



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wolfsam  
Sale FG-341-2021-W00242-01

District: Forest Grove

Date: April 30, 2020

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**Cost Summary**

|                         | Conifer      | Hardwood          | Total         |
|-------------------------|--------------|-------------------|---------------|
| Gross Timber Sale Value | \$795,296.49 | \$0.00            | \$795,296.49  |
|                         |              | Project Work:     | (\$47,390.00) |
|                         |              | Advertised Value: | \$747,906.49  |



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**Timber Description**

**Location:** Portions of sections 3 & 10, T3N, R6W, W.M., Tillamook County, Oregon.

**Stand Stocking:** 20%

| Specie Name   | AvgDBH | Amortization (%) | Recovery (%) |
|---------------|--------|------------------|--------------|
| Douglas - Fir | 22     | 0                | 98           |

| Volume by Grade | 2S    | 3S & 4S 6"-11" | Total |
|-----------------|-------|----------------|-------|
| Douglas - Fir   | 1,244 | 419            | 1,663 |
| <b>Total</b>    | 1,244 | 419            | 1,663 |

**Comments:** Pond Values Used: Local Pond Values, March 2020.

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:  
 $\$333.53/\text{MBF} = \$538/\text{MBF} - \$204.47/\text{MBF}$

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:  
 $\$930.53/\text{MBF} = \$1,135/\text{MBF} - \$204.47/\text{MBF}$

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:  
 $\$328.53/\text{MBF} = \$533/\text{MBF} - \$204.47/\text{MBF}$

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

Other Costs (No Profit & Risk added):  
Machine Time to Block/Waterbar Roads, and Skid Trails:  
 $20 \text{ hours} \times \$150/\text{hour} = \$3,000$   
Machine Time to Pile Landing Slash:  
 $10 \text{ hours} \times \$150/\text{hour} = \$1,500$   
Equipment Cleaning: 3 pieces  $\times \$1,000/\text{Piece} = \$3,000$   
Intermediate Supports: 4 @ \$200 each = \$800  
TOTAL Other Costs (No Profit & Risk added) = \$8,300

#### ROAD MAINTENANCE

General Road Maintenance (includes move-in, grader, roller):  $3.32 \text{ miles} \times \$2,690.54/\text{mile} = \$8,932.59$   
TOTAL Road Maintenance:  $\$8,932.59/1,663 \text{ MBF} = \$5.37/\text{MBF}$



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**Logging Conditions**

|                          |                                                   |                            |                                  |
|--------------------------|---------------------------------------------------|----------------------------|----------------------------------|
| <b>Combination#:</b>     | 1                                                 | Douglas - Fir              | 55.60%                           |
| <b>Logging System:</b>   | Cable: Medium Tower >40 - <70                     |                            | <b>Process:</b> Manual Delimbing |
| <b>yarding distance:</b> | Medium (800 ft)                                   |                            | <b>downhill yarding:</b> No      |
| <b>tree size:</b>        | Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF |                            |                                  |
| <b>loads / day:</b>      | 10                                                | <b>bd. ft / load:</b> 4800 |                                  |
| <b>cost / mbf:</b>       | \$127.08                                          |                            |                                  |
| <b>machines:</b>         | Log Loader (A)<br>Tower Yarder (Medium)           |                            |                                  |

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|                          |                                                   |                            |                                  |
|--------------------------|---------------------------------------------------|----------------------------|----------------------------------|
| <b>Combination#:</b>     | 2                                                 | Douglas - Fir              | 44.40%                           |
| <b>Logging System:</b>   | Shovel                                            |                            | <b>Process:</b> Manual Delimbing |
| <b>yarding distance:</b> | Medium (800 ft)                                   |                            | <b>downhill yarding:</b> No      |
| <b>tree size:</b>        | Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF |                            |                                  |
| <b>loads / day:</b>      | 12                                                | <b>bd. ft / load:</b> 4800 |                                  |
| <b>cost / mbf:</b>       | \$57.77                                           |                            |                                  |
| <b>machines:</b>         | Shovel Logger                                     |                            |                                  |

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"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Wolfsam Sale FG-341-2021-W00242-01

**District: Forest Grove**

**Date: April 30, 2020**

## Logging Costs

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Operating Seasons:</b> 1.00    | <b>Profit Risk:</b> 15%          |
| <b>Project Costs:</b> \$47,390.00 | <b>Other Costs (P/R):</b> \$0.00 |
| <b>Slash Disposal:</b> \$0.00     | <b>Other Costs:</b> \$8,300.00   |

**Miles of Road**

**Road Maintenance:** \$5.37

| Dirt | Rock<br>(Contractor) | Rock<br>(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        |



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Wolfsam Sale FG-341-2021-W00242-01

District: Forest Grove

Date: April 30, 2020

## Logging Costs Breakdown

| Logging       | Road Maint | Fire Protect | Hauling | Other P/R appl | Profit & Risk | Slash Disposal | Brand & Paint | Other  | Total    |
|---------------|------------|--------------|---------|----------------|---------------|----------------|---------------|--------|----------|
| Douglas - Fir |            |              |         |                |               |                |               |        |          |
| \$96.31       | \$5.48     | \$2.64       | \$67.29 | \$0.00         | \$25.76       | \$0.00         | \$2.00        | \$4.99 | \$204.47 |

| Specie        | Amortization | Pond Value | Stumpage | Amortized |
|---------------|--------------|------------|----------|-----------|
| Douglas - Fir | \$0.00       | \$682.70   | \$478.23 | \$0.00    |



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Wolfsam  
Sale FG-341-2021-W00242-01

District: Forest Grove

Date: April 30, 2020

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**Summary**

**Amortized**

| Specie        | MBF | Value  | Total  |
|---------------|-----|--------|--------|
| Douglas - Fir | 0   | \$0.00 | \$0.00 |

**Unamortized**

| Specie        | MBF   | Value    | Total        |
|---------------|-------|----------|--------------|
| Douglas - Fir | 1,663 | \$478.23 | \$795,296.49 |

**Gross Timber Sale Value**

**Recovery:** \$795,296.49

**Prepared By:** Kenton Burns

**Phone:** 503-359-7477

**TIMBER SALE SUMMARY**  
**Wolfsam**  
**#FG-341-2021-W00242-01**

1. **Location:** Portions of Sections 3 & 10, T3N, R6W, W.M., Tillamook County, Oregon.
2. **Type of Sale:** This timber sale is 66 acres of Light Partial Cut in two units, and one Right-of-Way Unit. Unit 1 is 22 acres, Unit 2 is 44 acres, and Unit 3 is 3 acres of Right-of-Way. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF, 100% Tillamook County, Tax Code 56-1.
4. **Sale Acreage:** Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The timber sale was cruised by ODF Cruisers Kenton Burns and Mark Savage in April of 2020. For more information see Cruise Report.
6. **Timber Description:** Units 1 and 2 are both two well stocked Douglas-fir stands with minor amounts of western hemlock, western redcedar, noble fir, and red alder. Unit 1 is 79 years old, and Unit 2 is 85 years old. Unit 3 is 3 acres of Right-of-Way that consists of portions of both stands, as well as approximately a half acre of 30 year-old Douglas-fir.

The following table summarizes the ODF cruise estimates for trees to be harvested. Estimates for Units 1 and 2 are based solely on Douglas-fir cruise data.

| Sale Unit | Net Acres | Average DBH | Trees/Acre | Net MBF/Acre |
|-----------|-----------|-------------|------------|--------------|
| Unit 1    | 22        | 21          | 45         | 25           |
| Unit 2    | 44        | 23          | 32         | 23           |
| Unit 3    | 3         | 19          | 154        | 52           |

7. **Topography and Logging Method:** Slopes within the Timber Sale Area range from 5% to 80% and are variable in aspect. Elevations range from 1,480 to 2,120 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 Unit in feet.

| Sale Unit | Tractor |         |     | Cable   |         |    |
|-----------|---------|---------|-----|---------|---------|----|
|           | Average | Maximum | %   | Average | Maximum | %  |
| Unit 1    | 80      | 100     | 20  | 350     | 650     | 80 |
| Unit 2    | 200     | 500     | 49  | 400     | 750     | 51 |
| Unit 3    | 25      | 50      | 100 | NA      | NA      | 0  |

8. **Access:** All access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 47 through Banks, then merge onto Highway 26 west-bound and continue for approximately 20 miles. Between the mile markers 31 and 32, turn left onto the Salmonberry Road and Unit 1 of the Timber Sale Area is on the left.

9. **Projects:**

|                                             |             |
|---------------------------------------------|-------------|
| Project No. 1: Rocked Road Construction     | \$6,000.68  |
| Project No. 2: Unsurfaced Road Construction | \$8,337.44  |
| Project No. 3: Road Improvement             | \$22,006.73 |
| Project No. 4: Road Vacating                | \$2,864.87  |
| Project No. 5: Project Work Maintenance     | \$8,180.28  |
| Total Credits:                              | \$47,390.00 |

**PROJECT COST SUMMARY SHEET**

Timber Sale: Wolf Sam  
Sale Number: FG-341-2021-W00242-01

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

|                                   | <u>Road Segment</u> | <u>Length</u> | <u>Cost</u>              |
|-----------------------------------|---------------------|---------------|--------------------------|
|                                   | <u>C to D</u>       | <u>6+15</u>   | <u>\$5,201.24</u>        |
|                                   |                     | 6+15 stations |                          |
|                                   |                     | 0.12 miles    |                          |
| Total Rock =                      | 393 cy              | 3" - 0        |                          |
|                                   |                     | Move-in =     | <u>\$799.44</u>          |
| <b>TOTAL PROJECT NO. 1 COST =</b> |                     |               | <b><u>\$6,000.68</u></b> |

**PROJECT NO. 2: UNSURFACED ROAD CONSTRUCTION**

|                                   | <u>Road Segment</u> | <u>Length</u>  | <u>Cost</u>              |
|-----------------------------------|---------------------|----------------|--------------------------|
|                                   | <u>A to B</u>       | <u>16+00</u>   | <u>\$7,226.69</u>        |
|                                   |                     | 16+00 stations |                          |
|                                   |                     | 0.30 miles     |                          |
| Total Rock =                      | 30 cy               | 1½" - 0        |                          |
|                                   |                     | Move-in =      | <u>\$1,110.75</u>        |
| <b>TOTAL PROJECT NO. 2 COST =</b> |                     |                | <b><u>\$8,337.44</u></b> |

**PROJECT NO. 3: ROAD IMPROVEMENT**

|                                   | <u>Road Segment</u> | <u>Length</u>  | <u>Cost</u>               |
|-----------------------------------|---------------------|----------------|---------------------------|
|                                   | E to F              | 13+45          | \$2,579.94                |
|                                   | G to H              | 31+00          | \$5,292.90                |
|                                   | I to J              | 2+12           | \$436.46                  |
|                                   | K to L              | 34+00          | \$7,123.70                |
|                                   | Point M             | -              | \$1,559.40                |
|                                   | Point N             | -              | \$2,082.50                |
|                                   |                     | 13+45 stations |                           |
|                                   |                     | 0.25 miles     |                           |
| Total Rock =                      | 60 cy               | 1½" - 0        |                           |
|                                   | 2670 cy             | 3" - 0         |                           |
|                                   |                     | Move-in =      | <u>\$2,931.83</u>         |
| <b>TOTAL PROJECT NO. 3 COST =</b> |                     |                | <b><u>\$22,006.73</u></b> |

**PROJECT NO. 4: ROAD VACATING**

|                                   | <u>Road Segment</u> | <u>Length</u>  | <u>Cost</u>              |
|-----------------------------------|---------------------|----------------|--------------------------|
|                                   | <u>A to B</u>       | <u>16+00</u>   | <u>\$1,106.00</u>        |
|                                   |                     | 16+00 stations |                          |
|                                   |                     | 0.30 miles     |                          |
|                                   |                     | Move-in =      | <u>\$1,758.87</u>        |
| <b>TOTAL PROJECT NO. 4 COST =</b> |                     |                | <b><u>\$2,864.87</u></b> |

**PROJECT NO. 5: PROJECT WORK MAINTENANCE**

**TOTAL PROJECT 5 COST =** **\$8,180.28**

**TOTAL CREDITS** **\$47,390.00**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
Road Segment: A to B

Sale Number: FG-341-2021-W00242-01  
Construction: 16+00 stations  
0.30 miles

## PROJECT NO. 2

### CONSTRUCTION

|                               |       |       |            |           |            |
|-------------------------------|-------|-------|------------|-----------|------------|
| Clearing & grubbing (scatter) | 1.84  | ac @  | \$1,078.00 | per ac =  | \$1,983.52 |
| Balanced road construction    | 16.00 | sta @ | \$110.00   | per sta = | \$1,760.00 |
| Turnouts                      | 1     | ea @  | \$66.00    | per ea =  | \$66.00    |
| Turnarounds                   | 1     | ea @  | \$82.50    | per ea =  | \$82.50    |
| Landing                       | 1     | ea @  | \$220.00   | per ea =  | \$220.00   |
| Construction of posts         | 1     | ea @  | \$500.00   | per ea =  | \$500.00   |
| Gate                          | 1     | ea @  | \$347.15   | per ea =  | \$347.15   |
| Post and gate install         | 1     | ea @  | \$274.00   | per ea =  | \$274.00   |
| Grade, ditch, & roll          | 16.00 | sta @ | \$36.00    | per sta = | \$576.52   |

**TOTAL CONSTRUCTION COSTS = \$5,809.69**

### CULVERTS

#### Culverts and Bands

|                 |    |      |         |          |          |
|-----------------|----|------|---------|----------|----------|
| 18" Diameter    | 40 | LF @ | \$20.00 | per LF = | \$800.00 |
| Culvert markers | 1  | ea @ | \$10.00 | per ea = | \$10.00  |

**TOTAL CULVERT COSTS = \$810.00**

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY  | Rock Cost       |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|-----------|-----------------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |           |                 |
| Junction              | 1½" - 0   | \$0.93          | \$2.75          | \$1.22                           | 30        | \$147.00        |
|                       |           |                 |                 | <b>Subtotal =</b>                | <b>30</b> | <b>\$147.00</b> |

Totals

|            |    |
|------------|----|
| All Rock = | 30 |
| 1½" - 0 =  | 30 |

**TOTAL ROCK COSTS = \$147.00**

### EROSION CONTROL

|                         |      |      |          |          |          |
|-------------------------|------|------|----------|----------|----------|
| Grass seed & fertilizer | 0.92 | ac @ | \$500.00 | per ac = | \$460.00 |
|-------------------------|------|------|----------|----------|----------|

**TOTAL EROSION CONTROL COSTS = \$460.00**

**TOTAL PROJECT COST = \$7,226.69**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
Road Segment: C to D

Sale Number: FG-341-2021-W00242-01  
Construction: 6+15 stations  
0.12 miles

## PROJECT NO. 1

### CONSTRUCTION

|                               |      |       |            |           |          |
|-------------------------------|------|-------|------------|-----------|----------|
| Clearing & grubbing (scatter) | 0.71 | ac @  | \$1,078.00 | per ac =  | \$765.38 |
| Balanced road construction    | 6.15 | sta @ | \$110.00   | per sta = | \$676.50 |
| Turnarounds                   | 1    | ea @  | \$82.50    | per ea =  | \$82.50  |
| Landing                       | 1    | ea @  | \$220.00   | per ea =  | \$220.00 |
| Grade, ditch, & roll          | 6.15 | sta @ | \$36.00    | per sta = | \$221.40 |

**TOTAL CONSTRUCTION COSTS = \$1,965.78**

### CULVERTS

#### Culverts and Bands

|                 |    |      |         |          |          |
|-----------------|----|------|---------|----------|----------|
| 18" Diameter    | 40 | LF @ | \$20.00 | per LF = | \$800.00 |
| Culvert markers | 1  | ea @ | \$10.00 | per ea = | \$10.00  |

**TOTAL CULVERT COSTS = \$810.00**

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost  |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|----------|------------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |          |            |
| Base rock             | 3" - 0    | \$0.93          | \$3.57          | \$1.22                           | 273      | \$1,561.56 |
| Junction              | 3" - 0    | \$0.93          | \$3.57          | \$1.22                           | 24       | \$137.28   |
| Turnaround            | 3" - 0    | \$0.93          | \$3.57          | \$1.22                           | 16       | \$91.52    |
| 50' Landing           | 3" - 0    | \$0.93          | \$3.57          | \$1.22                           | 80       | \$457.60   |
| Subtotal =            |           |                 |                 |                                  | 393      | \$2,247.96 |

Totals

|            |     |
|------------|-----|
| All Rock = | 393 |
| 3" - 0 =   | 393 |

**TOTAL ROCK COSTS = \$2,247.96**

### EROSION CONTROL

|                         |      |      |          |          |          |
|-------------------------|------|------|----------|----------|----------|
| Grass seed & fertilizer | 0.36 | ac @ | \$500.00 | per ac = | \$177.50 |
|-------------------------|------|------|----------|----------|----------|

