

# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

# **Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$4,261,620.79	\$0.00	\$4,261,620.79
		Project Work:	(\$392,500.00)
		Advertised Value:	\$3,869,120.79

11/27/19



# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

## **Timber Description**

Location: Portions of Sections 21, 24, 25, 28 & 30, T4N, R6W, W.M. Clatsop County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	23	0	98
Western Hemlock / Fir	28	0	98

Volume by Grade	28	3S & 4S 6"- 11"	Total
Douglas - Fir	7,412	1,823	9,235
Western Hemlock / Fir	125	34	159
Total	7,537	1,857	9,394

**Comments:** Pond Values Used: Local Pond Values, October 2019.

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost: \$879.45/MBF = \$1,086/MBF - \$206.55/MBF

Red alder and Other hardwoods Stumpage Price = Pond Value minus Logging Cost: \$309.45/MBF = \$516/MBF - \$206.55/MBF

BRANDING AND PAINTING COST ALLOWANCE =\$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$950 daily truck cost.

Other Costs (with Profit & Risk to be added): None None

Other Costs (No Profit & Risk added):

Machine Time to Block/Waterbar Roads, and Skid Trails:

10 hours x \$150/hour = \$1,500

Machine Time to Pile Landing Slash and Sort Firewood:

20 hours x \$150/hour = \$3,000

Equipment Cleaning: 3 pieces x \$1,000/Piece = \$3,000

Slash Disposal: 30 acres x \$200/acre = \$6,000

TOTAL Other Costs (No Profit & Risk added) = \$13,500

**ROAD MAINTENANCE** 

Move-in: \$4,000

General Road Maintenance: 7 miles x \$1,200/mile = \$8,400 TOTAL Road Maintenance: \$12,400/9,394 MBF = \$1.32/MBF



# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

# **Logging Conditions**

**Combination#: 1** Douglas - Fir 18.18%

Western Hemlock / Fir 20.11%

**Logging System:** Shovel **Process:** Stroke Delimber

yarding distance: Short (400 ft) downhill yarding: No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 15 bd. ft / load: 4600

cost / mbf: \$45.97

machines: Stroke Delimber (B)

Combination#: 2 Douglas - Fir 81.82%

Western Hemlock / Fir 79.89%

yarding distance: Long (1,500 ft) downhill yarding: No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 10 bd. ft / load: 4600

cost / mbf: \$130.44

machines: Log Loader (A)

Stroke Delimber (A) Tower Yarder (Medium)



# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

# **Logging Costs**

**Operating Seasons: 2.00** 

Profit Risk: 10%

Project Costs: \$392,500.00

Other Costs (P/R): \$0.00

Slash Disposal: \$0.00

**Other Costs:** \$13,500.00

## Miles of Road

Road Maintenance:

\$1.32

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

# **Hauling Costs**

Species	\$/MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.8
Western Hemlock / Fir	\$0.00	3.0	4.0



# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

# **Logging Costs Breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas -	Fir								
\$115.08	\$1.35	\$0.93	\$67.29	\$0.00	\$18.46	\$0.00	\$2.00	\$1.44	\$206.55
Western H	emlock	/ Fir							
\$113.45	\$1.35	\$0.93	\$80.75	\$0.00	\$19.65	\$0.00	\$2.00	\$1.44	\$219.57

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$662.47	\$455.92	\$0.00
Western Hemlock / Fir	\$0.00	\$541.58	\$322.01	\$0.00



# Sale FG-341-2020-W00230-01

District: Forest Grove Date: November 27, 2019

# **Summary**

#### Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

#### Unamortized

Specie	MBF	Value	Total
Douglas - Fir	9,235	\$455.92	\$4,210,421.20
Western Hemlock / Fir	159	\$322.01	\$51,199.59

**Gross Timber Sale Value** 

**Recovery:** \$4,261,620.79

Prepared By: Kenton Burns Phone: 503-359-7477

## TIMBER SALE SUMMARY French Dip FG-341-2020-W00230-01

- 1. Location: Portions of Sections 21, 24, 25, 28 & 30, T4N, R6W, W.M., Clatsop County, Oregon.
- 1. <u>Type of Sale</u>: This timber sale is 205 acres of Modified Clearcut in three sale areas. Area 1 is 97 acres, Area 2 is 106 acres and Area 3 is 2 acres of Right-of-Way. The timber will be sold on a recovery basis at a sealed bid auction.
- 2. Revenue Distribution: 100% BOF, 100% Clatsop County, Tax Code 8-01.
- 3. <u>Sale Acreage</u>: Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
- **4.** <u>Cruise</u>: The Timber Sale Area was cruised by ODF Cruisers in October of 2019. For more information, see Cruise Report.
- **Timber Description:** The Timber Sale Area consists of two areas of 68-year-old Douglas-fir timber, and a Right-of-Way area, all with minor amounts of western hemlock, noble fir, red alder, and western redcedar.

The following table summarizes the ODF cruise estimates for trees to be harvested.

Sale Area	Net Acres	Average DBH	Trees/Acre	Net MBF/Acre
Area 1	97	22	79	45.1
Area 2	106	23	73	49.5
Area 3 (R/W)	2	20	75	47.4

6. <u>Topography and Logging Method</u>: Slopes within the sale areas range from 5% to 70% and are variable in aspect. Elevations range from 1,280 to 1,690 feet. The following table summarizes the estimated maximum and average horizontal cable corridor length, the estimated maximum and average tractor skid trail length, and the percent harvest method for each Timber Sale Area.

	Tractor			Cable		
Sale Area	Average	Maximum	%	Average	Maximum	%
Area 1	80	250	7	450	1400	93
Area 2	150	300	28	500	1300	72
Area 3 (R/W)	50	100	100	NA	NA	0

7. Access: From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 14.5 miles to the North Fork Wolf Creek Road near milepost 35. Turn right and continue north 2.8 miles to the Nofo Road. Turn right and proceed west 0.7 miles to the southern corner of Area 2 of the Timber Sale Area.

#### 8. Projects:

Project No. 1: Rocked Road Construction	
Project No. 2: Road Improvement	\$262,652.10
Project No. 3: Stockpile Construction	\$65,772.00
Project No. 4: Road Brushing	\$55,000.65
Total Credits:	\$392,500.00

#### PROJECT COST SUMMARY SHEET

Timber Sale: Sale Number:		ch Dip 0-W00230-01	
PROJECT NO. 1: ROCKED ROAD CONSTRU	JCTION		
	Road Segment F to G	Length 5+00	Cost \$8,890.38
Total Rock =	≖ 534 cy	5+00 stations 0.09 miles 4" - 0	
Мо	ve-in,Within Area	Moves, & Cleaning Costs = _	\$184.87
	<u>TOTA</u>	PROJECT NO. 1 COST =	\$9,075.25
PROJECT NO. 2: ROAD IMPROVEMENT			
	Road Segment	Length	Cost
	A to B	148+15	\$11,513.21
	B to C	172+20	\$151,020.68
	C to D	28+95	\$7,801.60
	E to F	26+75	\$5,109.02
	H to I	15+00	\$9,945.47
	H to J	2+00	\$1,654.60
	K to L	2+15	\$1,665.40
	M to N	8+60	\$4,370.80
	O to P	2+05	\$3,985.37
	Q to R	26+05	\$51,989.95
	S to T	2+65	\$2,137.60
	Ü	-	\$2,120.20
	V	•	\$2,127.40
	W	=	\$796.48
	X	434+55 stations	\$1,086.16
		8.23 miles	
Total Rock =	:		
	552 cy	1½" - 0	
•	12,202 cy 228 cy	4" - 0 Riprap	
	·		
Mo		Moves, & Cleaning Costs = PROJECT NO. 2 COST =	\$5,328.16 <b>\$262,652.10</b>
		. FROJECT NO. 2 COST =	\$202,032.10
PROJECT NO. 3: STOCKPILE CONSTRUCTION	ON		
	Rock Size	Stockpile Measure	Cost
	4" - 0	5,000 cy	\$65,772.00
Total Rock =	5,800 cy	4" - 0	
	]	OTAL PROJECT COST =	\$65,772.00
ROJECT NO. 4: ROAD BRUSHING			·
	Road Segment	Length	Cost
	Light	2.90	\$2,465.00
	Medium	7.00	\$7,700.00
	Heavy	28.54	\$44,237.00
		38.44 miles	
Mov	/e-in,Within Area №	Moves, & Cleaning Costs = _	\$598.65
	]	OTAL PROJECT COST =	\$55,000.65
		TOTAL CREDITS	\$392,500.00

	Timber Sale:		French D			le Number	FG-341-2020	I-W00230-01
	Road Segment:		A to B	<u>'P</u>		provement:	148+15 2.81	stations miles
PROJECT NO. 2							2.01	TIMES
IMPROVEMENT		. 04	@	#OF 00			¢77F 00	
Clean culvert inlet & outlet Grade, ditch, & roll		31 148.15	ea @ sta @	\$25.00 \$36.00	per ea = per sta =		\$775.00 \$5,333.40	
					TOTALIM	PROVEME	NT COSTS =	\$6,108.40
CULVERTS		-					_	
Culverts and Bands 18" Diameter		90	LF @	\$20.00	per LF =		\$1,800.00	
24" Diameter		50	LF @	\$29.00	per LF =		\$1,450.00	
Markers & Stakes Culvert Markers Additional Installation Cost		10	ea @	\$10.00	per ea =		\$100.00	
Culvert #4		2	hrs @	\$175.00	per hr =		\$350.00	
					<u> ТОТ</u>	AL CULVE	RT COSTS =	\$3,700.00
ROCK		•						
		Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Subgrade rock								
Bedding and backfill Energy dissipator		1½" - 0 Riprap	\$1.70 \$5.10	\$8.22 \$7.68	\$0.50 \$1.60	96 48	\$1,000.32 \$690.24	
[Energy dissipator	,	Riprap	[ \$5.10 <u></u>	Ψ1.00	Subtotal =	144	\$1,690.56	
				Totals	All Rock = 1½" - 0 = Riprap =			
					·		CK COSTS =	\$1,690.56
EROSION CONTROL		0.04		# 40E CO			<b>#40</b> F	
Grass seed & fertilizer Straw mulch bale		0.01 1	ac @ ea @	\$425.00 \$10.00 <u>TC</u>	per ac = per ea = OTAL EROSIC	ON CONTR	\$4.25 \$10.00 OL COSTS =	\$14.25
		_						

TOTAL PROJECT COST = \$11,513.2100

Timber Sale:		French	Dip	S	ale Number:	FG-341-2020	-W00230-01
Road Segment:			C	_ lm	provement:	172+20	stations
						3.26	miles
PROJECT NO. 2							
IMPROVEMENT							
Clearing & grubbing (scatter)	0.17	ac@		per acre ≃		\$183.26	
Clean ditch & end-haul waste material	7.80	sta @	\$60.00	per sta =		\$468.00	
Haul waste material	57	cy @	\$3.22	per cy =		\$183.54	
Shape and compact waste material	57	су @	\$0.30	per cy =		\$17.10	
Clean culvert inlet & outlet	12	ea @	\$25.00	per ea =		\$300.00	
Cut Slope Lay Back		•		•			
Excavate & load	687	су @	\$1.90	per cy =		\$1,305.30	
Haul	894	cy @	\$3.22	per cy =		\$2,878.68	
Shape and compact waste material	894	cy @	\$0.30	per cy =		\$268.20	
Junction widening @ Point B	00.	<del>سی رہ</del>	ψ0.00	pu, oj		Ψ200.20	
Excavate	307	01/0	\$1.64	nor ov =		\$503.48	
Drift		cy@		per cy =		*	
_ · · · · ·	200	cy @	\$0.90	per cy =		\$180.00	
Load and haul to waste area	200	cy @	\$2.36	per cy =		\$472.00	
Compact waste material	400	cy @	\$0.30	per cy =		\$120.00	
mprove Turnouts	11	ea @	\$33.00	per ea =		\$363.00	
mprove Roadside 50' landing	2	ea @	\$82.50	per ea =		\$165.00	
Grade, ditch, & roll	172.20	sta @	\$36.00	per sta =		\$6,199.20	
				TOTAL II	MPROVEME	NT COSTS =	\$13 606 76
CULVERTS				10171211	110 1 2 1112		Ψ10,000.11
Culverts and Bands							
18" Diameter	310	LF@	\$20.00	per LF =		\$6,200.00	
24" Diameter	50	LF @	\$29.00	per LF =		\$1,450.00	
Varkers & Stakes	00	-i. @	ΨΕΟ.ΟΟ	por Er		ψ1,400.00	
Culvert Markers	19	ea @	\$10.00	per ea =		\$190.00	
Additional Installation Cost	19	ea w	φ10.00	per ea -		φ (50.00	
Culvert #5	4	hrs @	\$175.00	per hr ≃		\$700.00	
Carvereno	-	1113 (6)	ψ170.00	per III –	•	Ψ100.00	
				TC	TAL CULVE	RT COSTS =	\$8,540.00
ROCK							
	Do ali	Base	Harri Carat	Placement			
	Rock	Cost	Haul Cost	Processing	Total CY	Rock Cost	
	Size	\$/cy	\$/cy	Cost \$/cy	1	THOUSE GOOD	
Subgrade rock		4,0)	<u> </u>	000.4.0)	.1		
Bedding and backfill	1½" - 0	\$1.70	\$4.56	\$0.50	264	\$4.704.64	
						\$1,784.64	
Energy dissipator	Riprap	\$5.10	\$8.03	\$1.60	48	\$707.04	
Subgrade reinforcement	4"-0	\$9.44	\$5.35	\$0.75	53	\$823.62	
				Subtotal =	365	\$3,315.30	
Surfacing rock	40.6				1 1	*****	
Surfacing rock	4"-0	\$9.44	\$5.35	\$1.22	7,233	\$115,800.33	
Junction	4"-0	\$9.44	\$5.35	\$1.22	180	\$2,881.80	
Turnout	4"-0	\$9.44	\$5.35	\$1.22	304	\$4,867.04	
Roadside landing	4"-0	\$9.44	\$5.35	\$1.22	120	\$1,921.20	
				≅Subtotal=	7,837	\$125,470.37	
			Totals	All Rock =			
				1½" - 0 :	= 264		
				4" - 0 :	7,890		
				Riprap =	= 48		
					TOTAL RO	CK COSTS =	\$128,785.6
ROSION CONTROL							,
	0.09	ac @	\$425.00	per ac =		\$38.25	
Brass seed & fertilizer						せいひ.とび	
		_		,			
Grass seed & fertilizer Gtraw mulch bale	5	ea @	\$10.00	per ea =	on ocurs	\$50.00 OL COSTS =	\$88.25

