"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
C-Addle
Sale 341-09-15

District: Forest Grove **Date:** July 07, 2008

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,229,095.02	$2,816.52	$1,231,911.54
		Project Work:	$(275,210.00)
		Advertised Value:	$956,701.54

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District: **Forest Grove** **Date:** **July 07, 2008**

timber description

Location: Portions of Sections 25 and 26, T1N, R6W, W.M., Washington County, and portions of Sections 23 and 27, T1N, R6W, W.M., Tillamook County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	98
Western Hemlock / Fir	12	0	98
Noble Fir	15	0	98
Alder (Red)	14	0	98

Volume by Grade	2S	3S	4S	Camprur	Total
Douglas - Fir	1,249	1,922	962	0	4,133
Western Hemlock / Fir	0	197	300	0	497
Noble Fir	456	557	324	0	1,337
Alder (Red)	0	0	0	7	7
Total	1,705	2,676	1,586	7	5,974

"STEWARDSHIP IN FORESTRY"

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District: Forest Grove **Date: July 07, 2008**

comments: Pond Values Used: 2nd Quarter Calender Year 2008.

Western redcedar Stumpage Price = Pond Value minus Logging Cost
$881/MBF = $1,075/MBF - $194/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: 5,974 MBF @ $1/MBF = $5,974
Top 300 Trees in Areas 4 and 5 @ $50/tree = $15,000
TOTAL Other Costs (with Profit & Risk to be added): $20,974

Other Costs (No Profit & Risk added):
Skid Trail and non-project road blocking/ripping: 15 hours at $150/hr = $2,250
Firewood Sorting: 15 hours at $150/hr = $2,250
OHV Trail Clearing: $100/station * 25 Stations = $2,500
Additional blocking of roadsides/trails: 20 hours @ $150/hr = $3,000
TOTAL Other Costs (No Profit & Risk added): $10,000

SLASH
Mechanical Slash Manipulation in Areas 4 and 5: 50 acres @ $150/acre = $7,500

"STEWARDSHIP IN FORESTRY"

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C-Addle
Sale 341-09-15

District: Forest Grove **Date:** July 07, 2008

logging conditions

combination#: 1

	Douglas - Fir	21.12%
	Western Hemlock / Fir	20.93%
	Noble Fir	19.19%
	Alder (Red)	34.29%

yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Cable: Small Tower <=40 **Process**: Stroke Delimber
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 6.0 **bd. ft / load:** 4,100
cost / mbf: $115.21

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

combination#: 2

	Douglas - Fir	19.96%
	Western Hemlock / Fir	19.56%
	Noble Fir	18.02%
	Alder (Red)	25.71%

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: 5.0 **bd. ft / load:** 4,100
cost / mbf: $163.13

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

combination#: 3

	Douglas - Fir	58.92%
	Western Hemlock / Fir	59.52%
	Noble Fir	62.49%
	Alder (Red)	40.00%

yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Wheel Skidder **Process**: Feller Buncher
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 12.0 **bd. ft / load:** 4,100
cost / mbf: $68.17

machines:
Log Loader (B)
Stroke Delimber (B)
Feller Buncher w/ Delimber
Tire Skidder

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
C-Addle
Sale 341-09-15

District: Forest Grove **Date:** July 07, 2008

logging costs

Operating Seasons:	3.00	**Profit Risk:**	15.00%
Project Costs:	$275,210.00	**Other Costs (P/R):**	$20,974.00
Slash Disposal:	$7,500.00	**Other Costs:**	$10,000.00

Miles of Road

Road Maintenance: $0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	0.0	14.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	4.1
Western Hemlock / Fir	$0.00	3.0	4.1
Noble Fir	$0.00	3.0	4.1
Alder (Red)	$0.00	2.0	3.8

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
C-Addle
Sale 341-09-15

District: Forest Grove **Date:** July 07, 2008

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
$97.06	$12.32	$2.20	$50.48	$3.51	$24.84	$1.26	$5.00	$1.67	$198.34
Western Hemlock / Fir									
$96.59	$12.32	$2.20	$50.48	$3.51	$24.76	$1.26	$5.00	$1.67	$197.79
Noble Fir									
$94.31	$12.32	$2.20	$50.48	$3.51	$24.42	$1.26	$5.00	$1.67	$195.17
Alder (Red)									
$108.72	$12.32	$2.20	$81.69	$3.51	$31.27	$1.26	$5.00	$1.67	$247.64

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$441.27	$242.93	$0.00
Western Hemlock / Fir	$0.00	$305.95	$108.16	$0.00
Noble Fir	$0.00	$323.30	$128.13	$0.00
Alder (Red)	$0.00	$650.00	$402.36	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
C-Addle
Sale 341-09-15

District: Forest Grove **Date:** July 07, 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	4,133	$242.93	$1,004,029.69
Western Hemlock / Fir	497	$108.16	$53,755.52
Noble Fir	1,337	$128.13	$171,309.81
Alder (Red)	7	$402.36	$2,816.52

Gross Timber Sale Value

Recovery: $1,231,911.54

Prepared by: J. Sandmann **Phone:** 503-359-7473

PROJECT COST SUMMARY SHEET

Timber Sale: C-Addle

Sale Number: 341-09-15

PROJECT NO. 1:

ROAD CONSTRUCTION AND IMPROVEMENT

CONSTRUCTION

Road Segment	Length	Cost
E to F	8 + 50	$3,252.95
G to H	7 + 40	$3,364.38
I to J	33 + 00	$10,770.10
K to L	11 + 00	$3,118.70
M to N	8 + 80	$2,866.56
O to P	28 + 00	$9,191.60
Q to R	14 + 50	$4,193.15
Q to S	4 + 50	$1,384.15
T to U	15 + 00	$3,790.00
	130 + 70 stations	
	2.48 miles	

SUBTOTAL CONSTRUCTION **$41,931.59**

IMPROVEMENTS

Road Segment	Length	Cost
A to B	87 + 50	$12,797.25
C to D	59 + 00	$13,077.80
	146 + 50 stations	
	2.77 miles	

SUBTOTAL IMPROVEMENTS **$25,875.05**

TOTAL PROJECT NO. 1 COST = **$67,806.64**

PROJECT NO. 2: SURFACING

Road Segment	Amount	Type	Cost
A to B	3,368 cy	3" - 0	$44,855.10
C to D	2,542 cy	3" - 0	$36,960.68
E to F	707 cy	3" - 0	$10,385.83
G to H	574 cy	3" - 0	$7,703.08
I to J	2,418 cy	3" - 0	$33,078.24
K to L	884 cy	3" - 0	$12,031.24
M to N	655 cy	3" - 0	$8,456.05
O to P	1,920 cy	3" - 0	$25,152.00
Q to R	885 cy	3" - 0	$11,443.05
Q to S	377 cy	3" - 0	$4,806.75
Total	14,330 cy	3" - 0	

TOTAL PROJECT NO. 2 COST = **$194,872.02**

PROJECT NO. 3

Grass seed and fertilize areas of disturbed soil.	$1,250.00

TOTAL PROJECT NO. 3 COST = **$1,250.00**

PROJECT NO. 4		
Gate Installation at Point R.	$484.03	
	TOTAL PROJECT NO. 4 COST =	**$484.03**
PROJECT NO. 5		
Recreation Trail Construction	$3,110.00	
	TOTAL PROJECT NO. 5 COST =	**$3,110.00**
SPECIAL PROJECTS - Various closures along Project 1 roads.		**$1,650.00**
MOVE IN		**$6,036.01**
	TOTAL ALL PROJECTS	**$275,208.70**
	TOTAL CREDITS	**$275,210.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **A to B** Improvement : 87 + 50 stations

1.66 miles

PROJECT NO. 1

EXCAVATION

Road Widening & Ditch Construction between stations 67+75 and 87+50	48.50	sta @	$90.00	per sta =	$4,365.00	
Endhaul						
Excavate & Load	500	cy @	$1.40	per cy =	$700.00	
Haul	500	cy @	$3.94	per cy =	$1,970.00	
Compact Waste Area	500	cy @	$0.25	per cy =	$125.00	
Grade, Ditch, and Roll	87.5	sta @	$28.70	per sta =	$2,511.25	
				TOTAL EXCAVATION COSTS=		**$9,671.25**

CULVERTS - MATERIALS & INSTALLATION

Culverts

130	LF of 18"	$2,210.00	34	LF of 24"	$816.00
		$2,210.00			$816.00

Culvert Markers

10 markers $100.00

TOTAL CULVERT COSTS = **$3,126.00**

PROJECT NO. 1 TOTAL COST = $12,797.25

PROJECT NO. 2:

SURFACING

	6	" deep =	35 cy/sta				
A to B	3,063	cy of	3" - 0	@	$13.32	per cy =	$40,792.50
Turnouts (15)	255	cy of	3" - 0	@	$13.32	per cy =	$3,396.60
Junction	50	cy of	3" - 0	@	$13.32	per cy =	$666.00
Total =	3,368	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $44,855.10

SPECIAL PROJECTS

Use local material to block access to the old road grade at station 34+00 for a minimum of 50 feet.	1	hour x	$150.00 / hour	$150.00
Use local material to block access to the Waste Area at station 24+00 (block access to all motor vehicles from all sides)	2	hour x	$150.00 / hour	$300.00

TOTAL SPECIAL PROJECTS $450.00

TOTAL COST = $58,102.35

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **C to D** Improvement : 59 + 00 stations

1.12 miles

PROJECT NO. 1

EXCAVATION

Road Widening & Ditch Construction between stations 32+75 and 59+00	26.25	sta @	$90.00	per sta =	$2,362.50		
Endhaul							
Excavate & Load	700	cy @	$1.40	per cy =	$980.00		
Haul	700	cy @	$2.42	per cy =	$1,694.00		
Compact Waste Area	700	cy @	$0.25	per cy =	$175.00		
Landings	5	ea @	$285.00	per ea =	$1,425.00		
Grade, Ditch, and Roll	59.0	sta @	$28.70	per sta =	$1,693.30		
				TOTAL	EXCAVATION COSTS=		$8,329.80

CULVERTS - MATERIALS & INSTALLATION

Culverts

274 LF of 18" $4,658.00

$4,658.00

Culvert Markers

9 markers $90.00

TOTAL CULVERT COSTS = **$4,748.00**

PROJECT NO. 1 TOTAL COST = $13,077.80

PROJECT NO. 2:

SURFACING	6	" deep =	35 cy/sta				
C to D	2,065	cy of	3" - 0	@	$14.54	per cy =	$30,025.10
Curve Widening	56	cy of	3" - 0	@	$14.54	per cy =	$814.24
Turnouts (8)	136	cy of	3" - 0	@	$14.54	per cy =	$1,977.44
Junction	50	cy of	3" - 0	@	$14.54	per cy =	$727.00
Landings (5)	235	cy of	3" - 0	@	$14.54	per cy =	$3,416.90
Total =	2,542	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $36,960.68

SPECIAL PROJECTS

Use local material to block access to the open area on the right at station 24+20.	1	hour x	$150.00 / hour	$150.00
Use local material to block access to the Waste Area at Point E. (block access to all motor vehicles from all sides)	3	hour x	$150.00 / hour	$450.00

TOTAL SPECIAL PROJECTS **$600.00**

TOTAL COST = $50,638.48

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **E to F** Construction : 8 + 50 stations

0.16 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.80	acres @	$980.00	per acre =	$784.00	
Balanced Road Construction	8.50	sta @	$90.00	per sta =	$765.00	
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	8.50	sta @	$28.70	per sta =	$243.95	
				TOTAL EXCAVATION COSTS=		**$2,212.95**