**TOTAL EROSION CONTROL COSTS = \$177.50**

**TOTAL PROJECT COST = \$5,201.24**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: E to F

Sale Number: FG-341-2021-W00242-01  
 Improvement: 13+45 stations  
0.25 miles

## PROJECT NO. 3

### IMPROVEMENT

|                              |       |       |          |           |          |
|------------------------------|-------|-------|----------|-----------|----------|
| Clean culvert inlet & outlet | 2     | ea @  | \$25.00  | per ea =  | \$50.00  |
| Improve Turnouts             | 1     | ea @  | \$33.00  | per ea =  | \$33.00  |
| Construct Turnarounds        | 1     | ea @  | \$82.50  | per ea =  | \$82.50  |
| Improve 50' landing          | 1     | ea @  | \$110.00 | per ea =  | \$110.00 |
| Grade, ditch, & roll         | 13.45 | sta @ | \$36.00  | per sta = | \$484.20 |

TOTAL IMPROVEMENT COSTS = \$759.70

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost  |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|----------|------------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |          |            |
| Surfacing rock        | 3" - 0    | \$0.93          | \$1.70          | \$1.10                           | 417      | \$1,555.41 |
| Turnout               | 3" - 0    | \$0.93          | \$1.70          | \$1.10                           | 14       | \$52.22    |
| Turnaround            | 3" - 0    | \$0.93          | \$1.70          | \$1.10                           | 10       | \$37.30    |
| 50' Landing           | 3" - 0    | \$0.93          | \$1.70          | \$1.10                           | 47       | \$175.31   |
|                       |           |                 |                 | Subtotal =                       | 488      | \$1,820.24 |

Totals

|            |     |
|------------|-----|
| All Rock = | 488 |
| 3" - 0 =   | 488 |

TOTAL ROCK COSTS = \$1,820.24

TOTAL PROJECT COST = \$2,579.94

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
Road Segment: G to H

Sale Number: FG-341-2021-W00242-01  
Improvement: 31+00 stations  
0.59 miles

## PROJECT NO. 3

### IMPROVEMENT

|                              |       |       |          |           |            |
|------------------------------|-------|-------|----------|-----------|------------|
| Clean culvert inlet & outlet | 3     | ea @  | \$25.00  | per ea =  | \$75.00    |
| Improve Turnarounds          | 2     | ea @  | \$41.25  | per ea =  | \$82.50    |
| Improve 50' landing          | 1     | ea @  | \$110.00 | per ea =  | \$110.00   |
| Grade, ditch, & roll         | 31.00 | sta @ | \$36.00  | per sta = | \$1,116.00 |

TOTAL IMPROVEMENT COSTS = \$1,383.50

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost  |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|----------|------------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |          |            |
| Surfacing rock        | 3" - 0    | \$0.93          | \$1.76          | \$1.10                           | 961      | \$3,642.19 |
| Turnout               | 3" - 0    | \$0.93          | \$1.76          | \$1.10                           | 14       | \$53.06    |
| Turnaround            | 3" - 0    | \$0.93          | \$1.76          | \$1.10                           | 10       | \$37.90    |
| 50' Landing           | 3" - 0    | \$0.89          | \$1.76          | \$1.10                           | 47       | \$176.25   |
| Subtotal =            |           |                 |                 |                                  | 1,032    | \$3,909.40 |

Totals

|            |       |
|------------|-------|
| All Rock = | 1,032 |
| 3" - 0 =   | 1,032 |

TOTAL ROCK COSTS = \$3,909.40

**TOTAL PROJECT COST = \$5,292.90**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: I to J

Sale Number: FG-341-2021-W00242-01  
 Improvement: 2+12 stations  
0.04 miles

## PROJECT NO. 3

### IMPROVEMENT

|                      |      |       |          |           |          |
|----------------------|------|-------|----------|-----------|----------|
| Improve 50' landing  | 1    | ea @  | \$110.00 | per ea =  | \$110.00 |
| Grade, ditch, & roll | 2.12 | sta @ | \$36.00  | per sta = | \$76.32  |

**TOTAL IMPROVEMENT COSTS = \$186.32**

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|----------|-----------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |          |           |
| Surfacing rock        | 3" - 0    | \$0.93          | \$1.76          | \$1.10                           | 66       | \$250.14  |
| Subtotal =            |           |                 |                 |                                  | 66       | \$250.14  |

|        |            |    |
|--------|------------|----|
| Totals | All Rock = | 66 |
|        | 3" - 0 =   | 66 |

**TOTAL ROCK COSTS = \$250.14**

**TOTAL PROJECT COST = \$436.46**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: K to L

Sale Number: FG-341-2021-W00242-01  
 Improvement: 34+00 stations  
0.64 miles

## PROJECT NO. 3

### IMPROVEMENT

|                              |       |       |         |           |                   |
|------------------------------|-------|-------|---------|-----------|-------------------|
| Clean culvert inlet & outlet | 2     | ea @  | \$25.00 | per ea =  | \$50.00           |
| Grade, ditch, & roll         | 34.00 | sta @ | \$36.00 | per sta = | <u>\$1,224.00</u> |

TOTAL IMPROVEMENT COSTS = \$1,274.00

### ROCK

|                       | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost  |
|-----------------------|-----------|-----------------|-----------------|----------------------------------|----------|------------|
| <b>Surfacing rock</b> |           |                 |                 |                                  |          |            |
| Surfacing rock        | 3" - 0    | \$0.93          | \$3.52          | \$1.10                           | 1,054    | \$5,849.70 |
|                       |           |                 |                 | Subtotal =                       | 1,054    | \$5,849.70 |

Totals

|            |       |
|------------|-------|
| All Rock = | 1,054 |
| 3" - 0 =   | 1,054 |

TOTAL ROCK COSTS = \$5,849.70

**TOTAL PROJECT COST = \$7,123.70**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: Point M

Sale Number: FG-341-2021-W00242-01  
 Improvement: + stations  
0.00 miles

## PROJECT NO. 3

### IMPROVEMENT

#### End-haul

|                    |    |      |        |          |         |
|--------------------|----|------|--------|----------|---------|
| Excavate & load    | 50 | cy @ | \$0.66 | per cy = | \$33.00 |
| Haul               | 65 | cy @ | \$0.66 | per cy = | \$42.90 |
| Compact waste area | 65 | cy @ | \$0.30 | per cy = | \$19.50 |

TOTAL IMPROVEMENT COSTS = \$95.40

### CULVERTS

#### Culverts and Bands

|              |    |      |         |          |          |
|--------------|----|------|---------|----------|----------|
| 24" Diameter | 30 | LF @ | \$29.00 | per LF = | \$870.00 |
|--------------|----|------|---------|----------|----------|

#### Markers & Stakes

|                 |   |      |         |          |         |
|-----------------|---|------|---------|----------|---------|
| Culvert Markers | 1 | ea @ | \$10.00 | per ea = | \$10.00 |
|-----------------|---|------|---------|----------|---------|

#### Additional Installation Cost

|                  |   |       |          |          |          |
|------------------|---|-------|----------|----------|----------|
| Puncheon removal | 2 | hrs @ | \$175.00 | per hr = | \$350.00 |
|------------------|---|-------|----------|----------|----------|

TOTAL CULVERT COSTS = \$1,230.00

### ROCK

|                      | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost |
|----------------------|-----------|-----------------|-----------------|----------------------------------|----------|-----------|
| <b>Subgrade rock</b> |           |                 |                 |                                  |          |           |
| Surfacing Rock       | 3" - 0    | \$0.93          | \$1.64          | \$1.10                           | 30       | \$110.10  |
| Bedding and backfill | 1½" - 0   | \$0.93          | \$1.64          | \$0.50                           | 20       | \$61.40   |
| Subtotal =           |           |                 |                 |                                  | 50       | \$171.50  |

Totals

|            |    |
|------------|----|
| All Rock = | 50 |
| 1½" - 0 =  | 20 |
| 3" - 0 =   | 30 |

TOTAL ROCK COSTS = \$171.50

### EROSION CONTROL

#### Grass seed & fertilizer

|      |      |          |          |         |
|------|------|----------|----------|---------|
| 0.10 | ac @ | \$425.00 | per ac = | \$42.50 |
|------|------|----------|----------|---------|

#### Straw mulch bale

|   |      |         |          |         |
|---|------|---------|----------|---------|
| 2 | ea @ | \$10.00 | per ea = | \$20.00 |
|---|------|---------|----------|---------|

TOTAL EROSION CONTROL COSTS = \$62.50

**TOTAL PROJECT COST = \$1,559.40**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: Point N

Sale Number: FG-341-2021-W00242-01  
 Improvement: + stations  
0.00 miles

## PROJECT NO. 3

### IMPROVEMENT

Remove existing culverts 2 ea @ \$150.00 per ea = \$300.00

TOTAL IMPROVEMENT COSTS = \$300.00

### CULVERTS

Culverts and Bands 30" Diameter 40 LF @ \$39.00 per LF = \$1,560.00

Markers & Stakes 1 ea @ \$10.00 per ea = \$10.00

TOTAL CULVERT COSTS = \$1,570.00

### ROCK

|                      | Rock Size | Base Cost \$/cy | Haul Cost \$/cy | Placement/ Processing Cost \$/cy | Total CY | Rock Cost |
|----------------------|-----------|-----------------|-----------------|----------------------------------|----------|-----------|
| <b>Subgrade rock</b> |           |                 |                 |                                  |          |           |
| Bedding and backfill | 1½" - 0   | \$0.93          | \$1.82          | \$0.50                           | 40       | \$130.00  |
|                      |           |                 |                 | Subtotal =                       | 40       | \$130.00  |

|        |            |    |
|--------|------------|----|
| Totals | All Rock = | 40 |
|        | 1½" - 0 =  | 40 |

TOTAL ROCK COSTS = \$130.00

### EROSION CONTROL

Grass seed & fertilizer 0.10 ac @ \$425.00 per ac = \$42.50  
 Straw mulch bale 4 ea @ \$10.00 per ea = \$40.00

TOTAL EROSION CONTROL COSTS = \$82.50

**TOTAL PROJECT COST = \$2,082.50**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam

Sale Number: FG-341-2021-W00242-01

Maintenance 227+23 stations  
4.30 miles

**PROJECT NO. 5**

**ROAD MAINTENANCE**

Grade, ditch, & roll 227.23 sta @ \$36.00 per sta = \$8,180.28

TOTAL IMPROVEMENT COSTS = \$8,180.28

**TOTAL PROJECT 5 COST = \$8,180.28**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam  
 Road Segment: A to B

Sale Number: FG-341-2021-W00242-01  
 Vacating: 16+00 stations  
0.30 miles

## PROJECT NO. 4

|                          |       |       |          |           |          |
|--------------------------|-------|-------|----------|-----------|----------|
| Construct tank traps     | 1     | ea @  | \$55.00  | per ea =  | \$55.00  |
| Construct waterbars      | 4     | ea @  | \$27.50  | per ea =  | \$110.00 |
| Rip rocked road surface  | 0.00  | sta @ | \$50.00  | per sta = | \$0.00   |
| Rip dirt road surface    | 16.00 | sta @ | \$25.00  | per sta = | \$400.00 |
| Rip & narrow landing     | 0     | ea @  | \$150.00 | per ea =  | \$0.00   |
| Remove existing culverts | 1     | ea @  | \$150.00 | per ea =  | \$150.00 |
| Grass seed & fertilizer  | 0.92  | ac @  | \$425.00 | per ac =  | \$391.00 |

**TOTAL PROJECT COST = \$1,106.00**

## QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Wolf Sam  
Sale Number: FG-341-2021-W00242-01  
Stockpile Names: Rock Creek Ridge  
& Camp 5

1 1/2" - 0: 90 cy (truck measure)  
3" - 0: 3,063 cy (truck measure)  
Total truck yardage: 3,153 cy

### Move-in & Within Area Move

Move in loader \$206.25  
Move in Dump Trucks \$193.88

Subtotal = \$400.13  
Per CY = \$0.13/cy

### Base Cost

Load dump truck \$1.60 / cy x 0 cy = \$0.00  
Load dump truck \$0.80 / cy x 3,153 cy = \$2,522.40

Subtotal = \$2,522.40  
Per CY = \$0.80/cy

Total = \$2,922.53

1 1/2"-0 Cost = \$0.93/cy  
3"-0 Cost = \$0.93/cy

## SUMMARY OF CONSTRUCTION COST

Timber Sale: Wolf Sam

Sale Number: FG-341-2021-W00242-01

### MOVE-IN, WITHIN AREA MOVE, & EQUIPMENT CLEANING COSTS

| <u>Equipment</u>                       | <u>Total</u>                        |
|----------------------------------------|-------------------------------------|
| Grader                                 | \$707.17                            |
| Roller (smooth/grid) & Compactor       | \$459.65                            |
| Excavator (Large) - Equipment Cleaning | \$1,758.87                          |
| Dozer (Large) - Equipment Cleaning     | \$1,780.49                          |
| Water Truck (1,500 Gal)                | <u>\$128.36</u>                     |
|                                        | <b><u>TOTAL MOVE-IN COSTS =</u></b> |
|                                        | <b><u>\$4,842.02</u></b>            |

**CRUISE REPORT**  
**Wolfsam**  
**#FG-341-2021-W00242-01**

**1. LOCATION:** Portions of Sections 3 & 10, T3N, R6W, W.M., Tillamook County, Oregon.

**2. CRUISE DESIGN:** Pre-cruise evaluation indicated that the stand's average DBH is approximately 19 inches with a Coefficient of Variation of about 50%. 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 30 variable radius plots utilizing a 20 BAF prism would produce an adequate sample size.

**3. SAMPLING METHOD:** The Timber Sale Area was cruised in April, 2020. Unit 1 was sampled with 10 variable radius grade plots laid out on a 6 chain x 4 chain grid. Unit 2 was sampled with 21 variable radius grade plots laid out on a 5 chain x 5 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain. In Units 1 & 2 cruisers chose 'take' trees to simulate thinning from above to 180 ft<sup>2</sup> of residual Basal Area.

**4. CRUISE RESULTS:** 150 'take' trees were measured and graded producing a cumulative Sampling Error of 10.8% on the Basal Area and 10.1% 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.

**6. DATA PROCESSING:**

a) **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.

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

|              |                     |                  |
|--------------|---------------------|------------------|
| Prepared by: | <u>Kenton Burns</u> | <u>4/29/2020</u> |
|              | Name                | Date             |

|              |                    |                  |
|--------------|--------------------|------------------|
| Reviewed by: | <u>Mark Savage</u> | <u>4/29/2020</u> |
|              | Name               | Date             |

## RESIDUAL STAND SPECIFICATIONS

Wolfsam  
#FG-341-2021-W00242-01

### Unit 1

Residual QMD assumption (from leave tree cruise information) = 

|    |
|----|
| 17 |
|----|

  
Target Relative Density = 

|    |
|----|
| 41 |
|----|

|                  | Minimum | Target | Maximum |
|------------------|---------|--------|---------|
| Relative Density | 41      | 44     | 46      |
| Basal Area       | 170     | 180    | 190     |
| Trees per Acre   | 108     | 114    | 121     |

### Unit 2

Residual QMD assumption (from leave tree cruise information) = 

|    |
|----|
| 17 |
|----|

  
Target Relative Density = 

|    |
|----|
| 41 |
|----|

|                  | Minimum | Target | Maximum |
|------------------|---------|--------|---------|
| Relative Density | 41      | 44     | 46      |
| Basal Area       | 170     | 180    | 190     |
| Trees per Acre   | 108     | 114    | 121     |

