

Sale AT-341-2021-W00832-01

District: Astoria

Date: May 29, 2020

Cost Summary

	Conifer	Hardwood	Total	
Gross Timber Sale Value	\$1,384,926.46	\$17,817.84	\$1,402,744.30	
		Project Work:	(\$3,750.00)	
		Advertised Value:	\$1,398,994.30	



Sale AT-341-2021-W00832-01

District: Astoria Date: May 29, 2020

Timber Description

Location: Portions of Sections 23 and 24 of T4N, R9W, W.M., Clatsop County, Oregon.

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	26	0	97
Western Hemlock / Fir	17	0	95
Sitka Spruce	18	0	95
Alder (Red)	15	0	97

Volume by Grade	28	3S & 4S 6"- 11"	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	2,875	401	0	О	o	o	3,276
Western Hemlock / Fir	49	61	0	o	o	o	110
Sitka Spruce	63	26	0	0	0	0	89
Alder (Red)	О	0	14	28	5	26	73
Total	2,987	488	14	28	5	26	3,548

Comments: Pond Values Used: Local Pond Values, April, 2020.

Expected Log Markets: Mist, Willamina, Banks, North Plains, Clatskanie, Tillamook, Wauna, Forest Grove, Warrenton, Eugene, Monroe, Notí, Longview, WA, Elma, WA, Chehalis, WA, and Vancouver, WA.

PRICING:

Slash Piling (See attached appraisal. Includes move-in and pile materials) = \$9,271.33

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

Machine Washing for Invasive Weed Compliance = \$2,000

Line Pull (3 Acres): \$20/MBF x 42 MBF/acre x 3 acres = \$2,520

Controlled Felling (1.25 Acres): \$20/MBF x 42 MBF/acre x 1.25 acres = \$1,050

Ditch Filters: Bales of straw = 8 @ \$12.06/bale = \$96.48 3 hours of labor @ \$45/hr = \$135

TOTAL Other Costs (with Profit & Risk to be added): \$5,801.48

Other Costs (No Profit & Risk added): None.

ROAD MAINTENANCE (See attached Road Maintenance Cost Summary Sheet) TOTAL Road Maintenance: \$19,595/3,548 MBF = \$5.52/MBF



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Logging Conditions

Combination#: 1

Douglas - Fir

52.00%

Western Hemlock / Fir

52.00%

Sitka Spruce Alder (Red)

52.00% 52.00%

Logging System:

Cable: Medium Tower >40 - <70

Process: Manual Falling/Delimbing

Process: Feller Buncher

yarding distance:

Medium (800 ft)

downhill yarding: No

tree size:

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

loads / day:

cost / mbf: \$139.53 bd. ft / load: 4300

machines: Log Loader (A)

Tower Yarder (Medium)

Combination#: 2

Douglas - Fir

48.00%

Western Hemlock / Fir

48.00%

Sitka Spruce

48.00%

Alder (Red)

48.00%

Logging System: Shovel

Medium (800 ft)

downhill yarding: No

yarding distance: tree size:

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

bd. ft / load: 4250

loads / day:

cost / mbf: \$75.68

machines: Feller Buncher w/ Delimber

6/12/20



Sale AT-341-2021-W00832-01

Date: May 29, 2020

Logging Costs

Operating Seasons: 2.00

Profit Risk: 10%

Project Costs: \$3,750.00

District: Astoria

Other Costs (P/R): \$5,801.48

Slash Disposal: \$9,271.33

Other Costs: \$0.00

Miles of Road

Road Maintenance:

\$5.52

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	2.0	4.3	
Western Hemlock / Fir	\$0.00	2.0	4.0	
Sitka Spruce	\$0.00	2.0	5.0	
Alder (Red)	\$0.00	2.0	3.1	

6/12/20



Sale AT-341-2021-W00832-01

Date: May 29, 2020

District: Astoria

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - I	Fir								
\$108.88	\$5.69	\$2.47	\$113.78	\$1.64	\$23.25	\$2.61	\$2.00	\$0.00	\$260.32
Western H	emlock /	Fir							
\$108.88	\$5.80	\$2.47	\$124.69	\$1.64	\$24.35	\$2.61	\$2.00	\$0.00	\$272.44
Sitka Spru	ce								
\$108.88	\$5.80	\$2.47	\$99.75	\$1.64	\$21.85	\$2.61	\$2.00	\$0.00	\$245.00
Alder (Red)								
\$108.88	\$5.69	\$2.47	\$157.83	\$1.64	\$27.65	\$2.61	\$2.00	\$0.00	\$308.77

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$668.59	\$408.27	\$0.00
Western Hemlock / Fir	\$0.00	\$530.14	\$257.70	\$0.00
Sitka Spruce	\$0.00	\$459.46	\$214.46	\$0.00
Alder (Red)	\$0.00	\$552.85	\$244.08	\$0.00



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District: Astoria Date: May 29, 2020

Summary

Amortized

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

Unamortized

Specie	cie MBF		Total	
Douglas - Fir	3,276	\$408.27	\$1,337,492.52	
Western Hemlock / Fir	110	\$257.70	\$28,347.00	
Sitka Spruce	89	\$214.46	\$19,086.94	
Alder (Red)	73	\$244.08	\$17,817.84	

Gross Timber Sale Value

Recovery: \$1,402,744.30

Prepared By: Justin Bush Phone: 503-325-5451

Road Maintenance Cost Summary (Interim and Post Harvest)

Sally Ridge May 28, 2020 Justin Bush 3,548.00 Sale: MBF: \$\$/MBF: Date: \$5.52

By:

Туре	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost	
	Grader 14G	\$875	1	8	\$113	\$1,779	
Interim	Dump Truck 12CY	\$184	1	4	\$89	\$540	
Operations	Vibratory Roller	\$875	1	8	\$87	\$1,571	
	Rubber Tired Backhoe-small	\$361	1	4	\$87	\$709	
	Grader 14G Dump Truck 12CY	\$875 \$184	1 2	32 16	\$113 \$89	\$4,491 \$1,792	
Service Control	FE Loader C966	\$875	1	8	\$94	\$1,627	
Final Road	Vibratory Roller	\$875	1	32	\$87	\$3,659	
Maintenance	Water Truck 2,500 gallon	\$214	1	16	\$101	\$1,830	
	Rubber Tired Backhoe-small	\$361	1	8	\$87	\$1,057	
	Labor	100	3.3	8	\$45	\$360	
	Labor (Sweep rocks off highway)			4	\$45	\$180	
Total							\$19,595

Interim Operations Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	2.5	2.0	0.8	8

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	4.8	3.2	32
Vibratory Roller	1.5	4.8	3.2	32

Suess Alley Road = 1.5 miles	
Cole Mountain Ridge Road = 0.3 miles	
Cole Mountain Road = 1.2 miles	
West Sally Ridge Road = 0.5 miles	
Tie-Through = 0.3 miles	
Sally Creek Road = 0.9 miles	
In-unit Spur = 0.1 miles	
Grade & Process Total = 4.8 Miles	

			Site Prep App	raisai			
			Vegetation Type/Zone	Vegetation Type/Zone Code	Production Rate (hr/ac)	Estimated Piles/Acre	Landing Production Rate (hrs/30 acres)
Sale Number	: AT-341-2021-W	/00832-01	Doug-fir	А	0.5	0.5	(
Sale Name	: Sally Ridge		Hemlock/Fir	В	1.3	4.5	8
Date	: 05/28/2020		Hemlock/Spruce	С	1.8	6.0	10
			Hemlock	D	1.8	6.0	3
			Conifer/Hardwood	E	1.0	2.0	8
			Whole Tree Yarding	F	0.5	0.5	12
Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area	
1	MC	E	40	40	\$145.00	\$5,800.00	
					In-unit Piling	Sub Total =	\$5,800.00
Sale Area	Number of Landings to be Piled	# cable acres	Total Cost/Area	Number of In- Unit Piles	Material Cost/Pile	Total Cost/Area	
1	16	44	\$1,701.33	96	\$5.00	\$480.00	
Cost includes se	eparating firewood	r			Materials	Sub Total =	\$480.00
					Landing Piling	Sub Total =	\$1,701.33
Addito Move-In Allowance	nal Move-in allo Number of Move-In's	wance Total Move-In Allowance					7.11.00
\$1,290.00	1	\$1,290.00					
Slash Endhaul					Move-In	Sub Total =	\$1,290.00
Dump Truck hrs	Cost/Hour	Total	Loader hrs	Cost/Hour	Total		
	\$89.00	\$0.00	0	\$145.00	\$0.00	Sub Total =	\$0.00

Sally Ridge Project No 1 - Stream Enhancement

Location	Sites	Number of trees	Placement method	\$/tree	Cost per Site
SE1-SE2	5	6	Cable Placement	\$125.00	\$3,750.00

Project Total \$3,750

	4		

Sally Ridge TIMBER CRUISE REPORT FY 2020

1. Sale Area Location: Portions of Sections 23 and 24 of T4N, R9W, W.M., Clatsop County, OR.

2. Fund Distribution: BOF 100% Tax Code: 10-04 (100%)

Sale Acreage:

Harvest Type	Gross Acres	Stream Buffer Acres	Existing R/W Acres	Green Tree Retention Area	Net	Survey Method
Modified Clearcut	99	9	5	1	84	GIS

4. Cruisers and Cruise Dates: Avery Petersen, John Choate, Justin Bush, and Michele Huffman (5/15/2020 - 5/19/2020)

5. Cruise Method and Computation:

The Sally Ridge Timber Sale was stratified and variable plot cruised in two separate cruises, and then combined for final sale volumes.

<u>Tract 1A</u> was variable plot cruised with a 33.61 BAF. A total of 60 plots were sampled on a 2 by 6 chain spacing. The planned count to grade ratio was 2:1, resulting in 37 count plots and 23 grade plots*.

<u>Tract 1B</u> was variable plot cruised with a 40 BAF. A total of 32 plots were sampled on a 1.5 by 6 chain spacing. The planned count to grade ratio was 1:1, resulting in 17 count plots and 15 grade plots.

(*The reported numbers of cruise and grade plots vary from the those indicated in the SuperACE reports for both the combined Project Statistics and the 1A_TAKE Statistics due to measuring a minor conifer species on one count plot.)

Data was collected on Allegro 2 data collectors and downloaded to the Atterbury SuperACE 2008 program for computing. See the attached Cruise Designs for more details on the cruise method. The cruise calculations were processed in the Astoria District office.