CULVERTS - MATERIALS & INSTALLATION

Culverts

60 LF of 18" $1,020.00

$1,020.00

Culvert Markers

2 markers $20.00

TOTAL CULVERT COSTS = **$1,040.00**

PROJECT NO. 1 TOTAL COST = $3,252.95

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
E to F	493	cy of	3" - 0	@	$14.69	per cy =	$7,242.17
Turnouts (1)	28	cy of	3" - 0	@	$14.69	per cy =	$411.32
Turnaround (1)	16	cy of	3" - 0	@	$14.69	per cy =	$235.04
Junction	90	cy of	3" - 0	@	$14.69	per cy =	$1,322.10
Landing (1)	80	cy of	3" - 0	@	$14.69	per cy =	$1,175.20
Total =	707	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $10,385.83

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 = $13,718.78

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **G to H** Construction : 7 + 40 stations

0.14 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.70	acres @	$980.00	per acre =	$686.00		
Balanced Road Construction	7.40	sta @	$90.00	per sta =	$666.00		
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	7.40	sta @	$28.70	per sta =	$212.38		
					TOTAL EXCAVATION COSTS=		$1,984.38

CULVERTS - MATERIALS & INSTALLATION

Culverts

80 LF of 18" $1,360.00

$1,360.00

Culvert Markers

2 markers $20.00

TOTAL CULVERT COSTS = $1,380.00

PROJECT NO. 1 TOTAL COST = $3,364.38

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
G to H	430	cy of	3" - 0	@	$13.42	per cy =	$5,770.60
Junction	20	cy of	3" - 0	@	$13.42	per cy =	$268.40
Turnouts (1)	28	cy of	3" - 0	@	$13.42	per cy =	$375.76
Turnaround (1)	16	cy of	3" - 0	@	$13.42	per cy =	$214.72
Landing (1)	80	cy of	3" - 0	@	$13.42	per cy =	$1,073.60
Total =	574	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $7,703.08

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.35	acres @	$200.00	per acre =	$70.00	

PROJECT NO. 3 TOTAL COST = $70.00

SPECIAL PROJECTS

Use local material to block access to the renegade trail at station 6+90 for a minimum of 50 feet.	1	hour x	$150.00 / hour	$150.00

TOTAL SPECIAL PROJECTS $150.00

TOTAL COST = $ 11,287.46

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **I to J** Construction : 33 + 00 stations

0.63 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	3.10	acres @	$980.00	per acre =	$3,038.00		
Balanced Road Construction	33.00	sta @	$90.00	per sta =	$2,970.00		
Construct Turnouts (3)	3	ea @	$60.00	per ea =	$180.00		
Approach to landing	2.00	sta @	$90.00	per sta =	$180.00		
Landing	3	ea @	$285.00	per ea =	$855.00		
Grade, Ditch, and Roll	33.00	sta @	$28.70	per sta =	$947.10		
				TOTAL EXCAVATION COSTS=			$8,170.10

CULVERTS - MATERIALS & INSTALLATION

Culverts

150 LF of 18" $2,550.00

$2,550.00

Culvert Markers

5 markers $50.00

TOTAL CULVERT COSTS = **$2,600.00**

PROJECT NO. 1 TOTAL COST = $10,770.10

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
I to J	1,914	cy of	3" - 0	@	$13.68	per cy =	$26,183.52
Junction	40	cy of	3" - 0	@	$13.68	per cy =	$547.20
Turnouts (3)	84	cy of	3" - 0	@	$13.68	per cy =	$1,149.12
Landing (3)	240	cy of	3" - 0	@	$13.68	per cy =	$3,283.20
Approach to landing	116	cy of	3" - 0	@	$13.68	per cy =	$1,586.88
Curve Widening	24	cy of	3" - 0	@	$13.68	per cy =	$328.32
Total =	2,418	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $33,078.24

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	1.55	acres @	$200.00	per acre =	$310.00	

PROJECT NO. 3 TOTAL COST = $310.00

TOTAL COST = $44,158.34

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **K to L** Construction : 11 + 00 stations

0.21 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.10	acres @	$980.00	per acre =	$1,078.00		
Balanced Road Construction	11.00	sta @	$90.00	per sta =	$990.00		
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00		
Approach to landing	1.00	sta @	$90.00	per sta =	$90.00		
Landing	2	ea @	$285.00	per ea =	$570.00		
Grade, Ditch, and Roll	11.00	sta @	$28.70	per sta =	$315.70		
				TOTAL EXCAVATION COSTS=			$3,118.70

PROJECT NO. 1 TOTAL COST = $3,118.70

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
K to L	638	cy of	3" - 0	@	$13.61	per cy =	$8,683.18
Turnaround (1)	16	cy of	3" - 0	@	$13.61	per cy =	$217.76
Landing (2)	160	cy of	3" - 0	@	$13.61	per cy =	$2,177.60
Approach to landing	70	cy of	3" - 0	@	$13.61	per cy =	$952.70
Total =	884	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $12,031.24

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.55	acres @	$200.00	per acre =	$110.00	

PROJECT NO. 3 TOTAL COST = $110.00

TOTAL COST = $15,259.94

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **M to N** Construction : 8 + 80 stations

0.17 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.90	acres @	$980.00	per acre =	$882.00	
Balanced Road Construction	8.80	sta @	$90.00	per sta =	$792.00	
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	8.80	sta @	$28.70	per sta =	$252.56	
				TOTAL EXCAVATION COSTS=		$2,346.56

CULVERTS - MATERIALS & INSTALLATION

Culverts

30 LF of 18" $510.00

Culvert Markers

1 markers $10.00

TOTAL CULVERT COSTS = **$520.00**

PROJECT NO. 1 TOTAL COST = $2,866.56

PROJECT NO. 2:

SURFACING 10 " deep = 58 cy/sta

M to N	511	cy of	3" - 0	@	$12.91	per cy =	$6,597.01
Junction	20	cy of	3" - 0	@	$12.91	per cy =	$258.20
Turnouts (1)	28	cy of	3" - 0	@	$12.91	per cy =	$361.48
Turnaround (1)	16	cy of	3" - 0	@	$12.91	per cy =	$206.56
Landing (1)	80	cy of	3" - 0	@	$12.91	per cy =	$1,032.80
Total =	655	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $8,456.05

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil. 0.45 acres @ $200.00 per acre = $90.00

PROJECT NO. 3 TOTAL COST = $90.00

TOTAL COST = $11,412.61

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **O to P** Construction : 28 + 00 stations

0.53 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	2.60	acres @	$980.00	per acre =	$2,548.00		
Balanced Road Construction	28.00	sta @	$90.00	per sta =	$2,520.00		
Construct "Y" Junction	2.00	sta @	$90.00	per sta =	$180.00		
Construct Turnouts (3)	3	ea @	$60.00	per ea =	$180.00		
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00		
Landing	1	ea @	$285.00	per ea =	$285.00		
Grade, Ditch, and Roll	28.00	sta @	$28.70	per sta =	$803.60		
				TOTAL EXCAVATION COSTS=			$6,591.60

CULVERTS - MATERIALS & INSTALLATION

Culverts

150 LF of 18" $2,550.00

Culvert Markers

5 markers $50.00

TOTAL CULVERT COSTS = $2,600.00

PROJECT NO. 1 TOTAL COST = $9,191.60

PROJECT NO. 2:

SURFACING								
	10	" deep =	58 cy/sta					
O to P	1,624	cy of	3" - 0	@	$13.10	per cy =	$21,274.40	
Junction	116	cy of	3" - 0	@	$13.10	per cy =	$1,519.60	
Turnouts (3)	84	cy of	3" - 0	@	$13.10	per cy =	$1,100.40	
Turnaround (1)	16	cy of	3" - 0	@	$13.10	per cy =	$209.60	
Landing (1)	80	cy of	3" - 0	@	$13.10	per cy =	$1,048.00	
Total =	1,920	cy of	3" - 0					

PROJECT NO. 2 TOTAL COST = $25,152.00

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	1.30	acres @	$200.00	per acre =	$260.00	

PROJECT NO. 3 TOTAL COST = $260.00

SPECIAL PROJECTS

Use local material to block access to the renegade trail at station 3+30 for a minimum of 50 feet.	1	hour x	$150.00 / hour	$150.00	
			TOTAL SPECIAL PROJECTS		$150.00

TOTAL COST = $34,753.60

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **Q to R** Construction : 14 + 50 stations

0.27 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.40	acres @	$980.00	per acre =	$1,372.00		
Balanced Road Construction	14.50	sta @	$90.00	per sta =	$1,305.00		
Construct Turnouts (1)	1	ea @	$60.00	per ea =	$60.00		
Grade, Ditch, and Roll	14.50	sta @	$28.70	per sta =	$416.15		
				TOTAL EXCAVATION COSTS=			$3,153.15

CULVERTS - MATERIALS & INSTALLATION

Culverts

60 LF of 18" $1,020.00

Culvert Markers

2 markers $20.00

TOTAL CULVERT COSTS = $1,040.00

PROJECT NO. 1 TOTAL COST = $4,193.15

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
Q to R	841	cy of	3" - 0	@	$12.93	per cy =	$10,874.13
Turnouts (1)	28	cy of	3" - 0	@	$12.93	per cy =	$362.04
Turnaround (1) @ Point R	16	cy of	3" - 0	@	$12.93	per cy =	$206.88
Total =	885	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $11,443.05

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.70	acres @	$200.00	per acre =	$140.00	
					PROJECT NO. 3 TOTAL COST =	**$140.00**

SPECIAL PROJECTS

Use local material to block access around the gate at station 14+00.	1	hour x	$150.00	/ hour	$150.00
				TOTAL SPECIAL PROJECTS	**$150.00**

TOTAL COST = $15,926.20

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **Q to S** Construction : 4 + 50 stations

0.09 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	0.50	acres @	$980.00	per acre =	$490.00		
Balanced Road Construction	4.50	sta @	$90.00	per sta =	$405.00		
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00		
Landing	1	ea @	$285.00	per ea =	$285.00		
Grade, Ditch, and Roll	4.50	sta @	$28.70	per sta =	$129.15		
				TOTAL	EXCAVATION COSTS=		$1,384.15

PROJECT NO. 1 TOTAL COST = $1,384.15

PROJECT NO. 2:

SURFACING	10	" deep =	58 cy/sta				
Q to S	261	cy of	3" - 0	@	$12.75	per cy =	$3,327.75
Junction	20	cy of	3" - 0	@	$12.75	per cy =	$255.00
Turnaround (1)	16	cy of	3" - 0	@	$12.75	per cy =	$204.00
Landing (1)	80	cy of	3" - 0	@	$12.75	per cy =	$1,020.00
Total =	377	cy of	3" - 0				

PROJECT NO. 2 TOTAL COST = $4,806.75

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.25	acres @	$200.00	per acre =	$50.00		

PROJECT NO. 3 TOTAL COST = $50.00

TOTAL COST = $6,240.90

SUMMARY OF CONSTRUCTION COST

Timber Sale: **C-Addle** Timber Sale No. : 341-09-15

Road Segment: **T to U** Construction : 15 + 00 stations

0.28 miles

PROJECT NO. 1

EXCAVATION

Clearing and Grubbing (Scatter)	1.40	acres @	$980.00	per acre =	$1,372.00	
Balanced Road Construction	12.00	sta @	$90.00	per sta =	$1,080.00	
Drift	3.00	sta @	$150.00	per sta =	$450.00	
Construct Turnouts (2)	2	ea @	$60.00	per ea =	$120.00	
Construct Turnaround (1)	1	ea @	$75.00	per ea =	$75.00	
Landing	1	ea @	$285.00	per ea =	$285.00	
Grade and Roll (Outslope)	15.00	sta @	$27.20	per sta =	$408.00	
				TOTAL EXCAVATION COSTS=		$3,790.00
				PROJECT NO. 1 TOTAL COST =		**$3,790.00**