Timber Sal-	e:	French	Dip	Sal	e Number:	0-W00230-01	
Road Segmer	ıt:	C to I	)	lmp	rovement:	28+95 0.55	stations miles
PROJECT NO. 2							
IMPROVEMENT							
Clean culvert inlet & outlet	4	ea @	\$25.00	per ea =		\$100.00	
Remove existing halfround	2	ea @	\$50.00	per ea =		\$100.00	
Grade, ditch, & roll	28.95	sta @	\$36.00	per sta =		\$1,042.20	
				TOTAL IMP	ROVEMEN	IT COSTS =	\$1,242.20
CULVERTS	<u></u>						
Culverts and Bands							
18" Diameter	160	LF @	\$20.00	per LF =		\$3,200.00	
Markers & Stakes							
Culvert Markers	5	ea @	\$10.00	per ea =		\$50.00	
Halfround stakes	4	ea @	\$10.00	per ea =		\$40.00	
Additional Installation Cost							
Inlet & halfround repair, culvert #19 & 20	6	hrs @	\$175.00	per hr =		<u>\$1,050.00</u>	
				TOTA	L CULVER	T COSTS =	\$4,340.00
ROCK	<del></del>						* 11
	Б.	Base	11101	Placement/			
	Rock	Cost	Haul Cost	Processing	Total CY	Rock Cost	
	Size	\$/cy	\$/cy	Cost \$/cy			
Subgrade rock	A COLOR	· · · · · · · · · · · · · · · · · · ·			<u> </u>	'	
Bedding and backfill	1½" - 0	\$1.70	\$4.36	\$0.50	120	\$787.20	
Energy dissipator	Riprap	\$5.10	\$4.15	\$1.60	132	\$1,432.20	
	. , ,			Subtotal =	252	\$2,219.40	
			<b>77</b> _ 4 _ 1.	- Company	The same	1	
			Totals	All Rock =	***************************************		

All Rock ≡	252
1½" - 0 =	120
Riprap =	132

TOTAL ROCK COSTS = \$2,219.40

TOTAL PROJECT COST = \$7,801.60

	Timber Sale:		French, E	Dip	Sale	e Number:	Number: FG-341-2020-W00230-01		
	Road Segment:	t: E to F		Imp	rovement:		stations		
							0.51	miles	
PROJECT NO. 2									
IMPROVEMENT									
Clean ditch & scatter waste ma	terial	5.20	sta @	\$60.00	per sta =		\$312.00		
Clean culvert inlet & outlet		4	ea @	\$25.00	per ea =		\$100.00		
Construct settling ponds		6	ea @	\$25.00	per ea =		\$150.00		
Improve turnouts		2	ea @	\$33.00	per ea =		\$66.00		
Improve roadside 50' landing		1	ea @	\$82.50	per ea =		\$82.50		
Grade, ditch, & roll	2	26.75	sta @	\$36.00	per sta =		\$963.00		
					TOTAL IMP	ROVEMEN	T COSTS =	\$1,673.50	
CULVERTS									
Culverts and Bands	<del></del>								
18" Diameter		30	LF @	\$20.00	per LF =		\$600.00		
Markers & Stakes									
Culvert markers		1	ea @	\$10.00	per ea =		\$10.00		
					TOTAL	CHIVED	T COSTS =	\$610.00	
ROCK					<u>,101A</u>	LCOLVEN	1 00010 =	φοτυ.υυ	
			Base	1	Placement/				
	1	Rock	Cost	Haul Cost	Processing	Total CY	Rock Cost		
	;	Size	\$/cy	\$/cy	Cost \$/cy	1010101	TOOK OOST		
Subgrade rock	The second secon				•				
Bedding and backfill	1	½"-0	\$1.70	\$7,52	\$0.50	24	\$233.28		
					Subtotal =	24	\$233.28		
Surfacing rock									
Spot rock		4"-0	\$9.44	\$4.77	\$1.22	50	\$771.50		
Turnout		4"-0	\$9.44	\$4.77	\$1.22	38	\$586.34		
Roadside landing		4"-0	\$9.44	\$4.77	\$1.22	80	\$1,234.40		
					Subtotal =	168	\$2,592.24		
				Totals	All Rock =	192			
					1½" - 0 =	24			
					4" - 0 =	168			

All Rock =	192
1¼" - 0 =	24
4" - 0 =	168

TOTAL ROCK COSTS = \$2,825.52 TOTAL PROJECT COST = \$5,109.02

Timber Sale:				Sal		FG-341-20	20-W00230-01	
Road Segment:		F to G		Co	nstruction:	5+00	stations	
						0.09	miles	
PROJECT NO. 1								
CONSTRUCTION								
Clearing & grubbing (scatter)	0.58	ac @	\$1,078.00	per ac =		\$625.24		
Balanced road construction	5.00	sta @		per sta =		\$550.00		
Turnarounds	1	ea @		per ea =		\$82.50		
Landing	1	ea @		per ea =		\$314.00		
Construct tank trap	1	ea @		per ea =		\$55.00		
Grade, ditch, & roll	5.00	sta @		per sta =		\$180.00		
				TOTAL CONS	TRUCTIO	N COSTS =	\$1,806.74	
CULVERTS							4 - 1 - 2 - 7 - 7	
Culverts and Bands	•							
18" Diameter	60	LF@	\$20.00	per LF =		\$1,200.00		
Markers & Stakes		•	•	•		• •		
Culvert markers	2	ea @	\$10.00	per ea =		\$20.00		
Additional Installation Cost		Ů	•	•				
Culvert #22	1	hrs @	\$175.00	per hr =		\$175.00		
				TOTAL	CHIVED	T COSTS =	\$1,395.00	
ROCK				1017	LOLVEN	1 00010 -	\$1,385.00	
		1		Dissert	1	1	İ	
	Rock	Base	Haul Cost	Placement/	T-4-1 00/	D1-04		
	Size	Cost \$/cy	\$/cy	Processing	Total CY	Rock Cost		
				Cost \$/cy	<u> </u>	L		
Surfacing rock	411.0	D 44	&E 00	64.00	225	¢E 000 E0		
Base rock	4"-0	\$9.44	\$5.00	\$1.22	325	\$5,089.50		
Turnaround	4"-0	\$9.44	\$5.00	\$1.22	29	\$454.14		
70' Landing	4"-0	\$9.44	\$5.00	\$1.22	180	\$2,818.80		
				Subtotal =	534	\$5,543.64		
			Totals	All Rock =	534	1		
			101413	4" - 0 =				
				4 - 0	1 304	J		
				<u>TC</u>	TAL ROC	K COSTS =	\$5,543.64	
EDOCION CONTROL								
EROSION CONTROL	0.00	-a @	<b>ቀ</b> ደበለ ሰላ	nor 00 =		\$14E 00		
Grass seed & fertilizer	0.29	ac @	\$500.00	per ac =		\$145.00		
			то	TAL EROSION	CONTRO	L COSTS =	\$145.00	
			<del></del>			,		
						CT COST =	\$8,890.38	

	Timber Sale:		French	Dip	Sale	e Number:	FG-341-202	0-W00230-01
	Road Segment:	nt: H to I			_ lmp	provement: 15+00 0.28		stations miles
PROJECT NO. 2								
IMPROVEMENT								
Clean culvert inlet & outlet		1	ea @	\$25.00	per ea =		\$25.00	
Improve 70' Landing		1	ea @	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll		15.00	sta @	\$36.00	per sta =		\$540.00	
					TOTAL IMPE	ROVEMEN	T COSTS =	\$722.00
ROCK								
		Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock								
Surfacing rock		4"-0	\$9.44	\$5.27	\$1.22	465	\$7,407.45	
Turnout		4"-0	\$9.44	\$5.27	\$1.22	14	\$223.02	
Turnaround		4"-0	\$9.44	\$5.27	\$1.22	10	\$159.30	
70' Landing		4"-0	\$9.44	\$5.27	\$1.22	90	\$1,433.70	
					Subtotal =	579	\$9,223.47	

Totals

All Rock =	579
4" - 0 =	579

TOTAL ROCK COSTS = \$9,223.47

TOTAL PROJECT COST = \$9,945.47

Timber Sal	e:	French	Dip	Sale	e Number:	FG-341-202	20-W00230-01
Road Segmer	nt:	H to	J	lmp	rovement:	2+00 0.04	stations miles
PROJECT NO. 2	-,						
IMPROVEMENT							
Improve 70' Landing	<del>-</del> 1	ea@	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll	2.00	sta @	\$36.00	per sta =		\$72.00	
				TOTAL IMPE	ROVEMEN	T COSTS =	\$229.00
ROCK	<u>.</u>						
	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock	CANADA CANADA CANADA						
70' Landing	4"-0	\$9.44	\$5.18	\$1.22	90	\$1,425.60	
Name 1 and 1				Subtotal =	90	\$1,425.60	
			Totals	All Rock = 4" - 0 =	90 90		

TOTAL ROCK COSTS = \$1,425.60

TOTAL PROJECT COST = \$1,654.60

	Timber Sale:		French	Dip	_ Sale Number:		FG-341-202	20-W00230-0
	Road Segment:		K to	L	- Imp	rovement:	2+15 0.04	stations miles
PROJECT NO. 2								
IMPROVEMENT								
Improve 70' Landing		1	ea @	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll		2.15	sta @	\$36.00	per sta =		\$77.40	
					TOTAL IMPE	ROVEMEN	T COSTS =	\$234.40
ROCK							_	
		Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock								
70' Landing		4"-0	\$9.44	\$5.24	\$1.22	90	\$1,431.00	
				Totals	Subtotal =  All Rock =  4" - 0 =		\$1,431.00	

TOTAL ROCK COSTS = \$1,431.00

TOTAL PROJECT COST = \$1,665.40

Timber Sale	French Dip		Sale Number: _		FG-341-202	-W00230-01	
Road Segment	:	M to	N	lmı	provement:	8+60	stations
_				-		0.16	miles
PROJECT NO. 2	·						
IMPROVEMENT		,					
Clean culvert inlet & outlet	_ 3	ea @	\$25.00	per ea =		\$75.00	
mprove Roadside 50' landing	1	ea@	\$82.50	per ea =		\$82.50	
Improve 70' Landing	1	ea@	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll	8.60	sta @	\$36.00	per sta =		\$309.60	
				TOTAL IN	<u>IPROVEME</u>	NT COSTS =	\$624.10
ROCK	_					_	
	<u> </u>	Base	I , ,	Placement/			
	Rock	Cost	Haul Cost	Processing	Total CY	Rock Cost	
	Size	\$/cy	\$/cy	Cost \$/cy			
Surfacing rock		•					
Roadside landing	4"-0	\$9.44	\$5.63	\$1.22	80	\$1,303.20	
70' Landing	4"-0	\$9.44	\$5.63	\$1.22	150	\$2,443.50	
		***************************************		-Subtotal =	230	\$3,746.70	

Totals

All Rock =	230
4" - 0 =	230

TOTAL ROCK COSTS = \$3,746.70

TOTAL PROJECT COST = \$4,370.80

	Timber Sale:		French	Dip		e Number:	FG-341-202	.0-W00230-01
	Road Segment:		O to I		-	rovement:		stations miles
PROJECT NO. 2								
IMPROVEMENT								
Clearing & grubbing (scatter)		0.17	ac @	\$808.50	per acre =		\$137. <b>45</b>	
Construct 70' Landing		1	ea @	\$314.00	per ea =		\$314.00	
Grade, ditch, & roll		2.05	sta @	\$36.00	per sta =		\$73.80	
					TOTAL IMPR	ROVEMEN	T COSTS =	\$525.25
ROCK					•		_	
		Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock								
Surfacing rock		4"-0	\$9.44	\$5.34	\$1.22	64	\$1,024.00	
70' Landing		4"-0	\$9.44	\$5.34	\$1.22	150	\$2,400.00	
,					Subtotal =	214	\$3,424.00	
				Totals	All Rock = 4" - 0 =			