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

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

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

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

| TC PSTATS                                                        |      |       |                   | PROJECT STATISTICS |        |           |        | PAGE            | 1         |           |        |
|------------------------------------------------------------------|------|-------|-------------------|--------------------|--------|-----------|--------|-----------------|-----------|-----------|--------|
|                                                                  |      |       |                   | PROJECT            | WLFSAM |           |        | DATE            | 4/21/2020 |           |        |
| TWP                                                              | RGE  | SC    | TRACT             | TYPE               | ACRES  |           | PLOTS  | TREES           | CuFt      | BdFt      |        |
| 03N                                                              | 06   | 03    | 00U1              | 00PC               | 22.00  |           | 10     | 143             | S         | W         |        |
|                                                                  |      |       |                   |                    | TREES  | ESTIMATED |        | PERCENT         |           |           |        |
|                                                                  |      |       |                   | PLOTS              | TREES  | PER PLOT  | TREES  | TREES           |           |           |        |
| TOTAL                                                            |      |       | 10                | 143                | 14.3   |           |        |                 |           |           |        |
| CRUISE                                                           |      |       | 10                | 143                | 14.3   |           | 3,590  | 4.0             |           |           |        |
| DBH COUNT                                                        |      |       |                   |                    |        |           |        |                 |           |           |        |
| REFOREST                                                         |      |       |                   |                    |        |           |        |                 |           |           |        |
| COUNT                                                            |      |       |                   |                    |        |           |        |                 |           |           |        |
| BLANKS                                                           |      |       |                   |                    |        |           |        |                 |           |           |        |
| 100 %                                                            |      |       |                   |                    |        |           |        |                 |           |           |        |
| STAND SUMMARY                                                    |      |       |                   |                    |        |           |        |                 |           |           |        |
| 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 FIR-L                                                       |      |       | 88                | 117.9              | 16.5   | 118       | 43.3   | 176.0           | 39,660    | 39,660    | 7,843  |
| DOUG FIR-T                                                       |      |       | 54                | 44.5               | 21.1   | 144       | 23.5   | 108.0           | 24,934    | 24,765    | 5,352  |
| WR CEDAR-L                                                       |      |       | 1                 | .8                 | 22.0   | 102       | 0.4    | 2.0             | 295       | 295       | 80     |
| TOTAL                                                            |      |       | 143               | 163.2              | 17.9   | 125       | 67.5   | 286.0           | 64,889    | 64,720    | 13,274 |
| CONFIDENCE LIMITS OF THE SAMPLE                                  |      |       |                   |                    |        |           |        |                 |           |           |        |
| 68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR |      |       |                   |                    |        |           |        |                 |           |           |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - BF |                    |        |           |        | # OF TREES REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 102.4             | 10.9               | 606    | 680       | 754    |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 46.1              | 6.3                | 618    | 659       | 701    |                 |           |           |        |
| WR CEDAR-L                                                       |      |       |                   |                    |        |           |        |                 |           |           |        |
| TOTAL                                                            |      |       | 86.0              | 7.2                | 622    | 670       | 718    | 295             | 74        | 33        |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - CF |                    |        |           |        | # OF TREES REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 92.6              | 9.9                | 116    | 129       | 141    |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 41.7              | 5.7                | 133    | 141       | 148    |                 |           |           |        |
| WR CEDAR-L                                                       |      |       |                   |                    |        |           |        |                 |           |           |        |
| TOTAL                                                            |      |       | 75.3              | 6.3                | 125    | 133       | 141    | 226             | 57        | 25        |        |
| CL                                                               | 68.1 | COEFF | TREES/ACRE        |                    |        |           |        | # OF PLOTS REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 36.2              | 12.0               | 104    | 118       | 132    |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 75.6              | 25.2               | 33     | 45        | 56     |                 |           |           |        |
| WR CEDAR-L                                                       |      |       | 316.2             | 105.2              |        | 1         | 2      |                 |           |           |        |
| TOTAL                                                            |      |       | 43.7              | 14.5               | 139    | 163       | 187    | 84              | 21        | 9         |        |
| CL                                                               | 68.1 | COEFF | BASAL AREA/ACRE   |                    |        |           |        | # OF PLOTS REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 4.8               | 1.6                | 173    | 176       | 179    |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 54.7              | 18.2               | 88     | 108       | 128    |                 |           |           |        |
| WR CEDAR-L                                                       |      |       | 316.2             | 105.2              |        | 2         | 4      |                 |           |           |        |
| TOTAL                                                            |      |       | 21.4              | 7.1                | 266    | 286       | 306    | 20              | 5         | 2         |        |
| CL                                                               | 68.1 | COEFF | NET BF/ACRE       |                    |        |           |        | # OF PLOTS REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 10.5              | 3.5                | 38,268 | 39,660    | 41,052 |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 46.9              | 15.6               | 20,897 | 24,765    | 28,632 |                 |           |           |        |
| WR CEDAR-L                                                       |      |       | 316.2             | 105.2              |        | 295       | 606    |                 |           |           |        |
| TOTAL                                                            |      |       | 15.4              | 5.1                | 61,403 | 64,720    | 68,036 | 11              | 3         | 1         |        |
| CL                                                               | 68.1 | COEFF | NET CUFT FT/ACRE  |                    |        |           |        | # OF PLOTS REQ. |           | INF. POP. |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      |        | 5               | 10        | 15        |        |
| DOUG FIR-L                                                       |      |       | 7.9               | 2.6                | 7,637  | 7,843     | 8,048  |                 |           |           |        |
| DOUG FIR-T                                                       |      |       | 49.6              | 16.5               | 4,468  | 5,352     | 6,236  |                 |           |           |        |

|              |            |           |              |                                  |                         |        |              |                        |             |                  |
|--------------|------------|-----------|--------------|----------------------------------|-------------------------|--------|--------------|------------------------|-------------|------------------|
| TC PSTATS    |            |           |              | <b><u>PROJECT STATISTICS</u></b> |                         |        |              | PAGE                   | <b>2</b>    |                  |
|              |            |           |              | PROJECT WLFSAM                   |                         |        |              | DATE                   | 4/21/2020   |                  |
| <b>TWP</b>   | <b>RGE</b> | <b>SC</b> | <b>TRACT</b> | <b>TYPE</b>                      | <b>ACRES</b>            |        | <b>PLOTS</b> | <b>TREES</b>           | <b>CuFt</b> | <b>BdFt</b>      |
| 03N          | 06         | 03        | 00U1         | 00PC                             | 22.00                   |        | 10           | 143                    | S           | W                |
| CL           | 68.1       |           | COEFF        |                                  | <b>NET CUFT FT/ACRE</b> |        |              | <b># OF PLOTS REQ.</b> |             | <b>INF. POP.</b> |
| SD:          | 1.00       |           | VAR.         | S.E.%                            | LOW                     | AVG    | HIGH         | 5                      | 10          | 15               |
| WR CEDAR-L   |            |           | 316.2        | 105.2                            |                         | 80     | 163          |                        |             |                  |
| <b>TOTAL</b> |            |           | 17.4         | 5.8                              | 12,504                  | 13,274 | 14,045       | 13                     | 3           | 1                |

| TC                                   |   | PSPCSTGR         |     | Species, Sort Grade - Board Foot Volumes (Project) |                                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |       |
|--------------------------------------|---|------------------|-----|----------------------------------------------------|----------------------------------|--------|--------|------------------|----------------------------------|------|-------|-----|------------|-------|-------|-------|-------------|-----------|----------|-----------|----------------------|-------|
| <div>T03N R06W S03 Ty00PC22.00</div> |   |                  |     | Project:                                           |                                  | WLFSAM |        |                  |                                  |      |       |     |            |       |       | Page  |             | 1         |          |           |                      |       |
|                                      |   |                  |     | Acres                                              |                                  | 22.00  |        |                  |                                  |      |       |     |            |       |       | Date  |             | 4/21/2020 |          |           |                      |       |
|                                      |   |                  |     |                                                    |                                  |        |        |                  |                                  |      |       |     |            |       |       | Time  |             | 3:42:10PM |          |           |                      |       |
| S<br>Spp                             |   | So Gr<br>T rt ad |     | %<br>Net<br>BdFt                                   | Bd. Ft. per Acre<br>Def%GrossNet |        |        | Total<br>Net MBF | Percent of Net Board Foot Volume |      |       |     |            |       |       |       | Average Log |           |          |           | Logs<br>Per<br>/Acre |       |
|                                      |   |                  |     |                                                    |                                  |        |        |                  | Log Scale Dia.                   |      |       |     | Log Length |       |       |       | Ln<br>Ft    | Dia<br>In | Bd<br>Ft | CF/<br>Lf |                      |       |
|                                      |   |                  |     |                                                    |                                  |        |        |                  | 4-5                              | 6-11 | 12-16 | 17+ | 12-20      | 21-30 | 31-35 | 36-99 |             |           |          |           |                      |       |
| RC                                   | L | 3M               | 100 |                                                    | 295                              | 295    | 7      |                  | 26                               | 74   |       |     |            |       | 100   | 41    | 10          | 195       | 1.30     | 1.5       |                      |       |
| RC Totals                            |   |                  | 0   |                                                    | 295                              | 295    | 7      |                  | 26                               | 74   |       |     |            |       | 100   | 41    | 10          | 195       | 1.30     | 1.5       |                      |       |
| DF                                   | L | 3M               | 98  |                                                    | 38,877                           | 38,877 | 855    |                  | 37                               | 29   | 34    |     |            | 18    | 49    | 33    | 34          | 10        | 150      | 0.87      | 259.4                |       |
| DF                                   | L | 4M               | 2   |                                                    | 782                              | 782    | 17     |                  | 100                              |      |       |     | 14         | 86    |       |       | 22          | 7         | 32       | 0.32      | 24.2                 |       |
| DF Totals                            |   |                  | 61  |                                                    | 39,660                           | 39,660 | 873    |                  | 38                               | 29   | 33    |     | 0          | 19    | 48    | 33    | 33          | 9         | 140      | 0.84      | 283.6                |       |
| DF                                   | T | 2M               | 71  | .6                                                 | 17,719                           | 17,610 | 387    |                  |                                  | 61   | 39    |     |            |       |       | 100   | 40          | 15        | 347      | 1.75      | 50.7                 |       |
| DF                                   | T | 3M               | 27  | .9                                                 | 6,836                            | 6,775  | 149    |                  | 100                              |      |       |     |            |       | 1     | 99    | 39          | 8         | 107      | 0.68      | 63.3                 |       |
| DF                                   | T | 4M               | 2   |                                                    | 379                              | 379    | 8      |                  | 100                              |      |       |     | 46         | 54    |       |       | 17          | 6         | 19       | 0.30      | 19.6                 |       |
| DF Totals                            |   |                  | 38  | .7                                                 | 24,934                           | 24,765 | 545    |                  | 29                               | 44   | 28    |     | 1          | 1     | 0     | 98    | 36          | 10        | 185      | 1.10      | 133.6                |       |
| Totals                               |   |                  |     |                                                    | 0.3                              | 64,889 | 64,720 | 1,424            |                                  | 34   | 35    | 31  |            | 0     | 12    | 30    | 58          | 34        | 10       | 155       | 0.93                 | 418.8 |

| TC                                   |   | PSTNDSUM |       | Stand Table Summary |          |                |             |              |               |               |               |                |                | Page<br>Date: |             | 1<br>4/21/2020 |  |
|--------------------------------------|---|----------|-------|---------------------|----------|----------------|-------------|--------------|---------------|---------------|---------------|----------------|----------------|---------------|-------------|----------------|--|
| <div>T03N R06W S03 Ty00PC22.00</div> |   |          |       |                     | Project  |                | WLFSAM      |              |               | Time:         |               | 3:42:12PM      |                |               |             |                |  |
|                                      |   |          |       |                     | Acres    |                | 22.00       |              |               | Grown Year:   |               |                |                |               |             |                |  |
| S<br>SpC                             | T | Sample   |       | Tot                 |          | Trees/<br>Acre | BA/<br>Acre | Logs<br>Acre | Average Log   |               | Net           |                | Net            |               | T o t a l s |                |  |
|                                      |   | DBH      | Trees | FF<br>16'           | Av<br>Ht |                |             |              | Net<br>Cu.Ft. | Net<br>Bd.Ft. | Tons/<br>Acre | Cu.Ft.<br>Acre | Bd.Ft.<br>Acre | Tons          | Cunits      | MBF            |  |
| DF L                                 |   | 8        | 1     | 88                  | 80       | 5.730          | 2.00        | 5.73         | 5.3           | 30.0          | .87           | 31             | 172            | 19            | 7           | 4              |  |
| DF L                                 |   | 9        | 2     | 88                  | 90       | 9.054          | 4.00        | 9.05         | 10.2          | 60.0          | 2.64          | 93             | 543            | 58            | 20          | 12             |  |
| DF L                                 |   | 10       | 2     | 87                  | 82       | 7.334          | 4.00        | 11.00        | 8.3           | 43.3          | 2.62          | 92             | 477            | 58            | 20          | 10             |  |
| DF L                                 |   | 11       | 3     | 88                  | 85       | 9.092          | 6.00        | 15.15        | 10.4          | 46.0          | 4.49          | 158            | 697            | 99            | 35          | 15             |  |
| DF L                                 |   | 12       | 5     | 88                  | 106      | 12.732         | 10.00       | 25.46        | 12.3          | 57.0          | 8.96          | 314            | 1,451          | 197           | 69          | 32             |  |
| DF L                                 |   | 13       | 5     | 89                  | 110      | 10.849         | 10.00       | 21.70        | 16.4          | 76.0          | 10.14         | 356            | 1,649          | 223           | 78          | 36             |  |
| DF L                                 |   | 14       | 6     | 89                  | 130      | 11.225         | 12.00       | 31.81        | 15.0          | 71.2          | 13.58         | 477            | 2,264          | 299           | 105         | 50             |  |
| DF L                                 |   | 15       | 4     | 89                  | 118      | 6.519          | 8.00        | 16.30        | 19.1          | 89.0          | 8.87          | 311            | 1,450          | 195           | 69          | 32             |  |
| DF L                                 |   | 16       | 3     | 89                  | 125      | 4.297          | 6.00        | 11.46        | 22.2          | 103.7         | 7.25          | 254            | 1,189          | 160           | 56          | 26             |  |
| DF L                                 |   | 17       | 4     | 90                  | 137      | 5.075          | 8.00        | 15.23        | 24.4          | 120.0         | 10.61         | 372            | 1,827          | 233           | 82          | 40             |  |
| DF L                                 |   | 18       | 6     | 89                  | 139      | 6.791          | 12.00       | 20.37        | 27.2          | 131.7         | 15.76         | 553            | 2,682          | 347           | 122         | 59             |  |
| DF L                                 |   | 19       | 3     | 90                  | 142      | 3.047          | 6.00        | 10.16        | 28.5          | 140.0         | 8.24          | 289            | 1,422          | 181           | 64          | 31             |  |
| DF L                                 |   | 20       | 3     | 90                  | 151      | 2.750          | 6.00        | 8.25         | 37.2          | 178.9         | 8.75          | 307            | 1,476          | 192           | 68          | 32             |  |
| DF L                                 |   | 21       | 6     | 90                  | 136      | 4.989          | 12.00       | 14.97        | 37.6          | 181.1         | 16.04         | 563            | 2,711          | 353           | 124         | 60             |  |
| DF L                                 |   | 22       | 3     | 90                  | 147      | 2.273          | 6.00        | 7.58         | 40.6          | 200.0         | 8.76          | 307            | 1,515          | 193           | 68          | 33             |  |
| DF L                                 |   | 23       | 8     | 90                  | 143      | 5.545          | 16.00       | 19.41        | 40.8          | 208.2         | 22.55         | 791            | 4,041          | 496           | 174         | 89             |  |
| DF L                                 |   | 24       | 3     | 89                  | 147      | 1.910          | 6.00        | 7.00         | 42.5          | 220.9         | 8.48          | 298            | 1,547          | 187           | 65          | 34             |  |
| DF L                                 |   | 25       | 1     | 90                  | 160      | .587           | 2.00        | 2.35         | 47.1          | 252.5         | 3.15          | 110            | 593            | 69            | 24          | 13             |  |
| DF L                                 |   | 26       | 1     | 90                  | 159      | .542           | 2.00        | 2.17         | 51.6          | 287.5         | 3.19          | 112            | 624            | 70            | 25          | 14             |  |
| DF L                                 |   | 27       | 6     | 89                  | 146      | 3.018          | 12.00       | 10.56        | 58.0          | 304.3         | 17.46         | 613            | 3,214          | 384           | 135         | 71             |  |
| DF L                                 |   | 28       | 2     | 89                  | 161      | .935           | 4.00        | 3.74         | 59.4          | 327.5         | 6.33          | 222            | 1,225          | 139           | 49          | 27             |  |
| DF L                                 |   | 29       | 2     | 90                  | 149      | .872           | 4.00        | 3.49         | 58.9          | 325.0         | 5.86          | 206            | 1,134          | 129           | 45          | 25             |  |
| DF L                                 |   | 30       | 3     | 88                  | 158      | 1.222          | 6.00        | 4.48         | 74.0          | 396.4         | 9.46          | 332            | 1,776          | 208           | 73          | 39             |  |
| DF L                                 |   | 34       | 1     | 90                  | 160      | .317           | 2.00        | 1.27         | 88.6          | 517.5         | 3.21          | 112            | 657            | 71            | 25          | 14             |  |
| DF L                                 |   | 36       | 1     | 83                  | 200      | .283           | 2.00        | 1.41         | 89.3          | 528.0         | 3.60          | 126            | 747            | 79            | 28          | 16             |  |
| DF L                                 |   | 38       | 1     | 90                  | 163      | .254           | 2.00        | 1.02         | 112.8         | 650.0         | 3.27          | 115            | 660            | 72            | 25          | 15             |  |
| DF L                                 |   | 39       | 1     | 90                  | 147      | .241           | 2.00        | .96          | 109.5         | 635.0         | 3.01          | 106            | 612            | 66            | 23          | 13             |  |
| DF L                                 |   | 42       | 1     | 89                  | 160      | .208           | 2.00        | .83          | 137.8         | 805.0         | 3.27          | 115            | 669            | 72            | 25          | 15             |  |
| DF L                                 |   | 45       | 1     | 90                  | 153      | .181           | 2.00        | .72          | 150.6         | 875.0         | 3.11          | 109            | 634            | 68            | 24          | 14             |  |
| DF L                                 |   | Totals   | 88    | 89                  | 118      | 117.874        | 176.00      | 283.63       | 27.7          | 139.8         | 223.51        | 7,843          | 39,660         | 4,917         | 1,725       | 873            |  |
| DF T                                 |   | 16       | 6     | 86                  | 125      | 8.594          | 12.00       | 22.92        | 21.5          | 90.6          | 14.07         | 494            | 2,077          | 310           | 109         | 46             |  |
| DF T                                 |   | 17       | 4     | 88                  | 138      | 5.075          | 8.00        | 13.96        | 26.5          | 116.4         | 10.53         | 370            | 1,624          | 232           | 81          | 36             |  |
| DF T                                 |   | 18       | 2     | 90                  | 153      | 2.264          | 4.00        | 6.79         | 30.1          | 136.7         | 5.82          | 204            | 928            | 128           | 45          | 20             |  |
| DF T                                 |   | 19       | 2     | 89                  | 134      | 2.032          | 4.00        | 6.09         | 29.4          | 130.0         | 5.10          | 179            | 792            | 112           | 39          | 17             |  |
| DF T                                 |   | 20       | 6     | 88                  | 144      | 5.500          | 12.00       | 16.50        | 35.5          | 162.2         | 16.70         | 586            | 2,677          | 367           | 129         | 59             |  |
| DF T                                 |   | 21       | 2     | 87                  | 138      | 1.663          | 4.00        | 4.99         | 37.9          | 171.7         | 5.39          | 189            | 856            | 119           | 42          | 19             |  |
| DF T                                 |   | 22       | 3     | 89                  | 158      | 2.273          | 6.00        | 7.58         | 42.4          | 202.0         | 9.16          | 321            | 1,530          | 201           | 71          | 34             |  |
| DF T                                 |   | 23       | 11    | 88                  | 152      | 7.625          | 22.00       | 24.26        | 46.9          | 218.9         | 32.46         | 1,139          | 5,310          | 714           | 251         | 117            |  |
| DF T                                 |   | 24       | 5     | 87                  | 149      | 3.183          | 10.00       | 9.55         | 52.8          | 240.0         | 14.37         | 504            | 2,292          | 316           | 111         | 50             |  |
| DF T                                 |   | 25       | 3     | 88                  | 154      | 1.760          | 6.00        | 5.28         | 59.7          | 284.4         | 8.98          | 315            | 1,502          | 198           | 69          | 33             |  |
| DF T                                 |   | 26       | 2     | 86                  | 160      | 1.085          | 4.00        | 3.80         | 55.1          | 261.4         | 5.97          | 209            | 993            | 131           | 46          | 22             |  |
| DF T                                 |   | 27       | 2     | 86                  | 164      | 1.006          | 4.00        | 4.02         | 54.5          | 275.0         | 6.25          | 219            | 1,107          | 138           | 48          | 24             |  |
| DF T                                 |   | 28       | 1     | 87                  | 161      | .468           | 2.00        | 1.40         | 74.9          | 393.3         | 3.00          | 105            | 552            | 66            | 23          | 12             |  |
| DF T                                 |   | 29       | 2     | 88                  | 155      | .872           | 4.00        | 3.05         | 69.2          | 347.1         | 6.02          | 211            | 1,060          | 132           | 46          | 23             |  |
| DF T                                 |   | 31       | 3     | 84                  | 152      | 1.145          | 6.00        | 3.43         | 89.1          | 426.7         | 8.72          | 306            | 1,465          | 192           | 67          | 32             |  |
| DF T                                 |   | Totals   | 54    | 87                  | 144      | 44.545         | 108.00      | 133.63       | 40.1          | 185.3         | 152.53        | 5,352          | 24,765         | 3,356         | 1,177       | 545            |  |
| RC L                                 |   | 22       | 1     | 81                  | 102      | .758           | 2.00        | 1.52         | 52.5          | 195.0         | 1.87          | 80             | 295            | 41            | 18          | 7              |  |
| RC L                                 |   | Totals   | 1     | 81                  | 102      | .758           | 2.00        | 1.52         | 52.5          | 195.0         | 1.87          | 80             | 295            | 41            | 18          | 7              |  |
| Totals                               |   | 143      | 88    | 125                 |          | 163.176        | 286.00      | 418.78       | 31.7          | 154.5         | 377.92        | 13,274         | 64,720         | 8,314         | 2,920       | 1,424          |  |