PROJECT NO. 3:

Grass seed and fertilize areas of disturbed soil.	0.70	acres @	$200.00	per acre =	$140.00	
				PROJECT NO. 3 TOTAL COST =		**$140.00**

SPECIAL PROJECTS

Use local material to block access to the renegade trail at station 10+70 for a minimum of 50 feet.	1	hour x	$150.00 / hour	$150.00
			TOTAL SPECIAL PROJECTS	**$150.00**

TOTAL COST = $4,080.00

SUMMARY OF CONSTRUCTION COST

Project No. 4 - Gate Installation

Timber Sale: **C-Addle** Location: **Point R**

PROJECT No. 4

Install a gate at Point R according to specifications in Exhibit J. The gate will be provided by the STATE and may be obtained at the Forest Grove District Office.	$484.03

TOTAL COST = $484.03

METAL GATE INSTALLATION

Timber Sale: **C-Addle**
Project No.: **4**
Road: **Q to R**

HAULING COST

Road Speed Time Factors:

50 mph x	15.60	miles per round trip =	18.72 min
40 mph x	3.00	miles per round trip =	4.50 min
25 mph x	0.00	miles per round trip =	0.00 min
20 mph x	0.00	miles per round trip =	0.00 min
15 mph x	9.00	miles per round trip =	36.00 min
5 mph x	0.00	miles per round trip =	0.00 min
Total Distance	27.60	miles Total Haul	59.22 min

HAUL COST = 59.22 x $75.00 hour = **$74.03**

MATERIAL COST

Concrete	3 yrds	x $95.00 per yard =	$285.00
Metal Gate		Supplied by STATE	$0.00

MATERIAL COST = **$285.00**

INSTALLATION COST

Excavator	1 hour	x $125.00 hour =	$125.00

INSTALLATION COST = **$125.00**

HAULING COST =	$74.03/cy
MATERIAL COST =	$285.00/cy
INSTALLATION COST =	$125.00/cy
TOTAL GATE COST =	**$484.03/cy**

SUMMARY OF CONSTRUCTION COST

Project No. 5 - Recreation Trail Construction

Timber Sale: **C-Addie** Location: **T to U**

Improvement: 15+00 stations
0.28 miles

PROJECT No. 5

Grade trail	15.00	sta @	$ 14.00	per sta =	$210.00
Vacate half the width of the road between Points T and U to a width of 48 inches according to specifications in Exhibit K.	10	hrs @	$ 150.00	per hr =	$1,500.00
Construct drainage features (rolling dips, waterbars, and valley drains).	5	hrs @	$ 150.00	per hr =	$750.00
Rock the trail with 200 cy of 4" - 0 recreation rock to a width of 48 inches. The rock may be obtained from the Stockpile located at the junction of 7 Cedars Road and C-line Road.	200	cy @	$2.85/cy	per cy =	$570.00
Grass seed and fertilize areas of disturbed soil.	0.40	acres @	$200.00	per acre =	$80.00

TOTAL COST = $3,110.00

Move-In Calculations

Timber Sale: **C-Addle**
Sale Number: **341-09-15**

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

No.	EQUIPMENT DESCRIPTION	Base Cost	Woods Cost	Pilot Cars	Within Area Move ($/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
1	Drill & Compressor	$276.00	$207.00		$46.00	$0.00	$0.00	$0.00	$0.00	$483.00
0	Brush Cutter	$0.00	$0.00		$4.00	$0.00	$0.00	$0.00	$0.00	$0.00
1	Graders	$300.00	$225.00		$3.65	$0.00	$0.00	$0.00	$0.00	$525.00
0	Loader (Small)	$0.00	$0.00	1	$3.55	$0.00	$0.00	$0.00	$0.00	$0.00
1	Loader (Med. & Large)	$414.39	$304.59	1	$9.00	$0.00	$0.00	$0.00	$0.00	$718.98
1	Rollers (smooth/grid) & Compactors	$308.59	$212.75		$5.00	$0.00	$0.00	$0.00	$0.00	$521.34
0	Excavators (Small)	$40.25	$0.00		$22.00	$0.00	$0.00	$0.00	$0.00	$40.25
0	Excavators (Med.)	$62.10	$0.00		$35.50	$0.00	$0.00	$0.00	$0.00	$62.10
1	Excavators (Large)	$466.14	$348.95	1	$44.80	$0.00	$0.00	$0.00	$0.00	$815.09
0	Tired Backhoes/Skidders	$0.00	$0.00		$3.00	$0.00	$0.00	$0.00	$0.00	$0.00
0	Tractors (D6)	$0.00	$0.00	2	$7.10	$0.00	$0.00	$0.00	$0.00	$0.00
0	Tractors (D7)	$0.00	$0.00	2	$11.30	$0.00	$0.00	$0.00	$0.00	$0.00
1	Tractor (D8)	$473.80	$322.66	2	$15.10	$0.00	$0.00	$0.00	$0.00	$796.46
0	Dump Truck (10 cy +)	$0.00	$0.00		$2.85	$0.00	$0.00	$0.00	$0.00	$0.00
3	Dump Truck (Off Hiway)	$1,066.05	$851.66	1	$4.75	$0.00	$0.00	$0.00	$0.00	$1,917.71
1	Water Truck (1500 Gal)	$95.00	$61.08		$2.85	$0.00	$0.00	$0.00	$0.00	$156.08
0	Water Truck (2500 Gal)	$0.00	$0.00		$2.85	$0.00	$0.00	$0.00	$0.00	$0.00
							TOTAL MOVE-IN COSTS:			$6,036.01

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Timber Sale: C-Addle

Sale Number: 341-09-15

Pit Name: 7 Cedars Pit

Swell:	1.30	3"-0 (trk measure)	14,330 cy
Shrinkage:	1.16	Total Truck Yardage:	14,330 cy
Drill Pct.:	100%	Total In Place Yardage:	11,023 cy

Scalp & Clear Overburden:	$150.00	/hr	x	15 hr	=	$2,250.00
Drill & Shoot (Lifters):	$4.60	/cy	x	2,756 cy	=	$12,676.10
Drill & Shoot (Down holes):	$2.50	/cy	x	8,267 cy	=	$20,667.55
Push Rock:	$0.70	/cy	x	14,330 cy	=	$10,030.65
Oversize Reduction:	$4.50	/cy	x	1,102 cy	=	$4,960.21
Load Crusher:	$0.70	/cy	x	14,330 cy	=	$10,030.65
Crushing (3" - 0):	$2.60	/cy	x	14,330 cy	=	$37,256.70
Load Dump Truck:	$0.70	/cy	x	14,330 cy	=	$10,030.65
					Subtotal	$107,902.51

Move in Crusher (Stage 2)						$1,916.40
Set up Crusher						$1,837.70
Move in and set up Drill and Compressor						$290.00
Move in Excavator						$750.00
Move in D-8						$750.00
Move in Loader						$570.00
Clean Up Pit						$300.00
Gradation Tests ($65/2000 cy)	$65.00	cy/2000cy	x	8 tests		$520.00
					Subtotal	$6,934.10

PIT DEVELOPMENT COST $8.02/cy **TOTAL PRODUCTION COST** $114,836.61

Gregory k. Miller - 01/30/2008

TIMBER SALE SUMMARY
C-Addle
341-09-15

1. **Type of Sale:** Modified Clearcut, Moderate Partial Cut, Group Selection, recovery, sealed bid auction

2. **Revenue Distribution:** 100% BOF, 86% of the sale is in Washington County. 14% of the sale is in Tillamook County (Tax Code 9-2), with 4% Rehab Obligation.

3. **Sale Acreage: :** Area 1 is 109 acres, Area 2 is 19 acres, Area 3 is 132 acres, Area 4 is 109 acres, and Area 5 is 41 acres, all determined using ArcGIS. Area 6 R/W is 4 acres of the timber sale area (determined using ArcGIS).

4. **Volume:**

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	MBF	1,249	1,922	962		4,133
	%MBF	30	47	23		
Noble Fir	MBF	456	557	324		1,337
	%MBF	34	42	24		
Hemlock	MBF	0	197	300		497
	%MBF	0	40	60		
Red Alder	MBF				7	7
	%MBF				100	
Total						**5,974**

5. **Cruise Data**: The area was variable plot cruised for the Stand Level Inventory (SLI) by IRM contract cruisers. Portions of nine different stands make up the sale. The stands were cruised using a variety of basal area factors. Take trees and saw grades were assigned based on the height, diameter and damage measurements provided by the SLI cruise. Data from plots within each area was combined using the Superace 2004 program.

ODF right of way is 4 acres estimated using ArcGIS. The volume was obtained using take and leave tree information derived from Superace 2004.

Cruise statistics for Areas 1, and 3 take trees are CV 91.9% and SE 14.7% and leave trees are CV 19.1%, SE 3.0. Cruise statistics for Area 2 are CV 31.5%, SE 7.6. Cruise statistics for Areas 4 and 5 are CV 40.3% and SE 6.4.

6. **Timber Description:** Variable 35-60 year old Douglas-fir, noble fir and hemlock. The average take DBH is 12 inches in the partial cuts and 17 inches in the clearcut. Take volume per acre in the clearcut averages 21.9 MBF per acre for Douglas-fir, and 8.7 MBF per acre of other conifers. Take volume per acre in the thinning averages 5.6 MBF per acre for Douglas-fir and 2.6 MBF per acre other conifers.

7. **Topography and Logging Method:** Area 1 is 10% ground based yarding systems and 90% cable. Area 2 is 100% ground based yarding. Area 3 is 30% ground based yarding systems and 70% cable. Area 4 is 60% ground based yarding systems and 40% cable. Area 5 is 20% ground based and 80% cable yarding. Slopes range from 0% to 80%.

8. **Access:** Access is from the Wilson River Hwy to Beaver Dam Road to C Line Road to 7 Cedars Road.

9. **Projects:**

Project No. 1 consists of constructing 2.48 miles of road costing $41,931.59 and improving 2.77 miles of road costing $25,875.05 for sale access.
Project No.2 consists of surfacing with 14,330 cubic yards of 3"-0" rock on Projects No. 1 roads at a cost of $194,872.02.
Project No. 3 consists of grass seeding and fertilizing at a cost of $1,250.00
Project No. 4 consists of installation of a metal gate at Point "R" at a cost of $484.03.
Project No. 5 consists of recreation trail construction at a cost of $3,110.00
Special Projects consist of various closures along Project No. 1 roads costing $1,650.

Move in cost is $6,036.01.
Total credit for all projects is $275,210.00.

CRUISE REPORT
C-Addle
341-09-15

1. Acreage Calculation: Area 1 is 109 acres, Area 2 is 19 acres, Area 3 is 132 acres, Area 4 is 109 acres, and Area 5 is 41 acres, all determined using ArcGIS. Area 6 R/W is 4 acres of the timber sale area (determined using ArcGIS). Ten acres of existing road, 27acres of non-thinnable area, 3 acres of stream buffer, 10 acres of green tree retention within the sale, and 57 acres of Area 2 were removed from the 521 gross acre measurement.

2. Cruise Method: The timber sale area was variable plot cruised using a 20, 33.6, and 40 BAF and full plots by SLI. Take trees and saw grades were assigned based on the height, diameter, and damage measurements provided by the SLI cruise. Data from plots within each area were combined using the Superace 2004 program.