TOTAL ROCK COSTS = \$3,424.00

TOTAL PROJECT COST = \$3,985.37

	Timber Sale:		French E	Dip	Sa	le Number:	FG-341-202	0-W00230-01
	Road Segment:		Q to R		- Im <sub>l</sub>	provement:	26+05	stations
						'	0.49	miles
PROJECT NO. 2								
IMPROVEMENT								
Clearing & grubbing (scatter)		1.80	ac @	\$1,078.00	per acre =		\$1,940.40	
Clean culvert inlet & outlet		1	ea @	\$25.00	per ea =		\$25.00	
Remove & reinstall culvert		1	ea@	\$410.10	per ea =		\$410.10	
Cut Slope Lay Back								
Excavate		3,631	cy @	\$1.90	per cy =		\$6,898.90	
Drift material		2,361	cy @	\$0.90	per cy =		\$2,124.90	
Load & endhaul		2,361	cy @	\$2.32	per cy =		\$5,477.52	
Compact waste area		2,361	cy @	\$0.30	per cy =		\$708.30	
Improve 70' Landing		1	ea @	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll		26.05	sta @	\$36.00	per sta =		\$937.80	
					TOTAL IMF	PROVEMEN	NT COSTS =	\$18,855.92
Markers & Stakes								
Culvert Markers		2	ea @	\$10.00	per ea =		\$20.00	
ROCK					<u> 1017</u>	AL CULVE	RT COSTS =	\$20.00
NOON			1			. 1		
		Rock	Base	Haul Cost	Placement/	1		
		Size	Cost	\$/cy	Processing	Total CY	Rock Cost	
			\$/cy		Cost \$/cy			
Surfacing rock	A series of the					1		
Base rock		4"-0	\$9.44	\$5.33	\$1.22	1,694	\$27,087.06	
Turnout		4"-0	\$9.44	\$5.33	\$1.22	58	\$927.42	
Turnaround		4"-0	\$9.44	\$5.33	\$1.22	20	\$319.80	
Roadside landing		4"-0	\$9,44	\$5.33	\$1.22	95	\$1,519.05	
70' Landing		4"-0	\$9.44	\$5.33	\$1.22	180	\$2,878.20	
					Subtotal =	2,047	\$32,731.53	
				Totals	All Rock =	2,047	1	
				Totals	4" - 0 =			
					4-0-	2,047		
					т	OTAL BOO	יע רחפדפ =	\$32,731.53
					.1.	O I AL IVOC	<u> </u>	ψυΖ, τυ 1.υυ
EROSION CONTROL				* * * * * * * *			4000 ==	
Grass seed & fertilizer		0.90	ac @	\$425.00	per ac =		\$382.50	
				<u>TO1</u>	TAL EROSIO	N CONTRO	DL COSTS = _	\$382.50
					TOT	AL PROJE	CT COST =	\$51,989.95
					<u> </u>		=======================================	, - 30.00

Timber		French	Dip		e Number:	FG-341-202	0-W00230-0
Road Segi	ment:	S to	T	_ Imp	rovement:	2+65 0.05	stations miles
PROJECT NO. 2							
MPROVEMENT							
mprove 70' Landing	1	ea @	\$157.00	per ea =		\$157.00	
Grade, ditch, & roll	2.65	sta @	\$36.00	per sta =		\$95.40	
				TOTAL IMPE	ROVEMEN	T COSTS =	\$252.40
ROCK					•	_	·
	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock							
70' Landing	4"-0	\$9.44	\$5.05	\$1.22	120	\$1,885.20	
				Subtotal =	120	\$1,885.20	
			Totals	All Rock ≡ 4" - 0 =	120 120		

<u>TOTAL ROCK COSTS</u> = \$1,885.20 <u>TOTAL PROJECT COST</u> = \$2,137.60

	Timber Sale:		French	Dip	Sale	Number:	FG-341-202	:0-W00230-01
	Road Segment:		U	*****	-			
PROJECT NO. 2								
IMPROVEMENT								
Improve 70' Landing		1	ea @	\$157.00	per ea =		\$157.00	
					TOTAL IMPE	OVEMEN	T COSTS =	\$157.00
ROCK							_	
		Rock	Base Cost	Haul Cost	Placement/ Processing	Total CY	Rock Cost	
	İ	Size	\$/cy	\$/cy	Cost \$/cy			
Surfacing rock								
70' Landing		4"-0	\$9.44	\$5.70	\$1.22	120	\$1,963.20	
					Subtotal =	120	\$1,963.20	
				Totals	All Rock = 4" - 0 =	120 120		

TOTAL ROCK COSTS = \$1,963.20 TOTAL PROJECT COST = \$2,120.20

:	French	Dip	Sal	e Number:	FG-341-202	:0-W00230-01
:	V		-			
_						
_ 1	ea @	\$157.00	per ea =		\$157.00	
			TOTAL IMPE	ROVEMEN	T COSTS =	\$157.00
_					_	
Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
4"-0	\$9.44	\$5.76	\$1.22	120		
			Subtotal =	120	\$1,970.40	
	Size	t: V  1 ea@  Rock Size Base Cost \$/cy	t: V  1 ea @ \$157.00  Rock Size Cost \$/cy Haul Cost \$/cy	t: V  1 ea @ \$157.00 per ea =  TOTAL IMPE  Rock Size Cost \$/cy Placement/ Processing Cost \$/cy  4"-0 \$9.44 \$5.76 \$1.22	t: V  1 ea @ \$157.00 per ea =	Total CY    Cost   Size   Sock   Size   Sock   Size   Sock   Sock   Size   Sock
Totals

All Rock =	120
4" - 0 =	120

<u>TOTAL ROCK COSTS</u> = \$1,970.40 <u>TOTAL PROJECT COST</u> = \$2,127.40

	OQ.	ALLAN ZL Z L	اب دا	1011100110	11 0001			
	Timber Sale:		French	Dip	Sale	Number:	FG-341-202	20-W00230-01
	Road Segment:		W		_			
PROJECT NO. 2								
CULVERTS								
Culverts and Bands		•						
18" Diameter		30	LF@	\$20.00	per LF =		\$600.00	
Markers & Stakes								
Culvert Markers		1	ea @	\$10.00	per ea =		\$10.00	
							-	
					TOTAL	CULVER	T COSTS =	\$610.00
ROCK							_	
		· 	Base		Placement/			
		Rock	Cost	Haul Cost	Processing	Total CV	Rock Cost	
		Size	\$/cy	\$/cy	Cost \$/cy	i otal O i	TOOK OOST	
Subgrade:rock	Party of the Section	<u> </u>	ψ/Су		COSt W/Cy			
Bedding and backfill		1½" - 0	\$1.70	\$5.57	\$0.50	24	\$186.48	
Dedding and backing	•	172 - 0	Ψι.ιο	φυ.υτ	Subtotal =	24	\$186.48	
					Captotal	Action of the Control		
				Totals	All Rock =	24	]	
				rotato	1½" - 0 =			
							I	
					TO	TAL ROCI	K COSTS =	\$186.48

TOTAL PROJECT COST = \$796.48

Timber Sale:		French	Dip	Sale	e Number:	FG-341-202	0-W00230-01
Road Segment:		Х		<del>-</del>			
	30	LF@	\$29.00	per LF =		\$870.00	
	1	ea @	\$10.00	per ea =		\$10.00	
				TOTAL	<u>CULVER</u>	<u>T COSTS = </u>	\$880.00
		Base		Placement/			
		Cost		1	Total CY	Rock Cost	
	Size	\$/cy	\$/cy	Cost \$/cy			
			<u></u>				
	1½" - 0	\$1.70	\$6.39	\$0.50	24	\$206.16	
				Subtotal =	24	\$206.16	
		1 Rock Size	Road Segment: X  30 LF @ 1 ea @  Rock Size Base Cost \$/cy	Road Segment: X	Road Segment: X	Road Segment: X	Road Segment: X

Totals

All Rock =	24
1½" - 0 =	24

TOTAL ROCK COSTS = \$206.16

TOTAL PROJECT COST = \$1,086.16

Tir	mber Sale:	French Dip	<u> </u>	Sa	le Number:	FG-341-202	20-W00230-01
PROJECT NO. 3	: 5,000 cy 4" - 0" S	TOCKPILE C	ONSTRUC	TION			
ROCK							
	Rock Siz	Base Cost	Haul Cost	Placement Cost \$/cy	Total CY	Rock Cost	
Stockpile	rock		1			<u></u>	
Stockpile	4" - 0	\$9.44	\$0.80	\$1.10		\$65,772.00	
	,			Subtotal =	5,800	\$65,772.00	

Totals

Alleivory =	5,800
All Pock =	5.200

TOTAL PROJECT COST = \$65,772.00

-	Timber Sale:	French	Dip	Sale Number:	FG-341-20	20-W00230-01
				Brushing	38.44	miles
PROJECT NO. 4 BRUSHING Roadside brushing (lig Roadside brushing (me Roadside brushing (he	edium) 7.00	mi @	\$850.00 \$1,100.00 \$1,550.00	per mi =	\$2,465.00 \$7,700.00 \$44,237.00	

TOTAL PROJECT COST = \$54,402.00

# QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Tim	ber Sale:	Fren	ch Dip		
Sale	Number:	FG-341-202	0-W00230-01	<b>-</b>	
Quar	ry Name: ַ	West Ma	ac Quarry	_	
	4" - 0:	12,202 cy	(truck measur	.e)	
	Riprap:	228 cy	_(truck measur	•	
4" - 0 \$	Stockpile:	5,000 cy	(stockpile me	•	
Total truck		18,230 cy	_ (	······································	
Total in place		17,529 cy	<del>-</del> -		
Overs	ize - Pile:	20%			
	Swell:	130%	<b>-</b> -		
Cor	mpaction:	116%	_		
Move-in & Other Base Cost					
Quarry development & overbur	den remov	<i>v</i> al			\$14,872.62
Equipment cleaning & move in		•			\$1,882.58
Equipment cleaning & move in	dozer				\$1,862.14
Move in & setup drill					\$500.41
Move in loader					\$773.23
Move in & setup crusher					\$3,109.30
Move in dump trucks	<b>454.5</b> 0	10.000	4.0		\$484.69
Gradation tests	\$71.50 /	/2,000cy x	10	_tests =	\$715.00
Clean up quarry				0	\$500.00
				Subtotal = _ Per CY =	\$24,699.97
4"-0 Base Cost				Percr =	\$1.35/cy
Drill & shoot	\$2.80	/ cy x	17,310	cy =	\$48,466.92
Push rock	\$0.80	/ cy x	22,503	_cy =	\$18,002.00
Oversize - Pile	\$0.80	/ cy x	4,501	_cy =	\$3,600.40
Load crusher	\$0.80	/ cy x	18,002	_cy =	\$14,401.60
Crush (4" - 0)	\$2.60	/ cy x	12,202	_cy =	\$31,725.20
Crush (Stockpile)	\$2.60	/ cy x	5,800	_ cy =	\$15,080.00
Load dump truck	\$0.80	/ cy x	18,002	_ cy = _	\$14,401.60
				Subtotal =	\$145,677.72
				Per CY =	\$8.09/cy
Riprap Base Cost				_	
Drill & shoot	\$2.80	/ cy x	219	_cy =	\$613.85
Push rock	\$0.80	/ cy x	285	_cy =	\$228.00
Load dump truck	\$0.80	/ cy x	285	_cy = _	\$228.00
				Subtotal = _	\$1,069.85
				Per CY =	\$3.75/cy
				Total =	\$171,447.54
4"-0 Bas	se Cost =	\$9.44/cy		<del>-</del>	
Riprap Bas		\$5.10/cy	=		
1 - 1			<u> </u>		

#### STOCKPILE COST SUMMARY

Timber Sale: French Dip
Sale Number: FG-341-2020-W00230-01
Stockpile Name: Lower Rock Creek Stockpile

\_\_\_\_\_\_

1 1/2" - 0: 552 cy (truck measure)
Total truck yardage: 552 cy

Load dump truck \$0.80 / cy x 552 cy = \$441.60

Subtotal: \$441.60

Move in loader \$495.23 Subtotal: \$495.23

TOTAL PRODUCTION COST = \$936.83

ROCK DEVELOPMENT COST = \$1.70/cy

Timber Sale: French Dip Sale Number: FG-341-2020-W00230-01

MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS	
Equipment	Total
Grader	\$799.08
Roller (smooth/grid) & Compactor	\$578.65
Excavator (Large) - Equipment Cleaning	\$2,019.24
Dozer (Large) - Equipment Cleaning	\$1,824.66

**Dump Trucks** 

Water Truck (2,500 Gal)

TOTAL MOVE-IN COSTS = \$5,513.03

\$194.46

\$96.94

## CRUISE REPORT FRENCH DIP #FG-341-2020-W00230-01

- **1. LOCATION:** Portions of Sections 21, 24, 25, 28 & 30 T4N, R6W, W.M., Clatsop County, Oregon.
- **2. CRUISE DESIGN:** Pre-cruise evaluation indicated that the stand's average DBH is approximately 21 inches with a Coefficient of Variation of about 68%. For sales of this size and approximate value, ODF cruise standards require a Sampling Error of 9% at a 68% confidence level, and a minimum sample size of 100 graded trees. Statistical analysis indicated that 44 variable radius plots utilizing a 40 BAF prism would produce an adequate sample size.
- **3. SAMPLING METHOD:** The Timber Sale Area was cruised in October 2019. Sale Areas 1 and 2 were sampled with 44 variable radius grade plots laid out on a 5 chain x 9 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.
- **4. CRUISE RESULTS:** 233 trees were measured and graded producing a cumulative Sampling Error of 4.7% on the Basal Area and 5.3% on the Board Foot Volume.
- **5. TREE MEASUREMENT AND GRADING:** All sample trees were measured and graded following Columbia River Log Scale grade rules and favored 40 foot segments.
  - a) **Height Standards:** Total tree heights were measured to the nearest foot. Bole heights were calculated to a six inch top.
  - b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
  - c) Form Factors: Measured for each grade tree using a form point of 16 feet.