| TC                        |        | PLOGSTVB       |            | Log Stock Table - MBF |          |            |          |                                          |     |     |     |       |       |       |       |       |       |       |     |           |  |
|---------------------------|--------|----------------|------------|-----------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|-----------|--|
| T03N R06W S03 Ty00PC22.00 |        |                |            | Project:              |          | WLFSAM     |          |                                          |     |     |     |       |       |       |       |       |       | Page  |     | 1         |  |
|                           |        |                |            | Acres                 |          | 22.00      |          |                                          |     |     |     |       |       |       |       |       |       | Date  |     | 4/21/2020 |  |
|                           |        |                |            |                       |          |            |          |                                          |     |     |     |       |       |       |       |       |       | Time  |     | 3:42:10PM |  |
| Spp                       | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF          | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |       |       |       |       |       |     |           |  |
|                           |        |                |            |                       |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |           |  |
| RC                        | L      | 3M             | 40         | 5                     |          | 5          | 74.4     |                                          |     |     |     |       | 5     |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 41         | 2                     |          | 2          | 25.6     |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| RC                        |        | Totals         |            | 7                     |          | 7          | .5       |                                          |     | 2   |     |       | 5     |       |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 28         | 19                    |          | 19         | 2.2      |                                          |     | 7   |     | 12    |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 29         | 6                     |          | 6          | .7       |                                          |     | 6   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 30         | 126                   |          | 126        | 14.4     |                                          |     | 11  | 3   | 24    | 13    | 24    | 33    | 19    |       |       |     |           |  |
| DF                        | L      | 3M             | 31         | 44                    |          | 44         | 5.0      |                                          |     | 1   | 7   | 5     |       |       | 12    | 18    |       |       |     |           |  |
| DF                        | L      | 3M             | 32         | 139                   |          | 139        | 15.9     |                                          |     | 14  | 15  | 14    | 24    | 14    | 41    | 7     | 4     |       |     |           |  |
| DF                        | L      | 3M             | 33         | 7                     |          | 7          | .9       |                                          |     | 5   |     |       | 2     |       |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 34         | 184                   |          | 184        | 21.1     |                                          |     | 16  |     | 24    | 41    | 32    | 22    | 17    | 19    |       |     |           |  |
| DF                        | L      | 3M             | 35         | 46                    |          | 46         | 5.3      |                                          |     | 3   | 5   | 12    | 6     |       |       | 13    | 7     |       |     |           |  |
| DF                        | L      | 3M             | 36         | 84                    |          | 84         | 9.7      |                                          |     | 20  | 17  | 10    | 15    |       | 13    | 5     | 5     |       |     |           |  |
| DF                        | L      | 3M             | 37         | 18                    |          | 18         | 2.0      |                                          |     | 12  |     |       | 5     |       |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 38         | 101                   |          | 101        | 11.6     |                                          |     | 13  | 5   | 15    | 10    | 19    | 26    | 15    |       |       |     |           |  |
| DF                        | L      | 3M             | 39         | 22                    |          | 22         | 2.6      |                                          |     | 6   |     | 4     |       | 13    |       |       |       |       |     |           |  |
| DF                        | L      | 3M             | 40         | 47                    |          | 47         | 5.4      |                                          |     | 10  |     | 7     | 3     | 12    | 7     | 8     |       |       |     |           |  |
| DF                        | L      | 3M             | 41         | 11                    |          | 11         | 1.3      |                                          |     | 11  |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 20         | 2                     |          | 2          | .3       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 21         | 2                     |          | 2          | .3       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 22         | 3                     |          | 3          | .3       |                                          |     |     | 3   |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 23         | 6                     |          | 6          | .7       |                                          |     | 6   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 24         | 2                     |          | 2          | .3       |                                          |     |     | 2   |       |       |       |       |       |       |       |     |           |  |
| DF                        | L      | 4M             | 25         | 2                     |          | 2          | .2       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        |        | Totals         |            | 873                   |          | 873        | 61.3     |                                          |     | 136 | 70  | 125   | 119   | 113   | 152   | 101   | 36    |       |     |           |  |
| DF                        | T      | 2M             | 40         | 390                   |          | 387        | 71.1     |                                          |     |     |     | 95    |       | 74    | 178   | 40    |       |       |     |           |  |
| DF                        | T      | 3M             | 34         | 1                     |          | 1          | .2       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 3M             | 36         | 6                     |          | 6          | 1.1      |                                          |     | 3   | 1   | 1     |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 3M             | 38         | 13                    |          | 13         | 2.4      |                                          |     | 11  | 1   |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 3M             | 40         | 131                   | 1.0      | 129        | 23.8     |                                          |     | 24  | 28  | 78    |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 12         | 2                     |          | 2          | .4       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 14         | 1                     |          | 1          | .2       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 16         | 0                     |          | 0          | .0       |                                          |     | 0   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 18         | 0                     |          | 0          | .1       |                                          |     | 0   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 22         | 2                     |          | 2          | .4       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 24         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 26         | 0                     |          | 0          | .1       |                                          |     | 0   |     |       |       |       |       |       |       |       |     |           |  |

| TC                                   |        | PLOGSTVB       |            | Log Stock Table - MBF        |          |                                         |          |                                          |     |     |     |       |       |       |       |       |       |       |     |
|--------------------------------------|--------|----------------|------------|------------------------------|----------|-----------------------------------------|----------|------------------------------------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|
| <div>T03N R06W S03 Ty00PC22.00</div> |        |                |            | Project: WLFSA<br>Acres22.00 |          | Page2<br>Date4/21/2020<br>Time3:42:10PM |          |                                          |     |     |     |       |       |       |       |       |       |       |     |
|                                      |        |                |            |                              |          |                                         |          |                                          |     |     |     |       |       |       |       |       |       |       |     |
|                                      |        |                |            |                              |          |                                         |          |                                          |     |     |     |       |       |       |       |       |       |       |     |
| Spp                                  | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF                 | Def<br>% | Net<br>MBF                              | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |       |       |       |       |       |     |
|                                      |        |                |            |                              |          |                                         |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |
| DF                                   | T      | 4M             | 28         | 1                            |          | 1                                       | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |
| DF                                   | T      | 4M             | 30         | 1                            |          | 1                                       | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |
| DF                                   |        | Totals         |            | 549                          |          | 545                                     | 38.3     |                                          |     | 48  | 30  | 79    | 95    | 74    | 178   | 40    |       |       |     |
| Total                                |        | All Species    |            | 1,428                        |          | 1,424                                   | 100.0    |                                          |     | 186 | 100 | 205   | 214   | 191   | 330   | 141   | 36    | 21    |     |

| TC PSTATS                                                        |      |       |                   | PROJECT STATISTICS |        |           |         |                 | PAGE      | 1         |        |        |
|------------------------------------------------------------------|------|-------|-------------------|--------------------|--------|-----------|---------|-----------------|-----------|-----------|--------|--------|
|                                                                  |      |       |                   | PROJECT            | WLFSAM |           |         | DATE            | 4/21/2020 |           |        |        |
| TWP                                                              | RGE  | SC    | TRACT             | TYPE               | ACRES  |           | PLOTS   | TREES           | CuFt      | BdFt      |        |        |
| 03N                                                              | 06   | 03    | 00U2              | 00PC               | 44.00  |           | 21      | 286             | S         | W         |        |        |
|                                                                  |      |       |                   | TREES              |        | ESTIMATED | PERCENT |                 |           |           |        |        |
|                                                                  |      |       |                   | PLOTS              | TREES  | TOTAL     | SAMPLE  |                 |           |           |        |        |
|                                                                  |      |       |                   | PER PLOT           |        | TREES     | TREES   |                 |           |           |        |        |
| TOTAL                                                            |      |       | 21                | 286                | 13.6   |           |         |                 |           |           |        |        |
| CRUISE                                                           |      |       | 21                | 286                | 13.6   |           | 6,609   | 4.3             |           |           |        |        |
| DBH COUNT                                                        |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| REFOREST                                                         |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| COUNT                                                            |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| BLANKS                                                           |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| 100 %                                                            |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| STAND SUMMARY                                                    |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| 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 FIR-L                                                       |      |       | 163               | 102.7              | 16.6   | 117       | 38.0    | 155.2           | 33,427    | 33,427    | 6,754  | 6,754  |
| DOUG FIR-T                                                       |      |       | 96                | 31.5               | 23.1   | 146       | 19.0    | 91.4            | 22,655    | 22,643    | 4,677  | 4,677  |
| WHEMLOCK-L                                                       |      |       | 13                | 9.8                | 15.2   | 82        | 3.2     | 12.4            | 2,340     | 2,340     | 482    | 482    |
| WR CEDAR-L                                                       |      |       | 8                 | 4.6                | 17.4   | 68        | 1.8     | 7.6             | 1,028     | 1,028     | 248    | 248    |
| NOB FIR-L                                                        |      |       | 6                 | 1.6                | 25.4   | 157       | 1.1     | 5.7             | 1,736     | 1,736     | 316    | 316    |
| TOTAL                                                            |      |       | 286               | 150.2              | 18.2   | 120       | 63.8    | 272.4           | 61,186    | 61,174    | 12,478 | 12,478 |
| CONFIDENCE LIMITS OF THE SAMPLE                                  |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| 68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR |      |       |                   |                    |        |           |         |                 |           |           |        |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - BF |                    |        |           |         | # OF TREES REQ. |           | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5 10    |                 | 15        |           |        |        |
| DOUG FIR-L                                                       |      |       | 109.8             | 8.6                | 523    | 572       | 621     |                 |           |           |        |        |
| DOUG FIR-T                                                       |      |       | 53.3              | 5.4                | 818    | 865       | 912     |                 |           |           |        |        |
| WHEMLOCK-L                                                       |      |       | 75.9              | 21.9               | 328    | 419       | 511     |                 |           |           |        |        |
| WR CEDAR-L                                                       |      |       | 110.1             | 41.5               | 365    | 624       | 883     |                 |           |           |        |        |
| NOB FIR-L                                                        |      |       | 54.1              | 24.1               | 946    | 1,247     | 1,547   |                 |           |           |        |        |
| TOTAL                                                            |      |       | 86.8              | 5.1                | 644    | 679       | 714     | 301             | 75        | 33        |        |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - CF |                    |        |           |         | # OF TREES REQ. |           | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5 10    |                 | 15        |           |        |        |
| DOUG FIR-L                                                       |      |       | 101.6             | 8.0                | 102    | 111       | 120     |                 |           |           |        |        |
| DOUG FIR-T                                                       |      |       | 46.3              | 4.7                | 167    | 175       | 184     |                 |           |           |        |        |
| WHEMLOCK-L                                                       |      |       | 70.5              | 20.3               | 67     | 84        | 101     |                 |           |           |        |        |
| WR CEDAR-L                                                       |      |       | 105.7             | 39.8               | 85     | 142       | 199     |                 |           |           |        |        |
| NOB FIR-L                                                        |      |       | 47.6              | 21.2               | 176    | 223       | 270     |                 |           |           |        |        |
| TOTAL                                                            |      |       | 79.6              | 4.7                | 128    | 134       | 141     | 253             | 63        | 28        |        |        |
| CL                                                               | 68.1 | COEFF | TREES/ACRE        |                    |        |           |         | # OF PLOTS REQ. |           | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5 10    |                 | 15        |           |        |        |
| DOUG FIR-L                                                       |      |       | 56.0              | 12.5               | 90     | 103       | 116     |                 |           |           |        |        |
| DOUG FIR-T                                                       |      |       | 80.2              | 17.9               | 26     | 31        | 37      |                 |           |           |        |        |
| WHEMLOCK-L                                                       |      |       | 193.6             | 43.3               | 6      | 10        | 14      |                 |           |           |        |        |
| WR CEDAR-L                                                       |      |       | 236.6             | 52.9               | 2      | 5         | 7       |                 |           |           |        |        |
| NOB FIR-L                                                        |      |       | 193.7             | 43.3               | 1      | 2         | 2       |                 |           |           |        |        |
| TOTAL                                                            |      |       | 46.0              | 10.3               | 135    | 150       | 166     | 89              | 22        | 10        |        |        |
| CL                                                               | 68.1 | COEFF | BASAL AREA/ACRE   |                    |        |           |         | # OF PLOTS REQ. |           | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5 10    |                 | 15        |           |        |        |
| DOUG FIR-L                                                       |      |       | 20.3              | 4.5                | 148    | 155       | 162     |                 |           |           |        |        |
| DOUG FIR-T                                                       |      |       | 63.2              | 14.1               | 79     | 91        | 104     |                 |           |           |        |        |
| WHEMLOCK-L                                                       |      |       | 187.5             | 41.9               | 7      | 12        | 18      |                 |           |           |        |        |
| WR CEDAR-L                                                       |      |       | 175.6             | 39.3               | 5      | 8         | 11      |                 |           |           |        |        |
| NOB FIR-L                                                        |      |       | 196.2             | 43.9               | 3      | 6         | 8       |                 |           |           |        |        |
| TOTAL                                                            |      |       | 21.0              | 4.7                | 260    | 272       | 285     | 18              | 5         | 2         |        |        |