3. Sampling Intensity:

Area 1, and 3	Estimated	Actual
CV	85%	90%
SE	13%	14.7%
No. of Plots	43	39

Area 2	Estimated	Actual
CV	50%	31.5%
SE	15%	7.6%
No. of Plots	11	18

Area 4,5	Estimated	Actual
CV	45%	40.3%
SE	12%	6.4%
No. of Plots	14	40

4. Form Factors: Form factors were assigned based on adjacent cruise data, and reconnaissance of the timber sale area.
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 calculated in SuperAce 2004 to 6 inches and 7 inches, respectively, or 25% of DBH inside bark.
9. Computation Procedures: Volumes were computed using the Super Ace program.
10. Deductions: Two percent of the conifer and the hardwood volume was subtracted from the computed volumes to account for hidden defect and breakage.
11. Cruisers: The sale was cruised by SLI in 2004 and 2006. Office calculations were prepared by J. Sandmann in August 2007.

12. Signatures: Preparer: J. Sandmann 1/30/2008 Date

Unit Forester: Erik Marcy 1/31/08 Date

Residual Stand Specifications
C-Addle
341- 09-15
Partial Cut

AREAS 1, and 3

Residual QMD assumption (from cruise leave tree information) - 17 inches.
Target Relative Density - 29

	Minimum	Target	Maximum
Relative Density	27	29	32
Basal Area	110	120	130
Trees per Acre	70	76	82

$RD = BA/\sqrt{DBH}$
$BA = \sqrt{DBH}\ (RD)$
$BA/tree = (\pi r^2)/(144)$
$TPA = (BA/acre)/(BA/tree)$

C-Addle
341-09-15
Volume Summary
November 2007

Area 1 and 3: Moderate Partial Cut

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Take Trees	26	280	184		490
	Less 2% Defect	25	274	180		480
	Right of Way	3	8	5		16
	Total					**496**
Noble Fir	Take Trees	38	85	38		161
	Less 2% Defect	37	82	37		157
	Right of Way	2	3	2		8
	Total					**165**
Hemlock	Take Trees	0	23	46		69
	Less 2% Defect	0	22	45		67
	Right of Way		1	1		2
	Total					**69**
Red Alder*					6	6
	Right of Way				1	1
	Total					**1***

Area 2: Group Selection

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Take Trees	40	127	70		237
	Less 2% Defect	39	124	69		**232**
Noble Fir	Take Trees	69	93	46		208
	Less 2% Defect	67	91	45		**203**
Hemlock	Take Trees	0	25	20		45
	Less 2% Defect	0	24	19		**43**

Area 4 and 5: Modified Clearcut

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	SPECIES TOTAL
Douglas-fir	Take Trees	1206	1547	722		3475
	Less 2% Defect	1182	1516	707		**3405**
Noble Fir	Take Trees	357	387	245		989
	Less 2% Defect	350	379	240		**969**
Hemlock	Take Trees	0	152	240		392
	Less 2% Defect	0	149	236		**385**
Cedar**					**9****	**9****
Red Alder					**6**	**6**

* Red alder is reserved from harvest in Areas 1 and 3 (with the exception of right-of-way) and will not appear elsewhere in sale volume calculations.

** Western redcedar is reserved from harvest in the timber sale area, and is not reflected in sale volume calculations.

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT CADDLE

DATE 1/29/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	06	26	C-ADDLE	A13C	241.00	39	264	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	39	264	6.8		
CRUISE	39	264	6.8	34,771	.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	94	43.3	17.8	97		74.8	10,402	10,402	2,601	2,601
DF TAKE	57	46.9	13.4	82		46.2	5,566	5,566	1,352	1,352
NF LEAVE	72	23.8	18.3	97		43.3	6,212	6,212	1,535	1,535
NF TAKE	23	13.2	14.2	83		14.6	1,826	1,826	444	444
WH TAKE	9	9.4	12.3	66		7.7	788	788	194	194
WH LEAVE	8	7.0	13.9	79		7.4	945	945	226	226
R ALDER	1	.8	14.0	64		.9	64	64	19	19
TOTAL	*264*	*144.3*	*15.7*	*88*		*194.8*	*25,802*	*25,802*	*6,371*	*6,371*

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	76.6	12.2	38	43	49			
DF TAKE	120.1	19.2	38	47	56			
NF LEAVE	99.6	15.9	20	24	28			
NF TAKE	275.5	44.1	7	13	19			
WH TAKE	271.3	43.4	5	9	13			
WH LEAVE	241.1	38.6	4	7	10			
R ALDER	624.5	99.9	0	1	2			
TOTAL	*49.1*	*7.9*	*133*	*144*	*156*	*96*	*24*	*11*

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	52.2	8.3	69	75	81			
DF TAKE	116.2	18.6	38	46	55			
NF LEAVE	94.0	15.0	37	43	50			
NF TAKE	241.1	38.6	9	15	20			
WH TAKE	264.2	42.3	4	8	11			
WH LEAVE	203.6	32.6	5	7	10			
R ALDER	624.5	99.9	0	1	2			
TOTAL	*33.0*	*5.3*	*185*	*195*	*205*	*44*	*11*	*5*

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	56.6	9.1	9,459	10,402	11,344			
DF TAKE	121.1	19.4	4,488	5,566	6,645			
NF LEAVE	98.6	15.8	5,232	6,212	7,192			
NF TAKE	224.1	35.8	1,171	1,826	2,480			
WH TAKE	261.6	41.9	458	788	1,117			
WH LEAVE	206.0	33.0	633	945	1,256			
R ALDER	624.5	99.9	0	64	129			
TOTAL	*34.8*	*5.6*	*24,364*	*25,802*	*27,241*	*48*	*12*	*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

PROJECT STATISTICS
PROJECT CADDLE

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	06	26	C-ADDLE	A13C	241.00	39	264	S	W

DF LEAVE	53.9	8.6	2,377	2,601	2,826			
DF TAKE	121.0	19.4	1,090	1,352	1,613			
NF LEAVE	97.1	15.5	1,296	1,535	1,773			
NF TAKE	224.1	35.9	285	444	604			
WH TAKE	262.2	41.9	113	194	275			
WH LEAVE	205.9	32.9	152	226	301			
R ALDER	624.5	99.9	0	19	38			
TOTAL	*33.9*	*5.4*	*6,026*	*6,371*	*6,717*	*46*	*11*	*5*

T TSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Type)

Project: CADDLE

Page 1
Date 1/29/2008
Time 12:41:11PM

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	06W	26	C-ADDLE	A13C	241.00	39	264	S	W

T01N R06W S26 TA13C

Spp	ST	So	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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		DO	2S	48		5,087	5,087	1,226			89	11			7	93	40	270	1.59	18.8
DL		DO	3S	41		4,205	4,205	1,013	0	93	6		0	1	15	83	37	102	0.73	41.2
DL		DO	4S	11		1,109	1,109	267		100			19	22	30	29	25	36	0.39	31.1
DL	**Totals**			40		10,402	10,402	2,507	0	48	46	5	2	3	13	82	33	114	0.85	91.1
DT		DO	2S	5		294	294	71			76	24				100	40	240	1.40	1.2
DT		DO	3S	57		3,186	3,186	768	1	91	8		1	3	3	93	37	114	0.76	27.9
DT		DO	4S	38		2,087	2,087	503		100			15	17	49	19	26	40	0.36	52.5
DT	**Totals**			22		5,566	5,566	1,341	0	90	9	1	6	8	20	66	30	68	0.55	81.6
NL		DO	2S	48		2,988	2,988	720			95	5			3	97	40	256	1.46	11.7
NL		DO	3S	41		2,592	2,592	625	0	84	15		2	4	9	85	36	112	0.81	23.2
NL		DO	4S	11		631	631	152		100			16	22	36	25	27	38	0.42	16.4
NL	**Totals**			24		6,212	6,212	1,497	0	45	52	2	3	4	9	85	34	121	0.88	51.3
NT		DO	2S	23		430	430	104			84	16				100	40	267	1.50	1.6
NT		DO	3S	53		968	968	233		94	6				12	88	38	99	0.67	9.7
NT		DO	4S	24		428	428	103		100			34	29	37		21	31	0.34	13.8
NT	**Totals**			7		1,826	1,826	440		73	23	4	8	7	15	70	29	73	0.61	25.1
HT		DO	3S	33		265	265	64		100					39	61	37	115	0.70	2.3
HT		DO	4S	67		523	523	126		100			16	13	18	52	30	48	0.42	10.8
HT	**Totals**			3		788	788	190		100			11	9	25	55	31	60	0.48	13.1
HL		DO	2S	12		121	121	29				100				100	40	600	3.12	.2
HL		DO	3S	54		504	504	121		71	29			8	62	30	33	128	0.92	3.9
HL		DO	4S	34		320	320	77		100				60	40		26	39	0.38	8.1
HL	**Totals**			4		945	945	228		72	15	13		25	46	29	28	77	0.65	12.3
RA		DO	4S	100		64	64	16		100			63	37			21	40	0.56	1.6
RA	**Totals**			0		64	64	16		100			63	37			21	40	0.56	1.6
Type Totals						25,803	25,803	6,218	0	61	35	4	4	6	15	75	32	93	0.73	276.1

TC TLOGSTVB

ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA13C

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

Date 1/29/2008

Time 12:42:13PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DL		DO	2S	32	24		24	.9							24					
DL		DO	2S	35	57		57	2.3								57				
DL		DO	2S	40	1,146		1,146	45.7						671	295	180				
DL		DO	3S	12	2		2	.1		2										
DL		DO	3S	22	9		9	.3						9						
DL		DO	3S	26	3		3	.1				3								
DL		DO	3S	32	120		120	4.8			49	39	32							
DL		DO	3S	33	4		4	.2			4									
DL		DO	3S	34	28		28	1.1			28									
DL		DO	3S	35	3		3	.1			3									
DL		DO	3S	37	23		23	.9			23									
DL		DO	3S	38	12		12	.5			12									
DL		DO	3S	39	7		7	.3			7									
DL		DO	3S	40	782		782	31.2			123	158	445	56						
DL		DO	3S	41	20		20	.8			20									
DL		DO	4S	12	10		10	.4			10									
DL		DO	4S	13	6		6	.3			6									
DL		DO	4S	14	4		4	.1			4									
DL		DO	4S	15	10		10	.4			10									
DL		DO	4S	16	1		1	.0			1									
DL		DO	4S	17	5		5	.2			5									
DL		DO	4S	18	5		5	.2			5									
DL		DO	4S	19	9		9	.4			9									
DL		DO	4S	21	13		13	.5			13									
DL		DO	4S	22	2		2	.1			2									
DL		DO	4S	23	3		3	.1			3									
DL		DO	4S	24	2		2	.1			2									
DL		DO	4S	25	11		11	.4			11									
DL		DO	4S	28	7		7	.3			7									
DL		DO	4S	29	12		12	.5			12									
DL		DO	4S	30	11		11	.4			11									
DL		DO	4S	31	20		20	.8			20									
DL		DO	4S	32	49		49	2.0			38	11								
DL		DO	4S	34	7		7	.3			7									
DL		DO	4S	35	3		3	.1			3									
DL		DO	4S	38	34		34	1.4			34									
DL		DO	4S	40	43		43	1.7			22	21								
DL		Totals			2,507		2,507	40.3		2	505	231	477	735	319	236				
DT		DO	2S	40	71		71	5.3						54		17				
DT		DO	3S	12	1		1	.1		1										
DT		DO	3S	14	5		5	.4		5										
DT		DO	3S	24	4		4	.3						4						
DT		DO	3S	26	19		19	1.5					19							
DT		DO	3S	32	23		23	1.7			7	16								
DT		DO	3S	36	8		8	.6			8									
DT		DO	3S	40	706		706	52.7			79	200	372	56						
DT		DO	4S	12	14		14	1.1			14									
DT		DO	4S	14	14		14	1.1			14									
DT		DO	4S	15	12		12	.9			12									
DT		DO	4S	16	10		10	.8			10									