CRUISE	TRACT	TYPE	ACRES
SALLYR	1A	00MC	62
SALLYR	1B	OOMC	22

6. Timber Description:

<u>Tract 1A</u> is a modified clearcut with an average age of 82 years. This stand was previously thinned with the Cole Mountain Combination timber sale in 2006. The stand consists of Douglas-fir and minor components of western hemlock and Sitka spruce. The average Douglas-fir tree size for harvest is approximately 29 inches DBH and 119 feet to a merchantable top. The average western hemlock tree size for harvest is approximately 18 inches DBH and 60 feet to a merchantable top. The average Sitka spruce tree size for harvest is approximately 14 inches DBH and 28 feet to a merchantable top. Total average net volume to be harvested is 43 MBF per acre. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

<u>Tract 1B</u> is a modified clearcut with an average age of 80 years, consisting of Douglas-fir, red alder, Sitka spruce, and western hemlock. The average Douglas-fir tree size for harvest is approximately 20 inches DBH and 83 feet to a merchantable top. The average red alder tree size for harvest is approximately 15 inches DBH and 50 feet to a merchantable top. The average Sitka spruce tree size for harvest is approximately 23 inches

DBH and 49 feet to a merchantable top. The average western hemlock tree size for harvest is approximately 17 inches DBH and 61 feet to a merchantable top. Total average net volume to be harvested is 41 MBF per acre. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

When the two Tracts were combined, the average take Douglas-fir tree size for harvest is approximately 26 inches DBH and 103 feet to a merchantable top. The average take red alder tree size for harvest is approximately 15 inches DBH and 50 feet to a merchantable top. The average take Sitka spruce tree size for harvest is approximately 18 inches DBH and 37 feet to a merchantable top. Average take western hemlock tree size for harvest is approximately 17 inches DBH and 60 feet to a merchantable top. Snags average one per acre. Total average net volume to be harvested is 42 MBF per acre.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Tract	Estimated CV	Target SE%	Actual CV	Actual SE%
1A	40.0%	9.0%	31.4%	4.0%
1B	50.0%	9.0%	48.9%	8.6%
1A & 1B (Combined)			40.7	4.2

8. Volumes by Species and Log Grade:

Volumes by Species and Grade for Timber Sale Area: (MBF) Volumes do not include "in-growth."

Conifer

Species	DBH	Net Vol.	2 Saw	3 Saw	4 Saw	% D & B	% Sale
Douglas-fir	26"	3,276	2,875	368	33	1.4%	92%
Western hemlock	17"	110	49	46	15	4.1%	3%
Sitka spruce	18"	89	63	17	9	7.0%	3%
TOTALS		3,475	2,987	431	57		

Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	15"	73	5	28	14	26	0.0%	2%
TOTALS		73	5	28	14	26		

TOTAL VOLUME	2 E40 MDE
TOTAL VOLUME	3,548 MBF

9. Approvals:

Prepared by: Unit Forester Approval:

Date: 5/26/2020

Date:_

Attachments: Cruise Designs and Map (5 pages) Volume Reports (3 pages) 10.

Statistics Reports (6 pages) Stand Table Summary (2 pages) Log Stock Table (3 pages)

CRUISE DESIGN ASTORIA DISTRICT

Sale Name: _	Sally Ridge Tract 1A	
Harvest Type:	(MC) Modified Clearcut	
Approx. Cruis	e Acres: 62 Estimated CV% 40 Net BF/Acre SE% Objective 9 Net BF/Acre	
Planned Sale	Volume : 2,418 MBF Estimated Sale Area Value/Acre: \$15,600/Acre	
(b) Sample	als: (a) Grade minimum <u>70</u> conifer and <u>10</u> hardwood trees <u>63</u> cruise plots (<u>23</u> grade/ <u>40</u> count); (c) Other goals (Determine "automark" ndards; <u>X</u> Determine log grades for sale value; <u>X</u> Determine snag and leads and sizes.	
B. <u>Cruise Des</u> 1. Plot Cru	ises: BAF 33.61 (Full point) Cruise Line Directions: 137/317 Cruise Plot Spacing 2 (chains) 132 (Feet) Cruise Line Spacing 6 (chains) 396 (Feet) Grade/Count Ratio 1:2	

Take plots as marked on cruise map. All cedar will be reserved. Record all snags as SN.

DO NOT RECORD 12', 22' and 32' (for Hardwoods).

DO NOT RECORD 22' LENGTHS (For Conifer).

All hardwood will be measured to a G, or as appropriate.

C. Tree Measurements:

- **1. Diameter:** Minimum DBH to cruise is <u>8"</u> for conifers and <u>8"</u> for hardwoods. Record dbh to nearest ½" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- 2. Bole Length: Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- 3. Top Cruise Diameter (TCD): Minimum top outside bark is <u>7"</u> for conifers and <u>7"</u> for hardwoods or <u>40</u> % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for conifer trees > 18" dbh.
- 4. Form Factors: (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

- 5. Tree Segments: Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree. Hardwoods shall be recorded in 8' and 10' multiples.
- 6. Species, Sort, and Grade Codes:
- A. <u>Species</u>: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); SF (Silver fir); A (Red alder); M (Bigleaf maple). For "leave trees" in partial cuts, or for marked "wildlife trees," add an "L" to the species code (such as DL, HL, CL, etc.)
- B. Sort: Use code "1" (Domestic).
- C. <u>Grade</u>: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull Hardwoods: <u>Alder Grades</u>: 12" + = 1 Sawmill; 10"-12" = 2 Sawmill; 10"-8" = 3 Sawmill; and 8"-6" 4 Sawmill, or R = Camp Run; 0 = Cull. All Maple Camp Run = R
- 7. Deductions: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
- 8. Standard Field Procedures: Plot Type Cruises: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at inter-visible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.
- Cruising Equipment: Relaskop, Rangefinder, Logger's Tape (with dbh on back)
 Biltmore Stick, Compass, Cruise Cards in Tatum OR Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint.
- **10.Attachments:** A. <u>Cruise Map</u> (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by:	John Choate
Approved by:	5/14/2020
Date:	Sb 5/14/2020

CRUISE DESIGN ASTORIA DISTRICT

Sale Name: _	Sally Ridge	Tract <u>1B</u>
Harvest Type:	: (MC) Modified Clearcut	
Approx. Cruis	se Acres: 22 Estimated CV% 50 Net BF/Ac	cre SE% Objective 9 Net BF/Acre
Planned Sale	Volume : 858 MBF Estimated Sale Area	Value/Acre: \$15,600/Acre
(b) Sample thinning sta	<u>als:</u> (a) Grade minimum <u>70</u> conifer and <u>e 36</u> cruise plots (<u>18</u> grade/ <u>18</u> count); (c) Ot andards; <u>X</u> Determine log grades for sale as and sizes.	ther goals (Determine "automark"
B. Cruise Des	sign:	
1. Plot Cr	Cruises: BAF 40 (Full point) Cruise Line Directions: 86/266 Cruise Plot Spacing 1.5 (chains) 9 Cruise Line Spacing 6 (chains) 39 Grade/Count Ratio 1:1	The state of the s

Take plots as marked on cruise map. All cedar will be reserved. Record all snags as SN.

DO NOT RECORD 12', 22' and 32' (for Hardwoods).

DO NOT RECORD 22' LENGTHS (For Conifer).

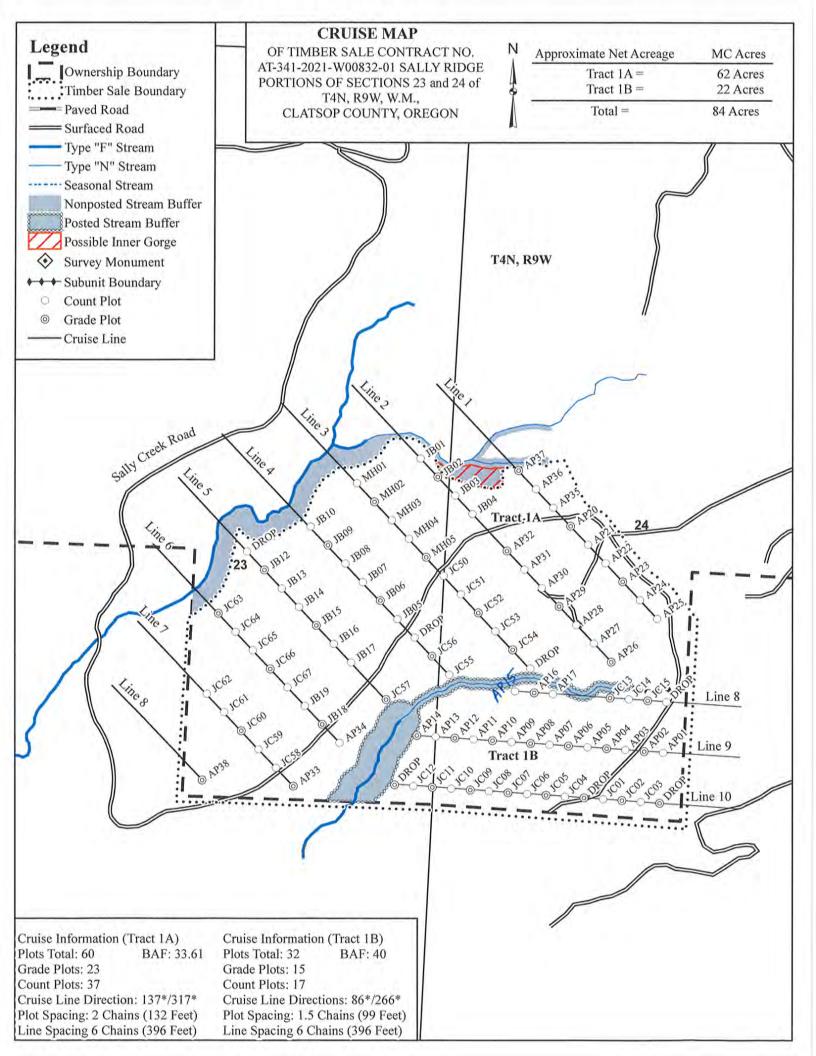
All hardwood will be measured to a G, or as appropriate.