**PROJECT STATISTICS****PROJECT WLFSAM**

DATE 4/21/2020

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|-----|-----|----|-------|------|-------|-------|-------|------|------|
| 03N | 06  | 03 | 00U2  | 00PC | 44.00 | 21    | 286   | S    | W    |

| CL           | 68.1 | COEFF | NET BF/ACRE |        |        | # OF PLOTS REQ. |    | INF. POP. |    |
|--------------|------|-------|-------------|--------|--------|-----------------|----|-----------|----|
| SD:          | 1.0  | VAR.% | S.E.%       | LOW    | AVG    | HIGH            | 5  | 10        | 15 |
| DOUG FIR-L   |      | 26.4  | 5.9         | 31,451 | 33,427 | 35,403          |    |           |    |
| DOUG FIR-T   |      | 61.6  | 13.8        | 19,524 | 22,643 | 25,762          |    |           |    |
| WHEMLOCK-L   |      | 188.4 | 42.1        | 1,355  | 2,340  | 3,326           |    |           |    |
| WR CEDAR-L   |      | 170.8 | 38.2        | 636    | 1,028  | 1,421           |    |           |    |
| NOB FIR-L    |      | 203.8 | 45.5        | 945    | 1,736  | 2,526           |    |           |    |
| <b>TOTAL</b> |      | 26.4  | 5.9         | 57,563 | 61,174 | 64,786          | 29 | 7         | 3  |

| CL           | 68.1 | COEFF | NET CUFT FT/ACRE |        |        | # OF PLOTS REQ. |    | INF. POP. |    |
|--------------|------|-------|------------------|--------|--------|-----------------|----|-----------|----|
| SD:          | 1.0  | VAR.% | S.E.%            | LOW    | AVG    | HIGH            | 5  | 10        | 15 |
| DOUG FIR-L   |      | 23.7  | 5.3              | 6,397  | 6,754  | 7,112           |    |           |    |
| DOUG FIR-T   |      | 62.0  | 13.9             | 4,029  | 4,677  | 5,325           |    |           |    |
| WHEMLOCK-L   |      | 188.5 | 42.1             | 279    | 482    | 685             |    |           |    |
| WR CEDAR-L   |      | 169.3 | 37.8             | 154    | 248    | 342             |    |           |    |
| NOB FIR-L    |      | 200.5 | 44.8             | 174    | 316    | 458             |    |           |    |
| <b>TOTAL</b> |      | 24.8  | 5.6              | 11,785 | 12,478 | 13,171          | 26 | 6         | 3  |

| TC                                   |   | PSPCSTGR |    | Species, Sort Grade - Board Foot Volumes (Project) |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |
|--------------------------------------|---|----------|----|----------------------------------------------------|------------------|--------|--------|------------------|----------------------------------|------|-------|-----|------------|-------|-------|-------|-------------|-----------|----------|-----------|----------------------|
| <div>T03N R06W S03 Ty00PC44.00</div> |   |          |    | Project:                                           |                  | WLFSAM |        |                  |                                  |      |       |     |            |       |       |       |             | Page      |          | 1         |                      |
|                                      |   |          |    | Acres                                              |                  | 44.00  |        |                  |                                  |      |       |     |            |       |       |       |             | Date      |          | 4/21/2020 |                      |
|                                      |   |          |    |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             | Time      |          | 9:55:33AM |                      |
| Spp                                  | S | So       | Gr | %<br>Net<br>BdFt                                   | Bd. Ft. per Acre |        |        | Total<br>Net MBF | Percent of Net Board Foot Volume |      |       |     |            |       |       |       | Average Log |           |          |           | Logs<br>Per<br>/Acre |
|                                      |   |          |    |                                                    |                  |        |        |                  | Log Scale Dia.                   |      |       |     | Log Length |       |       |       | Ln<br>Ft    | Dia<br>In | Bd<br>Ft | CF/<br>Lf |                      |
|                                      |   |          |    |                                                    | Def%             | Gross  | Net    |                  | 4-5                              | 6-11 | 12-16 | 17+ | 12-20      | 21-30 | 31-35 | 36-99 |             |           |          |           |                      |
| DF                                   | L |          | 3M | 98                                                 |                  | 32,775 | 32,775 | 1,442            |                                  | 41   | 35    | 25  | 0          | 20    | 40    | 40    | 33          | 10        | 137      | 0.83      | 238.6                |
| DF                                   | L |          | 4M | 2                                                  |                  | 652    | 652    | 29               |                                  | 100  |       |     | 9          | 91    |       |       | 23          | 7         | 34       | 0.32      | 19.1                 |
| DF Totals                            |   |          |    | 55                                                 |                  | 33,427 | 33,427 | 1,471            |                                  | 42   | 34    | 24  | 0          | 21    | 40    | 39    | 32          | 9         | 130      | 0.81      | 257.7                |
| DF                                   | T |          | CU |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       | 8           | 13        |          | 0.00      | .4                   |
| DF                                   | T |          | 2M | 77                                                 | .1               | 17,446 | 17,434 | 767              |                                  |      | 45    | 55  |            |       |       | 100   | 40          | 16        | 396      | 1.93      | 44.0                 |
| DF                                   | T |          | 3M | 21                                                 |                  | 4,824  | 4,824  | 212              |                                  | 80   | 14    | 6   |            | 10    | 13    | 77    | 38          | 9         | 120      | 0.77      | 40.1                 |
| DF                                   | T |          | 4M | 2                                                  |                  | 385    | 385    | 17               |                                  | 100  |       |     | 54         | 46    |       |       | 19          | 6         | 23       | 0.35      | 17.0                 |
| DF Totals                            |   |          |    | 37                                                 | .1               | 22,655 | 22,643 | 996              |                                  | 19   | 38    | 43  | 1          | 3     | 3     | 93    | 35          | 11        | 223      | 1.30      | 101.5                |
|                                      |   |          |    |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |
| RC                                   | L |          | 3M | 95                                                 |                  | 985    | 985    | 43               |                                  | 29   | 20    | 51  |            | 41    | 18    | 41    | 26          | 10        | 138      | 1.25      | 7.1                  |
| RC                                   | L |          | 4M | 5                                                  |                  | 43     | 43     | 2                |                                  | 100  |       |     |            | 100   |       |       | 25          | 6         | 30       | 0.43      | 1.4                  |
| RC Totals                            |   |          |    | 2                                                  |                  | 1,028  | 1,028  | 45               |                                  | 32   | 19    | 49  |            | 44    | 17    | 39    | 26          | 9         | 120      | 1.12      | 8.6                  |
|                                      |   |          |    |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |
| WH                                   | L |          | 3M | 93                                                 |                  | 2,182  | 2,182  | 96               |                                  | 21   | 53    | 26  |            | 20    | 44    | 36    | 34          | 10        | 156      | 0.93      | 14.0                 |
| WH                                   | L |          | 4M | 7                                                  |                  | 159    | 159    | 7                |                                  | 100  |       |     |            | 100   |       |       | 24          | 7         | 37       | 0.36      | 4.3                  |
| WH Totals                            |   |          |    | 4                                                  |                  | 2,340  | 2,340  | 103              |                                  | 27   | 49    | 24  |            | 26    | 41    | 34    | 32          | 9         | 128      | 0.83      | 18.4                 |
|                                      |   |          |    |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |
| NF                                   | L |          | 3M | 100                                                |                  | 1,736  | 1,736  | 76               |                                  | 12   | 29    | 59  |            | 8     | 57    | 35    | 34          | 13        | 286      | 1.52      | 6.1                  |
| NF Totals                            |   |          |    | 3                                                  |                  | 1,736  | 1,736  | 76               |                                  | 12   | 29    | 59  |            | 8     | 57    | 35    | 34          | 13        | 286      | 1.52      | 6.1                  |
|                                      |   |          |    |                                                    |                  |        |        |                  |                                  |      |       |     |            |       |       |       |             |           |          |           |                      |
| Totals                               |   |          |    |                                                    | 0.0              | 61,186 | 61,174 | 2,692            |                                  | 32   | 36    | 33  | 1          | 15    | 26    | 59    | 33          | 10        | 156      | 0.96      | 392.2                |

| TC                         |   | PSTNDSUM |                 | Stand Table Summary |                |             |              |             |               |               |                       |                       |               | Page      |        | 1         |  |
|----------------------------|---|----------|-----------------|---------------------|----------------|-------------|--------------|-------------|---------------|---------------|-----------------------|-----------------------|---------------|-----------|--------|-----------|--|
|                            |   |          |                 |                     |                |             |              |             |               |               |                       |                       |               | Date:     |        | 4/21/2020 |  |
| T03N R06W S03 Ty00PC 44.00 |   |          |                 | Project             |                |             |              | WLF SAM     |               |               |                       | Time:                 |               | 9:55:34AM |        |           |  |
|                            |   |          |                 | Acres               |                |             |              | 44.00       |               |               |                       | Grown Year:           |               |           |        |           |  |
| S<br>SpC                   | T | Tot      |                 |                     | Trees/<br>Acre | BA/<br>Acre | Logs<br>Acre | Average Log |               | Tons/<br>Acre | Net<br>Cu.Ft.<br>Acre | Net<br>Bd.Ft.<br>Acre | T o t a l s   |           |        |           |  |
|                            |   | DBH      | Sample<br>Trees | FF<br>16'           |                |             |              | Av<br>Ht    | Net<br>Cu.Ft. |               |                       |                       | Net<br>Bd.Ft. | Tons      | Cunits | MBF       |  |
| DF L                       |   | 9        | 2               | 88                  | 88             | 4.312       | 1.90         | 4.31        | 10.0          | 55.0          | 1.22                  | 43                    | 237           | 54        | 19     | 10        |  |
| DF L                       |   | 10       | 4               | 88                  | 88             | 6.985       | 3.81         | 12.22       | 7.5           | 38.6          | 2.60                  | 91                    | 471           | 114       | 40     | 21        |  |
| DF L                       |   | 11       | 5               | 88                  | 91             | 7.216       | 4.76         | 14.43       | 9.1           | 37.0          | 3.74                  | 131                   | 534           | 165       | 58     | 23        |  |
| DF L                       |   | 12       | 5               | 89                  | 104            | 6.063       | 4.76         | 12.13       | 12.2          | 54.0          | 4.22                  | 148                   | 655           | 186       | 65     | 29        |  |
| DF L                       |   | 13       | 13              | 88                  | 96             | 13.432      | 12.38        | 26.86       | 14.4          | 63.5          | 11.03                 | 387                   | 1,705         | 486       | 170    | 75        |  |
| DF L                       |   | 14       | 11              | 89                  | 114            | 9.800       | 10.48        | 22.27       | 17.6          | 82.4          | 11.15                 | 391                   | 1,835         | 491       | 172    | 81        |  |
| DF L                       |   | 15       | 13              | 89                  | 112            | 10.089      | 12.38        | 24.06       | 19.1          | 86.5          | 13.12                 | 460                   | 2,080         | 577       | 203    | 92        |  |
| DF L                       |   | 16       | 9               | 89                  | 128            | 6.139       | 8.57         | 18.42       | 19.6          | 90.7          | 10.30                 | 361                   | 1,671         | 453       | 159    | 74        |  |
| DF L                       |   | 17       | 11              | 89                  | 133            | 6.646       | 10.48        | 19.94       | 23.4          | 113.3         | 13.31                 | 467                   | 2,260         | 586       | 206    | 99        |  |
| DF L                       |   | 18       | 7               | 89                  | 129            | 3.773       | 6.67         | 10.78       | 26.8          | 127.5         | 8.22                  | 288                   | 1,374         | 362       | 127    | 60        |  |
| DF L                       |   | 19       | 17              | 89                  | 128            | 8.223       | 16.19        | 23.70       | 30.7          | 145.5         | 20.71                 | 727                   | 3,449         | 911       | 320    | 152       |  |
| DF L                       |   | 20       | 9               | 89                  | 147            | 3.929       | 8.57         | 12.66       | 34.3          | 173.8         | 12.38                 | 435                   | 2,200         | 545       | 191    | 97        |  |
| DF L                       |   | 21       | 11              | 89                  | 137            | 4.355       | 10.48        | 12.27       | 36.5          | 178.7         | 12.75                 | 447                   | 2,194         | 561       | 197    | 97        |  |
| DF L                       |   | 22       | 4               | 90                  | 143            | 1.443       | 3.81         | 4.33        | 43.7          | 206.7         | 5.39                  | 189                   | 895           | 237       | 83     | 39        |  |
| DF L                       |   | 23       | 5               | 90                  | 144            | 1.650       | 4.76         | 5.61        | 42.4          | 212.9         | 6.78                  | 238                   | 1,195         | 298       | 105    | 53        |  |
| DF L                       |   | 24       | 8               | 89                  | 157            | 2.425       | 7.62         | 9.40        | 42.6          | 226.8         | 11.40                 | 400                   | 2,131         | 502       | 176    | 94        |  |
| DF L                       |   | 25       | 6               | 89                  | 158            | 1.676       | 5.71         | 6.43        | 48.6          | 257.0         | 8.90                  | 312                   | 1,651         | 391       | 137    | 73        |  |
| DF L                       |   | 26       | 3               | 89                  | 163            | .775        | 2.86         | 3.10        | 52.3          | 290.0         | 4.62                  | 162                   | 899           | 203       | 71     | 40        |  |
| DF L                       |   | 27       | 4               | 89                  | 163            | .958        | 3.81         | 3.83        | 54.5          | 298.8         | 5.95                  | 209                   | 1,145         | 262       | 92     | 50        |  |
| DF L                       |   | 28       | 5               | 89                  | 156            | 1.114       | 4.76         | 4.23        | 61.0          | 331.1         | 7.36                  | 258                   | 1,401         | 324       | 114    | 62        |  |
| DF L                       |   | 29       | 2               | 90                  | 153            | .415        | 1.90         | 1.66        | 60.4          | 333.8         | 2.86                  | 100                   | 554           | 126       | 44     | 24        |  |
| DF L                       |   | 30       | 2               | 89                  | 179            | .388        | 1.90         | 1.55        | 76.7          | 430.0         | 3.39                  | 119                   | 667           | 149       | 52     | 29        |  |
| DF L                       |   | 34       | 2               | 89                  | 168            | .302        | 1.90         | 1.21        | 93.3          | 542.5         | 3.21                  | 113                   | 656           | 141       | 50     | 29        |  |
| DF L                       |   | 35       | 1               | 89                  | 175            | .143        | .95          | .57         | 102.6         | 595.0         | 1.67                  | 59                    | 339           | 73        | 26     | 15        |  |
| DF L                       |   | 36       | 2               | 90                  | 166            | .269        | 1.90         | 1.08        | 102.0         | 591.3         | 3.13                  | 110                   | 637           | 138       | 48     | 28        |  |
| DF L                       |   | 39       | 1               | 90                  | 170            | .115        | .95          | .46         | 123.6         | 707.5         | 1.62                  | 57                    | 325           | 71        | 25     | 14        |  |
| DF L                       |   | 58       | 1               | 80                  | 168            | .052        | .95          | .21         | 245.7         | 1282.5        | 1.45                  | 51                    | 266           | 64        | 22     | 12        |  |
| DF L                       |   | Totals   | 163             | 89                  | 117            | 102.686     | 155.24       | 257.72      | 26.2          | 129.7         | 192.50                | 6,754                 | 33,427        | 8,470     | 2,972  | 1,471     |  |
| DF T                       |   | 16       | 1               | 89                  | 131            | .682        | .95          | 2.05        | 19.8          | 90.0          | 1.16                  | 41                    | 184           | 51        | 18     | 8         |  |
| DF T                       |   | 17       | 4               | 89                  | 128            | 2.417       | 3.81         | 7.25        | 23.2          | 103.3         | 4.80                  | 168                   | 749           | 211       | 74     | 33        |  |
| DF T                       |   | 18       | 3               | 90                  | 128            | 1.617       | 2.86         | 4.85        | 26.3          | 114.4         | 3.63                  | 127                   | 555           | 160       | 56     | 24        |  |
| DF T                       |   | 19       | 7               | 90                  | 137            | 3.386       | 6.67         | 10.16       | 30.9          | 140.0         | 8.95                  | 314                   | 1,422         | 394       | 138    | 63        |  |
| DF T                       |   | 20       | 8               | 89                  | 134            | 3.492       | 7.62         | 10.48       | 33.2          | 152.5         | 9.91                  | 348                   | 1,598         | 436       | 153    | 70        |  |
| DF T                       |   | 21       | 7               | 89                  | 142            | 2.772       | 6.67         | 8.32        | 39.6          | 192.4         | 9.39                  | 329                   | 1,600         | 413       | 145    | 70        |  |
| DF T                       |   | 22       | 8               | 89                  | 142            | 2.886       | 7.62         | 9.02        | 42.1          | 202.8         | 10.83                 | 380                   | 1,829         | 476       | 167    | 80        |  |
| DF T                       |   | 23       | 8               | 89                  | 153            | 2.641       | 7.62         | 8.25        | 49.2          | 237.2         | 11.58                 | 406                   | 1,957         | 509       | 179    | 86        |  |
| DF T                       |   | 24       | 6               | 89                  | 144            | 1.819       | 5.71         | 5.46        | 52.5          | 246.1         | 8.17                  | 287                   | 1,343         | 360       | 126    | 59        |  |
| DF T                       |   | 25       | 6               | 88                  | 158            | 1.676       | 5.71         | 5.87        | 52.0          | 256.2         | 8.70                  | 305                   | 1,503         | 383       | 134    | 66        |  |
| DF T                       |   | 26       | 9               | 86                  | 155            | 2.325       | 8.57         | 8.01        | 55.5          | 261.9         | 12.67                 | 445                   | 2,097         | 558       | 196    | 92        |  |
| DF T                       |   | 27       | 6               | 86                  | 160            | 1.437       | 5.71         | 5.03        | 60.6          | 295.7         | 8.68                  | 305                   | 1,487         | 382       | 134    | 65        |  |
| DF T                       |   | 28       | 4               | 85                  | 153            | .891        | 3.81         | 3.12        | 63.6          | 307.9         | 5.65                  | 198                   | 960           | 249       | 87     | 42        |  |
| DF T                       |   | 29       | 5               | 85                  | 165            | 1.038       | 4.76         | 3.74        | 69.9          | 353.3         | 7.44                  | 261                   | 1,321         | 328       | 115    | 58        |  |
| DF T                       |   | 30       | 4               | 87                  | 170            | .776        | 3.81         | 3.10        | 70.0          | 368.7         | 6.20                  | 217                   | 1,145         | 273       | 96     | 50        |  |
| DF T                       |   | 31       | 4               | 86                  | 170            | .727        | 3.81         | 2.73        | 77.7          | 398.7         | 6.03                  | 212                   | 1,087         | 266       | 93     | 48        |  |
| DF T                       |   | 32       | 1               | 86                  | 162            | .171        | .95          | .68         | 74.5          | 367.5         | 1.45                  | 51                    | 251           | 64        | 22     | 11        |  |
| DF T                       |   | 33       | 1               | 85                  | 170            | .160        | .95          | .64         | 82.4          | 425.0         | 1.51                  | 53                    | 273           | 66        | 23     | 12        |  |
| DF T                       |   | 34       | 1               | 84                  | 186            | .151        | .95          | .60         | 95.4          | 515.0         | 1.64                  | 58                    | 311           | 72        | 25     | 14        |  |
| DF T                       |   | 35       | 2               | 85                  | 178            | .285        | 1.90         | 1.14        | 98.5          | 542.5         | 3.20                  | 112                   | 619           | 141       | 49     | 27        |  |
| DF T                       |   | 36       | 1               | 90                  | 178            | .135        | .95          | .54         | 110.8         | 655.0         | 1.70                  | 60                    | 353           | 75        | 26     | 16        |  |
| DF T                       |   | Totals   | 96              | 88                  | 145            | 31.483      | 91.43        | 101.02      | 46.3          | 224.1         | 133.30                | 4,677                 | 22,643        | 5,865     | 2,058  | 996       |  |
| WH L                       |   | 11       | 3               | 87                  | 57             | 4.329       | 2.86         | 5.77        | 9.8           | 40.0          | 1.81                  | 56                    | 231           | 80        | 25     | 10        |  |
| WH L                       |   | 12       | 2               | 90                  | 73             | 2.425       | 1.90         | 3.64        | 14.0          | 60.0          | 1.63                  | 51                    | 218           | 72        | 22     | 10        |  |