TC TLOGSTVB
ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA13C

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

Date 1/29/2008
Time 12:42:13PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DT		DO	4S	17	7		7	.5			7									
DT		DO	4S	19	5		5	.3			5									
DT		DO	4S	20	16		16	1.2				16								
DT		DO	4S	21	19		19	1.4			19									
DT		DO	4S	22	22		22	1.6			22									
DT		DO	4S	23	12		12	.9			12									
DT		DO	4S	24	4		4	.3			4									
DT		DO	4S	26	3		3	.2			3									
DT		DO	4S	28	17		17	1.2			17									
DT		DO	4S	29	7		7	.5			7									
DT		DO	4S	32	158		158	11.8			97	38	24							
DT		DO	4S	33	19		19	1.4			19									
DT		DO	4S	34	42		42	3.2			42									
DT		DO	4S	35	27		27	2.0			27									
DT		DO	4S	38	5		5	.4			5									
DT		DO	4S	40	90		90	6.7			90									
DT		Totals			1,341		1,341	21.6		6	520	269	416	114		17				
NL		DO	2S	32	22		22	1.5							22					
NL		DO	2S	40	698		698	46.6						461	112	125				
NL		DO	3S	11	2		2	.1		2										
NL		DO	3S	12	1		1	.1		1										
NL		DO	3S	20	11		11	.7					4	7						
NL		DO	3S	22	6		6	.4			2		4							
NL		DO	3S	26	19		19	1.3				19								
NL		DO	3S	32	55		55	3.7				18	15	22						
NL		DO	3S	36	35		35	2.3			35									
NL		DO	3S	37	8		8	.6			8									
NL		DO	3S	38	9		9	.6			9									
NL		DO	3S	39	21		21	1.4			21									
NL		DO	3S	40	457		457	30.6			26	90	275	66						
NL		DO	4S	12	1		1	.0			1									
NL		DO	4S	14	7		7	.5			7									
NL		DO	4S	15	2		2	.1			2									
NL		DO	4S	17	2		2	.1			2									
NL		DO	4S	18	5		5	.3			5									
NL		DO	4S	20	8		8	.6			8									
NL		DO	4S	21	3		3	.2			3									
NL		DO	4S	23	3		3	.2			3									
NL		DO	4S	24	5		5	.4			5									
NL		DO	4S	25	3		3	.2			3									
NL		DO	4S	29	15		15	1.0			15									
NL		DO	4S	30	3		3	.2			3									
NL		DO	4S	31	19		19	1.2			19									
NL		DO	4S	32	13		13	.9			13									
NL		DO	4S	33	16		16	1.0			16									
NL		DO	4S	34	8		8	.5			8									
NL		DO	4S	36	13		13	.9			13									
NL		DO	4S	38	7		7	.5			7									
NL		DO	4S	39	5		5	.3			5									
NL		DO	4S	40	14		14	.9				14								

TC TLOGSTVB
ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA13C

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

Date 1/29/2008
Time 12:42:13PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
NL		Totals			1,497		1,497	24.1		3	240	141	298	556	134	125				
NT		DO	2S	40	104		104	23.5						55	32	17				
NT		DO	3S	32	28		28	6.4			19	4	5							
NT		DO	3S	36	4		4	1.0			4									
NT		DO	3S	37	4		4	1.0			4									
NT		DO	3S	39	7		7	1.5			7									
NT		DO	3S	40	190		190	43.2			3	128	45	14						
NT		DO	4S	14	8		8	1.8			8									
NT		DO	4S	15	20		20	4.6			20									
NT		DO	4S	16	1		1	.2			1									
NT		DO	4S	18	6		6	1.4			6									
NT		DO	4S	21	13		13	3.0				13								
NT		DO	4S	22	8		8	1.8			8									
NT		DO	4S	24	3		3	.7			3									
NT		DO	4S	25	3		3	.7			3									
NT		DO	4S	27	3		3	.7			3									
NT		DO	4S	31	4		4	.9			4									
NT		DO	4S	32	11		11	2.6			11									
NT		DO	4S	33	23		23	5.1			23									
NT		Totals			440		440	7.1			127	145	50	69	32	17				
HT		DO	3S	32	25		25	13.1					25							
HT		DO	3S	40	39		39	20.6			11	12	16							
HT		DO	4S	13	5		5	2.4			5									
HT		DO	4S	14	3		3	1.4			3									
HT		DO	4S	20	13		13	7.1				13								
HT		DO	4S	22	8		8	4.2			8									
HT		DO	4S	24	5		5	2.8			5									
HT		DO	4S	29	4		4	1.9			4									
HT		DO	4S	34	23		23	11.9			23									
HT		DO	4S	39	45		45	23.7			45									
HT		DO	4S	40	21		21	11.0				21								
HT		Totals			190		190	3.1			103	46	41							
HL		DO	2S	40	29		29	12.8								29				
HL		DO	3S	24	8		8	3.6							8					
HL		DO	3S	25	1		1	.6			1									
HL		DO	3S	32	75		75	32.9				24	24	27						
HL		DO	3S	40	37		37	16.2					37							
HL		DO	4S	21	16		16	6.9				16								
HL		DO	4S	22	17		17	7.7			17									
HL		DO	4S	23	5		5	2.1			5									
HL		DO	4S	24	6		6	2.7			6									
HL		DO	4S	28	3		3	1.2			3									
HL		DO	4S	32	23		23	10.3			23									
HL		DO	4S	35	7		7	3.1			7									
HL		Totals			228		228	3.7			63	40	61	27	8	29				
RA		DO	4S	20	10		10	62.5				10								
RA		DO	4S	22	6		6	37.5			6									

TC TLOGSTVB

ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA13C

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

Date 1/29/2008

Time 12:42:13PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		Totals			16		16	.2			6	10								
Total All Species					6,218		6,218	100.0		12	1564	882	1343	1502	493	424				

TC TSTNDSUM

ODF

Stand Table Summary

Project CADDLE

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

T01N R06W S26 TA13C

Date: 01/29/20(

Time: 12:41:13PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DL		11	2	88	95	2.611	1.72	5.22	9.3	42.5	1.14	48	222	275	117	53
DL		12	3	88	85	3.056	2.40	6.11	10.7	41.1	1.53	65	251	369	157	60
DL		13	2	88	101	1.669	1.54	3.34	14.8	61.7	1.16	50	206	281	119	50
DL		14	3	88	81	2.399	2.56	3.84	18.2	68.7	1.64	70	264	395	168	64
DL		15	9	87	92	5.315	6.52	10.63	19.5	79.4	4.88	208	844	1,176	500	203
DL		16	5	89	106	2.703	3.77	6.14	22.1	94.0	3.19	136	577	769	327	139
DL		17	10	88	108	4.021	6.34	8.59	27.0	113.6	5.45	232	976	1,313	559	235
DL		18	8	88	96	3.006	5.31	6.01	30.7	119.3	4.33	184	717	1,044	444	173
DL		19	13	88	100	5.669	11.12	12.38	31.7	121.1	9.22	392	1,499	2,223	946	361
DL		20	11	88	102	3.921	8.55	8.55	36.6	140.9	7.35	313	1,204	1,772	754	290
DL		21	11	88	92	3.854	9.23	7.71	40.4	147.8	7.31	311	1,139	1,763	750	275
DL		23	7	88	97	2.133	6.15	4.44	49.6	197.6	5.18	221	878	1,249	531	212
DL		24	6	87	103	1.743	5.48	4.90	41.5	177.7	4.78	203	871	1,152	490	210
DL		25	2	89	112	.602	2.05	1.81	46.4	213.3	1.97	84	385	474	202	93
DL		26	2	88	113	.567	2.05	1.42	59.5	257.9	1.99	85	367	480	204	89
DL		Totals	94	88	97	43.271	74.81	91.10	28.6	114.2	61.13	2,601	10,402	14,733	6,269	2,507
NL		14	2	89	92	.959	1.03	1.92	17.1	75.0	.82	33	144	198	79	35
NL		15	5	89	90	2.507	3.08	5.01	19.5	79.2	2.45	98	397	590	236	96
NL		16	6	88	92	2.938	4.10	5.88	22.6	91.2	3.32	133	536	799	320	129
NL		17	10	89	99	3.253	5.13	6.51	27.8	115.0	4.51	181	748	1,088	435	180
NL		18	13	88	96	4.748	8.39	9.50	30.8	120.8	7.31	292	1,147	1,761	704	277
NL		19	12	89	102	3.386	6.67	8.33	29.9	119.4	6.22	249	995	1,500	600	240
NL		20	13	88	97	3.611	7.88	7.46	37.6	143.5	7.02	281	1,070	1,691	676	258
NL		21	2	89	104	.426	1.03	1.28	30.3	125.0	.97	39	160	234	94	39
NL		22	3	89	111	.583	1.54	1.75	35.1	160.0	1.53	61	280	370	148	67
NL		23	1	87	107	.178	.51	.71	27.1	120.0	.48	19	85	116	46	21
NL		24	4	89	103	.938	2.91	2.48	44.6	192.5	2.76	111	477	666	267	115
NL		28	1	90	105	.240	1.03	.48	80.7	360.0	.97	39	173	233	93	42
NL		Totals	72	89	97	23.768	43.28	51.30	29.9	121.1	38.37	1,535	6,212	9,247	3,699	1,497
DT		9	1	87	60	1.950	.86	1.95	7.6	30.0	.35	15	59	84	36	14
DT		10	7	87	71	11.960	6.52	11.96	11.4	53.1	3.19	136	636	769	327	153
DT		11	4	88	85	4.942	3.26	9.88	8.6	38.9	1.99	85	385	481	205	93
DT		12	2	88	73	1.959	1.54	3.92	9.6	40.0	.88	37	157	212	90	38
DT		13	7	88	77	6.142	5.66	12.28	11.8	45.3	3.42	146	556	824	351	134
DT		14	6	87	85	3.684	3.94	7.37	15.9	65.4	2.76	117	482	664	283	116
DT		15	6	88	87	3.761	4.62	7.52	18.9	79.4	3.34	142	598	806	343	144
DT		16	9	88	93	4.657	6.50	10.78	19.5	79.1	4.94	210	853	1,190	507	206
DT		17	7	88	94	4.269	6.67	8.54	26.1	104.5	5.23	223	892	1,261	536	215
DT		18	5	88	101	2.902	5.13	5.80	31.5	124.0	4.30	183	720	1,037	441	173
DT		19	1	87	103	.260	.51	.52	35.3	130.0	.43	18	68	104	44	16
DT		20	1	87	103	.235	.51	.47	40.1	150.0	.44	19	71	107	45	17
DT		25	1	88	108	.150	.51	.60	33.7	152.5	.48	20	92	115	49	22
DT		Totals	57	88	82	46.873	46.24	81.61	16.6	68.2	31.76	1,352	5,566	7,654	3,257	1,341
NT		10	1	89	60	1.580	.86	1.58	10.5	50.0	.42	17	79	100	40	19
NT		11	2	89	83	2.083	1.37	4.17	8.2	40.0	.86	34	167	207	83	40
NT		12	1	88	69	1.097	.86	2.19	9.3	40.0	.51	20	88	123	49	21
NT		13	3	89	86	2.047	1.89	4.09	13.6	55.0	1.39	55	225	334	134	54
NT		15	8	88	84	4.480	5.50	8.96	18.3	71.8	4.09	164	644	986	394	155
NT		18	3	90	99	.871	1.54	1.74	32.3	128.3	1.41	56	223	339	135	54
NT		20	2	87	101	.470	1.03	.94	39.8	150.0	.94	37	141	226	90	34