C. Tree Measurements:

- **1. Diameter:** Minimum DBH to cruise is <u>8"</u> for conifers and <u>8"</u> for hardwoods. Record dbh to nearest ½" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
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- 4. Form Factors: (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

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- B. Sort: Use code "1" (Domestic).
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- Cruising Equipment: Relaskop, Rangefinder, Logger's Tape (with dbh on back)
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- **10.Attachments:** A. <u>Cruise Map</u> (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by:	John C	Choate	
	5/	/14/2020	
Approved by: Date:	THE	5/14/2020	



	94N R09W S2 94N R09W S2			62.00 22.00		Project: Acres		84.0								Page Date Time	5/	1 20/20 1:10:2	
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	Totals	92	1.4	39,573	100	3,276		11	24	65	2	2	7	89	35	_	-	1.92	123
S	DOCU		100.0	75											10	27		0.00	
S	DO2S	70	.6	750	745	63			32	68	5	9		86	YV140	18	505	3.34	1
S	DO3S	19	.4	208	207	17		86		14	1	11	66	22	33	7	68	1.03	3.
S	DO4S	11		111	111	9		100			77	23			20	7	31	0.67	3.
S	Totals	3	7.0	1,144	1,064	89		27	23	50	12	11	13	65	28	10	128	1.46	8
Н	DOCU		100.0	56						7					6	17		0.00	,
H	DO2S	44		586	586	49			67	33				100	30.1	15	341	2.07	1,
Н	DO3S	42		547	547	46		100			24	2	4	94	38	9	114	0.87	4,
Н	DO4S	14	4.4	177	177	15		100	**	-	26	46	- 2	28	24	6		0.52	5.
н	Totals	3	4.1	1,365	1,309	110		55	30	15	4	7	2	88	30	9	105	0.96	12.
A	DO1S	6		57	57	5	17.5		100				100		32	13	190	1.69	
A	DO2S	38		329	329	28		100					14	86	39	11	161	1.20	2.
A	DO3S	20		170	170	14		100						100	40	9	120	0.78	1.
A	DO4S	36		305	305	26		100			18	7		75	30	6	42	0.57	7
A	Totals	2		862	862	72		93	7		6	2	12	79	33	7	78	0.77	11
Tota	uls		1.7	42,945	42,236	3,548		15	24	62	2	2	7	89	34	12	272	1.75	155.

Т	TSPCST	GR			Species,	Sort G Projec	rade - Boai t: SAI	rd Foo LLYR	t V	olun	nes (Туре)					Page Date Time		1 5/20/20 1:02:2	
T04 Tv 04	6	/ S23 T Rge 9W	Sec	Tract IA_TAF	Œ	Type 00M			Plots			ole Tree	s	C 1	uFt	T0 Bd W		R09W	S23 T	00MC
			%					Perce	nt N	et Bo	oard F	oot Vol	ume			A	verag	ge Log	5	4
Spp	S So T rt	Gr ad	Net BdFt	Bd. Def%	Ft. per Ac Gross	re Net	Total Net MBF	20. 7.77	200	ile Di 12-1	a. 6 17+	Lo.	g Lei 21-30	-	36-99	Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
D	DC	CU		00.0	253						7 - 0 - 10					8	27		0.00	1.0
D	DC	25	91	1.0	38,304	37,924	2,351			21	79		1	5	94	39	18	556	2.80	68.2
D	DC	38	8	.1	3,360	3,356	208	1	84	12	4	13	11	35	41	31	10	104	0.97	32.3
D	DC	48	1	112	159	159	10	1	00			62	38			19	8	37	0.67	4.2
D	Totals		97	1.5	42,077	41,439	2,569		7	21	72	1	2	7	89	36	15	392	2.26	105.7
Н	DC	28	64		551	551	34			52	48				100	40	15	369	2.18	1.5
H	DC	3S	25		221	221	14	1	00				7		93	36	8	95	0.88	2.3
H	DC	48	11		87	87	5	1	00			23			77	27	6	41	0.51	2.1
Н	Totals		2		858	858	53		36	34	31	2	2		96	34	9	145	1.17	5.9
S	DC	CU		0,001	20											6	34		0.00	Л
S	DC	2S	25		87	87	5				100		100			24	35	1310	10.71	.1
S	DC	38	49		168	168	10	10	76		24	2	13	84		31	7	71	0.84	2.4
S	DC	48	26		89	89	6	1	00			75	25			20	7	30	0.63	3.0
s	Totals		1	5,5	364	344	21		63		37	21	38	41		25	8	63	0.86	5.5
Туре	Totals			1.5	43,299	42,642	2,644		8	21	71	1	2	7	89	35	14	364	2.16	117.1

T	TSPCSTG	R			Species,	Sort G Projec	rade - Boar t: SAI	rd Foot V LLYR	olu:	mes (Туре)					Page Date Time	5	1 5/20/20 1:10:5	
T041 Tw 041	-	ge	Sec	Tract IB_TAE	Œ	Type 00M					ole Tree	s	1	CuFt	TO Bd W		R09W	S23 T	00MC
			%					Percent 1	Net B	oard F	oot Vol	ume			A	vera	ge Log		Logs
Spp	1000	Gr ad	Net BdFt	Bd. Def%	Ft. per Ac Gross	re Net	Total Net MBF	Log Sc 4-5 6-11		ia. 6 17+	Log	21-30	-	36-99	Ln Ft	Dia In	Bd Ft	CF/ Lf	Per /Acre
D	DO	CU		0.00	148		72								7	19		0.00	1.3
D	DO	28	74	.6	23,941	23,807	524	92	49	51				100	100	15		2.11	60.2
D	DO	38	22	1.1	7,328	7,248	159	98	2		3	2	28	67	11772	9		0.82	71.3
D	DO	48	4	2.6	1,103	1,074	24	100			62	38			20	6	26	0.48	40.6
D	Totals		78	1.2	32,519	32,130	707	25	37	38	3	2	6	89	33	11	185	1.31	173.4
A	DO	18	6		218	218	5		100				100		32	13	190	1.69	1,
A	DO	2S	38		1,255	1,255	28	100					14	86	39	11	161	1.20	7.
A	DO	38	20		651	651	14	100						100	40	9	120	0.78	5.4
A	DO	48	36		1,166	1,166	26	100			18	7		75	30	6	42	0.57	27.8
A	Totals		8		3,290	3,290	72	93	7		6	2	12	79	33	7	78	0.77	42.2
s	DO	CU		0.00	230										11	25		0.00	
S	DO	2S	84	.6	2,618	2,601	57		35	65	5			95	38	17	477	3.18	5.4
S	DO	38	10	1.1	323	319	7	100				7	39	54	36	7	64	1.26	4.9
S	DO	48	6	11/	173	173	4	100			80	20			20	7	33	0.72	5.3
S	Totals		8	7.5	3,343	3,093	68	16	30	54	9	2	4	85	31	11	189	1.92	16.4
Н	DO	CU		0.00	215										6	17		0.00	3,
Н	DO	2S	26		684	684	15		100					100	40	14	290	1.87	2.4
Н	DO	38	57		1,464	1,464	32	100					5	95	39	9	124	0.86	11,8
Н	DO	4S	17		430	430	9	100			28	72			23	6	31	0.52	13.8
H	Totals		6	7.7	2,793	2,579	57	73	27		5	12	3	80	29	9	83	0.83	31,
Гуре	Totals			2.0	41,945	41,091	904	33	33	34	4	2	6	87	33	10	156	1.21	263.0