#### 5. DATA PROCESSING:

- Volumes and Statistics: Cruise estimates and sampling statistics, were derived from Super Ace 2008 cruise software.
- b) **Deductions:** Two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.

6. CRUISERS: The sale was cruised by ODF cruisers Kenton Burns and Mark Savage.

Prepared by:

Kenton Burns

Data

Reviewed by:

Mark Savage

Date

TC PS	TATS					OJECT : ROJECT		STICS NCHDP			PAGE DATE	1 10/14/201
WP	RGE	SC	TRACT	r	ГҮРЕ		AC	CRES	PLOTS	TREES	CuFt	BdFt
04N 04N	06 06W	25 25	00A1 00A2		00MC 00MC			203.00	44	233	S	W
						TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
			PLOTS	TREES		PER PLOT	,	TREES		TREES		
TOTA	AL		44	233		5.3						\
	COUNT DREST NT NKS		44	233		5.3		15,405		1.5	(	JIA
					STA	ND SUM	MARY			· · · · · · · · · · · · · · · · · · ·		
			AMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOU	G FIR		226	73.0	22.7	131	43.1	205.5	46,884	46,302	9,798	9,798
WR (	CEDAR		3	2.0	15.7	60	0.7	2.7	312	312	81	81
	MLOCK		3	.6	27.9	137	0.5	2.7	575		126	126
NOB			1	.2	31.0	154	0.2	.9	236		48	48
TOT.	AL		233	75.9	22.6	129	44.5	211.8	48,007	47,416	10,053	10,053
CON	IFIDENC 68			THE SAMPL T OF 100 TI		ME WILL	BE WIT	HIN THE SAN	⁄IPLE ERR	OR		
CL	68.1		COEFF			SAMPL	E TREE	S - BF		# OF TREES	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	.OW	AVG	HIGH		5	10	15
DOU	G FIR		60.7	4.0		847	882	918				
						/^						
	CEDAR		118.8	82.2		62 573	350	638				
WHE	MLOCK		49.4	34.2		573	350 8 <b>7</b> 0	638 1,167				
	MLOCK FIR									148	37	16
WHE NOB	MLOCK FIR AL		49.4	34,2		573	870 877	1,167 912		<i>148</i> # OF TREES		<i>16</i> INF. POP.
WHE NOB TOT.	MLOCK FIR		49.4 60.9	34,2	L	573 842	870 877	1,167 912		-		INF. POP.
WHE NOB TOT. CL SD:	MLOCK FIR AL 68.1		49.4 60.9 COEFF	34.2 4.0	I.	573 842 SAMPL	870 877 E TREE	1,167 912 S - CF		# OF TREES	REQ.	INF. POP.
WHE NOB TOTA CL SD: DOUG WR C	MLOCK FIR AL 68.1 1.0 G FIR CEDAR		49,4 60.9 COEFF VAR.% 53.4 103.0	34.2 4.0 S.E.% 3.5 71.3	L	573  842  SAMPL  OW  175  25	870 877 E TREE AVG 182 87	1,167 912 S - CF HIGH 188 149		# OF TREES	REQ.	INF. POP.
WHE NOB TOT. CL SD: DOUG WR C WHE	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK		49.4 60.9 COEFF VAR.% 53.4	34.2 4.0 S.E.% 3.5	L	573  842  SAMPL OW  175	870 877 E TREE AVG 182	1,167 912 S - CF HIGH 188		# OF TREES	REQ.	INF. POP.
WHE NOB  CL SD: DOUG WR C WHE NOB	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3	34.2 4.0 S.E.% 3.5 71.3 19.6	L	573  842  SAMPL  OW  175  25  158	870 877 E TREE AVG 182 87 196	1,167  912  S - CF  HIGH  188  149  234		# OF TREES 5	REO. 10	INF. POP. 15
WHE NOB TOT. CL SD: DOUG WR C	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR		49,4 60.9 COEFF VAR.% 53.4 103.0	34.2 4.0 S.E.% 3.5 71.3	L.	573  842  SAMPL  OW  175  25  158	870 877 E TREE AVG 182 87 196	1,167 912 S - CF HIGH 188 149		# OF TREES 5	REO. 10	INF. POP. 15
WHE NOB TOTAL CL	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF	34.2 4.0 S.E.% 3.5 71.3 19.6 3.5		573  842  SAMPL  OW  175  25  158  175  TREES/	870 877 E TREE AVG 182 87 196 181	1,167 912 S - CF HIGH 188 149 234 187		# OF TREES 5  114  # OF PLOTS	REO. 10 29 REQ.	INF. POP. 15 13 INF. POP.
WHE NOB TOTAL CL SD:	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.%	34.2 4.0 S.E.% 3.5 71.3 19.6 3.5 S.E.%		573  842  SAMPL  OW  175  25  158  175  TREES/OW	870 877 E TREE AVG 182 87 196 181 ACRE AVG	1,167  912  S - CF  HIGH  188  149  234  187  HIGH		# OF TREES 5	REO. 10	INF. POP. 15 13 INF. POP.
WHE NOB TOTAL SD: DOUG	MLOCK FIR  68.1  1.0 G FIR  CEDAR MLOCK FIR  AL  68.1  1.0 G FIR		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2	34.2 4.0 S.E.% 3.5 71.3 19.6 3.5 S.E.% 8.6		573  842  SAMPLOW  175  25  158  175  TREES/OW  67	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79		# OF TREES 5  114  # OF PLOTS	REO. 10 29 REQ.	INF. POP. 15 13 INF. POP.
WHE NOB TOTAL SD: DOUG WR CL SD: DOUG WR CCL SD: DOUG WR CC	MLOCK FIR  68.1  1.0 G FIR CEDAR MLOCK FIR  AL  68.1  1.0 G FIR CEDAR		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6	34.2 4.0 S.E.% 3.5 71.3 19.6 3.5 S.E.% 8.6 71.2		573  842  SAMPLOW  175  25  158  175  TREES/OW  67  1	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3		# OF TREES 5  114  # OF PLOTS	REO. 10 29 REQ.	INF. POP. 15 13 INF. POP.
WHE NOB TOTAL CL SD: DOUG WHE SD: DOUG WR C WHE SD: DOUG WHE C WHE	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2	34.2 4.0 S.E.% 3.5 71.3 19.6 3.5 S.E.% 8.6		573  842  SAMPLOW  175  25  158  175  TREES/OW  67	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79		# OF TREES 5  114  # OF PLOTS	REO. 10 29 REQ.	INF. POP. 15 13 INF. POP.
WHE NOB TOTAL SD: DOUG WR CL SD: DOUG WR C	MLOCK FIR  68.1  1.0 G FIR CEDAR MLOCK FIR  1.0 G FIR CEDAR MLOCK FIR  1.0 G FIR CEDAR MLOCK FIR		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7		573  842  SAMPL  OW  175  25  158  175  TREES/ OW  67  1 0	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3 1		# OF TREES 5  114  # OF PLOTS	REO. 10 29 REQ.	13 INF. POP.
WHE NOB TOT.  CL SD: DOUG WHE NOB TOT.  CL SD: DOUG WHE NOB TOT.  CL SD: DOUG WHE NOB TOT.	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9		573  842  SAMPLOW  175  25  158  175  TREES/OW  67  1  0  69	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3  1  0  83		# OF TREES 5  114 # OF PLOTS 5	29 REQ. 10	13 INF. POP. 15
WHE NOB TOT.  CL SD: DOUGHER NOB TOT.  CL SD: DOUGHER NOB TOT.  CL WHE NOB TOT.  CL CL	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9	L	573  842  SAMPL  OW  175  25  158  175  TREES/ OW  67  1  0 0	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3  1  0  83		# OF TREES 5  114  # OF PLOTS 5	29 REQ. 10	13 INF. POP. 15
WHE NOB TOT.  CL SD: DOUGHER NOB TOT.  CL WHE NOB TOT.  CL SD: CL SD: CCL SD: CCL SD:	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8	L	573  842  SAMPLOW  175  25  158  175  TREES/OW  67  1  0  69  BASAL	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3  1  0  83		# OF TREES 5  114 # OF PLOTS 5	29 REQ. 10  34 REQ.	13 INF. POP. 15
WHE NOB TOT.  CL. SD: DOUG WHE CL. SD: CL. SD: CL. SD: DOUG WHE CL. SD: DOUG WHE CL. SD: DOUG	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 68.1 1.0		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3	L	573  842  SAMPL  OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL  OW	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3	1,167  912  S - CF  HIGH  188  149  234  187  HIGH  79  3 1 0 83  CRE  HIGH		# OF TREES 5  114 # OF PLOTS 5	29 REQ. 10  34 REQ.	13 INF. POP. 15
WHE NOB TOT.  CL SD: DOUG WHE CL SD: CL WHE NOB TOT. CL SD: DOUG WHE CWHE NOB TOT. CL SD: DOUG WHE CWHE SD:	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR AL 68.1 MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3	L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3 3	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4		# OF TREES 5  114 # OF PLOTS 5	29 REQ. 10  34 REQ.	13 INF. POP. 15
WHE NOB TOT.  CL SD: DOUG WHE CL SD: DOUG WHE CL SD: DOUG WHE NOB TOT. CL SD: DOUG WHE NOB	MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR AL 68.1 1.0 G FIR CEDAR MLOCK FIR MLOCK FIR MLOCK FIR MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3  99.9	L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1  0  0	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3 3 1	1,167 912 S - CF HIGH 188 149 234 187  HIGH 79 3 1 0 83  CRE HIGH 215 4 4 2		# OF TREES 5  114  # OF PLOTS 5  135  # OF PLOTS 5	REO. 10  29  REQ. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15 INF. POP. 15
WHE NOB TOTAL CL SD: DOUG WHE C WHE NOB TOTAL CL SD: DOUG WH C CL SD: DOUG WH C CL SD: DOUG WH C CL SD: DOUG WH C C WHE NOB TOTAL CL SD: DOUG WH C C WHE NOB TOTAL CL SD: DOUG WH C C WHE NOB TOTAL CL SD: DOUG WH C C WHE NOB TOTAL CL SD: DOUG WH C C WHE C SD: DOUG WH C C WHE C SD: DOUG WH C C WHE C SD: DOUG WH C C WHE C SD: DOUG WHE C S	MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3 30.9	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3	L	573  842  SAMPL  OW  175  25  158  175  TREES/  OW  67  1  0  69  BASAL  OW  196  1  0  202	870 877 E TREE AVG 182 87 196  181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3 3 1 212	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4		# OF TREES 5  114  # OF PLOTS 5  # OF PLOTS 5	REO. 10  29  REO. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15 INF. POP. 15
WHE NOB TOTA  CL SD: DOUG WHE SD: DOUG WHE NOB TOTA CL SD: DOUG WHE NOB TOTA CL SD: CL CL CL CL CL CL CL	MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR AL  68.1 1.0 G FIR AL  68.1 1.0 G FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3 30.9 COEFF	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3  99.9  4.7	L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1  0  202  NET BF	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3 3 1 212 ACRE	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4 2 2222		# OF TREES 5  114  # OF PLOTS 5  # OF PLOTS 5	REO. 10  29  REO. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15 INF. POP. 15
WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD:	MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3 30.9 COEFF VAR.%	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3  99.9  4.7  S.E.%	L L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1  1  0  202  NET BF OW	870 877 E TREE AVG 182 87 196  181 ACRE AVG 73 2 1 0 76  AREA/A AVG 205 3 3 1 212 ACRE AVG	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4 2 2222 HIGH		# OF TREES 5  114  # OF PLOTS 5  # OF PLOTS 5	REO. 10  29  REO. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15
WHE NOB TOTAL CL SD: DOUG WR CO WHE NOB TOTAL CL SD: DOUG WR CO WHE NOB TOTAL CL SD: DOUG WR CO WHE NOB TOTAL CL SD: DOUG WR CO WHE NOB TOTAL CL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB WR CO	MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR AL		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3 30.9 COEFF VAR.% 34.2	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3  99.9  4.7  S.E.%  5.2	L L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1  1  0  202  NET BF OW  3,917	870 877 E TREE AVG 182 87 196 181 ACRE AVG 73 2 1 0 76 AREA/A AVG 205 3 3 1 212 ACRE AVG	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4 2 222 HIGH 48,687		# OF TREES 5  114  # OF PLOTS 5  # OF PLOTS 5	REO. 10  29  REO. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15 INF. POP. 15
WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WHE NOB TOTAL SD: DOUG WR CO WR C	MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0 G FIR CEDAR MLOCK FIR AL  68.1 1.0		49.4 60.9 COEFF VAR.% 53.4 103.0 28.3 53.5 COEFF VAR.% 57.2 472.6 376.7 663.3 58.2 COEFF VAR.% 31.0 374.0 374.0 663.3 30.9 COEFF VAR.%	34.2  4.0  S.E.%  3.5  71.3  19.6  3.5  S.E.%  8.6  71.2  56.7  99.9  8.8  S.E.%  4.7  56.3  56.3  99.9  4.7  S.E.%	L L	573  842  SAMPL OW  175  25  158  175  TREES/ OW  67  1  0  69  BASAL OW  196  1  1  0  202  NET BF OW	870 877 E TREE AVG 182 87 196  181 ACRE AVG 73 2 1 0 76  AREA/A AVG 205 3 3 1 212 ACRE AVG	1,167 912 S - CF HIGH 188 149 234 187 HIGH 79 3 1 0 83 CRE HIGH 215 4 4 2 2222 HIGH		# OF TREES 5  114  # OF PLOTS 5  # OF PLOTS 5	REO. 10  29  REO. 10  34  REO. 10	13 INF. POP. 15 INF. POP. 15 INF. POP. 15