| TC                   |   | PSTNDSUM |       |           |          |                |             |              |               |               |               | Stand Table Summary   |                       |             |        |         |  |  |  |             |  | Page  |  | 2         |  |  |  |
|----------------------|---|----------|-------|-----------|----------|----------------|-------------|--------------|---------------|---------------|---------------|-----------------------|-----------------------|-------------|--------|---------|--|--|--|-------------|--|-------|--|-----------|--|--|--|
|                      |   |          |       |           |          |                |             |              |               |               |               |                       |                       |             |        |         |  |  |  |             |  | Date: |  | 4/21/2020 |  |  |  |
| T03N R06W S03 Ty00PC |   |          |       |           |          | 44.00          |             |              |               |               |               | Project               |                       |             |        | WLF SAM |  |  |  | Time:       |  |       |  | 9:55:34AM |  |  |  |
|                      |   |          |       |           |          |                |             |              |               |               |               | Acres                 |                       |             |        | 44.00   |  |  |  | Grown Year: |  |       |  |           |  |  |  |
| S<br>Sp              | T | Sample   |       | Tot       |          | Trees/<br>Acre | BA/<br>Acre | Logs<br>Acre | Average Log   |               | Tons/<br>Acre | Net<br>Cu.Ft.<br>Acre | Net<br>Bd.Ft.<br>Acre | T o t a l s |        |         |  |  |  |             |  |       |  |           |  |  |  |
|                      |   | DBH      | Trees | FF<br>16' | Av<br>Ht |                |             |              | Net<br>Cu.Ft. | Net<br>Bd.Ft. |               |                       |                       | Tons        | Cunits | MBF     |  |  |  |             |  |       |  |           |  |  |  |
| WH                   | L | 20       | 2     | 93        | 117      | .873           | 1.90        | 2.18         | 40.9          | 198.0         | 2.86          | 89                    | 432                   | 126         | 39     | 19      |  |  |  |             |  |       |  |           |  |  |  |
| WH                   | L | 21       | 2     | 93        | 135      | .792           | 1.90        | 2.38         | 41.0          | 200.0         | 3.12          | 97                    | 475                   | 137         | 43     | 21      |  |  |  |             |  |       |  |           |  |  |  |
| WH                   | L | 22       | 1     | 92        | 124      | .361           | .95         | 1.08         | 43.2          | 216.7         | 1.50          | 47                    | 235                   | 66          | 21     | 10      |  |  |  |             |  |       |  |           |  |  |  |
| WH                   | L | 23       | 3     | 93        | 126      | .990           | 2.86        | 3.30         | 42.8          | 227.0         | 4.52          | 141                   | 749                   | 199         | 62     | 33      |  |  |  |             |  |       |  |           |  |  |  |
| WH                   | L | Totals   | 13    | 90        | 82       | 9.771          | 12.38       | 18.35        | 26.3          | 127.5         | 15.43         | 482                   | 2,340                 | 679         | 212    | 103     |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 20       | 1     | 90        | 145      | .437           | .95         | 1.31         | 37.1          | 186.7         | 1.17          | 49                    | 244                   | 51          | 21     | 11      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 24       | 1     | 91        | 164      | .303           | .95         | 1.21         | 42.6          | 230.0         | 1.24          | 52                    | 279                   | 55          | 23     | 12      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 25       | 1     | 90        | 165      | .279           | .95         | 1.12         | 48.8          | 262.5         | 1.31          | 55                    | 293                   | 58          | 24     | 13      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 27       | 1     | 91        | 150      | .240           | .95         | .96          | 51.6          | 285.0         | 1.19          | 49                    | 273                   | 52          | 22     | 12      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 28       | 1     | 89        | 155      | .223           | .95         | .89          | 57.7          | 320.0         | 1.23          | 51                    | 285                   | 54          | 23     | 13      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | 35       | 1     | 92        | 177      | .143           | .95         | .57          | 105.7         | 632.5         | 1.45          | 60                    | 361                   | 64          | 27     | 16      |  |  |  |             |  |       |  |           |  |  |  |
| NF                   | L | Totals   | 6     | 90        | 157      | 1.624          | 5.71        | 6.06         | 52.1          | 286.4         | 7.58          | 316                   | 1,736                 | 334         | 139    | 76      |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 11       | 1     | 81        | 40       | 1.443          | .95         | 1.44         | 10.7          | 30.0          | .36           | 15                    | 43                    | 16          | 7      | 2       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 13       | 1     | 81        | 68       | 1.033          | .95         | 2.07         | 10.7          | 40.0          | .52           | 22                    | 83                    | 23          | 10     | 4       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 15       | 1     | 80        | 73       | .776           | .95         | 1.55         | 15.5          | 60.0          | .56           | 24                    | 93                    | 25          | 11     | 4       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 17       | 1     | 80        | 60       | .604           | .95         | 1.21         | 17.0          | 60.0          | .48           | 21                    | 73                    | 21          | 9      | 3       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 23       | 1     | 81        | 113      | .330           | .95         | .99          | 37.8          | 160.0         | .88           | 37                    | 158                   | 39          | 16     | 7       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 30       | 1     | 80        | 115      | .194           | .95         | .58          | 67.2          | 296.7         | .92           | 39                    | 173                   | 40          | 17     | 8       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 37       | 1     | 80        | 130      | .128           | .95         | .38          | 115.0         | 520.0         | 1.03          | 44                    | 199                   | 45          | 19     | 9       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | 38       | 1     | 81        | 136      | .121           | .95         | .36          | 126.5         | 570.0         | 1.08          | 46                    | 207                   | 47          | 20     | 9       |  |  |  |             |  |       |  |           |  |  |  |
| RC                   | L | Totals   | 8     | 81        | 68       | 4.629          | 7.62        | 8.59         | 28.9          | 119.8         | 5.84          | 248                   | 1,028                 | 257         | 109    | 45      |  |  |  |             |  |       |  |           |  |  |  |
| Totals               |   | 286      |       | 88        | 120      | 150.193        | 272.38      | 391.74       | 31.9          | 156.2         | 354.65        | 12,478                | 61,174                | 15,605      | 5,490  | 2,692   |  |  |  |             |  |       |  |           |  |  |  |

| TC                   |        | PLOGSTVB       |            |              |          |            |          |                                          |     |     |     |             |       |       |       |                |       |       |     | Log Stock Table - MBF |  |  |  |  |  |  |  |  |  |
|----------------------|--------|----------------|------------|--------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------------|-------|-------|-------|----------------|-------|-------|-----|-----------------------|--|--|--|--|--|--|--|--|--|
| T03N R06W S03 Ty00PC |        |                |            | 44.00        |          |            |          | Project: WLFSAM                          |     |     |     | Acres 44.00 |       |       |       | Page 1         |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                      |        |                |            |              |          |            |          |                                          |     |     |     |             |       |       |       | Date 4/21/2020 |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                      |        |                |            |              |          |            |          |                                          |     |     |     |             |       |       |       | Time 9:55:33AM |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| Spp                  | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                      |        |                |            |              |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11       | 12-13 | 14-15 | 16-19 | 20-23          | 24-29 | 30-39 | 40+ |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 20         | 2            |          | 2          | .2       |                                          |     |     | 2   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 22         | 1            |          | 1          | .1       |                                          |     | 1   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 26         | 18           |          | 18         | 1.2      |                                          |     | 1   | 5   | 7           |       | 4     |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 27         | 6            |          | 6          | .4       |                                          |     |     | 2   |             | 4     |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 28         | 73           |          | 73         | 4.9      |                                          |     | 13  | 22  | 21          | 12    | 4     |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 29         | 20           |          | 20         | 1.3      |                                          |     |     | 2   | 3           | 14    |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 30         | 168          |          | 168        | 11.4     |                                          |     | 18  | 26  | 37          | 23    | 39    | 21    | 6              |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 31         | 31           |          | 31         | 2.1      |                                          |     | 8   | 4   | 5           |       | 5     | 4     | 6              |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 32         | 289          |          | 289        | 19.6     |                                          |     | 18  | 21  | 29          | 52    | 35    | 98    | 37             |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 33         | 44           |          | 44         | 3.0      |                                          |     | 13  | 8   |             | 10    | 9     | 4     |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 34         | 167          |          | 167        | 11.3     |                                          |     | 33  | 3   | 27          | 35    | 16    | 20    | 26             | 7     |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 35         | 52           |          | 52         | 3.5      |                                          |     | 2   | 9   | 8           |       | 11    | 4     | 11             | 7     |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 36         | 238          |          | 238        | 16.2     |                                          |     | 24  | 5   | 53          | 30    | 59    | 26    | 21             | 22    |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 37         | 27           |          | 27         | 1.8      |                                          |     | 4   |     | 10          | 4     | 2     | 6     |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 38         | 182          |          | 182        | 12.4     |                                          |     | 29  | 9   | 29          | 17    | 27    | 35    | 14             | 12    | 10    |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 39         | 49           |          | 49         | 3.4      |                                          |     | 11  |     | 13          | 8     |       | 11    | 7              |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 40         | 64           |          | 64         | 4.3      |                                          |     | 18  |     | 22          | 8     | 15    |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 3M             | 41         | 12           |          | 12         | .8       |                                          |     | 12  |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 20         | 3            |          | 3          | .2       |                                          |     |     | 3   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 21         | 2            |          | 2          | .2       |                                          |     | 2   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 22         | 10           |          | 10         | .7       |                                          |     | 10  |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 23         | 3            |          | 3          | .2       |                                          |     | 3   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 24         | 7            |          | 7          | .5       |                                          |     | 2   | 5   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | L      | 4M             | 26         | 4            |          | 4          | .3       |                                          |     | 4   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   |        | Totals         |            | 1,471        |          | 1,471      | 54.6     |                                          |     | 226 | 126 | 264         | 217   | 225   | 229   | 126            | 48    | 10    |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 2M             | 40         | 768          |          | 767        | 77.0     |                                          |     |     |     | 138         |       | 148   | 321   | 131            | 29    |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 26         | 0            |          | 0          | .0       |                                          |     |     | 0   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 28         | 1            |          | 1          | .1       |                                          |     | 0   | 0   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 30         | 20           |          | 20         | 2.0      |                                          |     | 1   | 0   | 5           | 5     | 3     | 6     |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 31         | 1            |          | 1          | .1       |                                          |     | 1   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 32         | 11           |          | 11         | 1.1      |                                          |     | 3   |     | 3           |       | 5     |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 34         | 15           |          | 15         | 1.5      |                                          |     | 2   |     |             | 2     |       | 10    |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 35         | 1            |          | 1          | .1       |                                          |     | 1   |     |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 36         | 4            |          | 4          | .4       |                                          |     | 3   | 1   |             |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 38         | 23           |          | 23         | 2.3      |                                          |     | 6   | 3   | 3           |       | 11    |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                   | T      | 3M             | 40         | 137          |          | 137        | 13.8     |                                          |     | 17  | 47  | 73          |       |       |       |                |       |       |     |                       |  |  |  |  |  |  |  |  |  |