	ATS					OJECT ROJECT		STICS LYR			PAGE DATE	1 5/20/2020
WP	RGE	SC	TRACT		TYPE		AC	CRES	PLOTS	TREES	CuFt	BdFt
	09 09W	23 23	IA_TAKE IB TAKE		00MC 00MC			84.00	92	486	1	W
						TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
		T	PLOTS	TREES		PER PLOT	,	TREES		TREES		
TOTAL	L		92	486		5.3	-					
CRUIS			39	214		5.5		5,351		4.0		
DBH C	COUNT											
REFOR	REST											
COUN	T		53	264		5.0						
BLAN												
100 %												
			770.7		STA	ND SUM	MARY					
			MPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
DOUG	TIP		TREES	/ACRE	DBH 25.5	LEN 103	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
S SPRU	7,770		166 21	6.7	18.4	37	30.1	151.8 12.3	39,573 1,144	39,001 1,064	8,286 351	8,252 339
R ALD			14	7.6	14.9	50	2.9	9.2	862	862	280	280
	MLOCK		13	6.5	17.2	60	2.5	10.4	1,365	1,309	375	365
TOTA			214	63.7	23.0	86	38.3	183.7	42,945	42,236	9,293	9,236
CL	68.1	-	COEFF		Taryon	SAMPI	E TREE	HIN THE SAN	772# 429V 47	OF TREES	REQ.	INF. POP
CL SD:	68.1 1.0		VAR.%	S.E.%	I	.OW	E TREE AVG	S - BF HIGH	772# 429V 47		REQ. 10	
SD: DOUG	1.0 FIR		VAR.% 66.5	5.2	I	OW 1,098	E TREE AVG 1,158	S - BF HIGH 1,217	772# 429V 47	OF TREES		
SD: DOUG S SPRU	1.0 FIR UCE		VAR.% 66.5 126.2	5.2 28.2	Ţ	OW 1,098 318	E TREE AVG 1,158 443	S - BF HIGH 1,217 568	772# 429V 47	OF TREES		
SD: DOUG S SPRU R ALD	1.0 FIR UCE DER		VAR.% 66.5 126.2 49.3	5.2 28.2 13.7	I	1,098 318 108	AVG 1,158 443 125	S - BF HIGH 1,217 568 142	772# 429V 47	OF TREES		
SD: DOUG S SPRU R ALD WHEM	1.0 FIR UCE DER MLOCK		VAR.% 66.5 126.2 49.3 74.4	5.2 28.2 13.7 21.4	I	1,098 318 108 218	AVG 1,158 443 125 278	S - BF HIGH 1,217 568 142 337	772# 429V 47	FOF TREES 5		
SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK		VAR.% 66.5 126.2 49.3 74.4 81.6	5.2 28.2 13.7	Ţ	.OW 1,098 318 108 218 913	AVG 1,158 443 125 278 967	S - BF HIGH 1,217 568 142	*	FOF TREES 5	66	
SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK		VAR.% 66.5 126.2 49.3 74.4	5.2 28.2 13.7 21.4		1,098 318 108 218	AVG 1,158 443 125 278 967	S - BF HIGH 1,217 568 142 337	*	FOF TREES 5	66	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK AL 68.1 1.0		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF	5.2 28.2 13.7 21.4 5.6		1,098 318 108 218 913 TREES	AVG 1,158 443 125 278 967 /ACRE	S - BF HIGH 1,217 568 142 337 1,021	*	FOF TREES 5 266 FOF PLOTS	66 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7		1,098 318 108 218 913 TREES COW 39 5	AVG 1,158 443 125 278 967 /ACRE AVG 43 7	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8	*	FOF TREES 5 266 FOF PLOTS	66 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4		1,098 318 108 218 9/3 TREES .OW 39 5	AVG 1,158 443 125 278 967 /ACRE AVG 43 7 8	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10	*	FOF TREES 5 266 FOF PLOTS	66 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2		1,098 318 108 218 9/3 TREES .OW 39 5 5	AVG 1,158 443 125 278 967 /ACRE AVG 43 7 8 6	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8	*	# OF TREES 5 266 # OF PLOTS 5	66 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4		OW 1,098 318 108 218 913 TREES COW 39 5 5 5 5	AVG 1,158 443 125 278 967 /ACRE AVG 43 7 8 6 64	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68	#	# OF TREES 5 266 # OF PLOTS 5	66 REQ. 10	3 INF. POP 1
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6	I	1,098 318 108 218 913 TREES .OW 39 5 5 5 5 5 9 BASAL	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68	#	# OF TREES 5 266 # OF PLOTS 5	66 REO. 10 40 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: CL SD:	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.%	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2	I	OW 1,098 318 108 218 913 TREES COW 39 5 5 5 5	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68	#	# OF TREES 5 266 # OF PLOTS 5	66 REQ. 10	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6	I	1,098 318 108 218 913 TREES .OW 39 5 5 5 5 5 5 5 5	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68	#	# OF TREES 5 266 # OF PLOTS 5	66 REO. 10 40 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG DOUG	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6 S.E.% 5.3	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144	AVG 1,158 443 125 278 967 /ACRE AVG 43 7 8 6 64 AREA/A AVG 152	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 .CRE HIGH 160	#	# OF TREES 5 266 # OF PLOTS 5	66 REO. 10 40 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6 S.E.% 5.3 23.1 32.0 21.6	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144 9 6 8	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 CRE HIGH 160 15 12 13	#	266 FOF PLOTS 5 160 FOF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD CL SD: DOUG R ALD R ALD R ALD	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6 S.E.% 5.3 23.1 32.0	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144 9 6	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 .CRE HIGH 160 15 12	#	# OF TREES 5 266 # OF PLOTS 5	66 REO. 10 40 REQ.	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6 S.E.% 5.3 23.1 32.0 21.6	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144 9 6 8	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9 10 184	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 CRE HIGH 160 15 12 13	#	266 FOF PLOTS 5 160 FOF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP
SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD:	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0 33.7 COEFF VAR.%	5.2 28.2 13.7 21.4 5.6 S.E.% 8.4 25.7 32.4 22.2 6.6 S.E.% 5.3 23.1 32.0 21.6 3.5	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144 9 6 8 177 NET BILOW	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9 10 184 F/ACRE AVG	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 .CRE HIGH 160 15 12 13 190 HIGH	#	# OF TREES 5 266 # OF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP
DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA	1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 FIR UCE DER MLOCK LL 68.1 1.0 6.0 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0 33.7 COEFF VAR.% 51.3	5.2 28.2 13.7 21.4 5.6 8.4 25.7 32.4 22.2 6.6 5.3 23.1 32.0 21.6 3.5 S.E.% 5.3	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 5 9 BASAL OW 144 9 6 8 177 NET BI COW 36,917	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9 10 184 F/ACRE AVG 39,001	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 CRE HIGH 160 15 12 13 190 HIGH 41,085	#	# OF TREES 5 266 # OF PLOTS 5 160 # OF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP
DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0 33.7 COEFF VAR.% 51.3 254.6	5.2 28.2 13.7 21.4 5.6 8.4 25.7 32.4 22.2 6.6 5.3 23.1 32.0 21.6 3.5 S.E.% 5.3 26.5	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 9 BASAL OW 144 9 6 8 177 NET BI COW 36,917 782	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9 10 184 F/ACRE AVG 39,001 1,064	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 CCRE HIGH 160 15 12 13 190 HIGH 41,085 1,346	#	# OF TREES 5 266 # OF PLOTS 5 160 # OF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP INF. POP INF. POP
DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA CL SD: DOUG S SPRU R ALD WHEM TOTA	1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L 68.1 1.0 FIR UCE DER MLOCK L		VAR.% 66.5 126.2 49.3 74.4 81.6 COEFF VAR.% 80.2 247.1 311.4 213.2 63.4 COEFF VAR.% 51.3 222.1 307.1 207.0 33.7 COEFF VAR.% 51.3	5.2 28.2 13.7 21.4 5.6 8.4 25.7 32.4 22.2 6.6 5.3 23.1 32.0 21.6 3.5 S.E.% 5.3	I	OW 1,098 318 108 218 913 TREES OW 39 5 5 5 9 BASAL OW 144 9 6 8 177 NET BI COW 36,917	AVG 1,158 443 125 278 967 ACRE AVG 43 7 8 6 64 AREA/A AVG 152 12 9 10 184 F/ACRE AVG 39,001	S - BF HIGH 1,217 568 142 337 1,021 HIGH 47 8 10 8 68 CRE HIGH 160 15 12 13 190 HIGH 41,085	#	# OF TREES 5 266 # OF PLOTS 5 160 # OF PLOTS 5	66 REQ. 10 40 REQ. 10	INF. POP INF. POP