TC TSTNDSUM

ODF

Stand Table Summary

Project CADDLE

T01N R06W S26 TA13C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A13C	241.00	39	264

T01N R06W S26 TA13C

Date: 01/29/20

Time: 12:41:13PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
NT		21	1	87	102	.213	.51	.43	45.2	175.0	.48	19	75	116	46	18
NT		22	1	88	111	.194	.51	.58	34.8	156.7	.51	20	91	122	49	22
NT		25	1	88	110	.150	.51	.45	45.9	206.7	.52	21	93	125	50	22
NT		Totals	23	89	83	13.185	14.58	25.13	17.7	72.6	11.11	444	1,826	2,678	1,071	440
HL		9	1	87	81	1.950	.86	1.95	10.2	50.0	.50	20	98	120	48	23
HL		12	1	88	66	1.306	1.03	2.61	9.3	40.0	.61	24	104	146	58	25
HL		13	1	88	80	1.113	1.03	2.23	13.3	60.0	.74	30	134	179	71	32
HL		15	1	87	77	.836	1.03	1.67	17.4	75.0	.73	29	125	175	70	30
HL		16	1	88	91	.367	.51	.73	24.6	90.0	.45	18	66	109	44	16
HL		17	1	87	82	.651	1.03	1.30	25.5	90.0	.83	33	117	200	80	28
HL		18	1	87	86	.580	1.03	1.16	31.3	120.0	.91	36	139	219	88	34
HL		28	1	87	105	.201	.86	.60	59.1	266.7	.89	36	161	215	86	39
HL		Totals	8	87	79	7.004	7.36	12.26	18.4	77.0	5.65	226	945	1,362	545	228
HT		10	1	89	57	1.880	1.03	1.88	10.8	50.0	.51	20	94	123	49	23
HT		11	2	88	62	3.108	2.05	3.11	14.5	60.0	1.12	45	186	271	108	45
HT		12	1	89	75	.653	.51	.65	18.5	70.0	.30	12	46	73	29	11
HT		13	2	86	68	1.669	1.54	3.34	11.3	45.0	.94	38	150	227	91	36
HT		14	1	87	75	.959	1.03	1.92	16.0	55.0	.77	31	106	184	74	25
HT		16	2	89	80	1.102	1.54	2.20	21.8	93.3	1.20	48	206	290	116	50
HT		Totals	9	88	66	9.372	7.69	13.10	14.8	60.1	4.85	194	788	1,169	467	190
RA		14	1	75	64	.806	.86	1.61	11.9	40.0	.53	19	64	127	46	16
RA		Totals	1	75	64	.806	.86	1.61	11.9	40.0	0.53	19	64	127	46	16
Totals			264	88	88	144.278	194.83	276.11	23.1	93.5	153.40	6371	25,803	36,970	15,355	6,218

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT CADDLE

DATE 1/29/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	06	26	C-ADDLE	A2	76.00	18	112	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	18	112	6.2		
CRUISE	18	112	6.2	14,593	.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
DOUG FIR	53	91.0	14.5	82		104.6	12,242	12,242	3,095	3,095
NOB FIR	49	76.1	15.0	80		93.2	10,817	10,817	2,769	2,769
WHEMLOCK	10	24.9	11.8	77		19.0	2,337	2,337	565	565
TOTAL	*112*	*192.0*	*14.4*	*80*		*216.9*	*25,396*	*25,396*	*6,429*	*6,429*

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
DOUG FIR	65.0	15.7	77	91	105			
NOB FIR	97.1	23.5	58	76	94			
WHEMLOCK	160.5	38.9	15	25	35			
TOTAL	*43.6*	*10.6*	*172*	*192*	*212*	*80*	*20*	*9*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	51.2	12.4	92	105	118			
NOB FIR	76.7	18.6	76	93	111			
WHEMLOCK	152.4	36.9	12	19	26			
TOTAL	*29.2*	*7.1*	*202*	*217*	*232*	*36*	*9*	*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
DOUG FIR	50.5	12.2	10,744	12,242	13,740			
NOB FIR	74.4	18.0	8,867	10,817	12,767			
WHEMLOCK	157.4	38.1	1,446	2,337	3,229			
TOTAL	*31.5*	*7.6*	*23,456*	*25,396*	*27,336*	*42*	*11*	*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
DOUG FIR	50.0	12.1	2,720	3,095	3,471			
NOB FIR	74.5	18.1	2,269	2,769	3,270			
WHEMLOCK	164.3	39.8	340	565	789			
TOTAL	*31.8*	*7.7*	*5,934*	*6,429*	*6,925*	*43*	*11*	*5*

T TSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Type)

Project: CADDLE

Date 1/29/2008
Time 12:43:28PM

T01N R06W S26 TA2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	06W	26	C-ADDLE	A2	76.00	18	112	S	W

T01N R06W S26 TA2

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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
D		DO	2S	17		2,152	2,152	164			100					100	40	245	1.50	8.8
D		DO	3S	54		6,622	6,622	503		97	3				9	91	39	110	0.74	60.2
D		DO	4S	29		3,468	3,468	264	2	98			25	23	40	12	23	34	0.37	102.2
D	**Totals**			48		12,242	12,242	930	1	80	19		7	6	16	70	29	72	0.62	171.2
N		DO	2S	33		3,611	3,611	274			87	13				100	40	282	1.68	12.8
N		DO	3S	45		4,850	4,850	369		96	4				15	85	38	99	0.72	48.8
N		DO	4S	22		2,356	2,356	179	4	96			40	27	26	8	20	29	0.34	81.3
N	**Totals**			43		10,817	10,817	822	1	64	31	4	9	6	12	73	28	76	0.69	142.9
H		DO	3S	55		1,305	1,305	99		100						100	40	136	0.85	9.6
H		DO	4S	45		1,032	1,032	78		100			14	4	43	40	31	41	0.31	24.9
H	**Totals**			9		2,337	2,337	178		100			6	2	19	73	33	68	0.49	34.5
Type Totals						25,396	25,396	1,930	1	75	22	2	8	6	15	72	29	73	0.63	348.5

TC TSTNDSUM

ODF

Stand Table Summary

Project CADDLE

T01N R06W S26 TA2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A2	76.00	18	112

Date: 01/29/20(
Time: 12:43:29PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
D		10	4	88	65	13.690	7.47	13.69	11.2	52.5	4.39	154	719	334	117	55
D		11	3	88	83	9.563	6.31	21.95	7.2	33.6	4.51	158	737	342	120	56
D		12	3	87	72	7.583	5.96	15.17	9.0	38.1	3.88	136	578	295	104	44
D		13	5	86	77	10.511	9.69	21.02	11.6	41.1	6.92	243	865	526	185	66
D		14	5	87	80	9.063	9.69	18.13	14.7	55.0	7.61	267	997	578	203	76
D		15	7	87	95	11.227	13.78	22.45	20.2	85.9	12.94	454	1,928	984	345	147
D		16	8	87	86	11.459	16.00	22.92	21.2	81.7	13.86	486	1,872	1,053	369	142
D		17	5	88	86	6.372	10.04	12.74	24.3	92.8	8.81	309	1,183	670	235	90
D		18	2	87	92	2.113	3.73	4.23	28.7	110.0	3.45	121	465	262	92	35
D		19	4	87	99	3.973	7.82	7.95	33.9	130.0	7.69	270	1,033	584	205	79
D		20	2	88	103	1.711	3.73	3.42	40.1	150.0	3.91	137	513	297	104	39
D		21	1	87	105	.776	1.87	1.55	45.9	180.0	2.03	71	279	154	54	21
D		22	1	87	92	.842	2.22	1.68	45.5	170.0	2.18	77	286	166	58	22
D		23	2	86	92	1.417	4.09	2.83	47.9	170.4	3.87	136	483	294	103	37
D		24	1	86	98	.707	2.22	1.41	53.7	215.0	2.17	76	304	165	58	23
D		Totals	53	87	82	91.008	104.62	171.16	18.1	71.5	88.22	3,095	12,242	6,705	2,353	930
N		8	1	89	50	5.348	1.87	5.35	4.6	20.0	.60	25	107	45	19	8
N		9	1	89	55	4.225	1.87	4.23	7.4	30.0	.75	31	127	57	24	10
N		10	1	90	60	3.422	1.87	3.42	10.5	50.0	.86	36	171	66	27	13
N		11	5	88	84	14.142	9.33	31.11	7.5	35.5	5.60	233	1,103	426	177	84
N		13	3	88	83	6.075	5.60	12.15	13.2	55.0	3.85	160	668	293	122	51
N		14	6	87	80	10.477	11.20	20.95	14.6	55.0	7.34	306	1,152	558	232	88
N		15	3	87	76	4.563	5.60	9.13	16.1	55.0	3.52	147	502	268	112	38
N		16	4	88	81	5.602	7.82	11.20	20.2	75.7	5.43	226	848	413	172	64
N		17	7	87	83	8.515	13.42	17.03	23.5	90.0	9.61	400	1,533	730	304	116
N		18	2	88	100	2.113	3.73	4.23	32.0	127.5	3.24	135	539	246	103	41
N		19	2	87	87	1.896	3.73	3.79	32.4	115.0	2.95	123	436	224	93	33
N		20	3	88	91	2.893	6.31	5.79	36.1	128.8	5.02	209	745	381	159	57
N		21	2	87	93	1.552	3.73	3.10	40.4	145.0	3.01	125	450	229	95	34
N		22	1	85	93	.707	1.87	1.41	45.5	170.0	1.54	64	240	117	49	18
N		23	3	87	99	1.941	5.60	3.88	51.4	200.0	4.79	200	776	364	152	59
N		24	2	87	99	1.188	3.73	2.38	54.7	225.0	3.12	130	535	237	99	41
N		25	1	87	91	.652	2.22	1.30	59.3	225.0	1.86	77	293	141	59	22
N		28	1	85	105	.437	1.87	1.31	55.4	230.0	1.74	73	301	132	55	23
N		30	1	86	102	.380	1.87	1.14	59.7	253.3	1.64	68	289	124	52	22
N		Totals	49	88	80	76.130	93.24	142.91	19.4	75.7	66.47	2,769	10,817	5,051	2,105	822
H		9	2	88	69	8.451	3.73	8.45	8.9	45.0	2.40	75	380	182	57	29
H		10	2	88	72	6.845	3.73	6.84	12.8	60.0	2.80	87	411	212	66	31
H		14	4	88	86	6.985	7.47	13.97	18.3	70.0	8.18	256	978	622	194	74
H		17	2	88	89	2.594	4.09	5.19	28.3	109.6	4.69	147	568	357	111	43
H		Totals	10	88	77	24.874	19.02	34.45	16.4	67.8	18.06	565	2,337	1,373	429	178
Totals			112	88	80	192.012	216.89	348.52	18.4	72.9	172.75	6429	25,396	13,129	4,886	1,930

TC TLOGSTVB
ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA2

T01N R06W S26 TA2

Page 1
Date 1/29/2008
Time 12:43:28PM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A2	76.00	18	112