| TC                        |        | PLOGSTVB       |            | Log Stock Table - MBF |          |            |          |                                          |     |     |     |       |       |       |       |       |       |       |     |           |  |
|---------------------------|--------|----------------|------------|-----------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|-----------|--|
| T03N R06W S03 Ty00PC44.00 |        |                |            | Project:              |          | WLFSAM     |          |                                          |     |     |     |       |       |       |       |       |       | Page  |     | 2         |  |
|                           |        |                |            | Acres                 |          | 44.00      |          |                                          |     |     |     |       |       |       |       |       |       | Date  |     | 4/21/2020 |  |
|                           |        |                |            |                       |          |            |          |                                          |     |     |     |       |       |       |       |       |       | Time  |     | 9:55:33AM |  |
| Spp                       | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF          | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |       |       |       |       |       |     |           |  |
|                           |        |                |            |                       |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |           |  |
| DF                        | T      | 4M             | 12         | 2                     |          | 2          | .2       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 14         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 16         | 3                     |          | 3          | .3       |                                          |     | 2   | 0   |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 18         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 20         | 2                     |          | 2          | .2       |                                          |     | 2   | 0   |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 22         | 3                     |          | 3          | .3       |                                          |     | 3   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 24         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 26         | 2                     |          | 2          | .2       |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 28         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        | T      | 4M             | 30         | 1                     |          | 1          | .1       |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| DF                        |        | Totals         |            | 997                   |          | 996        | 37.0     |                                          |     | 50  | 53  | 84    | 145   | 168   | 337   | 131   | 29    |       |     |           |  |
| RC                        | L      | 3M             | 21         | 2                     |          | 2          | 5.0      |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 22         | 5                     |          | 5          | 10.1     |                                          |     | 2   |     | 2     |       |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 24         | 3                     |          | 3          | 6.8      |                                          |     |     |     | 3     |       |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 26         | 1                     |          | 1          | 2.3      |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 29         | 4                     |          | 4          | 9.3      |                                          |     |     |     |       |       | 4     |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 30         | 3                     |          | 3          | 6.1      |                                          |     | 1   |     |       | 2     |       |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 32         | 8                     |          | 8          | 16.8     |                                          |     | 0   |     |       | 2     |       | 5     |       |       |       |     |           |  |
| RC                        | L      | 3M             | 37         | 6                     |          | 6          | 13.1     |                                          |     |     |     |       |       |       |       | 6     |       |       |     |           |  |
| RC                        | L      | 3M             | 38         | 3                     |          | 3          | 6.2      |                                          |     | 0   |     |       |       | 2     |       |       |       |       |     |           |  |
| RC                        | L      | 3M             | 39         | 6                     |          | 6          | 13.2     |                                          |     |     |     |       |       |       |       | 6     |       |       |     |           |  |
| RC                        | L      | 3M             | 40         | 3                     |          | 3          | 6.9      |                                          |     | 0   |     |       |       | 3     |       |       |       |       |     |           |  |
| RC                        | L      | 4M             | 25         | 2                     |          | 2          | 4.2      |                                          |     | 2   |     |       |       |       |       |       |       |       |     |           |  |
| RC                        |        | Totals         |            | 45                    |          | 45         | 1.7      |                                          |     | 7   | 2   | 5     | 2     | 2     | 10    | 5     | 12    |       |     |           |  |
| WH                        | L      | 3M             | 28         | 5                     |          | 5          | 5.2      |                                          |     | 2   | 4   |       |       |       |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 30         | 14                    |          | 14         | 13.8     |                                          |     |     |     | 3     |       | 12    |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 31         | 3                     |          | 3          | 3.2      |                                          |     | 1   |     | 3     |       |       |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 32         | 15                    |          | 15         | 14.2     |                                          |     | 1   |     | 2     |       | 12    |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 33         | 6                     |          | 6          | 6.3      |                                          |     | 1   |     |       |       | 6     |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 34         | 13                    |          | 13         | 13.0     |                                          |     | 1   |     | 6     |       | 6     |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 35         | 4                     |          | 4          | 3.9      |                                          |     | 4   |     |       |       |       |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 36         | 10                    |          | 10         | 10.1     |                                          |     |     |     | 3     |       | 7     |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 37         | 1                     |          | 1          | 1.1      |                                          |     | 1   |     |       |       |       |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 39         | 7                     |          | 7          | 6.6      |                                          |     |     |     |       |       | 7     |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 40         | 10                    |          | 10         | 9.8      |                                          |     | 1   |     | 3     | 6     |       |       |       |       |       |     |           |  |
| WH                        | L      | 3M             | 41         | 6                     |          | 6          | 6.0      |                                          |     | 6   |     |       |       |       |       |       |       |       |     |           |  |

| TC                        |        | PLOGSTVB             |            | Log Stock Table - MBF |          |            |          |                                          |     |     |     |       |       |       |       |                |       |       |     |  |  |
|---------------------------|--------|----------------------|------------|-----------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|-------|-------|----------------|-------|-------|-----|--|--|
| T03N R06W S03 Ty00PC44.00 |        |                      |            | Project: WLFSAM       |          |            |          |                                          |     |     |     |       |       |       |       | Page 3         |       |       |     |  |  |
|                           |        |                      |            | Acres 44.00           |          |            |          |                                          |     |     |     |       |       |       |       | Date 4/21/2020 |       |       |     |  |  |
|                           |        |                      |            |                       |          |            |          |                                          |     |     |     |       |       |       |       | Time 9:55:33AM |       |       |     |  |  |
| Spp                       | S<br>T | So<br>Gr<br>rt<br>de | Log<br>Len | Gross<br>MBF          | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |       |       |                |       |       |     |  |  |
|                           |        |                      |            |                       |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-19 | 20-23          | 24-29 | 30-39 | 40+ |  |  |
| WH                        | L      | 4M                   | 21         | 3                     |          | 3          | 2.5      |                                          |     |     | 3   |       |       |       |       |                |       |       |     |  |  |
| WH                        | L      | 4M                   | 22         | 2                     |          | 2          | 1.8      |                                          |     | 2   |     |       |       |       |       |                |       |       |     |  |  |
| WH                        | L      | 4M                   | 29         | 3                     |          | 3          | 2.5      |                                          |     | 3   |     |       |       |       |       |                |       |       |     |  |  |
| WH                        |        | Totals               |            | 103                   |          | 103        | 3.8      |                                          |     | 21  | 6   |       | 21    | 6     | 49    |                |       |       |     |  |  |
| NF                        | L      | 3M                   | 30         | 6                     |          | 6          | 7.9      |                                          |     |     |     |       |       |       |       | 6              |       |       |     |  |  |
| NF                        | L      | 3M                   | 31         | 4                     |          | 4          | 5.0      |                                          |     |     |     |       |       |       | 4     |                |       |       |     |  |  |
| NF                        | L      | 3M                   | 32         | 20                    |          | 20         | 26.2     |                                          |     | 1   |     |       | 4     |       | 10    | 6              |       |       |     |  |  |
| NF                        | L      | 3M                   | 33         | 10                    |          | 10         | 13.0     |                                          |     |     |     |       |       | 4     | 6     |                |       |       |     |  |  |
| NF                        | L      | 3M                   | 34         | 10                    |          | 10         | 13.2     |                                          |     | 2   |     | 2     | 2     |       | 4     |                |       |       |     |  |  |
| NF                        | L      | 3M                   | 37         | 6                     |          | 6          | 8.3      |                                          |     |     |     |       |       | 6     |       |                |       |       |     |  |  |
| NF                        | L      | 3M                   | 38         | 20                    |          | 20         | 26.1     |                                          |     | 1   |     | 3     |       |       | 2     | 5              | 8     |       |     |  |  |
| NF                        | L      | 3M                   | 40         | 0                     |          | 0          | .5       |                                          |     | 0   |     |       |       |       |       |                |       |       |     |  |  |
| NF                        |        | Totals               |            | 76                    |          | 76         | 2.8      |                                          |     | 4   |     | 5     | 6     | 10    | 26    | 17             | 8     |       |     |  |  |
| Total                     |        | All Species          |            | 2,692                 |          | 2,692      | 100.0    |                                          |     | 308 | 188 | 359   | 391   | 411   | 650   | 279            | 97    | 10    |     |  |  |

| TC PSTATS                                                        |      |       |                   | PROJECT STATISTICS |        |           |                 | PAGE  | 1         |        |        |
|------------------------------------------------------------------|------|-------|-------------------|--------------------|--------|-----------|-----------------|-------|-----------|--------|--------|
|                                                                  |      |       |                   | PROJECT            | WLFSAM |           |                 | DATE  | 4/21/2020 |        |        |
| TWP                                                              | RGE  | SC    | TRACT             | TYPE               |        | ACRES     | PLOTS           | TREES | CuFt      | BdFt   |        |
| 03N                                                              | 06   | 03    | 00U1              | 00PC               |        | 66.00     | 31              | 429   | S         | W      |        |
| 03N                                                              | 06W  | 03    | 00U2              | 00PC               |        |           |                 |       |           |        |        |
|                                                                  |      |       |                   | TREES              |        | ESTIMATED | PERCENT         |       |           |        |        |
|                                                                  |      |       |                   | TREES              |        | TOTAL     | SAMPLE          |       |           |        |        |
|                                                                  |      |       |                   | PLOTS              | TREES  | PER PLOT  | TREES           | TREES |           |        |        |
| TOTAL                                                            |      |       | 31                | 429                | 13.8   |           |                 |       |           |        |        |
| CRUISE                                                           |      |       | 31                | 429                | 13.8   | 10,198    |                 | 4.2   |           |        |        |
| DBH COUNT                                                        |      |       |                   |                    |        |           |                 |       |           |        |        |
| REFOREST                                                         |      |       |                   |                    |        |           |                 |       |           |        |        |
| COUNT                                                            |      |       |                   |                    |        |           |                 |       |           |        |        |
| BLANKS                                                           |      |       |                   |                    |        |           |                 |       |           |        |        |
| 100 %                                                            |      |       |                   |                    |        |           |                 |       |           |        |        |
| STAND SUMMARY                                                    |      |       |                   |                    |        |           |                 |       |           |        |        |
| 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 FIR-L                                                       |      |       | 251               | 107.7              | 16.6   | 117       | 39.8            | 162.2 | 35,504    | 35,504 | 7,117  |
| DOUG FIR-T                                                       |      |       | 150               | 35.8               | 22.3   | 145       | 20.5            | 97.0  | 23,415    | 23,350 | 4,902  |
| WHEMLOCK-L                                                       |      |       | 13                | 6.5                | 15.2   | 82        | 2.1             | 8.3   | 1,560     | 1,560  | 321    |
| WR CEDAR-L                                                       |      |       | 9                 | 3.3                | 17.8   | 70        | 1.4             | 5.7   | 784       | 784    | 192    |
| NOB FIR-L                                                        |      |       | 6                 | 1.1                | 25.4   | 157       | 0.8             | 3.8   | 1,157     | 1,157  | 211    |
| TOTAL                                                            |      |       | 429               | 154.5              | 18.1   | 121       | 65.0            | 276.9 | 62,421    | 62,356 | 12,744 |
| CONFIDENCE LIMITS OF THE SAMPLE                                  |      |       |                   |                    |        |           |                 |       |           |        |        |
| 68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR |      |       |                   |                    |        |           |                 |       |           |        |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - BF |                    |        |           | # OF TREES REQ. |       | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5               | 10    | 15        |        |        |
| DOUG FIR-L                                                       |      |       | 107.1             | 6.8                | 569    | 610       | 651             |       |           |        |        |
| DOUG FIR-T                                                       |      |       | 53.4              | 4.4                | 757    | 791       | 826             |       |           |        |        |
| WHEMLOCK-L                                                       |      |       | 75.9              | 21.9               | 328    | 419       | 511             |       |           |        |        |
| WR CEDAR-L                                                       |      |       | 108.3             | 38.2               | 369    | 598       | 826             |       |           |        |        |
| NOB FIR-L                                                        |      |       | 54.1              | 24.1               | 946    | 1,247     | 1,547           |       |           |        |        |
| TOTAL                                                            |      |       | 86.4              | 4.2                | 648    | 676       | 704             | 298   | 75        | 33     |        |
| CL                                                               | 68.1 | COEFF | SAMPLE TREES - CF |                    |        |           | # OF TREES REQ. |       | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5               | 10    | 15        |        |        |
| DOUG FIR-L                                                       |      |       | 98.3              | 6.2                | 110    | 117       | 124             |       |           |        |        |
| DOUG FIR-T                                                       |      |       | 46.4              | 3.8                | 157    | 163       | 169             |       |           |        |        |
| WHEMLOCK-L                                                       |      |       | 70.5              | 20.3               | 67     | 84        | 101             |       |           |        |        |
| WR CEDAR-L                                                       |      |       | 102.2             | 36.1               | 88     | 138       | 188             |       |           |        |        |
| NOB FIR-L                                                        |      |       | 47.6              | 21.2               | 176    | 223       | 270             |       |           |        |        |
| TOTAL                                                            |      |       | 78.2              | 3.8                | 129    | 134       | 139             | 244   | 61        | 27     |        |
| CL                                                               | 68.1 | COEFF | TREES/ACRE        |                    |        |           | # OF PLOTS REQ. |       | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5               | 10    | 15        |        |        |
| DOUG FIR-L                                                       |      |       | 49.3              | 8.8                | 98     | 108       | 117             |       |           |        |        |
| DOUG FIR-T                                                       |      |       | 80.2              | 14.4               | 31     | 36        | 41              |       |           |        |        |
| WHEMLOCK-L                                                       |      |       | 243.7             | 43.7               | 4      | 7         | 9               |       |           |        |        |
| WR CEDAR-L                                                       |      |       | 272.0             | 48.8               | 2      | 3         | 5               |       |           |        |        |
| NOB FIR-L                                                        |      |       | 243.8             | 43.7               | 1      | 1         | 2               |       |           |        |        |
| TOTAL                                                            |      |       | 44.8              | 8.0                | 142    | 155       | 167             | 80    | 20        | 9      |        |
| CL                                                               | 68.1 | COEFF | BASAL AREA/ACRE   |                    |        |           | # OF PLOTS REQ. |       | INF. POP. |        |        |
| SD:                                                              | 1.0  | VAR.% | S.E.%             | LOW                | AVG    | HIGH      | 5               | 10    | 15        |        |        |
| DOUG FIR-L                                                       |      |       | 18.1              | 3.2                | 157    | 162       | 167             |       |           |        |        |
| DOUG FIR-T                                                       |      |       | 60.0              | 10.8               | 87     | 97        | 107             |       |           |        |        |
| WHEMLOCK-L                                                       |      |       | 236.7             | 42.5               | 5      | 8         | 12              |       |           |        |        |
| WR CEDAR-L                                                       |      |       | 202.3             | 36.3               | 4      | 6         | 8               |       |           |        |        |
| NOB FIR-L                                                        |      |       | 246.7             | 44.3               | 2      | 4         | 5               |       |           |        |        |
| TOTAL                                                            |      |       | 21.3              | 3.8                | 266    | 277       | 287             | 18    | 5         | 2      |        |

**PROJECT STATISTICS****PROJECT WLFSAM**

DATE 4/21/2020

| TWP          | RGE  | SC    | TRACT            | TYPE   | ACRES  | PLOTS           | TREES | CuFt      | BdFt |
|--------------|------|-------|------------------|--------|--------|-----------------|-------|-----------|------|
| 03N          | 06   | 03    | 00U1             | 00PC   | 66.00  | 31              | 429   | S         | W    |
| 03N          | 06W  | 03    | 00U2             | 00PC   |        |                 |       |           |      |
| CL           | 68.1 | COEFF | NET BF/ACRE      |        |        | # OF PLOTS REQ. |       | INF. POP. |      |
| SD:          | 1.0  | VAR.% | S.E.%            | LOW    | AVG    | HIGH            | 5     | 10        | 15   |
| DOUG FIR-L   |      | 23.7  | 4.3              | 33,994 | 35,504 | 37,015          |       |           |      |
| DOUG FIR-T   |      | 56.1  | 10.1             | 21,001 | 23,350 | 25,700          |       |           |      |
| WHEMLOCK-L   |      | 237.7 | 42.7             | 895    | 1,560  | 2,226           |       |           |      |
| WR CEDAR-L   |      | 196.9 | 35.3             | 507    | 784    | 1,061           |       |           |      |
| NOB FIR-L    |      | 255.4 | 45.8             | 627    | 1,157  | 1,687           |       |           |      |
| <b>TOTAL</b> |      | 23.3  | 4.2              | 59,753 | 62,356 | 64,960          | 22    | 5         | 2    |
| CL           | 68.1 | COEFF | NET CUFT FT/ACRE |        |        | # OF PLOTS REQ. |       | INF. POP. |      |
| SD:          | 1.0  | VAR.% | S.E.%            | LOW    | AVG    | HIGH            | 5     | 10        | 15   |
| DOUG FIR-L   |      | 21.1  | 3.8              | 6,848  | 7,117  | 7,386           |       |           |      |
| DOUG FIR-T   |      | 57.3  | 10.3             | 4,398  | 4,902  | 5,406           |       |           |      |
| WHEMLOCK-L   |      | 237.8 | 42.7             | 184    | 321    | 459             |       |           |      |
| WR CEDAR-L   |      | 195.0 | 35.0             | 125    | 192    | 259             |       |           |      |
| NOB FIR-L    |      | 251.6 | 45.2             | 116    | 211    | 306             |       |           |      |
| <b>TOTAL</b> |      | 22.7  | 4.1              | 12,224 | 12,744 | 13,263          | 21    | 5         | 2    |

