.167	.93	.50	85.0	420.0	1.06	42	210	235	94	46
NL		34	1	85	101	.148	.93	.44	82.8	363.3	.92	37	161	202	81	36
NL		36	1	85	117	.132	.93	.39	106.4	493.3	1.05	42	195	232	93	43
NL		Totals	5	88	122	1.271	4.65	3.81	53.2	233.6	5.07	203	891	1,121	449	197
GL		23	1	87	131	.322	.93	.97	49.7	230.0	1.32	48	222	292	106	49
GL		33	1	87	125	.157	.93	.47	98.6	486.7	1.27	46	229	281	102	51
GL		38	1	88	138	.118	.93	.35	143.4	763.3	1.40	51	270	309	112	60
GL		Totals	3	87	131	.597	2.79	1.79	81.1	402.8	3.99	145	722	883	321	159
RA		9	1	73	25	2.106	.93	2.11	5.1	20.0	.30	11	42	65	24	9
RA		11	1	75	82	1.410	.93	1.41	21.1	70.0	.82	30	99	180	66	22
RA		12	1	74	68	1.184	.93	1.18	19.6	60.0	.64	23	71	141	51	16
RA		14	1	75	69	.870	.93	.87	27.6	70.0	.66	24	61	146	53	13
RA		17	3	74	51	1.770	2.79	2.36	24.6	67.5	1.60	58	159	353	128	35
RA		22	1	72	47	.352	.93	.35	63.1	70.0	.61	22	25	135	49	5
RA		26	1	71	42	.252	.93	.25	79.5	60.0	.55	20	15	122	44	3
RA		Totals	9	74	54	7.945	8.37	8.54	22.0	55.3	5.17	188	472	1,143	416	104
HL		8	1	86	52	2.665	.93	2.66	6.0	30.0	.40	16	80	88	35	18
HL		10	1	86	21	1.706	.93	1.71	5.4	20.0	.23	9	34	51	20	8
HL		21	1	87	120	.387	.93	1.16	36.9	166.7	1.07	43	193	237	95	43
HL		Totals	3	86	46	4.757	2.79	5.53	12.3	55.6	1.70	68	307	376	150	68
SNH		19	1	98	95	.472	.93									
SNH		24	1	80	21	.296	.93									
SNH		Totals	2	91	66	.769	1.86									
Totals		246		87	101	143.296	230.26	293.10	30.0	134.4	208.58	8801	39,382	46,095	19,450	8,703

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)											Page 1									
ODF		Project: CHIXCOM											Date	7/18/2008								
													Time	2:09:34PM								
T01N R06W S01 TPC-M										T01N R06W S01 TPC-M												
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
01N	06W	01	CHICKEN	PC-M	221.00	43	246	S	W													
Spp	So	Gr	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent 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							
DL	DO	2S	61	.7	14,663	14,555	3,217			28	72			1	99	40	497	2.55	29.3			
DL	DO	3S	26	.2	6,246	6,236	1,378			67	29	4		2	16	82	38	155	0.95	40.2		
DL	DO	4S	13		2,943	2,943	650			98	2		15	16	17	51	28	46	0.47	64.4		
DL	Totals		60	.5	23,852	23,734	5,245			30	25	45		2	3	7	88	33	177	1.17	133.9	
DT	DO	2S	32	.2	4,312	4,304	951			52	48			2		98	39	373	1.98	11.5		
DT	DO	3S	37	.5	4,894	4,868	1,076			80	18	2		2	2	5	90	38	131	0.80	37.1	
DT	DO	4S	31	.3	4,098	4,084	903			99	1		9	21	18	52	29	45	0.35	90.9		
DT	Totals		34	.4	13,304	13,257	2,930			60	24	16		4	8	8	81	32	95	0.66	139.6	
RA	DO	4S	100		472	472	104			100				13	11	18	58	29	55	0.77	8.5	
RA	Totals		1		472	472	104			100				13	11	18	58	29	55	0.77	8.5	
NL	DO	2S	47	1.8	432	424	94				100					100	40	951	4.55	.4		
NL	DO	3S	25	11.0	248	220	49			22	78					15	85	39	200	1.37	1.1	
NL	DO	4S	28	7.1	265	246	54			35	65		4	9		87	29	109	0.97	2.3		
NL	Totals		2	5.7	944	891	197			15	37	48		1	3	4	92	33	234	1.62	3.8	
HL	DO	2S	45		139	139	31			100						100	40	360	1.82	.4		
HL	DO	3S	15		46	46	10			100						100	40	120	0.83	.4		
HL	DO	4S	40		122	122	27			100			34	66			20	26	0.29	4.8		
HL	Totals		1		307	307	68			55	45			14	26		60	22	56	0.55	5.5	
GL	DO	2S	75		542	542	120			12	88					100	40	719	3.32	.8		
GL	DO	3S	21		154	154	34			42	58					100	40	350	1.76	.4		
GL	DO	4S	4		26	26	6			100				68		32	29	43	0.80	.6		
GL	Totals		2		722	722	159			4	18	79		2		98	36	403	2.23	1.8		
Type Totals					.6	39,602	39,382	8,703			40	24	35		3	5	7	85	32	134	0.92	293.1

Forest Grove District GIS - July 2008
 This product is for informational use and
 may not be suited for legal, engineering,
 or surveying purposes.

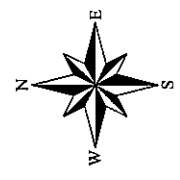


Legend

- ODF Ownership
- CSL Ownership
- Area Boundary
- Timber Sale Boundary
- Non-thinnable Area
- Unposted Stream Buffer
- Posted Stream Buffer
- Posted Green Tree Retention
- Reforestation Area
- Type F Stream
- Type N Stream
- OHV Trail
- Existing Road
- Surfaced Road Improvement
- Surfaced Road Construction
- Cable Landing
- Tractor Landing
- Cable Setting

LOGGING PLAN

of Timber Sale Contract No. 341-09-31
 Chicken Combo
 Portions of Sections 10, 11, 12, 13, 14 & 15
 T01N, R06W, W.M. Tillamook County, Oregon



Scale 1: 12,000
 1 inch = 1,000 feet



APPROXIMATE NET ACREAGE	
Area 1 (MC)	69
Area 2 (PC-M)	159
Area 3 (PC-M)	62
Area 4 (R/W)	7
TOTAL	297