TC PS	TATS					DJECT : ROJECT		STICS LYR			PAGE DATE	1 5/26/2020
WP	RGE	SC	TRACT		TYPE		AC	CRES	PLOTS	TREES	CuFt	BdFt
04N 04N	09 09W	23 23	1A 1B		00MC 00MC			84.00	92	497	1	W
			PLOTS	TREES		TREES PER PLOT		ESTIMATED TOTAL TREES		PERCENT SAMPLE TREES		
TOT	Δ1	-	92	497		5.4		TREES		TREES		
CRU DBH			42	224		5.3		5,457		4.1		
BLA 100 9	NKS		50	256		5.1						
					STA	ND SUM	MARY		Loui			
			AMPLE FREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOU	JG FIR		166	43.0	25.5	103	30.1	151.8	39,573	39,001	8,286	8,252
	RUCE		21	6.7	18.4	37	2.9	12.3	1,144	1,064	351	339
	DER		14	7.6	14.9	50	2.4	9,2	862	862	280	280
	EMLOCK		13	6.5 1.1	17.2 25.4	60 52	2.5 0.8	10.4 3.9	1,365	1,309	375	365
SNA	G CEDAR		9	.2	19.0	25	0.8	.3	7	7	4	4
TOT			224	65.0	23.0	85	39.2	187.9	42,951	42,242	9,297	9,241
SD: DOU	1.0 IG FIR		VAR.% 66.5	S.E.% 5.2	I	1,098	AVG 1,158	HIGH 1,217		5	10	1
					- 1	-				3	10	
S SP	RUCE		126.2	28.2		318	443	568				
R AL	DER		49.3	13.7		108	100					
WHI	EMLOCK G		74.4	21.4		218	125 278	142 337				
SNA WR	G CEDAR		74.4 86.2							297	74	3
SNA WR O	G CEDAR			21.4		218	278 924	337	,	297 # OF PLOTS	733.017	T 1/570 3
SNA WR C TOT CL SD:	G CEDAR FAL 68.1 1.0		86.2 COEFF VAR.%	21.4 5.8 S.E.%	1	218 870 TREES/	278 924 ACRE AVG	977 HIGH	į	THE PART OF	733.017	INF. POP.
SNA WR O TOT CL SD: DOU	G CEDAR CAL 68.1 1.0 UG FIR		86.2 COEFF VAR.% 80.2	5.8 S.E.% 8.4	1	218 870 TREES/ LOW 39	278 924 ACRE AVG 43	977 HIGH 47	į	FOF PLOTS	REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP	G CEDAR CAL 68.1 1.0 JG FIR RUCE		86.2 COEFF VAR.% 80.2 247.1	5.8 S.E.% 8.4 25.7	1	218 870 TREES/ .OW 39 5	278 924 ACRE AVG 43 7	977 HIGH 47 8	ŧ	FOF PLOTS	REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AL	GCEDAR CAL 68.1 1.0 UG FIR RUCE LDER		86.2 COEFF VAR.% 80.2 247.1 311.4	5.8 S.E.% 8.4 25.7 32.4		218 870 TREES/ LOW 39	278 924 ACRE AVG 43	977 HIGH 47	¥	FOF PLOTS	REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AL	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK		86.2 COEFF VAR.% 80.2 247.1	5.8 S.E.% 8.4 25.7	1	218 870 TREES/ .OW 39 5 5 1	278 924 ACRE AVG 43 7 8	977 HIGH 47 8 10	į	FOF PLOTS	REQ.	INF. POP.
CL SD: DOU S SP R AL WHE SNA WR (G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9	1	218 870 TREES/ OW 39 5 5 5 1 0	278 924 ACRE AVG 43 7 8 6 1 0	977 HIGH 47 8 10 8 2 0	ŧ	# OF PLOTS 5	REO. 10	INF. POP.
CL SD: DOU S SP R AL WHE SNA	G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2	[218 870 TREES/ .OW 39 5 5 1	278 924 ACRE AVG 43 7 8 6 1	977 HIGH 47 8 10 8 2	¥	FOF PLOTS	REQ.	INF. POP.
SNA WR G TOT CL SD: DOU S SP R AI WHE SNA WR G TOT	GCEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4		870 TREES/ .OW 39 5 5 1 0 61 BASAL	924 PACRE AVG 43 7 8 6 1 0 65	977 HIGH 47 8 10 8 2 0 69		# OF PLOTS 5 152 # OF PLOTS	REQ. 10 38 REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AI WHE SNA WR C TOT CL SD:	G CEDAR CAL 1.0 G FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.%	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.%		870 TREES/ .OW 39 5 5 1 0 61 BASAL	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A	977 HIGH 47 8 10 8 2 0 69 ACRE HIGH		# OF PLOTS 5	REQ. 10	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AI WHE SNA WR C TOT CL SD: DOU	G CEDAR CAL 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 JG FIR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3		870 TREES/ COW 39 5 5 6 1 0 61 BASAL COW 144	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A	977 HIGH 47 8 10 8 2 0 69 ACRE HIGH 160		# OF PLOTS 5 152 # OF PLOTS	REQ. 10 38 REQ.	INF. POP.
SNA WR CL SD: DOU S SP R ALL WHE SNA WR CTOT CL SD: DOU S SP	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 UG FIR RUCE		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1		870 TREES/ COW 39 5 5 1 0 61 BASAL COW 144 9	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12	977 HIGH 47 8 10 8 2 0 69 ACRE HIGH 160 15		# OF PLOTS 5 152 # OF PLOTS	REQ. 10 38 REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AIL WHE SNA WR C TOT CL S SP R AIL SD: DOU S SP R AIL	G CEDAR CAL 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 JG FIR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3		870 TREES/ COW 39 5 5 6 1 0 61 BASAL COW 144	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A	977 HIGH 47 8 10 8 2 0 69 ACRE HIGH 160		# OF PLOTS 5 152 # OF PLOTS	REQ. 10 38 REQ.	INF. POP.
SNA WR C TOT CL SD: DOU S SP R AIL WHE SNA WR C TOT CL S SP R AIL SD: DOU S SP R AIL	GCEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK GCEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK GEDAR CAL		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0		870 TREES/ COW 39 5 5 1 0 61 BASAL COW 144 9 6	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9	977 HIGH 47 8 10 8 2 0 69 CRE HIGH 160 15 12		# OF PLOTS 5 152 # OF PLOTS	REQ. 10 38 REQ.	INF. POP.
SNA WR G TOT CL SD: DOU S SP R AI WHE SD: DOU S SP R AI WHE SNA WR G TOT CL S SP R AI WHE SNA WR G	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 CEDAR CAL 68.1 CEDAR CEDAR CEDAR CEDAR CEDAR CEDAR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9 99.9		218 870 TREES/ COW 39 5 5 1 0 61 BASAL COW 144 9 6 8 2 0	278 924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0	977 HIGH 47 8 10 8 2 0 69 CCRE HIGH 160 15 12 13 5 1		# OF PLOTS 5 152 # OF PLOTS 5	38 REQ. 10	INF. POP. INF. POP. 1
SNA WR G TOT CL SD: DOU S SP R AL WHE SD: DOU S SP R AL WHE SNA WR G TOT CL S SP R AL WHE SNA WR G TOT TOT TOT TOT TOT TOT TOT TOT TOT T	G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2 29.5	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9		218 870 TREES/ COW 39 5 5 1 0 61 BASAL COW 144 9 6 8 2 0 182	278 924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0 188	977 HIGH 47 8 10 8 2 0 69 CCRE HIGH 160 15 12 13 5	1	# OF PLOTS 5 152 # OF PLOTS 5	38 REQ. 10	INF. POP. I INF. POP. 1
SNA WR CL SD: DOUL S SP R AIL WHE SNA WR CTOT CL S SP R AIL WHE SNA WR CTOT CL S SP R AIL WHE SNA WR CTOT CL	G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 JG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 68.1 68.1		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2 29.5 COEFF	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9 99.9 3.1	1	218 870 TREES/ OW 39 5 5 1 0 61 BASAL COW 144 9 6 8 2 0 182 NET BF	278 924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0 188	337 977 HIGH 47 8 10 8 2 0 69 CRE HIGH 160 15 12 13 5 1 194	1	# OF PLOTS 152 # OF PLOTS 5 35 # OF PLOTS	38 REQ. 10	INF. POP. INF. POP. INF. POP.
SNA WR CL SD: DOUL S SP R AIL WHE SNA WR CTOTO S SP R AIL WHE SNA WR CTOTO CL SNA WR CTOTO CL SNA WR CTOTO CL SD:	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 CEDAR CAL 68.1 1.0		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2 29.5 COEFF VAR.%	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9 99.9 3.1 S.E.%	I	870 TREES/ .OW 39 5 5 1 0 61 BASAL .OW 144 9 6 8 2 0 182 NET BF	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0 188	337 977 HIGH 47 8 10 8 2 0 69 CRE HIGH 160 15 12 13 5 1 194 HIGH	1	# OF PLOTS 5 152 # OF PLOTS 5	38 REQ. 10	INF. POP. INF. POP. INF. POP.
SNA WR GOOD TO THE SNA WR GOOD T	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR TAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR TAL 68.1 1.0 UG FIR		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2 29.5 COEFF VAR.% 51.3	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9 99.9 3.1 S.E.% 5.3	I	870 TREES/ COW 39 5 5 1 0 61 BASAL COW 144 9 6 8 2 0 182 NET BF	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0 //ACRE AVG 39,001	337 977 HIGH 47 8 10 8 2 0 69 CCRE HIGH 160 15 12 13 5 1 194 HIGH 41,085	1	# OF PLOTS 152 # OF PLOTS 5 35 # OF PLOTS	38 REQ. 10	J. INF. POP. 1. INF. POP. 1.
SNA WR GOOD TO THE SNA WR GOOD T	G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 UG FIR RUCE LDER EMLOCK G CEDAR CAL 68.1 1.0 CEDAR CAL 68.1 1.0		86.2 COEFF VAR.% 80.2 247.1 311.4 213.2 414.8 959.2 61.8 COEFF VAR.% 51.3 222.1 307.1 207.0 373.4 959.2 29.5 COEFF VAR.%	5.8 S.E.% 8.4 25.7 32.4 22.2 43.2 99.9 6.4 S.E.% 5.3 23.1 32.0 21.6 38.9 99.9 3.1 S.E.%	I	870 TREES/ .OW 39 5 5 1 0 61 BASAL .OW 144 9 6 8 2 0 182 NET BF	924 ACRE AVG 43 7 8 6 1 0 65 AREA/A AVG 152 12 9 10 4 0 188	337 977 HIGH 47 8 10 8 2 0 69 CRE HIGH 160 15 12 13 5 1 194 HIGH	1	# OF PLOTS 152 # OF PLOTS 5 35 # OF PLOTS	38 REQ. 10	INF. POP. INF. POP. INF. POP.

TC PS	TATS			1	PROJEC'		ISTICS LLYR			PAGE DATE	2 5/26/2020
TWP	RGE	SC	TRACT	TYPE	2	A	CRES	PLOTS	TREES	CuFt	BdFt
04N 04N	09 09W	23 23	1A 1B	00MC 00MC			84.00	92	497	1	W
CL	68.1		COEFF		NET	BF/ACRE			# OF PLOT	TS REQ.	INF. POP
SD:	00.1		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
SNA	5		050.0	99.9	0	7	13				
TOT	CEDAR		959.2 40.7	4.2	40,453	42,242	44.032		66	17	7