TC PS	TATS				PROJECT PROJECT		ISTICS NCHDP			PAGE DATE	<b>2</b> 10/14/2019
TWP	RGE	SC	TRACT	TYI	PE	A	CRES	PLOTS	TREES	CuFt	BdFt
04N 04N	06 06W	25 25	00A1 00A2	00M 00M			203.00	44	233	S	W
CL	68.1		COEFF		NET :	BF/ACRE			# OF PLOT	S REQ.	INF. POP
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
тот	AL		35.1	5.3	44,911	47,416	49,920		49	12	5
CL	68.1		COEFF		NET (	CUFT FT/	ACRE		# OF PLOTS F	ŒQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		32.1	4.8	9,324	9,798	10,272				
WR (	CEDAR		419.4	63.2	30	81	132				
WHE	MLOCK		386.7	58.2	53	126	200				
NOB	FIR		663.3	99.9	0	48	95				
TOT	AL		32.4	4.9	9,562	10,053	10,544		42	11	5

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TC PSTNDSUM **Stand Table Summary** Page 1 Date: 10/14/2019 97.00 FRNCHDP Time: 12:53:41PM T04N R06W S25 Ty00MC Project T04N R06W S25 Ty00MC 106.00

203.00 Acres

Grown Year: Tot Average Log Net Net S Totals Trees/ BAI Logs Net Net Tons/ Cu.Ft. Bd.Ft. Sample FF Av Cunits MBF Cu.Ft. Bd.Ft. Tons Spc T DBH Acre Trees 16' Ht Acre Acre Acre Acre Acre 12.5 52.5 1.96 69 289 398 140 59 2.73 5.51 3 87 83 4.134 DF 11 47 174 271 95 35 13.5 50.0 1.34 91 1.82 3.47 12 2 83 2.315 DF 3.57 125 527 725 254 107 77.5 86 106 3.400 3.63 6,80 18.4 14 DF 647 227 95 98 2.967 3.64 5.93 18.8 78.8 3.19 112 467 15 4 86 DF 6,51 24.9 104.0 4.62 162 677 939 329 137 87 106 3.255 4.54 5 16 DF 129 3.462 5.46 9.81 23.8 101.8 6.66 234 998 1,353 475 203 88 17 6 DF 3.601 6.36 9.26 27.7 109.5 7.31 256 1,013 1,483 520 206 7 88 118 18 DF 154 623 891 313 127 1.847 3.64 5.08 30.3 122.7 4.39 19 4 89 122 DF 13.92 2,097 2,826 992 426 20 12 87 130 5.003 10.92 14.59 33.5 143.7 488 DF 3,385 1,188 538 21 14 89 133 5.290 12.72 15.49 37.8 171.2 16.67 585 2,652 DF 1,086 497 40.9 186.8 15.24 535 2,446 3,095 22 13 88 131 4.479 11.82 13.09 DF 2,431 3,046 1,069 494 3.780 10.91 11.34 46.4 214.4 15.01 527 23 12 89 138 DF 5.789 50.9 244.6 25.62 899 4.318 5,200 1,825 877 18,19 17.66 24 20 89 145 DF 2,821 3,445 1,209 573 251.9 16.97 595 11.82 11.20 53.2 25 13 88 147 3.466 DF 2,761 3,396 1,192 560 587 13 87 145 3.205 11.82 10.11 58.1 273.2 16.73 26 DF 2,782 3,445 1,209 565 2.972 11.82 9.15 65.1 304.2 16.97 595 27 13 87 148 DF 1,041 515 10.00 313.9 14.62 513 2,537 2,968 11 87 152 2.339 8.08 63.5 28 DF 4,521 5,344 1,875 918 3.963 18.18 12.88 71.7 351.1 26.32 924 29 20 152 86 DF 383.0 12.15 426 2,127 2,466 865 432 8.18 76.7 9 156 1.666 5.55 30 86 DF 405.6 16.44 577 2,884 3,338 1,171 585 10.91 7.11 81.2 31 12 86 157 2.081 DF 7.75 272 1,334 1,574 552 271 32 85 151 .976 5.45 3,25 83.6 410.0 6 DF 170 .765 4.54 2.91 88.3 457.3 7.31 257 1,329 1,485 521 270 33 5 85 DF 458 5 85 154 .721 4.55 2.60 86.9 440.6 6.43 225 1,144 1,305 232 34 DF 197 1,006 1,140 400 204 35 4 159 .544 3,63 1.90 103.5 528.6 5.62 86 DF 505.8 4.25 149 781 862 303 159 3 85 164 .386 2.73 1.54 96.5 36 DF 560 196 105 705.0 2.76 97 515 37 2 85 157 .244 1.82 .73 132.4 DF 50 287 101 53 107.3 263 38 1 83 166 .116 .91 .46 570.0 1.41 DF 286 100 53 159 .104 .91 .42 118.4 630.0 1.41 49 263 40 1 85 DF 105 126.4 2.60 91 519 528 185 43 2 84 167 .181 1.82 .72 718.8 DF 19,890 9,399 226 73.050 205.46 203.15 48.2 227.9 279.24 9,798 46,302 56,686 Totals 87 131 DF 87 124 .246 .91 .74 57.3 246.7 1.35 42 182 275 86 37 26 1 WH .213 .91 64.8 337.5 1.76 55 287 358 112 58 86 169 .85 28 1 WH .91 .37 78.2 260.0 .93 29 96 188 59 20 30 1 69 116 .185 WH 257 3 137 2.73 1.96 64.5 288.6 4.05 126 566 821 115 WH Totals 81 .644 47 20 8 .23 10 41 .91 1.38 7.2 30.0 RC 11 1 84 45 1.376 17 139 59 20 1 81 78 .416 .91 .83 34.9 100.0 .68 29 83 RC .99 42 188 201 85 38 27 1 88 121 .229 .91 .69 61.3 273.3 RC

Totals

31

Totals

RC

NF

NF

Totals

3

1

1

233

84 60

86

86 154

87 129

154

2.021

.173

.173

2.73

.91

.91

75.888 211.82 208.53

2.90

.52

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28.0

91.7

91.7

48.2

107.8

453.3

453.3

227.4

1.90

1.14

1.14

286.34 10,053

81

48

48

312

236

236

47,416

386

232

232

58,126

164

97

97

20,408

63

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48

9,625

ΤΩ4	N R06W S25	መንፈርር	AC .	97.00	Project: FRNCHDP										Page		1		
	N R06W S2:			06.00		Acres		203.0	00							Date Time		)/14/2 2:53:4	019 10PM
		%					Per	cent of	Net Bo	oard Fo	oot Volu	ıme				Avera	ge Lo	g	Logs
	S So Gr	Net	Bd. F	t. per Acre	;	Total	I	.og Sca	le Dia.			Log Lo	ength		Ln	Dia	Bď	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF	CU														14	11		0.00	7.
DF	2M	80	1.4	37,695	37,165	7,544			40	60	1	1	1	98		16	427	2.13	87.
DF	3M	17	.6	8,142	8,090	1,642		95	į	4	0	2	4	94	39	8	108	0.74	75.
DF	4M	3		1,048	1,048	213	8	92			38	54	4	5	21	6	26	0.37	41.
DF	Totals	98	1.2	46,884	46,302	9,399	0	19	32	49	1	2	2	95	35	11	220	1.34	210.
RC	CU														15	5		0.00	1.
RC	2M	58		183	183	37			25	75				100	40	16	400	2.17	
RC	3M	24		75	75	15		100						100	40	11	180	1.53	
RC	4M	18		54	54	11		100			100				17	7	27	0.45	2.
RC	Totals	1	· ,=	312	312	63		41	15	44	17			83	21	8	73	0.89	4.
															3	29		0.00	
WH	CU	77	2,2	427	418	85			32	68				100		17	455	2.29	
WH WH	2M 3M	73 24	2,2	135	135	27		45	55	vu				100		12	231	1.62	·
WH	3M 4M	3		14	133	3		100			46	54			21	6		0.48	
WH	Totals	1	1.6	575	566	115		13	37	50	1	1		98	33	14	264	1.80	2.
					21-				20	<b>70</b>				100	40	19	620	2.98	
NF	2M	91		215	215 21	44		100	32	68				100	40	9	120		
NF	3M	9		21	-	<del>                                     </del>	-												
NF	Totals	0		236	236	48	<u> </u>	9	29	62				100	40	16	453	2.29	
Tota	ie.		1.2	48,007	47416	9,625	0	19	32	49	1	2	2	95	35	11	218	1.34	217

.

TC PLOGSTVB	Log Stock Table - MBF	
T04N R06W S25 Ty00MC 97.00 T04N R06W S25 Ty00MC 106.00	Project: FRNCHDP Acres 203.00	Page 1 Date 10/14/2019 Time 12:53:40PM

																	1 im	12	:53:40PM
			Log		Def			6	<del></del>					-	<u>eter in</u>		1		
Spp	rt	de	Len	MBF	%	MBF			2-3	4-5	6-7	8-9	10-11	12-13	14-15		20-23	24-29	30-39 40+
DF		2M	16	9			9	.1								9			
DF		2M	18	30			30	.3								15	15		
DF		2M	22	19			19	.2											19
DF		2M	28	23		2	23	.2											23
DF		2M	30	16	38	3.1	10	.1							10				
DF		2M	32	37		:	37	.4								37			
DF		2M	33	27			27	.3									27		
DF		2M	34	26			26	.3								26			
DF		2M	36	50			50	.5								23	27		
DF		2M	40	7,415	1	.4 7,3	13	77.8						881	1526	2701	1659	546	
DF		3M	18	1			1	.0					1						
DF		3M	20	4			4	.0					4	)					
DF		3M	24	15			15	.2					15	5					
DF		3M	28	8			8	.1			5	3							
DF		3M	29	12			12	.1			12								
DF		3M	30	2			2	.0					2	2		,			
DF		3M	32	24		;	24	.3			24								
DF		3M	34	35			35	.4			33	2							
DF		3M	36	37			37	.4			24	7	1	5					
DF		3M	1 38	37			37	.4			3	29	:						
DF		3M	1 40	1,477		1,4	67	15.6			248	430	712	2 6	10	) 16	44		
DF		4M	1 12	20			20	.2			16	4							
DF		4M	14	. 8			8	.1			8	1							
DF		4M	<b>1</b> 16	23			23	.2			17	5							
DF		4M	1 18	10			10	.1			10								
DF		4N	1 20	21			21	.2		6	14	1							
DF		4N	1 22	14			14	.1			14								
DF		4N	1 24	34			34	.4			34								
DF		4N	1 26	32			32	.3			30								
DF		4M	1 28	14			14	.2			14								
DF		4M	1 30	20			20	.2			20								
DF		4N	1 32	2 8			8	.1		4	4		1						
DF		4N	1 40	10			10	.1		7	3								
DF		Total	s	9,517		.2 9,3		97.7		16	534	485	74:			5 2827	1773	546	41
RC		2N	1 40	37			37	58.7						9	<u> </u>	28			
RC		3N	1 40	15			15	24.0					1.	5					

TC PLO	GSTVB					Log S	Stock	Table	- MB	F								
	R06W S25 R06W S25	7.00 6.00	Project: FRNCHDP Acres 203.00									Page Date Time	10/	2 14/2019 53:40P				
s	So Gr	Log	Gross	Def	Net	%			et Vol	ume by	Scaling	Diam	eter in ]	Inches	r			
Spp T		Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	10+
RC	4N	1 16	{	3	8	13.2		Ü		8								
RC	4M	1 20	3	3	3	4.1			3							;		
RC	Total	ls	6.	3	63	.7	***		3	8	15	9		28				
WH	2N	4 40	81	7 2.2	85	73.8						10		43	32			
WH	3N	л 40	27	7	27	23.8				5	8			15				
WH	4N	<i>l</i> 18		1	1	1.1			1			·						
WH	4N	л 24		1	1	1.3			i									
WH	Total	ls	11'	7 1.6	115	1.2			3	5	8	10		58	32			
NF	2N	A 40	4	4	44	91.2								14	30			
NF	3N	л 40		4	4	8.8				4								
NF	Tota	ls	4	8	48	.5				4				14	30			
Total	All Spec	eies	9,74	5 1.2	9,625	100.0		16	539	502	768	906	1546	2927	1834	546	41	