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+
D		DO	2S	40	164		164	17.6						92	72					
D		DO	3S	32	40		40	4.3			24	16								
D		DO	3S	34	3		3	.3			3									
D		DO	3S	37	4		4	.4			4									
D		DO	3S	40	456		456	49.0			57	118	267		14					
D		DO	4S	7																
D		DO	4S	12	11		11	1.2		6	5									
D		DO	4S	13	3		3	.3			3									
D		DO	4S	14	16		16	1.7			16									
D		DO	4S	15	18		18	2.0			18									
D		DO	4S	16	8		8	.9			8									
D		DO	4S	18	2		2	.3			2									
D		DO	4S	20	9		9	.9				9								
D		DO	4S	21	10		10	1.0			10									
D		DO	4S	22	12		12	1.3			3	9								
D		DO	4S	25	3		3	.3			3									
D		DO	4S	26	8		8	.9			8									
D		DO	4S	27	9		9	.9			9									
D		DO	4S	28	7		7	.7			7									
D		DO	4S	29	3		3	.3			3									
D		DO	4S	30	8		8	.8			8									
D		DO	4S	31	2		2	.2			2									
D		DO	4S	32	64		64	6.9			52	13								
D		DO	4S	35	39		39	4.2			39									
D		DO	4S	36	16		16	1.7			16									
D		DO	4S	40	17		17	1.8				17								
D		Totals			930		930	48.2		6	298	181	267	92	86					
N		DO	2S	40	274		274	33.4						122	98	55				
N		DO	3S	32	45		45	5.4			33	3	9							
N		DO	3S	33	3		3	.4			3									
N		DO	3S	34	6		6	.7			6									
N		DO	3S	35	2		2	.3			2									
N		DO	3S	36	5		5	.6			5									
N		DO	3S	40	303		303	36.9			6	167	115	14						
N		DO	3S	41	5		5	.6			5									
N		DO	4S	12	6		6	.8		6										
N		DO	4S	13	11		11	1.4			11									
N		DO	4S	14	25		25	3.0			25									
N		DO	4S	15	10		10	1.3			10									
N		DO	4S	16	4		4	.5			4									
N		DO	4S	18	6		6	.7			6									
N		DO	4S	20	8		8	1.0			8									
N		DO	4S	21	5		5	.7			5									
N		DO	4S	22	12		12	1.4			12									
N		DO	4S	23	15		15	1.8			6	9								
N		DO	4S	27	10		10	1.2			10									
N		DO	4S	28	4		4	.5			4									
N		DO	4S	30	3		3	.3			3									
N		DO	4S	31	3		3	.4			3									
N		DO	4S	32	26		26	3.1			26									

TC TLOGSTVB

ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A2	76.00	18	112

T01N R06W S26 TA2

Date 1/29/2008

Time 12:43:28PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
N		DO	4S	33	17		17	2.1			17									
N		DO	4S	40	14		14	1.7				14								
N		Totals			822		822	42.6		6	210	193	124	136	98	55				
H		DO	3S	40	99		99	55.8				64	35							
H		DO	4S	20	11		11	6.0			11									
H		DO	4S	23	3		3	1.8			3									
H		DO	4S	31	13		13	7.2			13									
H		DO	4S	33	5		5	2.5			5									
H		DO	4S	34	16		16	9.0			16									
H		DO	4S	40	31		31	17.6			31									
H		Totals			178		178	9.2			78	64	35							
Total All Species					1,930		1,930	100.0		13	587	437	427	228	184	55				

TC PSTATS
ODF

PROJECT STATISTICS

PROJECT CADDLE

DATE 1/29/2008

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	06	26	C-ADDLE	A45C	150.00	40	244	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	40	244	6.1		
CRUISE	39	244	6.3	33,600	.7
DBH COUNT					
REFOREST COUNT					
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	172	141.9	14.9	84		172.0	21,996	21,996	5,412	5,412
NOB FIR	46	39.6	14.6	86		46.0	6,257	6,257	1,475	1,475
WHEMLOCK	25	40.8	10.6	63		25.0	2,478	2,478	574	574
WR CEDAR	1	1.8	10.0	45		1.0	55	55	17	17
TOTAL	*244*	*224.0*	*14.1*	*80*		*244.0*	*30,787*	*30,787*	*7,479*	*7,479*

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
DOUG FIR	67.7	10.7	127	142	157			
NOB FIR	159.1	25.1	30	40	49			
WHEMLOCK	191.7	30.3	28	41	53			
WR CEDAR	632.5	99.9	0	2	4			
TOTAL	*53.5*	*8.4*	*205*	*224*	*243*	*114*	*29*	*13*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	55.5	8.8	157	172	187			
NOB FIR	141.4	22.3	36	46	56			
WHEMLOCK	187.2	29.6	18	25	32			
WR CEDAR	632.5	99.9	0	1	2			
TOTAL	*36.7*	*5.8*	*230*	*244*	*258*	*54*	*13*	*6*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	58.6	9.3	19,961	21,996	24,032			
NOB FIR	143.2	22.6	4,842	6,257	7,673			
WHEMLOCK	189.7	30.0	1,736	2,478	3,221			
WR CEDAR	632.5	99.9	0	55	110			
TOTAL	*40.4*	*6.4*	*28,824*	*30,787*	*32,751*	*65*	*16*	*7*

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
DOUG FIR	58.3	9.2	4,914	5,412	5,910			
NOB FIR	143.1	22.6	1,142	1,475	1,809			
WHEMLOCK	194.8	30.8	398	574	751			
WR CEDAR	632.5	99.9	0	17	34			
TOTAL	*39.7*	*6.3*	*7,010*	*7,479*	*7,948*	*63*	*16*	*7*

T TSPCSTGR
ODF

Species, Sort Grade - Board Foot Volumes (Type)

Project: CADDLE

Page 1
Date 1/29/2008
Time 12:46:21PM

T01N R06W S26 TA45C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	06W	26	C-ADDLE	A45C	150.00	40	244	S	W

T01N R06W S26 TA45C

Spp	ST	So	rt	Gr	ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent 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
D		DO		2S		34		7,635	7,635	1,145			82	18				100	40	274	1.57	27.9
D		DO		3S		45		9,790	9,790	1,469		95	5		0	4	9	86	37	104	0.72	94.3
D		DO		4S		21		4,571	4,571	686		100			19	21	29	31	26	37	0.35	123.3
D	**Totals**					71		21,996	21,996	3,299		63	31	6	4	6	10	80	32	90	0.69	245.4
N		DO		2S		36		2,261	2,261	339			94	6			14	86	39	273	1.55	8.3
N		DO		3S		39		2,446	2,446	367		99	1		6	2	5	86	36	101	0.72	24.2
N		DO		4S		25		1,550	1,550	233		100			19	17	28	36	26	39	0.35	39.3
N	**Totals**					20		6,257	6,257	939		63	34	2	7	5	14	74	31	87	0.67	71.7
H		DO		3S		38		961	961	144		100					9	91	39	112	0.72	8.6
H		DO		4S		62		1,517	1,517	228		100			31	10		59	26	37	0.31	41.2
H	**Totals**					8		2,478	2,478	372		100			19	6	3	71	28	50	0.41	49.8
C		DO		4S		100		55	55	8		100				100			25	30	0.37	1.8
C	**Totals**					0		55	55	8		100				100			25	30	0.37	1.8
Type Totals								30,787	30,787	4,618		66	29	5	6	6	10	78	31	83	0.65	368.8

TC TSTNDSUM

ODF

Stand Table Summary

Project CADDLE

T01N R06W S26 TA45C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A45C	150.00	40	244

Date: 01/29/20(
Time: 12:46:22PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
D		8	3	84	61	8.594	3.00	8.59	4.2	20.0	1.04	37	172	156	55	26
D		9	5	87	75	11.318	5.00	11.32	8.6	46.0	2.78	98	521	417	146	78
D		10	5	86	71	9.365	5.00	9.37	11.4	53.9	3.04	107	505	457	160	76
D		11	5	86	70	7.576	5.00	7.58	14.8	60.0	3.20	112	455	480	169	68
D		12	14	87	79	17.825	14.00	30.56	11.8	48.8	10.27	361	1,490	1,541	541	223
D		13	9	88	85	9.764	9.00	19.53	13.3	53.9	7.40	260	1,052	1,111	390	158
D		14	15	88	85	14.102	15.00	27.27	16.1	64.1	12.49	438	1,748	1,874	657	262
D		15	16	88	86	13.038	16.00	26.08	18.4	73.8	13.67	480	1,923	2,051	720	288
D		16	14	88	97	10.027	14.00	20.05	23.4	96.8	13.37	469	1,941	2,006	704	291
D		17	16	88	88	10.151	16.00	20.30	25.3	99.7	14.61	513	2,024	2,192	769	304
D		18	13	88	98	7.422	13.00	14.84	31.5	124.8	13.34	468	1,853	2,002	702	278
D		19	10	88	95	5.107	10.00	10.21	33.6	125.0	9.79	344	1,277	1,469	515	192
D		20	12	88	95	5.500	12.00	11.00	38.5	143.8	12.08	424	1,581	1,813	636	237
D		21	9	88	93	3.742	9.00	7.48	41.6	153.9	8.87	311	1,152	1,330	467	173
D		22	6	88	102	2.291	6.00	4.96	45.1	188.4	6.38	224	934	956	336	140
D		23	7	89	100	2.448	7.00	6.28	40.9	176.3	7.33	257	1,108	1,099	386	166
D		24	3	89	104	.955	3.00	2.86	40.3	180.0	3.29	115	516	494	173	77
D		25	2	88	108	.587	2.00	1.76	45.1	205.0	2.26	79	361	340	119	54
D		26	3	88	103	.806	3.00	1.87	61.1	253.1	3.26	115	474	490	172	71
D		27	4	88	110	1.016	4.00	3.05	52.9	238.3	4.59	161	726	689	242	109
D		29	1	89	108	.218	1.00	.44	91.8	425.0	1.14	40	185	171	60	28
D		Totals	172	87	84	141.851	172.00	245.41	22.1	89.6	154.24	5,412	21,996	23,136	8,118	3,299
N		8	1	89	49	2.865	1.00	2.86	4.6	20.0	.32	13	57	48	20	9
N		9	2	90	86	4.527	2.00	4.53	10.4	60.0	1.13	47	272	169	70	41
N		10	1	90	82	1.833	1.00	1.83	12.8	60.0	.56	23	110	84	35	17
N		11	3	91	82	4.546	3.00	9.09	8.3	40.0	1.81	76	364	272	113	55
N		12	3	91	81	3.820	3.00	7.64	10.5	45.0	1.93	80	344	289	120	52
N		13	1	91	89	1.085	1.00	2.17	13.9	55.0	.73	30	119	109	45	18
N		14	4	91	87	3.742	4.00	7.48	16.5	70.0	2.97	124	524	445	185	79
N		15	5	91	92	4.074	5.00	8.15	20.8	90.0	4.06	169	733	610	254	110
N		16	4	90	87	2.865	4.00	5.73	21.3	82.5	2.94	122	473	440	183	71
N		17	3	90	95	1.903	3.00	3.81	27.2	110.0	2.48	104	419	373	155	63
N		18	2	90	98	1.132	2.00	2.26	32.1	127.5	1.74	73	289	261	109	43
N		19	3	91	91	1.524	3.00	3.05	32.8	123.3	2.40	100	376	360	150	56
N		20	5	90	94	2.363	5.00	4.73	36.7	147.0	4.17	174	695	625	260	104
N		21	2	90	104	.832	2.00	2.08	36.6	152.0	1.83	76	316	274	114	47
N		22	4	91	103	1.515	4.00	4.17	36.9	167.3	3.69	154	697	553	230	105
N		23	1	90	93	.347	1.00	.69	51.5	210.0	.86	36	146	128	54	22
N		24	1	91	100	.318	1.00	.95	39.4	176.7	.90	38	169	136	56	25
N		27	1	90	100	.261	1.00	.52	72.1	300.0	.90	38	157	136	56	23
N		Totals	46	90	86	39.551	46.00	71.75	20.6	87.2	35.41	1,475	6,257	5,311	2,213	939
H		8	5	85	50	14.324	5.00	14.32	4.6	20.0	2.10	66	286	316	99	43
H		9	4	90	72	9.054	4.00	9.05	9.7	52.5	2.80	88	475	421	131	71
H		11	5	89	64	7.724	5.00	9.24	12.2	53.4	3.62	113	494	543	170	74
H		13	2	91	72	2.170	2.00	2.17	22.7	90.0	1.58	49	195	236	74	29
H		14	5	91	74	4.677	5.00	9.35	14.7	58.0	4.41	138	543	661	207	81
H		15	1	90	74	.815	1.00	1.63	17.5	70.0	.91	29	114	137	43	17
H		16	2	92	82	1.432	2.00	2.86	21.8	90.0	2.00	62	258	300	94	39
H		18	1	90	75	.566	1.00	1.13	26.4	100.0	.96	30	113	144	45	17
H		Totals	25	88	63	40.762	25.00	49.77	11.5	49.8	18.38	574	2,478	2,757	862	372