	ATS					ST PROJE	CATIST	ICS SALLYR			PAGE DATE 5	1 5/20/2020
WP	RGE	SECT	TR	ACT		TYPE	AC	RES	PLOTS	TREES	CuFt	BdFt
04N	09W	23	1A			00MC		62.00	60	293	1	W
		PLOTS		TREES		TREES PER PLOT		ESTIMATED TOTAL TREES	S	PERCENT		
ومتحش						TA14 A STOP 55 (4.1)		TREES	,	TREES		
TOTA		60 26		293		4.9		2 642		4.2		
CRUI	COUNT	20)	114		4.4		2,642		4.3		
	REST											
COUN		34		167		4.9						
BLAN				197		11.2						
100 %												
- 24.4-0					STA	ND SUM	MARY	-				
		SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
		TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG	3 FIR	9	5	32.7	28.8	119	27.6	148.4	42,077	41,439	8,539	8,502
WHE	MLOCK		6	3.4	18.1	60	1.4	6.2	858	858	232	232
S SPR	UCE		7	5.3	13.9	28	1.5	5.6	364	344	120	117
SNAG	ì		6	1.2	24.8	45	0.8	3.9				
TOTA	AL .	11	4	42.6	26.6	101	31.8	164.1	43,299	42,642	8,891	8,851
CL:	68.1 %	COI		OF 100 THE	VOLUME	- 100	E WITHIN	THE SAMP		OF TREES	REQ.	INF. POP.
SD:	68.1 % 1.0	COI	EFF R.%	S.E.%		SAMPL .OW	E TREES	S - BF HIGH		OF TREES 5	REQ. 10	
SD: DOUG	68.1 % 1.0 3 FIR	COI VAI 46	EFF R.%	S.E.% 4.8		SAMPL OW 1,431	E TREES AVG 1,503	6 - BF HIGH 1,575				
SD; DOUG WHEN	68.1 % 1.0 3 FIR MLOCK	COI VAI 46 70	EFF R.% 5.8	S.E.% 4.8 31.2		SAMPL LOW 1,431 256	AVG 1,503 372	S - BF HIGH 1,575 488				INF. POP.
SD: DOUG	68.1 % 1.0 3 FIR MLOCK UCE	COI VAI 46	EFF R.% 5.8	S.E.% 4.8		SAMPL OW 1,431	E TREES AVG 1,503	6 - BF HIGH 1,575				
SD: DOUG WHEN S SPR	68.1 % 1.0 G FIR MLOCK UCE	COI VAI 46 70	EFF R.% 5.8 9.1 5.8	S.E.% 4.8 31.2	I	SAMPL LOW 1,431 256	AVG 1,503 372	S - BF HIGH 1,575 488				1
SD: DOUG WHEN S SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE	COI VAI 46 70 228	EFF R.% 5.8 5.1 5.8	S.E.% 4.8 31.2 93.1	I	SAMPL LOW 1,431 256 22	AVG 1,503 372 320 1,292	5 - BF HIGH 1,575 488 618	#	5	40	1
SD: DOUG WHEN S SPR SNAG TOTA CL: SD:	68.1 % 1.0 3 FIR MLOCK UCE 3 AL 68.1 % 1.0	COI VAI 46 70 228 63. COI VAI	EFF R.% 0.8 0.1 0.8 5 EFF R.%	S.E.% 4.8 31.2 93.1 5.9 S.E.%		SAMPL OW 1,431 256 22 1,215 TREES	AVG 1,503 372 320 1,292 /ACRE AVG	5 - BF HIGH 1,575 488 618 1,369	#	5	40	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR	COI VAI 46 70 228 63. COI VAI 34	EFF R.% 5.8 5.1 5.8 5 EFF R.%	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5		SAMPL OW 1,431 256 22 1,215 TREES OW 31	AVG 1,503 372 320 1,292 /ACRE AVG 33	5 - BF HIGH 1,575 488 618 1,369 HIGH 34	#	5 161 OF PLOTS	40 REO.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR	COI VAI 46 70 228 63. COI VAI 34 257	EFF R.% .8 .1 8 .5 EFF R.%	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2		SAMPL OW 1,431 256 22 1,215 TREES. OW 31 2	AVG 1,503 372 320 1,292 /ACRE AVG 33 3	6 - BF HIGH 1,575 488 618 1,369 HIGH 34 5	#	5 161 OF PLOTS	40 REO.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR	68.1 % 1.0 G FIR MLOCK UCE 6 L 68.1 % 1.0 G FIR MLOCK UCE 6 L UCE	COI VAI 46 70 228 63. COI VAI 34 257 309	EFF R.% 8 1 8 5 EFF R.% 7	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0		SAMPL OW 1,431 256 22 1,215 TREES OW 31	AVG 1,503 372 320 1,292 /ACRE AVG 33	6 - BF HIGH 1,575 488 618 1,369 HIGH 34 5	#	5 161 OF PLOTS	40 REO.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG	68.1 % 1.0 G FIR MLOCK UCE AL 68.1 % 1.0 G FIR MLOCK UCE GUE GUE GUE GUE GUE GUE GUE GUE GUE GU	COI VAI 46 70 228 63. COI VAI 34 257	EFF R.% 5.8 1.1 1.8 5 EFF R.% 1.7 1.4 1.8 1.9	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2		SAMPL OW 1,431 256 22 1,215 TREES. OW 31 2	AVG 1,503 372 320 1,292 /ACRE AVG 33 3	5 - BF HIGH 1,575 488 618 1,369 HIGH 34 5	#	5 161 OF PLOTS	40 REO.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE AL 68.1 % 1.0 G FIR MLOCK UCE GUE GUE GUE GUE GUE GUE GUE GUE GUE GU	COI VAI 46 70 228 63. COI VAI 34 257 309 376	EFF R.%	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6		SAMPL OW 1,431 256 22 1,215 TREES. OW 31 2 3 1 40	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45	#	5 161 OF PLOTS 5	40 REO. 10	
SD: DOUG WHEN S SPR SNAG TOTA CL: DOUG WHEN S SPR SNAG TOTA CL:	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL L 68.1 % L C C C C C C C C C C C C C C C C C C	COI VAI 466 700 2288 63. COI VAI 344 257 309 376 43.	EFF R.% .8 .1 .8 .5 .5 EFF A.4 .8 .9 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6	L	SAMPL OW 1,431 256 22 1,215 TREES. OW 31 2 3 1 40	AVG 1,503 372 320 1,292 /ACRE AVG 33 3 5 1 43	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45	#	5 161 OF PLOTS 5	40 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG	68.1 % 1.0 G FIR MLOCK UCE 6 1.0 G FIR MLOCK UCE 6 1.0 G FIR MLOCK UCE 6 1.0 G FIR 68.1 % 1.0 G FIR	COI VAI 46 70 228 63. COI VAI 34 257 309 376 43. COI VAI	EFF R.% .8 .1 .8 .5 EFF R.% .7 .4 .8 .9 .9	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2	L	SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142	AVG 1,503 372 320 1,292 /ACRE AVG 33 3 5 1 43 AREA/A AVG 148	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155	#	5 161 OF PLOTS 5	10 40 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S WHEN SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE ML 68.1 % 1.0 G FIR MLOCK UCE ML 68.1 % 1.0 G FIR MLOCK UCE ML 68.1 % 1.0	COI VAI 46 70 228 63. COI VAI 34 257 309 376 43. COI VAI	EFF R.% .8 .1 .8 .5 EFF R.% .7 .4 .8 .9 .9 .0	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0	L	SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW	AVG 1,503 372 320 1,292 ACRE AVG 33 5 1 43 AREA/A AVG 148 6	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8	#	5 161 OF PLOTS 5	10 40 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD:	68.1 % 1.0 G FIR MLOCK UCE AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % LOCK UCE	COI VAI 466 700 2288 63. COI VAI 344 257 309 376 43. COI VAI 32 255 295	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1	L	SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3	AVG 1,503 372 320 1,292 ACRE AVG 33 5 1 43 AREA/A AVG 148 6 6	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8	#	5 161 OF PLOTS 5	10 40 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA SSPR SNAG SSPR SNAG SSPR SNAG SSPR	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G	COI VAI 46 70 228 63. COI VAI 34 257 309 376 43. COI VAI 32 255 295 356	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9	L	SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2	AVG 1,503 372 320 1,292 /ACRE AVG 33 5 1 43 AREA/A AVG 148 6 6 4	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6	#	5 161 FOF PLOTS 5 74 FOF PLOTS 5	10 40 REO. 10 18 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG S SPR SNAG TOTA TOTA TOTA TOTA	68.1 % 1.0 G FIR MLOCK UCE G L 68.1 % 1.0 G FIR MLOCK UCE G L 68.1 % 1.0 G FIR MLOCK UCE G L 68.1 % 1.0 G FIR MLOCK UCE G L 68.1 %	COI VAI 466 700 2288 633. COI VAI 344 2557 309 3766 433. COI VAI 322 2555 295 3566 233.	EFF R.%	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1	L	SAMPL OW 1,431 256 22 1,215 TREES OW 31 2 3 1 40 BASAL OW 142 4 3 2 1,59	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8	#	5 161 OF PLOTS 5 74 OF PLOTS 5	10 40 REO. 10 18 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: CL: CL: CCL: CCL: CCL: CCL: CCL: C	68.1 % 1.0 G FIR MLOCK UCE 1 68.1 %	COI VAI 466 700 2288 63. COI VAI 344 257 309 376 43. COI VAI 32 255 295 356 23.	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9 3.1		SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2 159 NET BI	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164 FACRE	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6 169	#	5 161 FOF PLOTS 5 74 FOF PLOTS 5	10 40 REO. 10 18 REO. 10	INF. POP
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: CL: SD: CL: SSPR SNAG TOTA CL: SPR SNAG TOTA CL: SPR SNAG TOTA SPR SNAG TOTA CL: SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE ML 68.1 % 1.0	COI VAI 466 700 2288 63. COI VAI 344 257 309 376 43. COI VAI 32 255 295 356 23. COI VAI	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9 3.1 S.E.%		SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2 159 NET BI	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164 F/ACRE AVG	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6 169	#	5 161 OF PLOTS 5 74 OF PLOTS 5	10 40 REO. 10 18 REO. 10	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR	COI VAI 466 700 2288 63. COI VAI 324 255 295 3566 23. COI VAI 33	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9 3.1 S.E.% 4.3		SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2 159 NET BI .OW 39,657	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164 F/ACRE AVG 41,439	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6 169 HIGH 43,222	#	5 161 FOF PLOTS 5 74 FOF PLOTS 5	10 40 REO. 10 18 REQ. 10 6 REQ.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA CL: SD: DOUG WHEN S SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK UCE G AL 68.1 % 1.0 G FIR MLOCK	COI VAI 466 700 2288 63. COI VAI 32 255 295 3566 23. COI VAI 33 269	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9 3.1 S.E.%		SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2 159 NET BI	AVG 1,503 372 320 1,292 ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164 F/ACRE AVG	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6 169	#	5 161 FOF PLOTS 5 74 FOF PLOTS 5	10 40 REO. 10 18 REQ. 10 6 REQ.	INF. POP.
SD: DOUG WHEN S SPR SNAG TOTA CL: WHEN S SPR SNAG TOTA	68.1 % 1.0 G FIR MLOCK UCE G 1.0 G FIR MLOCK UCE	COI VAI 466 700 2288 63. COI VAI 324 255 295 3566 23. COI VAI 33	EFF R.%8	S.E.% 4.8 31.2 93.1 5.9 S.E.% 4.5 33.2 40.0 48.6 5.5 S.E.% 4.2 33.0 38.1 45.9 3.1 S.E.% 4.3 34.8		SAMPL .OW 1,431 256 22 1,215 TREES .OW 31 2 3 1 40 BASAL .OW 142 4 3 2 159 NET BI .OW 39,657 560	AVG 1,503 372 320 1,292 /ACRE AVG 33 3 5 1 43 AREA/A AVG 148 6 6 4 164 F/ACRE AVG 41,439 858	S - BF HIGH 1,575 488 618 1,369 HIGH 34 5 7 2 45 CRE HIGH 155 8 8 6 169 HIGH 43,222 1,157	#	5 161 FOF PLOTS 5 74 FOF PLOTS 5	10 40 REO. 10 18 REQ. 10 6 REQ.	INF. POP.