TC PS	<b>FATS</b>					DJECT S ROJECT		STICS ICHDP			PAGE DATE	1 10/14/2019
WP	RGE	SC	TRACT	7	YPE		AC	RES	PLOTS	TREES	CuFt	BdFt
04N	06	25	00A1	0	00MC			97.00	21	111	S	W
	.,,,,, <u>,</u> ,,,			* ^ <del>*</del>		TREES		ESTIMATED TOTAL	.,4	PERCENT SAMPLE		
			PLOTS	TREES		PER PLOT		TREES		TREES		
TOT	ΔΤ		21	111	.,	5.3						
CRU			21	111		5.3		7,635		1.5	Δ	REA
	COUNT										7	17 - 1
REF	OREST											
COU	NT											
BLA	NKS											
100 9	%											
					STA	AND SUMI	MARY				~= 0.00	<b>1</b> TO TO
		S	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET CF/AC
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	
	JG FIR		109	77.8	22.1	124	44.1	207.6 1.9	44,619 393	•	9,491 88	
	CEDAR		1	.5	27.0	121	0.4 0.4	1.9	610		115	-
	EMLOCK		1	.4	28.0	169 125	44.9	211.4	45,622		9.694	
TOT			111	78.7	22.2	123	44.9	211.7	45,022	5 75,100	3,02.	- ,,,,,,,
COì	NFIDENO 68		LIMITS OF T	THE SAMPI T OF 100 T	E HE VOLU	JME WILL	, BE WIT	HIN THE SA	MPLE ERI	ROR	,	
CL	68.1		COEFF			SAMPI	LE TREE	S - BF		# OF TREES		INF. POP.
SD:	1.0		VAR.%	S.E.%	]	LOW	AVG	HIGH		5	10	1:
DOU	JG FIR		69.4	6.6		770	825	880				
WR	CEDAR											
	EMLOCK					776	830	884		188	47	21
TO	ral		68.7	6.5		776						
CL	68.1		COEFF				LE TREE			# OF TREES		INF, POP.
SD:	***		VAR.%	S.E.%	]	LOW	AVG 171	HIGH 181		5	10	1,
	JG FIR		60.2	5.8		162	171	101				
	CEDAR EMLOCK											
	enilock FAL		59.6	5.7		163	172	182		142	35	10
				5.7						# OF PLOTS	SREO	INF. POP.
	68.1		COEFF VAR.%	S.E.%		I KEES LOW	S/ACRE AVG	HIGH		# OF TEOM	10	1:
SD:	1.0 JG FIR		45.7	10.2		70	78	86	"			<u>""</u> "
	CEDAR		458.3	102.4		,,	0	1				
	EMLOCK		458.3	102.4			0	1				
	TAL		44.3	9.9		71	79	86		82	21	9
	68.1		COEFF			BASAI	AREA/	ACRE		# OF PLOT	S REQ.	INF. POP.
SD:			VAR.%	S.E.%		LOW	AVG	HIGH		5	10	1.5
	UG FIR		23.3	5.2		197	208	218				
	CEDAR		458.3	102.4			2	4				
	EMLOCK		458.3	102.4			2	4			_	
TO	TAL		25.5	5.7		199	211	223		27	7	
CL	68.1		COEFF			NET B	F/ACRE			# OF PLOT		INF. POP.
SD:			VAR.%	S.E.%		LOW	AVG	HIGH		5	10	1.
	UG FIR		28.9	6.4		41,294	44,141	46,987				
	CEDAR		458.3	102.4			393	795				
	EMLOCK		458.3	102.4		11.70 (	601	1,217		10	12	
TO	TAL		33.8	7.6		41,724	45,135	48,546		48		
CL	68.1		COEFF				UFT FT/			# OF PLOT		INF. POP.
an	1.0		VAR.%	S.E.%		LOW	AVG	HIGH		5	10	1
SD:												
	UG FIR		25.8 458.3	5.8 102.4		8,945	9,491 88	10,037 178				

TC PST	TATS				PROJECT PROJECT		ISTICS NCHDP			PAGE DATE	<b>2</b> 10/14/2019
TWP 04N	RGE 06	SC 25	TRACT 00A1	TYI 00M		A	CRES 97.00	PLOTS 21	TREES 111	CuFt S	BdFt W
CL SD:	68.1 1.00		COEFF VAR.	S.E.%	NET (	CUFT FT/ AVG	ACRE HIGH		# OF PLOT 5	S REQ. 10	INF. POP 15
WHE TOT	MLOCK AL		458.3 29.7	102.4 6.6	9,050	115 9,694	234 10,339		37	9	4

1 Page **Stand Table Summary** PSTNDSUM TC 10/14/2019 Date: Time: 12:45:31PM FRNCHDP 97.00 Project T04N R06W S25 Ty00MC 97.00 Grown Year: Acres

<u> </u>									<del></del>			1			
S Spc T	DBH	Sample Trees	FF 16'	Țot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Averag Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Totals Cunits	MBF
DF	11	2	86	71	5.772	3.81	5.77	14.8	60.0	2.44	86	346	237	83	34
DF	12	1	83	64	2.425	1.90	2.43	13.4	50.0	.93	33	121	90	32	12
DF	14	1	86	97	1.782	1.90	3.56	17.5	75.0	1.77	62	267	172	60	26
DF	15	4	86	98	6.209	7.62	12.42	18.8	78.8	6.67	234	978	647	227	95
DF	16	2	86	107	2.728	3.81	5.46	25.0	105.0	3.89	136	573	377	132	56
DF	17	4	89	134	4.834	7.62	14.50	23.7	102.5	9.81	344	1,486	952	334	144
DF	18	3	88	115	3.234	5.71	7.55	30.1	117.1	6.48	227	884	629	221	86
DF	19	2	89	118	1.935	3.81	4.84	32.7	136.0	4.51	158	658	437	153	64
DF	20	9	87	132	7.858	17.14	23.57	32.8	140.4	22.03	773	3,309	2,137	750	321
DF	21	5	88	122	3.960	9.52	10.29	38.8	159.2	11.38	399	1,639	1,104	387	159
DF	22	9	88	136	6.494	17.14	19.48	41.8	191.1	23.23		3,723	2,253	791	361
DF	23	4	88	129	2.641	7.62	7.92	43.0	188.3	9.70	340	1,492	941	330	145
DF	24	12	89	142	7.276	22.86	21.22	51.4	242.9	31.06	1,090	5,154	3,013	1,057	500
DF	25	5	88	142	2,794	9.52	8.38	56.8	270.0	13.57	476	2,263	1,316	462	220
DF	26	5	88	129	2.583	9.52	7.23	60.0	273.6	12.36	434	1,979	1,199	421	192
DF	27	6	86	149	2.874	11.43	9.10	63.5	300.0	16.47	578	2,731	1,597	560	265
DF	28	6	87	148	2.673	11.43	8.91	63.9	314.5	16,22	569	2,802	1,574	552	272
DF	29	7	86	145	2.907	13.33	9.14	70.0	343.2			3,135	1,768	620	304
DF	30	3	86	148	1,164	5.71	3.49	80.6	396.7	8.02	281	1,385	778	273	134
DF	31	5	84	147	1.817	9.52	5.45	84.9	402.0	13.18		2,191	1,279	449	213
DF	32	2	82	136	.682	3.81	2.05	80.0	368.3	4.66		754	452	159	
DF	33	1	85	164	.321	1.90	1.28	81.0	417.5	2.96		536	287	101	52
DF	34	3	85	150	,906	5.71	3.02	88.7	454.0	7.64		1,372	741	260	
DF	35	1	85	167	.285	1.90	1.14	95.5	505.0	1		576	301	106	
DF	36	2	84	168	.539	3.81	2.16	96.4	490.0	1		1,056	574	202	
DF	37	1	85	158	.255	1.90	.77	132.4	710.0			543	280	98	
DF	38	1	83	166	.242	1.90	.97	107.3	570.0	1			287	101	
DF	40	1	85	159	.218	1.90	.87	118.4	630.0	1		550	286	100	
DF	43	2	84	167	.378	3.81	1.51	126.4	718.8	5.44		1,086	528	185	
DF	Totals	109	87	124	77.784	207.62	204.48	46.4	215.9			44,141	26,238	9,206	
WH	28	1	86	169	.445	1.90	1.78	64.8	337.5	3.69	115	601	358	112	
WH	Totals	1	86	169	.445	1.90	1.78	64.8	337.5	3.69	115	601	358	112	
RC	27	1	88	121	.479	1.90	1.44	61.3	273.3	2.07	88	393	201	85	
RC	Totals	1	88	121	.479	1.90	1.44	61.3	273.3	2.07	7 88	393	201	85	
Totals		111	87	125	78.709	211.43	207.70	46.7	217.3	276.25	9,694	45,135	26,797	9,404	4,378

	N R06W S25	Ty00N	AC S	97.00		Project:	FRI	NCH	DP							Page Date		/14/2	019
						Acres		97.0	0							Time			0PM
		%					Perc	ent of	Net Bo	ard Fo	ot Volu	me					ige Lo		Logs
	S So Gr	Net	Bd. Ft	. per Acre	;	Total	L	og Sca	le Dia.			Log Le	ngth		Ln			CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
OF .	CU				•										13			0.00	11.
OF .	2M	78	1.1	34,993	34,596	3,356			44	56	1	2	2	96		16	407	2.07	85
)F	3M	19	1.0	8,506	8,425	817		91	2	7	0	4	3	93	39	8	109	0.74	77
OF	4M	3		1,119	1,119	109		100	,		39	55	4	3	21	6	27	0.39	42
DF .	Totals	98	1.1	44,619	44,141	4,282		20	35	46	2	3	2	93	34	11	204	1.29	216
						2.7			25	75				100	40	16	400	2.17	1
RC	2M	97		383	383	37		100	23	13	100			100	20	6	20	0.49	_
RC	4M	3		10	10	1	┞								-				
RC	Totals	1		393	393	38	<u> </u>	2	24	73	2			98	33	12	273	1.84	1
	2M	84	1.7	517	508	49			35	65				100	40	19	570	2.62	
WH WH	2M 3M	13	'./	80	80	8		100	= -					100	40	11	180	1.03	
wn WH	31V1 4M	3		13	13	i		100			100				18	7	30	0.46	
	Totals	1	1,5	610	601	58		16	30	55	2			98	35	14	338	1,88	]

TC PLOGSTVB	Log Stock Table - MBF	
T04N R06W S25 Ty00MC 97.00	Project: FRNCHDP Acres 97.00	Page 1 Date 10/14/2019 Time 12:45:30PM

1	s	So Gr	Log	Gross	Def	Net	%		1	Net Volu	me by					ι		Γ	
рр	T	rt de		MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15		20-23	24-29	30-39	40+
)F	۱	2N	1 16	9		9	.2								9				
)F	ŀ	2N	1 18	15		15	.4									15			
)F		2N	1 22	19		19	.4											19	
)F		2N	1 28	23		23	.5											23	
OF		2N	4 30	16	38.		ł .							10					
<b>DF</b>		2N	1 32	ì		37	l								37	25			
OF		2N				27	1								00	27			
OF		2N	1 36			50	į.						100	(20	23	27	270		
OF		2N	A 40	3,198	1.	0 3,166	73.9						499	630	1170	588	278		
DF		3N	1 18	1		1	.0					1							
DF		3N	A 24	15		15	.4			Ì		15							
DF	İ	3N	A 28	3		3	.1			2	2								
DF		31	A 29	12		12	.3			12									
DF		31	A 30	) 2		2	.1					2							
DF		31	A 32	5		5	.1			5									
DI		3N	A 34	16	i	16	.4	İ		16									
DF	ļ	31	A 30	5 9	ŀ	9	.2			9									
DF		31	√1 38	8	1	8	.2				8								
DF		31	л 40	753	1.	.0 745	17.4			126	221	322	. 6	10	16	44			
DF		41	vi 12	8		8	.2			6	2								
DF		41	и 1	1 5	i	5	.1			4	1								
DF		41	M 10	5 14	ļ	14	.3			10	4								
DF		41	vf 1	3 5	i	5	.1			5					,				
DF		41	M 20	o 11	-	11	.3			10	1								
DF		41	v1 2:	2 7	7	7	.2			7									
DF		41	M 2	1 19	)	19	.4			19									
DF		43	M 2	5 16	5	16	.4			14	2								
DF		41	M 2	8 4	ı	4	.1			4									
DF		41	M 3	) 14	ŀ	14	.3			14									
DF		41	M 3	2 4	ļ	4	.1			4									
DF		41	M 4	0 3	3	3	.1			3									
DF		Tota	als	4,328	3 1.	1 4,282	97.8			268	242	340	505	650	1255	702	278	4	i
RC		21	M 4	0 37	7	37	97.6						9		28				
RC		4	M 2	) 1		]	2.4			1									
RC		Tota	als	38	3	38	.9			1			9		28				
WH		21	M 4	0 50	) 1	.7 49	84.4	1							17	32			

TC PL	.00	GSTVB	,					Log	Stock	Table	- MB	F								
T04N	R	06W S25	Ty00N	AC 9	97.0	00		Proj Acre		FR	NCHDI 97	.00					Page Date Time	10/	2 14/201 45:301	
	s	So Gr	Log	Gross	]	<del></del> Def	Net	%			Net Volu	ıme by	Scalin	g Dian	neter in 1	Inches				
Spp	T	rt de		MBF		%	MBF	Spc	2-3	4-5	6-7	8-9	10-11		14-15	16-19	20-23	24-29	30-39	40+
WH	ľ	3N	4 40		8		8	13.3	····	,			8							
WH	ľ	4N	A 18		I		1	2,2			1									
WH	1	Total	ls	59	9	1.5	58	1.3			1		8			17	32			
Total		All Spec	ies	4,42:	5	1,1	4,378	100.0			270	242	348	514	650	1300	734	278	41	