TC TSTNDSUM
ODF

Stand Table Summary

Project CADDLE

T01N R06W S26 TA45C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A45C	150.00	40	244

Date: 01/29/20(
Time: 12:46:22PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
C		10	1	81	45	1.833	1.00	1.83	9.3	30.0	.40	17	55	60	26	8
C		Totals	1	81	45	1.833	1.00	1.83	9.3	30.0	0.40	17	55	60	26	8
Totals			244	88	80	223.998	244.00	368.75	20.3	83.5	208.43	7479	30,787	31,264	11,218	4,618

TC TLOGSTVB

ODF

Log Stock Table - MBF

Project: CADDLE

T01N R06W S26 TA45C

T01N R06W S26 TA45C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A45C	150.00	40	244

Page 1
Date 1/29/2008
Time 12:46:21PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
D		DO	2S	40	1,145		1,145	34.7						592	294	237	23			
D		DO	3S	20	4		4	.1					4							
D		DO	3S	21	5		5	.1					5							
D		DO	3S	22	46		46	1.4			5		21	21						
D		DO	3S	23	7		7	.2			7									
D		DO	3S	24	4		4	.1			4									
D		DO	3S	32	97		97	3.0			14	40	13	31						
D		DO	3S	33	4		4	.1			4									
D		DO	3S	34	15		15	.5			15									
D		DO	3S	35	17		17	.5			17									
D		DO	3S	36	29		29	.9			29									
D		DO	3S	37	8		8	.3			8									
D		DO	3S	38	35		35	1.0			35									
D		DO	3S	40	1,180		1,180	35.8			93	553	518	17						
D		DO	3S	41	17		17	.5			17									
D		DO	4S	12	7		7	.2			7									
D		DO	4S	13	24		24	.7			24									
D		DO	4S	14	6		6	.2			6									
D		DO	4S	15	14		14	.4			14									
D		DO	4S	16	9		9	.3			9									
D		DO	4S	17	10		10	.3			10									
D		DO	4S	18	14		14	.4			14									
D		DO	4S	19	16		16	.5			16									
D		DO	4S	20	27		27	.8			27									
D		DO	4S	21	10		10	.3			10									
D		DO	4S	22	44		44	1.3			44									
D		DO	4S	23	29		29	.9			29									
D		DO	4S	24	4		4	.1			4									
D		DO	4S	25	4		4	.1			4									
D		DO	4S	26	2		2	.1			2									
D		DO	4S	27	4		4	.1			4									
D		DO	4S	28	5		5	.1			5									
D		DO	4S	29	25		25	.8			25									
D		DO	4S	30	19		19	.6			19									
D		DO	4S	31	30		30	.9			30									
D		DO	4S	32	67		67	2.0			42	25								
D		DO	4S	33	41		41	1.2			41									
D		DO	4S	34	49		49	1.5			49									
D		DO	4S	35	14		14	.4			14									
D		DO	4S	36	5		5	.2			5									
D		DO	4S	37	17		17	.5			17									
D		DO	4S	38	4		4	.1			4									
D		DO	4S	39	33		33	1.0			33									
D		DO	4S	40	107		107	3.2			93	14								
D		DO	4S	41	46		46	1.4			46									
D		Totals			3,299		3,299	71.4			895	631	560	659	294	237	23			
N		DO	2S	32	48		48	5.1						14	33					
N		DO	2S	40	291		291	31.0						115	137	40				
N		DO	3S	20	23		23	2.5					19	5						
N		DO	3S	21	2		2	.2			2									
N		DO	3S	22	7		7	.7			7									

TC TLOGSTVB
ODF

Log Stock Table - MBF

Project: CADDLE

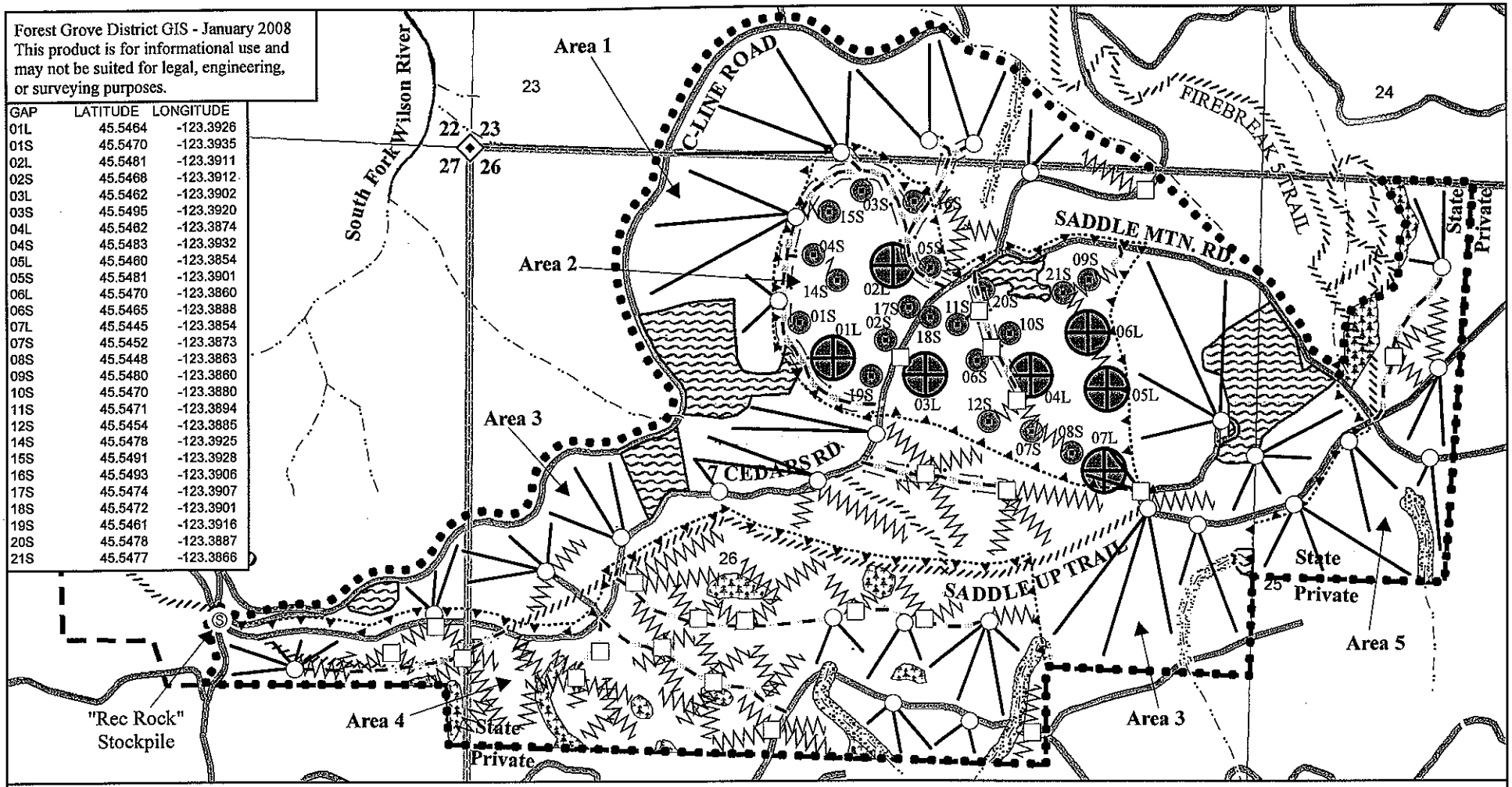
T01N R06W S26 TA45C

T01N R06W S26 TA45C

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	26	C-ADDLE	A45C	150.00	40	244

Page 2
Date 1/29/2008
Time 12:46:21PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
N		DO	3S	33	8		8	.9			8									
N		DO	3S	34	11		11	1.2			11									
N		DO	3S	36	17		17	1.8			17									
N		DO	3S	37	4		4	.4			4									
N		DO	3S	40	295		295	31.4			29	91	175							
N		DO	4S	13	12		12	1.3			12									
N		DO	4S	14	7		7	.7			7									
N		DO	4S	17	13		13	1.4			13									
N		DO	4S	19	3		3	.3			3									
N		DO	4S	20	9		9	.9			9									
N		DO	4S	21	4		4	.4			4									
N		DO	4S	22	4		4	.4			4									
N		DO	4S	23	4		4	.4			4									
N		DO	4S	25	18		18	2.0			18									
N		DO	4S	30	9		9	.9			9									
N		DO	4S	31	11		11	1.2			11									
N		DO	4S	32	54		54	5.8			41	13								
N		DO	4S	36	20		20	2.2			20									
N		DO	4S	40	63		63	6.7			50	13								
N		Totals			939		939	20.3			284	117	194	134	170	40				
H		DO	3S	32	13		13	3.4				13								
H		DO	3S	40	132		132	35.4				84	48							
H		DO	4S	14	11		11	3.0			11									
H		DO	4S	15	2		2	.7			2									
H		DO	4S	19	13		13	3.5			13									
H		DO	4S	20	43		43	11.7			34	9								
H		DO	4S	21	7		7	1.8			7									
H		DO	4S	22	6		6	1.7			6									
H		DO	4S	28	10		10	2.7			10									
H		DO	4S	37	15		15	4.0			15									
H		DO	4S	38	61		61	16.4			61									
H		DO	4S	40	42		42	11.3			27	15								
H		DO	4S	41	16		16	4.3			16									
H		Totals			372		372	8.1			204	120	48							
C		DO	4S	25	8		8	100.0			8									
C		Totals			8		8	.2			8									
Total All Species					4,618		4,618	100.0			1391	868	802	793	464	277	23			



Area 2 Harvest Gaps*

- Large
- Small
- ODF Ownership
- Timber Sale Boundary
- Area Boundary
- Cable Landing
- Ground Landing
- Cable Setting
- Ground Setting
- Stockpile

- Posted Green Tree Retention
- Non-thinnable Area
- Unposted Stream Buffer
- Posted Stream Buffer
- Type F Stream
- Type N Stream
- Right of Way
- Road Construction
- Existing Road
- OHV Trail
- County Line

LOGGING PLAN

Timber Sale Contract No. 341-09-15
C-Addle
Portions of Sections 25, and 26
T01N R06W W.M. Washington County, Oregon
Portions of Sections 23, and 27
T01N R06W W.M. Tillamook County, Oregon

1 inch equals 1,000 feet

1,000 500 0 1,000 Feet

N

APPROXIMATE ACREAGE			
Area	Rx	Gross	Net
Area 1	(PC-M)	120	109 Acres
Area 2	(PC-G)	79	19 Acres
Area 3	(PC-M)	158	132 Acres
Area 4	(MC)	117	109 Acres
Area 5	(MC)	47	41 Acres
Area 6	(R/W)		4 Acres
TOTAL		521	414 Acres

*Area 2 is 100% Tractor-based yarding