TWP RGE SECT TRACT				ST PROJEC	ATIST	TICS SALLYR			PAGE DATE 5	1 5/20/2020		
TWP RG	E SECT	TR	ACT		TYPE	AC	RES	PLOTS	TREES	CuFt	BdFt	
04N 09	W 23	1B			00MC		22.00	32	204	1	W	
1101-111					TREES		ESTIMATED TOTAL		PERCENT SAMPLE			
	PLO	TS	TREES		PER PLOT		TREES		TREES			
TOTAL		32	204		6.4							
CRUISE DBH COUR		16	110		6.9		2,815		3,9			
COUNT BLANKS 100 %		16	89		5.6							
				STA	ND SUMN	IARY						
	SAMP TRE		TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
DOUG FIR		71	71.8	20.3	83	35.8	161.3	32,519	32,130	7,574	7,549	
R ALDER		14	28.9	14.9	50	9.1	35.0	3,290	3,290	1,071	1,071	
S SPRUCE		14	10.5	23.3	49	6.5	31.3	3,343		1,001	963	
WHEMLO	CK	7	15.1	16.5	61	5,5	22.5	2,793	2,579	779	738	
SNAG		3	.9	27.2	78	0.7	3.8	4	6.5	373		
WR CEDA		1	.6	19.0	25	0.3	1.3	25		17		
TOTAL		110	128.0	19.1	70	58.3	255.0	41,971	41,116	10,442	10,338	
CL: 68.1		COEFF	S E 9/		SAMPLI			1	# OF TREE		INF. POP	
SD: 1.0 DOUG FIR		AR.% 85.5	S.E.% 10.1		625	AVG 695	HIGH 766		5	10		
R ALDER		49.3	13.7		108	125	142					
		93.4	25.9		374	505						
S SPRUCE						202	636					
WHEMLOO SNAG WR CEDA		56.5	23.0		152	197	242					
WHEMLOG SNAG	R	56.5 02.8	23.0 9.8		152 489				422	106		
WHEMLOO SNAG WR CEDA	R 10		-			197 542	242		<i>422</i> # OF PLOT			
WHEMLOO SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0	R 10 % C	02.8 COEFF	9.8 S.E.%	1	489 TREES/	197 542 ACRE AVG	242 595 HIGH				INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR	R 10 % C	02.8 COEFF /AR.%	9.8 S.E.% 17.8	j	489 TREES/, .OW 59	197 542 ACRE AVG 72	242 595 HIGH 85		# OF PLOT	S REQ.	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER	R 10 % C	02.8 COEFF /AR.% 00.8 66.5	9.8 S.E.% 17.8 29.4	Î	489 TREES/. .OW 59 20	542 ACRE AVG 72 29	242 595 HIGH 85 37		# OF PLOT	S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR	R 10 % C	02.8 COEFF /AR.% 00.8 66.5 48.4	9.8 S.E.% 17.8	1	489 TREES/, .OW 59	197 542 ACRE AVG 72	242 595 HIGH 85		# OF PLOT	S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE	R 16 % C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02.8 COEFF /AR.% 00.8 66.5	9.8 S.E.% 17.8 29.4 26.2	Î	489 TREES/OW 59 20 8	542 ACRE AVG 72 29 11	242 595 HIGH 85 37 13		# OF PLOT	S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL	R 10 % C	02.8 COEFF /AR.% 00.8 66.5 48.4 660.7 638.6 665.7	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9	Ŷ	489 TREES/, LOW 59 20 8 11 0	542 ACRE AVG 72 29 11 15 1	242 595 HIGH 85 37 13 19 2 1		# OF PLOT	S REQ. 10	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG	R 16 % CK 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02.8 COEFF /AR.% 00.8 66.5 48.4 60.7 538.6 665.7 50.3	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1	j	489 TREES/. .OW 59 20 8 11	542 ACRE AVG 72 29 11 15	242 595 HIGH 85 37 13 19 2		# OF PLOT	S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL	R 16 % CK 15 SR 5 SR	02.8 COEFF /AR.% 00.8 66.5 48.4 660.7 638.6 665.7	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9	Î	489 TREES/, LOW 59 20 8 11 0	542 ACRE AVG 72 29 11 15 1 128	242 595 HIGH 85 37 13 19 2 1 139		# OF PLOT	S REQ. 10	INF, POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0	R 10 % CK 11 5 S S S S S S S S S S S S S S S S S	02.8 COEFF /AR.% 00.8 66.5 48.4 60.7 538.6 65.7 50.3 COEFF /AR.%	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.%		489 TREES/OW 59 20 8 11 0 0 117 BASAL	542 ACRE AVG 72 29 11 15 1 1 128 AREA/A	242 595 HIGH 85 37 13 19 2 1 139 .CRE HIGH		# OF PLOT: 5	S REQ. 10	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR	R 10 % CK 15 SK 15	02.8 COEFF /AR.% 00.8 66.5 48.4 66.7 538.6 665.7 50.3 COEFF /AR.%	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0		489 TREES/, .OW 59 20 8 11 0 0 117 BASALOW	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER	R 10 % CK 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02.8 COEFF /AR.% 00.8 66.5 48.4 66.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9		489 TREES/ .OW 59 20 8 11 0 0 117 BASAL .OW 137 25	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35	242 595 HIGH 85 37 13 19 2 1 139 CCRE HIGH 185 45		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDATOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDATOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE	R 16 % CK 15 % CK 15 % CK 16 %	02.8 COEFF /AR.% 00.8 66.5 48.4 60.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6 55.0	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4		489 TREES/A LOW 59 20 8 11 0 0 117 BASAL LOW 137 25 23	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31	242 595 HIGH 85 37 13 19 2 1 139 CCRE HIGH 185 45 40		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDAL TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER	R 16 % CK 15 % CK 16 % CK	02.8 COEFF /AR.% 00.8 66.5 48.4 66.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9		489 TREES/ .OW 59 20 8 11 0 0 117 BASAL .OW 137 25	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35	242 595 HIGH 85 37 13 19 2 1 139 CCRE HIGH 185 45		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG	R 16 % CK 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	02.8 COEFF /AR.% 00.8 66.5 48.4 60.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6 55.0 156.0	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6		489 TREES/ COW 59 20 8 11 0 0 117 BASAL COW 137 25 23 16	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG SPRUCE WHEMLOG SNAG	R	02.8 COEFF /AR.% 00.8 66.5 448.4 660.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6 655.0 55.0 56.0	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6 73.5		489 TREES/A COW 59 20 8 11 0 0 117 BASAL COW 137 25 23 16 1	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29 7		# OF PLOT 5 101 # OF PLOT	S REQ. 10 25 S REQ.	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA	R	02.8 COEFF /AR.% 00.8 66.5 48.4 660.7 538.6 665.7 50.3 COEFF /AR.% 84.9 63.6 55.0 156.0 116.2	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6 73.5 99.9		489 TREES/A COW 59 20 8 11 0 0 117 BASAL ACOW 137 25 23 16 1 0	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23 4 1 255	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29 7 2		# OF PLOT 5 101 # OF PLOT 5	25 S REQ. 10	INF. POP	
WHEMLOO SNAG CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOO SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOO SNAG WR CEDA TOTAL CL: 68.1 CL: 68.1 CL: 68.1 CL: 68.1	R	02.8 COEFF /AR.% 00.8 66.5 48.4 660.7 338.6 665.7 50.3 COEFF /AR.% 84.9 63.6 55.0 156.0 416.2 665.7 37.7	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6 73.5 99.9	1	489 TREES/ LOW 59 20 8 11 0 0 117 BASAL LOW 137 25 23 16 1 0 238 NET BF	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23 4 1 255 /ACRE AVG	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29 7 2		# OF PLOT: 5 101 # OF PLOT: 5	25 S REQ. 10	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 DOUG FIR SD: 1.0 DOUG FIR SD: 1.0 DOUG FIR SNAG WR CEDA TOTAL	R	02.8 COEFF /AR.% 00.8 66.5 448.4 60.7 538.6 665.7 50.3 COEFF /AR.% 163.6 155.0 156.0 116.2 665.7 37.7 COEFF /AR.%	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6 73.5 99.9 6.7 S.E.% 13.9	1	489 TREES/ COW 59 20 8 11 0 0 117 BASAL COW 137 25 23 16 1 0 238 NET BF	197 542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23 4 1 255 /ACRE AVG 32,130	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29 7 2 272 HIGH 36,591		# OF PLOT 5 101 # OF PLOT 5 57 # OF PLOT	25 S REO. 10	INF. POP	
WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 DOUG FIR R ALDER S SPRUCE WHEMLOG SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 SNAG WR CEDA TOTAL CL: 68.1 SD: 1.0 SNAG WR CEDA TOTAL	R	02.8 COEFF /AR.% 00.8 66.5 448.4 60.7 538.6 665.7 50.3 COEFF /AR.% 163.6 55.0 156.0 116.2 665.7 37.7 COEFF	9.8 S.E.% 17.8 29.4 26.2 28.4 95.1 99.9 8.9 S.E.% 15.0 28.9 27.4 27.6 73.5 99.9 6.7	1	489 TREES/ LOW 59 20 8 11 0 0 117 BASAL LOW 137 25 23 16 1 0 238 NET BF	542 ACRE AVG 72 29 11 15 1 128 AREA/A AVG 161 35 31 23 4 1 255 /ACRE AVG	242 595 HIGH 85 37 13 19 2 1 139 CRE HIGH 185 45 40 29 7 2 272 HIGH		# OF PLOT 5 101 # OF PLOT 5 57 # OF PLOT	25 S REO. 10	INF. POP	

TC TST	ATS				STATIS JECT	STICS SALLYR			PAGE DATE 5	2 5/20/2020
TWP 04N	RGE 09W	SECT 23	TRACT 1B	TYPI 00M		ACRES 22.00	PLOTS 32	TREES 204	CuFt 1	BdFt W
CL; SD;	68.1 % 1.0	COE		NET LOW	BF/ACRI AVG	E HIGH		# OF PLO 5	TS REQ.	INF. POP
SNAC WR C	EDAR	565. 48.5		0 37,567	25 41,116	51 44,665		95	24	11

TC PSTNDSUM		Stand Ta	ble Summary	Page Date:	1 5/20/2020
T04N R09W S23 Ty00MC	62.00	Project	SALLYR	Time:	11:10:38AM
T04N R09W S23 Ty00MC	22.00	Acres	84.00	Grown Year	r:

S Spc T	рвн	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	Totals Tons Cunits		мвг
D	12	1	88	44	.757	.59	.76	15.0	30.0		11	23		10	2
D	14	3	86	62	1.669	1.78	2.78	15.8	46.0		44	128		37	11
D	15	6	87	92	2.908	3.57	5.33	23.9	85.5		127	456		07	38
D	16	4	88	99	1.704	2.38	3.83	24.9	93.3		95	358		80	30
D	17	5	88	109	1.887	2.97	4.53	28.1	103.3		127	468	1	07	39
D	18	3	86	90	1.010	1.78	2.02	32.0	113.3		65	229		54	19
D	19	1	88	121	.302	.59	.91	30.7	116.7		28	106		23	9
D	20	6	88	112	1.892	4.13	4.87	37.1	139.4		181	679		52	57
D	21	8	89	136	2.907	6.99	8.47	43.4	184.3		368	1,562		09	131
D	22	8	89	125	2.437	6.43	6.65	47.3	200.4		315	1,333		64	112
D	23	10	88	137	2.642	7.62	7.72	51.4	218.7		397	1,689		33	142
D	24	6	88	147	1.669	5.24	5.01	58.8	257.0		294	1,287		47	108
D	25	12	88	152	3.568	12.16	11.38	60.8	270.0	100	692	3,073		81	258
D	26	7	88	144	1.735	6.40	5.21	67.2	304.2		350	1,584		94	133
D	27	5	88	146	1.310	5.21	4.07	69.1	311.7		281	1,269		36	107
D	28	8	87	200	1.766	7.55	5.30	75.4	346.3		399	1,835		35	154
D	29	6	89	150	1.143	5.24	3.56	83.1	398.2	1	296	1,417		49	119
D	30	15	90	7.07	3.297	16.18	10.83	86.6	435.9		938	4,721		88	397
D	31	8	88	156	1.547	8.11	5.08	92.9	455.3		472	2,314		97	194
D	32	7	87	797.57	1.346	7.51	4.56	94.3	475.3		430	2,166		61	182
D	33	5	89	155	.783	4.65	2.54	106.9	559.4		272	1,422		28	119
D	34	7	87	165	1.103	6.96	3.86	107.9	551.8		416	2,129		50	179
D	35	6	87	167	1.036	6.92	3.97	107.4	579.1)	427	2,299		58	193
D	36	5	86	166	.737	5.21	2.54	123,2	639.2		312	1,621		62	136
D	37	1	86	169	.154	1.15	.62	111.5	577.5		69	357		58	30
D	38	4	88	169	.586	4.61	2.20	129.9	708.0	h	285	1,555		40	131
D	39	3	86	170	.417	3.46	1.53	132.7	709.1		203	1,084		71	91
D	40	2	87	100 C CT	.200	1.75	.67	154.8	800.9		104	536		87	45
D	42	2	83	162	.240	2.31	.84	155.1	774.3		130 125	650 653		09	55 55
D	45			160	.209	2.31		170.4	892.9						
D	Totals	166	88		42.963	151.80	122.36	67.4	318.7		8,252	39,001	6,9	_	3,276
H	13	2	87	78	1.736	1.60	2.65	20.3	70.3		54	186		45	16
H	15	2	88	64	1.304	1.60	1.99	22.5	70.0		45	139		38	12
Н	16	2	86	56	1.206	1.68	1.81	23.0	73.3		42	133		35	11
H	17	1	85	92	.534	.84	1.07	2000	90.0		27	96		22	8
H	19	1	88	117	.385	.76	1.15	34.3	136.7		40	158		33	13
H	20	1	89	113	.347	.76	1.04	37.0	150.0		39	156		32	13
Н	21	1	86	89	.350	.84	.70	49.0	175.0		34			29	10
H	24	4	82	91	.268	.84	.54	48.0	170.0		26			22	8
H	27	,	86	79	.191	.76	.38	71.5	260.0		27			23	8
Н	28	1	86	99	.177	.76	.35	91.0	360.0		32			27	п
H	Totals	13	87	78	6.498	10.44	11.68	31.2	112.0		365	1,309		06	110
S	11	2	84	42	1.790	1.18	1.79	13.5	40.0		24	72		20	6
S	12	1	82	17	,752	,59	.75	11.0	30.0		8	23		7	2
S	13	1	83	24	.634	.58	.63	13.0	30.0		8			7	2
S	14	1	82	33	.553	.59	.55	18.0	30.0		10	7 / / /		8	1
S	16	2	84	48	.842	1.18	.84	32.5	70.0		27			23	5
S	18	1	82	36	.334	.59	.33	31.0	50.0		10			9	1
S	20	1	82	37	.268	.58	.27	37.0	50.0		10			8	1
S	22	2	84	75	.443	1.17	.89	46.0	132.5		41	117		34	10
S	26	1	83	74	.159	.58	.32	65.5	220.0		21	70		17	6
S	27	2	83	80	.294	1.17	.59	73.0	240.0		43	141		36	10

TC PSTNDSUM		Stand Table Summary	Page 2 Date: 5/20/2020
T04N R09W S23 Ty00MC	62.00	Project SALLYR	Time: 11:10:38AM
T04N R09W S23 Ty00MC	22.00	Acres 84.00	Grown Year:

S Spc T	рвн	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	MBF
S	30	Ţ	83	82	.119	.58	.24	92.0	325.0		22	77		18	7
S	32	1	86	93	.105	.58	.21	119.5	465.0		25	97		21	8
S	34	1	83	81	.093	.58	.19	56.0	230.0		10	43		9	4
S	35	1	82	41	.087	.58	.09	114.0	70.0		10	6		8	1
S	37	1	85	99	.078	.58	.16	166.0	725.0		26	114		22	10
S	43	1	82	81	.058	.58	.12	186.5	715.0		22	83		18	7
S	47	1	82	90	.049	.59	.15	142.7	660.0		21	97		18	8
S	Totals	21	83	45	6.658	12.32	8.10	41.8	131.3		339	1,064		284	89
A	12	2	87	62	1.667	1.31	1.67	22.0	60.0		37	100		31	8
A	13	3	87	81	2.131	1.96	3.55	19.8	70.0		70	249		59	21
A	15	3	86	60	1.601	1.96	2.13	25.5	72.5		54	155		46	13
A	16	1	86	75	.469	.65	.94	25.5	85.0		24	80		20	7
A	18	3	86	68	1.112	1.96	1.85	32.4	92.0		60	170		50	14
A	20	2	87	58	.600	1.31	.90	39.0	120.0		35	108		29	9
A	Totals	14	87	68	7.580	9.17	11.04	25.4	78.0	/11	280	862		236	72
Totals		214	87	110	63.698	183.72	153.19	60.3	275.7		9,236	42,236		7,758	3,548

TC PLOGSTVB Log Stock Table - MBF Page T04N R09W S23 Ty00MC 62.00 Project: SALLYR Date 5/20/2020 T04N R09W S23 Ty00MC 22.00 Acres 84.00 Time 11:10:03AM % So Gr Log Net Volume by Scaling Diameter in Inches Gross Def Net Spp rt de Len MBF % MBF Spc 2-3 4-5 8-9 10-11 12-13 14-15 16-19 20-23 24-29 30-39 40+ DO CU 7 100.0 D DO CU 5 100.0 D DO CU 6 100.0 D 10 .3 10 DO 2S 24 10 D 6 .2 DO 2S 28 6 6 D DO 2S 30 13 13 .4 13 D 9 DO 2S 32 108 108 3.3 58 D 14 27 2 DO 2S 36 18 18 .5 11 D 4 DO 2S 38 2 .1 D 2,717 82.9 204 295 839 821 532 25 D DO 2S 40 2,744 5 DO 3S 16 12 12 .4 D D DO 3S 18 1 .0 D DO 3S 20 20 2.3 20 .6 14 5 7 .2 2 D DO 3S 24 7 5 D DO 3S 26 4 .1 1 2 D DO 3S 28 8 .2 4 2 2 D DO 3S 30 7 7 .2 2 5 2 D DO 3S 32 112 112 3.4 13 38 44 2 13 D DO 3S 34 6 .2 2 4 D DO 3S 36 20 20 .6 4 11 6 .2 7 D DO 3S 38 7 7 5.0 20 31 106 D DO 3S 40 165 164 7 11 3 .4 14 D DO 4S 16 14 18 1 D DO 4S .0 20 5 5 .2 3 D DO 4S 2 .2 2 3 D DO 4S 24 5 2 D DO 4S 26 2 . 1 1 1 2 D DO 4S 28 2 .1 2

.1

92.3

3.5

6.0

60.5

3,276

54

3

65

110

189

253

10

336

912

22

830

7

546

3

15

35

5

D

D

S

S

S

S

S

S

DO 4S

DO CU

DO CU

DO CU

DO 2S

DO 2S

DO 2S

Totals

30

10

12

16

24

40

4 16.0

1 100.0

2 100.0

3 100.0

3

5

54

3,324

 TC PLOGSTVB
 Log Stock Table - MBF

 T04N R09W S23 Ty00MC
 62.00 T04N R09W S23 Ty00MC
 Project: SALLYR Acres
 SALLYR 84.00
 Date 5/20/2020 Time 11:10:03AM

S	So Gr	Log	Gross	Def	Net	%			Net Vol	ime by	Scaling	Dian	eter in	Inches		
Spp T	rt de	Len	MBF		MBF	Spc	2-3	4-5	6-7	8-9	10-11 1	2-13	14-15	16-19	20-23 24-29	30-39 40+
S	DO 3S	16	0		0	.3					0		-			
S	DO 3S	30	2		2	2.1			2						life and	
S	DO 3S	32	11		11	12.5			5	4					3	
S	DO 3S	34	0		0	.3			0						1	
S	DO 3S	38	1		1	.6			1							
S	DO 3S	40	3		3	3.6			2	1						
S	DO 4S	16	2		2	2.1				2						
S	DO 4S	18	i		1	.6			1							
S	DO 4S	20	5		5	5.3			4	1						
S	DO 4S	24	1		1	.8			1							
S	DO 4S	26	1		Ī	1.6			1							
S	Tota	s	96	7.0	89	2.5			17	7	0	10		22	10 18	5
Н	DO CI	J 6	5	100.0												
н	DO 2S	40	49		49	44.7							33	16		
н	DO 3S	24	1		1	.9				1						
Н	DO 3S	32	2		2	1.6			2							
Н	DO 3S	36	7		7	6.7				3	4					
Н	DO 3S	38	4		4	3.3			4							
Н	DO 3S	40	32		32	29.3				18	14					
Н	DO 4S	16	4		4	3.5			4							
Н	DO 4S	24	1		1	1.2			1							
Н	DO 4S	26	3		3	3.1	1		2	1						
Н	DO 4S	30	2		2	1.8			2							
Н	DO 4S	36	4		4	3.8			4							
H	Tota	ls	115	4.1	110	3.1			19	23	18		33	16		
Α	DO 18	32	5		5	6.6						5				
A	DO 28	34	4		4	5.2					4					
A	DO 2S	40	24		24	32.9				-	24				-	
A	DO 38	40	14		14	19.8				14						
A	DO 48	18	1		í	1,1			1							
A	DO 48	20	4		4	5.3			4							
A	DO 48	24	2		2	2.5			2							
A	DO 48	36	6		6	8.7			6						1 10 1	

T04N R09W S23 Ty00MC 62.00 T04N R09W S23 Ty00MC 22.00						Project: SALLYR Acres 84.00								Page Date Time	5/2	3 0/2020 10:03		
	s	So Gr Log	Gross	Def	Net	%	· -	Net Volume by Scaling Diameter in Inches										
Spp	T	rt de Len	ATT ASSOCIATION IN	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40-
A		DO 4S 40	13		13	17.9			13									
A		Totals	72		72	2.0			26	14	28	5						
Total		All Species	3,607	1.7	3,548	100.0			127	154	235	267	369	951	840	564	40	