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TC PST	TATS					JECT S OJECT		STICS CHDP			PAGE DATE	1 10/14/2019
WP	RGE	SC	TRACT		TYPE		AC	RES	PLOTS	TREES	CuFt	BdFt
04N	06	25	00A2		00MC			106.00	23	122	S	W
				······································		TREES		ESTIMATED TOTAL		ERCENT SAMPLE		
		]	PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	L.	·	23	122		5.3						
CRUI DBH	SE COUNT PREST NT NKS		23	122		5.3		7,771		1.6	A	REA
100 7					STA	ND SUMN	1ARY					
		e.	AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOU	G FIR		117	68.7	23.3	137	42,2	203.5	48,957	48,280	10,079	10,079
	MLOCK		2	.8	27.8	121	0.7	3.5	543	533	137	137
	EDAR		2	3.4	13.6	53	0.9	3.5	238	238	75	. 75
NOB			1	.3	31.0	154	0.3	1.7	451	451	91	91
TOT			122	73,3	23.0	133	44.2	212.2	50,189	49,503	10,381	10,381
CI	68	.1	COEFF	T OF 100 T	HE VOLU	ME WILL  SAMPL		HIN THE SAI		OR OF TREES	REO	INF. POP.
CL	68.1			C F 9/	т	SAMPL OW	e ikee: AVG	o - dr HIGH	#	OF TREES	10	15
SD:	1.0		VAR.% 52.8	S.E.% 4.9	l.	890	935	981		<u> </u>	10	1.
	G FIR MLOCK		34.8 24.7	23.1		484	630	776				
WR C	CEDAR		104.5	97.9		2	115	228				
NOB	FIR			21.5		2	11.5	220				
NOB TOT			54.2	4.9		875	920	965		117	29	
			COEFF			875 SAMPL	<i>920</i> E TREE:	965	#	OF TREES	REO.	INF. POP.
тот	AL		COEFF VAR.%	4.9 S.E.%	I	875 SAMPL	920 E TREE: AVG	<i>965</i> <b>S - CF</b> HIGH	#			INF. POP.
CL SD: DOU	68.1 1.0 G FIR		COEFF VAR.% 47.2	4.9 S.E.% 4.4	I	875 SAMPL OW 183	920 E TREE: AVG 191	965 S - CF HIGH 200	#	OF TREES	REO.	INF. POP.
CL SD: DOU	68.1 1.0 G FIR MLOCK		COEFF VAR.% 47.2 6.7	4.9 S.E.% 4.4 6.2	I	875 SAMPL	920 E TREE: AVG 191 164	965 S - CF HIGH 200 174	#	OF TREES	REO.	INF. POP.
CL SD: DOUG WHE WR C	68.1 1.0 G FIR MLOCK CEDAR		COEFF VAR.% 47.2	4.9 S.E.% 4.4	I	875 SAMPL OW 183	920 E TREE: AVG 191	965 S - CF HIGH 200	#	OF TREES	REO.	INF. POP.
CL SD: DOU WHE WR O NOB	68.1 1.0 G FIR MLOCK CEDAR FIR		COEFF VAR.% 47.2 6.7 115.1	S.E.% 4.4 6.2 107.8	L	875 SAMPL OW 183 154	920 E TREE: AVG 191 164 39	965 S - CF HIGH 200 174 80	#	OF TREES 5	REO. 10	INF. POP.
CL SD: DOUWHE WR C NOB	68.1 1.0 G FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1	4.9 S.E.% 4.4 6.2	I	875 SAMPL OW 183 154	920 E TREE AVG 191 164 39 189	965 S - CF HIGH 200 174		OF TREES 5	REO. 10	INF. POP. 15
CL SD: DOU! WHE WR C NOB TOT.	68.1 1.0 G FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF	S.E.% 4.4 6.2 107.8 4.4		875  SAMPL OW 183 154  181  TREES/	920 E TREE AVG 191 164 39 189	965 S - CF HIGH 200 174 80		93 FOF PLOTS	REQ. 10 23 REQ.	INF. POP.
CL SD: OCL SD:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.%	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.%		875  SAMPL OW 183 154  181  TREES/	920 E TREE AVG 191 164 39 189 ACRE AVG	965 S - CF HIGH 200 174 80 197		OF TREES 5	REO. 10	INF. POP.
CL SD: OOU CL SD: DOU	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.%		875  SAMPL  OW  183  154  181  TREES/  OW  59	920 E TREE AVG 191 164 39 189	965 S - CF HIGH 200 174 80		93 FOF PLOTS	REQ. 10 23 REQ.	INF. POP.
CL SD: NOB TOT: CL SD: DOU WHE	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4		875  SAMPL OW 183 154  181  TREES/	920 E TREE AVG 191 164 39 189 ACRE AVG 69	965 S - CF HIGH 200 174 80 197 HIGH 79		93 FOF PLOTS	REQ. 10 23 REQ.	INF. POP.
CL SD: NOB TOT: CL SD: DOU WHE WR CO WHE WR CO WHE WR CO WHE WR CO WHE WR CO WHE WR CO WHE SD: CL SD	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9		875  SAMPL  OW  183 154  181  TREES/  OW  59 0	920 E TREE AVG 191 164 39 189 ACRE AVG 69 1	965 S - CF HIGH 200 174 80 197 HIGH 79 1		93 FOF PLOTS	REQ. 10 23 REQ.	INF. POP.
CL SD: NOB TOT: CL SD: DOU WHE	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4		875  SAMPL  OW  183 154  181  TREES/  OW  59 0	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6		93 FOF PLOTS	REQ. 10 23 REQ.	INF. POP. 15 16 INF. POP. 15
CL SD: DOU WHE SD: DOU WHE SD: DOU WHE TOT	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2		875  SAMPL  OW  183 154  181  TREES/  OW  59 0 1 62	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84	ħ	93 FOF PLOTS 5	23 REQ. 10	INF. POP. 15 16 INF. POP. 15
CL SD: DOUWHE SD: DOUWHE SD: DOUWHE SD: DOUWHE WR C NOB TOT CL NOB TOT CL	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF	4.9 S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1	L	875  SAMPL  OW  183 154   181  TREES/  OW  59 0 1 62  BASAL	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84	ħ	93 FOF PLOTS 5  209 FOF PLOTS	23 REQ. 10	INF. POP. 15  INF. POP. 15  INF. POP. 23
CL SD: DOUWHE WR C NOB TOT. CL NOB TOT. CL SD: CL S	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 68.1		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2	L	875  SAMPL  OW  183 154  181  TREES/  OW  59 0 1 62	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84	ħ	93 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO.	INF. POP. 15  INF. POP. 15  INF. POP. 23
CL SD: DOUWHE WR C NOB TOT. CL SD: DOU WHE DOUWHE UR C NOB TOT. CL SD: DOUWHE SD: DOUWHE SD: DOUWHE SD:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR AL 68.1 1.0		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.%	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1 S.E.%	L	875  SAMPL  OW  183  154   TREES/  OW  59  0  1  62  BASAL  OW	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CCRE HIGH	ħ	93 FOF PLOTS 5  209 FOF PLOTS	REO. 10  23  REO. 10  52  REO.	INF. POP. 15  INF. POP. 15  INF. POP. 23
CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 68.1		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.%	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1 S.E.% 8.0	L	875  SAMPL  OW  183  154   181  TREES/  OW  59  0  1  62  BASAL  OW  187	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CCRE HIGH 220	ħ	93 FOF PLOTS 5  209 FOF PLOTS	REO. 10  23  REO. 10  52  REO.	160 INF. POP. 150 INF. POP. 150 INF. POP. 150 INF. POP.
CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1 S.E.% 8.0 70.6	L	875  SAMPL  OW  183  154   TREES/  OW  59  0  1  62  BASAL  OW  187  1	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6	ħ	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	INF. POP.  15  10  INF. POP.  15  15
CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT: CL SD: DOUWHE WR CONOB TOT:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR CMLOCK CEDAR FIR AL FIR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3	S.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1 S.E.% 8.0 70.6 70.6	L	875  SAMPL  OW  183  154   TREES/  OW  59  0  1  62  BASAL  OW  187  1	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6 6	ħ	93 FOF PLOTS 5  209 FOF PLOTS	REO. 10  23  REO. 10  52  REO.	INF. POP.  15  10  INF. POP.  15  15
CL SD: DOUWHE WR CONOB TOT. CL SD: DOUWHE WR CONOB TOT. CL SD: DOUWHE WR CONOB TOT.	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR CMLOCK CEDAR FIR AL FIR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3 331.3 479.6	4.9  S.E.%  4.4  6.2  107.8  4.4  S.E.%  14.6  71.4  80.9  102.2  15.1  S.E.%  8.0  70.6  70.6  102.2	L	875  SAMPL OW 183 154  181  TREES/ OW 59 0 1 62  BASAL OW 187 1	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3 2 212	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6 6 4	<i>†</i>	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	100 INF. POP. 15
CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3 479.6 35.7	4.9  S.E.%  4.4  6.2  107.8  4.4  S.E.%  14.6  71.4  80.9  102.2  15.1  S.E.%  8.0  70.6  70.6  102.2	1	875  SAMPL  OW  183 154   181  TREES/  OW  59 0 1 62  BASAL  OW  187 1 1 196	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3 2 212	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6 6 4	<i>†</i>	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	10 INF. POP. 15 INF. POP. 15
CL SD: DOUWHE WR C NOB TOT CL SD: DOUWHE WR C NOB TOT CL SD: CL SD: CL SD: CL SD: CL SD: CL SD: CL SD: CL SD: CL SD: CL SD: CL SD:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1,0 G FIR MLOCK CEDAR FIR AL 68.1 1,0 G FIR MLOCK CEDAR FIR AL 68.1		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3 479.6 35.7	8.E.% 4.4 6.2 107.8 4.4 S.E.% 14.6 71.4 80.9 102.2 15.1 S.E.% 8.0 70.6 70.6 102.2 7.6	1	875  SAMPL  OW  183  154   TREES/  OW  59  0  1  62  BASAL  OW  187  1  1  196  NET BF	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3 2 212	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CCRE HIGH 220 6 6 4 228	<i>†</i>	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	INF. POP.  15  16  INF. POP.  15  INF. POP.  15
CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU DOU DOU	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3 331.3 479.6 35.7 COEFF VAR.%	4.9  S.E.%  4.4 6.2 107.8  4.4  S.E.% 14.6 71.4 80.9 102.2 15.1  S.E.% 8.0 70.6 70.6 102.2 7.6  S.E.%	1	875  SAMPL  OW  183  154   TREES/  OW  59  0  1  62  BASAL  OW  187  1  1  196  NET BF	920 E TREE: AVG 191 164 39  189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3 2 212 VACRE AVG 48,280 533	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6 6 4 228 HIGH 52,178 929	<i>†</i>	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	100 INF. POP. 15
CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD: DOU WHE WR C NOB TOT CL SD:	68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR MLOCK CEDAR FIR AL 68.1 1.0 G FIR		COEFF VAR.% 47.2 6.7 115.1 48.1 COEFF VAR.% 68.5 335.0 379.8 479.6 70.8 COEFF VAR.% 37.4 331.3 479.6 35.7 COEFF VAR.%	4.9  S.E.%  4.4  6.2  107.8  4.4  S.E.%  14.6  71.4  80.9  102.2  15.1  S.E.%  8.0  70.6  70.6  102.2  7.6  S.E.%  8.1	1	875  SAMPL OW 183 154  181  TREES/ OW 59 0 1 62  BASAL OW 187 1 1 196  NET BF	920 E TREE: AVG 191 164 39 189 ACRE AVG 69 1 3 0 73 AREA/A AVG 203 3 3 2 212 VACRE AVG 48,280	965 S - CF HIGH 200 174 80 197 HIGH 79 1 6 1 84 CRE HIGH 220 6 4 228 HIGH 52,178	<i>†</i>	93 FOF PLOTS 5  209 FOF PLOTS 5	REO. 10  23  REO. 10  52  REO. 10	100 INF. POP. 15

TC PST	TATS				PROJEC PROJEC		ISTICS NCHDP			PAGE DATE	<b>2</b> 10/14/2019
ГWР	RGE	SC	TRACT	TYP	E	A	CRES	PLOTS	TREES	CuFt	BdFt
04N	06	25	00A2	00MC	2		106.00	23	122	S	W
CL	68.1	<del></del>	COEFF		NET	BF/ACRE			# OF PLOT	S REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
тот	<b>A</b> L		36.1	7.7	45,694	49,503	53,312		54	14	6
CL	68.1		COEFF	"	NET	CUFT FT	ACRE		# OF PLOTS I	ŒQ.	INF, POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		36,9	7.9	9,287	10,079	10,870				
WHE	MLOCK		337.7	71.9	38	137	235				
WR (	EDAR		373.0	79.5	15	75	134				
NOB	FIR		479.6	102.2		91	185				
TOT	AL		34.8	7.4	9,613	10,381	11,150		50	13	6

TC PSTNDSUM	Stand Table Summary	Page 1 Date: 10/14/2019	
T04N R06W S25 Ty00MC 106.00	Project FRNCHDP	Time: 12:48:29PM	
	Acres 106.00	Grown Year:	

							Acres		106.0	0			Grown Yea	r:	
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Averag Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Totals Cunits	мвғ
DF	11	1	89	107	2.635	1.74	5.27	10.1	45.0	1.52	53	237	162	57	25
DF	12	1	82	119	2.214	1.74	4.43	13.5	50.0	1.71	60	221	181	64	23
DF	14	3	86	109	4.881	5.22	9.76	18.8	78.3	5.22	183	765	553	194	81
DF	16	3	88	105	3.737	5.22	7.47	24.9	103.3	5.30	186	772	562	197	82
DF	17	2	87	120	2.207	3.48	5.52	24.1	100.0	3,78	133	552	401	141	58
DF	18	4	88	120	3.937	6.96	10.83	26.1	104.5	8.06	283	1,132	854	300	120
DF	19	2	89	126	1.767	3.48	5.30	28.3	111.7	4.28	150	592	453	159	63
DF	20	3	89	124	2.391	5.22	6.38	35.8	155.0	6.50	228	988	689	242	105
DF	21	9	89	139	6.507	15.65	20.25	37.3	176.8	21.52	755	3,579	2,281	800	379
DF	22	4	89	120	2.635	6.96	7.25	38.4	176.4	7.94	278	1,278	841	295	135
DF	23	8	89	143	4.822	13.91	14.47	48.2	227.5	19.87	697	3,291	2,106	739	349
DF	24	8	90	150	4.429	13.91	14.39	50.3	246.9	20.63	724	3,554	2,187	767	377
DF	25	8	88	150	4.081	13.91	13.77	51.1	241.9	20.08	705	3,331	2,128	747	353 368
DF	26	8	87	155	3.774	13.91	12.74	57.1	273.0	20.72	727	3,476	2,197	771 648	300
DF	27	7	87	148	3.062	12.17	9.19	66.6	308.1	17.43	612	2,830	1,847	489	243
DF	28	5	86		2.034	8.70	7.32	63.0	313.3	13.15	462	2,294 5,790	1,394 3,576	1,255	614
DF	29	13	86		4.929	22.61	16.30	72.6	355.1	33.73 15.92	1,184 559	2,806	1,688	592	297
DF	30	6	86		2.126	10.43	7.44	75.1 79.0	377.1 407.7	19.43	682	3,517	2,059	723	373
DF	31	7	87		2.323	12.17	8.63	85.2	407.7	19.43	371	1,865	1,122	394	198
DF	32	4	86	158	1.246	6.96	4.36 4.39	90.2	468.0	11.30	396	2,055	1,122	420	218
DF	33	4	85	172	1.171	6.96 3.48	2,21	90.2 84.6	423.7	5.32	187	935	564	198	99
DF	34 35	2 3	86 86	160 156	.552 .781	5.22	2.60	106.7	538.0	7.92	278	1,400	839	294	148
DF		3 1	88	155	.246	1.74	.98	96.8	537.5	2.71	95	529	288	101	56
DF	36 37	1		156	.233	1.74	.70	132.4	700.0	2.64	93	489	280	98	52
DF	Totals	117	88	137	68,718	203.48		49.9	239.1		10,079	48,280	30,448	10,684	5,118
DF								57.3	246.7	2.59	81	349	275	86	37
WH WH	26 30	1 1	87 69		.472 .354	1.74 1.74	1.42 .71	78.2	260.0	1.77	55	184	188	59	20
WH	Totals	2	79	121	.826	3,48	2.12	64.3	251.1	4.37	137	533	463	145	57
	31	1	86	-	.332	1,74	1.00	91.7	453.3	2.19	91	451	232	97	48
NF									453.3	2.19	91	451	232	97	48
NF	Totals	1	86	154	.332	1.74	1.00	91.7							8
RC	11	1	84	45	2.635	1.74	2.64	7.2	30.0	.44	19	79	47	20 59	8 17
RC	20	1	81	78	.797	1.74	1.59	34.9	100.0	1.31	56	159	139		
RC	Totals	2	83	53	3.432	3.48	4.23	17.6	56.4	1.75	75	238	186	79	25
Totals		122	87	133	73.308	212.17	209.28	49.6	236.5	295.56	10,381	49,503	31,329	11,004	5,247

TC	PSPCSTGR	- "	$\mathbf{S}_{\mathrm{J}}$	pecies,	Sort G	rade - Boar	d Fo	ot Vo	olum	es (P	roject	t)							
Т0-	4N R06W S25	5 Ty00N	MC I	06.00		Project: Acres		NCH 106.0								Page Date Time	10	1 0/14/2 2:48:2	
1		%				1	Der	rent of	Net Bo	pard E	oot Volu	ime				Avera	oe Lo	ıσ	Logs
	S So Gr	Net	Bd. Fr	t. per Acre		Total			ile Dia		1	Log L	enoth		Ln		_	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF			12-16		12-20	21-30		36-99	Ft	In	Ft	Lf	/Acre
- 1.	CI I								12 10	1,,,	12 20	21 30	J. J.J	00 77	20			0.00	2.9
DF DF	CU 2M	81	1.6	40,167	39,515	4,189			36	64	0		1	99		16	445	2.18	88.8
DF	3M	16	.3	7,808	7,783	825	İ	100	50	01	1	1	5	94	39	8	107	0.74	73.0
DF	4M	3		982	982	104	16	84			37	52	4	7	21	6	24	0.35	40.1
	Totals	98	1.4	48,957	48,280	5,118	0	18	30	52	1	1	1	96	35	11	236	1,39	204.9
					· · ·														
WH	CU					1									3	29		0.00	.4
WH	2M	62	2.7	344	335	35			28	72				100	40	15	355	2.00	.9
WH	3M	35		184	184	20		23	77					100	40	13	260	1.96	.7
WH	4M	3		14	14	1		100				100			24	6	30	0.49	.5
WH	Totals	1	1.7	543	533	57		11	44	45		3		97	32	15	215	1.74	2.5
RC	CU														15	5		0.00	2.6
RC	3M	60		143	143	15		100						100	1	11	180		.8
RC	4M	40		95	95	10		100			100				17	8	28	0.44	3.4
RC	Totals	0		238	238	25		100			40			60	19	7	35	0.58	6.9
NF NF	2M 3M	91 9		411 40	411 40	44 4		100	32	68				100 100	40 40	19 9	620 120	2.98 0.92	.7 .3
NF	Totals	1		451	451	48		9	29	62				100	40	16	453	2.29	1.0
Tota	Is		1.4	50,189	49,503	5,247	0	18	30	52	1	1	1	96	35	11	230	1.38	215.2

TC PLOGSTVB	Log Stock Table - MBF	
T04N R06W S25 Ty00MC 106.00	Project: FRNCHDP Acres 106.00	Page 1 Date 10/14/2019 Time 12:48:28PM

s	So Gr	Log	Gross	Def	Net	% Net Volume by Scaling Diameter in Inches												
Ѕрр Т				%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	-		16-19	20-23	24-29	30-39	40+
DF	2N	<b>4</b> 1:	3 1:	5	15	.3								15				
DF	2N	4 3	1 2	5	26	.5								26				
DF	21	1 4	4,21	7 1.6	4,148	81.0						382	896	1531	1071	268		
DF	31\	1 20	) .	ļ	4	.1					4			·				
DF	3N	1 2	3	3	5	1.			4	2								
DF	3N	1 3:	2 1	3	18	.4			18									
DF	3N	4 3	1 19	•	19	.4			17	2								
DF	3N	1 3	5 2	3	28	.5			16	7	5							
DF	3N	4 3	3 2	3	28	.6			3	21	5							
DF	3N	1 4	72	5	722	14.1			122	209	390							
DF	4N	4 I	2 1:	2	12	.2			10	1							ł	
DF	4N	/ 1·	4 .	ŧ	4	,1			4									
DF	4N	1 1	5	)	9	.2			8	1								
DF	4N	1 1	3	5	5	.1			5									
DF	4N	1 2	11	)	10	.2		6	4									
DF	4N	1 2	2	7	7	.1			7									
DF	4N	1 2	1.	3	15	.3			15									
DF	4N	1 2	5 1	5	16	.3			16									
DF	4N	1 2	3 1	L	11	.2			11									
DF	4N	1 3	) ·	5	6	.1			6									
DF	4N	1 3	2 .	ļ	4	.1		4										
DF	4N	1 4		7	7	.1		7										
DF	Tota	İs	5,18	1.4	5,118	97.5		16	265	243	404	382	896	1572	1071	268		
WH	2N	1 4	3	5 2.7	35	62.8						10		25				
WH	3N	1 40	2	)	20	34,5				5				15				
WH	4N	1 24			1	2.7			1									
WH	Tota	ls	5	3 1.7	57	1.1			1	5		10		41				
RC	31	4 4	1:	5	15	60.2					15							
RC	41	4 16	5	3	8	33.1				8								
RC	41\	1 2		2	2	6.7			2									
RC	Tota		2:	5	25	.5			2	8	15							
NF	2N	1 4	) 4		44	91.2								14	30			
NF	3N	1 40	)	ļ	4	8.8				4								

TC PLO	OG:	STVB					Log	Stock	Table	- MB	F								
T04N I	R0e	6W S25	Ty001	MC 10	6.00		Proj Acre		FRI	NCHDI 106	_					Page Date Time	10	2 /14/20 :48:28	
Spp T	. 1 `	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	2-3	<u>r</u> 4-5	Vet Volu	<u>ume by</u> 8-9	Scalin		14-15		20-23	24-29	30-39	40+
NF	$\dagger$	Tota	ls	48		48	.9				4				14	30			
Total		All Spec	ies	5,320	1.4	5,247	100.0		16	268	260	420	392	896	1627	1100	268		

### **VOLUME SUMMARY**

(Volumes in MBF)
French Dip
FG-341-2020-W00230-01

#### November 2019

### AREA 1: MC (97 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	3,356	817	109	4,282
Douglas fir	Hidden D&B (2%)	(67)	(16)	(2)	(85)
Douglas-fir	NET TOTAL	3,289	801	107	4,197
	% of Total	78	19	3	
	Cruise Volume	49	8	1	58
Western	Hidden D&B (2%)	(1)	(0)	(0)	(1)
hemlock	NET TOTAL	48	8	1	57
	% of Total	84	14	2	

# **AREA 2: MC (106 ACRES)**

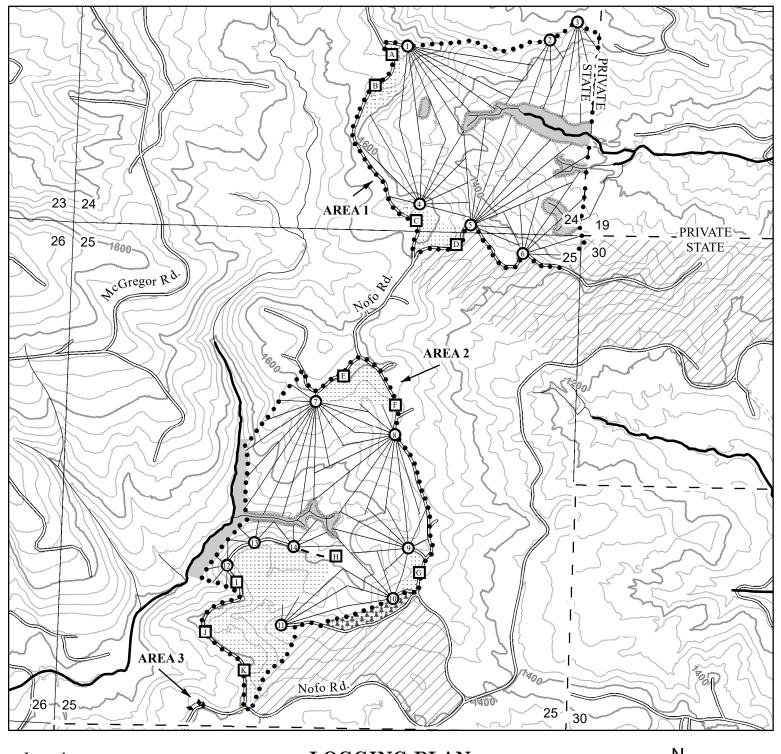
SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	4,189	825	104	5,118
Douglas-fir	Hidden D&B (2%)	(84)	(17)	(2)	(103)
Douglas-III	NET TOTAL	4,105	808	102	5,015
	% of Total	82	16	2	
	Cruise Volume	35	20	1	56
Western	Hidden D&B (2%)	(1)	(0)	(0)	(1)
hemlock	NET TOTAL	34	20	1	55
	% of Total	62	36	2	
	Cruise Volume	44	4	0	48
Noble fir	Hidden D&B (2%)	(1)	(0)	(0)	(1)
Noble III	NET TOTAL	43	4	0	47
	% of Total	91	9	0	

### AREA 3: R/W (2 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	18	4	1	23
Dougles fir	Hidden D&B (2%)	(0)	(0)	(0)	(0)
Douglas-fir	NET TOTAL	18	4	1	23
	% of Total	78	17	5	

# **SALE TOTAL**

SPECIES	2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	7,412	1,613	210	9,235
Western hemlock	82	28	2	112
Noble fir	43	4	0	47
Total	7,537	1,645	212	9,394



#### Legend

- • Timber Sale Boundary
- → Right of Way Boundary ODF Ownership Boundary
- Surfaced Road
- = = = Unsurfaced Road
- New Road Construction Cable Yarding Area
- Tractor Yarding Area
- O Cable Landing
- Tractor Landing
- Type-F Stream
- Type-N Stream Stream Buffer
- Green Tree Retention
- Reforestation Area Section Line
- 40 Foot Contour Band 200 Foot Contour Band

# LOGGING PLAN

FOR TIMBER SALE CONTRACT FG-341-2020-W00230-01 FRENCH DIP PORTIONS OF SECTIONS 21, 24, 25, 28 & 30, T4N, R6W, W.M.,

CLATSOP COUNTY, OREGON

Forest Grove District GIS November, 2019

This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

1:12,000

1 inch = 1,000 feet

0	250 500	1,000	1,500	2,000
				Feet

#### APPROXIMATE NET ACRES

	TRACTOR	CABLE
AREA 1	6	91
AREA 2	30	76
AREA 3	2	0
TOTAL	38	167