| TC                                                                        |         | PSPCSTGR    |                  | Species, Sort Grade - Board Foot Volumes (Project) |        |                |                  |                                  |       |            |       |       |       |          |           |             |           |           |      |                      |  |
|---------------------------------------------------------------------------|---------|-------------|------------------|----------------------------------------------------|--------|----------------|------------------|----------------------------------|-------|------------|-------|-------|-------|----------|-----------|-------------|-----------|-----------|------|----------------------|--|
| <div>T03N R06W S03 Ty00PC22.00</div> <div>T03N R06W S03 Ty00PC44.00</div> |         |             |                  | Project:                                           |        | WLFSAM         |                  |                                  |       |            |       |       |       |          |           | Page        |           | 1         |      |                      |  |
|                                                                           |         |             |                  | Acres                                              |        | 66.00          |                  |                                  |       |            |       |       |       |          |           | Date        |           | 4/21/2020 |      |                      |  |
|                                                                           |         |             |                  |                                                    |        |                |                  |                                  |       |            |       |       |       |          |           | Time        |           | 3:44:51PM |      |                      |  |
| S<br>Spp                                                                  | So<br>T | Gr<br>rt ad | %<br>Net<br>BdFt | Bd. Ft. per Acre                                   |        |                | Total<br>Net MBF | Percent of Net Board Foot Volume |       |            |       |       |       |          |           | Average Log |           |           |      | Logs<br>Per<br>/Acre |  |
|                                                                           |         |             | Def%             | Gross                                              | Net    | Log Scale Dia. |                  |                                  |       | Log Length |       |       |       | Ln<br>Ft | Dia<br>In | Bd<br>Ft    | CF/<br>Lf |           |      |                      |  |
|                                                                           |         |             |                  |                                                    |        | 4-5            |                  | 6-11                             | 12-16 | 17+        | 12-20 | 21-30 | 31-35 |          |           |             |           | 36-99     |      |                      |  |
| DF                                                                        | L       | 3M          | 98               |                                                    | 34,809 | 34,809         | 2,297            |                                  | 39    | 33         | 28    | 0     | 19    | 44       | 37        | 34          | 10        | 142       | 0.85 | 245.5                |  |
| DF                                                                        | L       | 4M          | 2                |                                                    | 696    | 696            | 46               |                                  | 100   |            |       | 11    | 89    |          |           | 23          | 7         | 33        | 0.32 | 20.8                 |  |
| DF Totals                                                                 |         |             | 57               |                                                    | 35,504 | 35,504         | 2,343            |                                  | 40    | 32         | 28    | 0     | 20    | 43       | 37        | 33          | 9         | 133       | 0.82 | 266.4                |  |
| DF                                                                        | T       | CU          |                  |                                                    |        |                |                  |                                  |       |            |       |       |       |          |           | 8           | 13        |           | 0.00 | .3                   |  |
| DF                                                                        | T       | 2M          | 74               | .3                                                 | 17,537 | 17,493         | 1,155            |                                  |       | 51         | 49    |       |       |          | 100       | 40          | 15        | 378       | 1.87 | 46.2                 |  |
| DF                                                                        | T       | 3M          | 24               | .4                                                 | 5,495  | 5,475          | 361              |                                  | 88    | 8          | 3     |       | 6     | 8        | 87        | 39          | 9         | 114       | 0.73 | 47.8                 |  |
| DF                                                                        | T       | 4M          | 2                |                                                    | 383    | 383            | 25               |                                  | 100   |            |       | 51    | 49    |          |           | 18          | 6         | 21        | 0.33 | 17.8                 |  |
| DF Totals                                                                 |         |             | 37               | .3                                                 | 23,415 | 23,350         | 1,541            |                                  | 22    | 40         | 38    | 1     | 2     | 2        | 95        | 36          | 11        | 208       | 1.22 | 112.2                |  |
| RC                                                                        | L       | 3M          | 96               |                                                    | 755    | 755            | 50               |                                  | 29    | 27         | 44    |       | 36    | 15       | 49        | 27          | 10        | 143       | 1.26 | 5.3                  |  |
| RC                                                                        | L       | 4M          | 4                |                                                    | 29     | 29             | 2                |                                  | 100   |            |       |       | 100   |          |           | 25          | 6         | 30        | 0.43 | 1.0                  |  |
| RC Totals                                                                 |         |             | 1                |                                                    | 784    | 784            | 52               |                                  | 31    | 26         | 42    |       | 38    | 15       | 47        | 27          | 9         | 126       | 1.14 | 6.2                  |  |
| WH                                                                        | L       | 3M          | 93               |                                                    | 1,454  | 1,454          | 96               |                                  | 21    | 53         | 26    |       | 20    | 44       | 36        | 34          | 10        | 156       | 0.93 | 9.3                  |  |
| WH                                                                        | L       | 4M          | 7                |                                                    | 106    | 106            | 7                |                                  | 100   |            |       |       | 100   |          |           | 24          | 7         | 37        | 0.36 | 2.9                  |  |
| WH Totals                                                                 |         |             | 3                |                                                    | 1,560  | 1,560          | 103              |                                  | 27    | 49         | 24    |       | 26    | 41       | 34        | 32          | 9         | 128       | 0.83 | 12.2                 |  |
| NF                                                                        | L       | 3M          | 100              |                                                    | 1,157  | 1,157          | 76               |                                  | 12    | 29         | 59    |       | 8     | 57       | 35        | 34          | 13        | 286       | 1.52 | 4.0                  |  |
| NF Totals                                                                 |         |             | 2                |                                                    | 1,157  | 1,157          | 76               |                                  | 12    | 29         | 59    |       | 8     | 57       | 35        | 34          | 13        | 286       | 1.52 | 4.0                  |  |
| Totals                                                                    |         |             |                  | 0.1                                                | 62,421 | 62,356         | 4,116            |                                  | 33    | 35         | 32    | 0     | 14    | 27       | 59        | 33          | 10        | 155       | 0.95 | 401.0                |  |

| TC       |  | Stand Table Summary |  |  |  |  |  |  |  |  |  | Page      |  |
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| TC                                           |        | PSTNDSUM |                 |           |          |                |             |              |               |               |               | Stand Table Summary   |                       |             |             |     |  |  |  |           |  | Page  |  | 2         |  |
|----------------------------------------------|--------|----------|-----------------|-----------|----------|----------------|-------------|--------------|---------------|---------------|---------------|-----------------------|-----------------------|-------------|-------------|-----|--|--|--|-----------|--|-------|--|-----------|--|
|                                              |        |          |                 |           |          |                |             |              |               |               |               |                       |                       |             |             |     |  |  |  |           |  | Date: |  | 4/21/2020 |  |
| T03N R06W S03 Ty00PC<br>T03N R06W S03 Ty00PC |        |          |                 |           | Project  |                |             |              |               | WLFSAM        |               |                       |                       |             | Time:       |     |  |  |  | 3:44:53PM |  |       |  |           |  |
|                                              |        |          |                 |           | Acres    |                |             |              |               | 66.00         |               |                       |                       |             | Grown Year: |     |  |  |  |           |  |       |  |           |  |
| S<br>SpC                                     | T      | Tot      |                 |           |          | Trees/<br>Acre | BA/<br>Acre | Logs<br>Acre | Average Log   |               | Tons/<br>Acre | Net<br>Cu.Ft.<br>Acre | Net<br>Bd.Ft.<br>Acre | T o t a l s |             |     |  |  |  |           |  |       |  |           |  |
|                                              |        | DBH      | Sample<br>Trees | FF<br>16' | Av<br>Ht |                |             |              | Net<br>Cu.Ft. | Net<br>Bd.Ft. |               |                       |                       | Tons        | Cunits      | MBF |  |  |  |           |  |       |  |           |  |
| DF T                                         | Totals | 150      | 88              | 145       | 35.837   | 96.95          | 111.89      | 43.8         | 208.7         | 139.71        | 4,902         | 23,350                | 9,221                 | 3,235       | 1,541       |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 11     | 3        | 87              | 57        | 2.886    | 1.90           | 3.85        | 9.8          | 40.0          | 1.20          | 38            | 154                   | 80                    | 25          | 10          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 12     | 2        | 90              | 73        | 1.617    | 1.27           | 2.43        | 14.0         | 60.0          | 1.08          | 34            | 146                   | 72                    | 22          | 10          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 20     | 2        | 93              | 117       | .582     | 1.27           | 1.46        | 40.9         | 198.0         | 1.91          | 60            | 288                   | 126                   | 39          | 19          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 21     | 2        | 93              | 135       | .528     | 1.27           | 1.58        | 41.0         | 200.0         | 2.08          | 65            | 317                   | 137                   | 43          | 21          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 22     | 1        | 92              | 124       | .241     | .63            | .72         | 43.2         | 216.7         | 1.00          | 31            | 156                   | 66                    | 21          | 10          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | 23     | 3        | 93              | 126       | .660     | 1.90           | 2.20        | 42.8         | 227.0         | 3.01          | 94            | 500                   | 199                   | 62          | 33          |     |  |  |  |           |  |       |  |           |  |
| WH L                                         | Totals | 13       | 90              | 82        | 6.514    | 8.25           | 12.23       | 26.3         | 127.5         | 10.29         | 321           | 1,560                 | 679                   | 212         | 103         |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 20     | 1        | 90              | 145       | .291     | .63            | .87         | 37.1         | 186.7         | .78           | 32            | 163                   | 51                    | 21          | 11          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 24     | 1        | 91              | 164       | .202     | .63            | .81         | 42.6         | 230.0         | .83           | 34            | 186                   | 55                    | 23          | 12          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 25     | 1        | 90              | 165       | .186     | .63            | .75         | 48.8         | 262.5         | .87           | 36            | 196                   | 58                    | 24          | 13          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 27     | 1        | 91              | 150       | .160     | .63            | .64         | 51.6         | 285.0         | .79           | 33            | 182                   | 52                    | 22          | 12          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 28     | 1        | 89              | 155       | .148     | .63            | .59         | 57.7         | 320.0         | .82           | 34            | 190                   | 54                    | 23          | 13          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | 35     | 1        | 92              | 177       | .095     | .63            | .38         | 105.7        | 632.5         | .96           | 40            | 240                   | 64                    | 27          | 16          |     |  |  |  |           |  |       |  |           |  |
| NF L                                         | Totals | 6        | 90              | 157       | 1.083    | 3.81           | 4.04        | 52.1         | 286.4         | 5.06          | 211           | 1,157                 | 334                   | 139         | 76          |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 11     | 1        | 81              | 40        | .962     | .63            | .96         | 10.7         | 30.0          | .24           | 10            | 29                    | 16                    | 7           | 2           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 13     | 1        | 81              | 68        | .689     | .63            | 1.38        | 10.7         | 40.0          | .35           | 15            | 55                    | 23                    | 10          | 4           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 15     | 1        | 80              | 73        | .517     | .63            | 1.03        | 15.5         | 60.0          | .38           | 16            | 62                    | 25                    | 11          | 4           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 17     | 1        | 80              | 60        | .403     | .63            | .81         | 17.0         | 60.0          | .32           | 14            | 48                    | 21                    | 9           | 3           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 22     | 1        | 81              | 102       | .253     | .67            | .51         | 52.5         | 195.0         | .62           | 27            | 98                    | 41                    | 18          | 7           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 23     | 1        | 81              | 113       | .220     | .63            | .66         | 37.8         | 160.0         | .59           | 25            | 106                   | 39                    | 16          | 7           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 30     | 1        | 80              | 115       | .129     | .63            | .39         | 67.2         | 296.7         | .61           | 26            | 115                   | 40                    | 17          | 8           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 37     | 1        | 80              | 130       | .085     | .63            | .26         | 115.0        | 520.0         | .69           | 29            | 133                   | 45                    | 19          | 9           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | 38     | 1        | 81              | 136       | .081     | .63            | .24         | 126.5        | 570.0         | .72           | 31            | 138                   | 47                    | 20          | 9           |     |  |  |  |           |  |       |  |           |  |
| RC L                                         | Totals | 9        | 81              | 70        | 3.339    | 5.75           | 6.23        | 30.8         | 125.9         | 4.52          | 192           | 784                   | 298                   | 127         | 52          |     |  |  |  |           |  |       |  |           |  |
| Totals                                       |        | 429      | 88              | 121       | 154.521  | 276.92         | 400.75      | 31.8         | 155.6         | 362.41        | 12,744        | 62,356                | 23,919                | 8,411       | 4,116       |     |  |  |  |           |  |       |  |           |  |

| TC                                                                        |        | PLOGSTVB       |            |                                                  |          |            |          |                                          |     |     |     |       |       |                                                                    |       |       |       |       |     | Log Stock Table - MBF |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------|--------|----------------|------------|--------------------------------------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|--------------------------------------------------------------------|-------|-------|-------|-------|-----|-----------------------|--|--|--|--|--|--|--|--|--|
| <div>T03N R06W S03 Ty00PC22.00</div> <div>T03N R06W S03 Ty00PC44.00</div> |        |                |            | <div>Project:WLFESAM</div> <div>Acres66.00</div> |          |            |          |                                          |     |     |     |       |       | <div>Page1</div> <div>Date4/21/2020</div> <div>Time3:44:51PM</div> |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                                           |        |                |            |                                                  |          |            |          |                                          |     |     |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                                           |        |                |            |                                                  |          |            |          |                                          |     |     |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| Spp                                                                       | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF                                     | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                                           |        |                |            |                                                  |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15                                                              | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 20         | 2                                                |          | 2          | .1       |                                          |     |     | 2   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 22         | 1                                                |          | 1          | .1       |                                          |     | 1   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 26         | 18                                               |          | 18         | .8       |                                          |     | 1   | 5   | 7     |       | 4                                                                  |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 27         | 6                                                |          | 6          | .3       |                                          |     |     | 2   |       | 4     |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 28         | 92                                               |          | 92         | 3.9      |                                          |     | 13  | 28  | 34    | 12    | 4                                                                  |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 29         | 26                                               |          | 26         | 1.1      |                                          |     |     | 8   | 3     | 14    |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 30         | 294                                              |          | 294        | 12.6     |                                          |     | 28  | 29  | 61    | 36    | 63                                                                 | 54    | 24    |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 31         | 75                                               |          | 75         | 3.2      |                                          |     | 9   | 11  | 10    |       | 5                                                                  | 16    | 24    |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 32         | 428                                              |          | 428        | 18.2     |                                          |     | 32  | 36  | 43    | 75    | 48                                                                 | 138   | 43    | 4     | 7     |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 33         | 52                                               |          | 52         | 2.2      |                                          |     | 18  | 8   |       | 12    | 9                                                                  | 4     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 34         | 350                                              |          | 350        | 14.9     |                                          |     | 49  | 3   | 51    | 77    | 47                                                                 | 41    | 42    | 26    | 14    |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 35         | 98                                               |          | 98         | 4.2      |                                          |     | 6   | 14  | 19    | 6     | 11                                                                 | 4     | 24    | 15    |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 36         | 322                                              |          | 322        | 13.8     |                                          |     | 43  | 22  | 62    | 45    | 59                                                                 | 39    | 25    | 27    |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 37         | 45                                               |          | 45         | 1.9      |                                          |     | 17  |     | 10    | 10    | 2                                                                  | 6     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 38         | 284                                              |          | 284        | 12.1     |                                          |     | 42  | 14  | 44    | 26    | 45                                                                 | 61    | 29    | 12    | 10    |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 39         | 72                                               |          | 72         | 3.1      |                                          |     | 17  |     | 17    | 8     | 13                                                                 | 11    | 7     |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 40         | 110                                              |          | 110        | 4.7      |                                          |     | 29  |     | 29    | 11    | 28                                                                 | 7     | 8     |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 3M             | 41         | 23                                               |          | 23         | 1.0      |                                          |     | 23  |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 20         | 5                                                |          | 5          | .2       |                                          |     | 2   | 3   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 21         | 5                                                |          | 5          | .2       |                                          |     | 5   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 22         | 12                                               |          | 12         | .5       |                                          |     | 10  | 3   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 23         | 9                                                |          | 9          | .4       |                                          |     | 9   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 24         | 10                                               |          | 10         | .4       |                                          |     | 2   | 7   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 25         | 2                                                |          | 2          | .1       |                                          |     | 2   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | L      | 4M             | 26         | 4                                                |          | 4          | .2       |                                          |     | 4   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        |        | Totals         |            | 2,343                                            |          | 2,343      | 56.9     |                                          |     | 362 | 196 | 389   | 336   | 337                                                                | 381   | 227   | 84    | 31    |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 2M             | 40         | 1,157                                            |          | 1,155      | 74.9     |                                          |     |     |     | 233   |       | 222                                                                | 499   | 171   | 29    |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 26         | 0                                                |          | 0          | .0       |                                          |     |     | 0   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 28         | 1                                                |          | 1          | .1       |                                          |     | 0   | 0   |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 30         | 20                                               |          | 20         | 1.3      |                                          |     | 1   | 0   | 5     | 5     | 3                                                                  | 6     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 31         | 1                                                |          | 1          | .0       |                                          |     | 1   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 32         | 11                                               |          | 11         | .7       |                                          |     | 3   |     | 3     |       | 5                                                                  |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 34         | 15                                               |          | 15         | 1.0      |                                          |     | 3   |     |       | 2     |                                                                    | 10    |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 35         | 1                                                |          | 1          | .0       |                                          |     | 1   |     |       |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 36         | 10                                               |          | 10         | .6       |                                          |     | 6   | 2   | 1     |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 38         | 36                                               |          | 36         | 2.4      |                                          |     | 18  | 4   | 3     |       | 11                                                                 |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                                        | T      | 3M             | 40         | 268                                              |          | 267        | 17.3     |                                          |     | 41  | 75  | 151   |       |                                                                    |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |

| TC                                                     |        | PLOGSTVB       |            |                               |          |            |          |                                          |     |     |     |       |       |                                         |       |       |       |       |     | Log Stock Table - MBF |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------|--------|----------------|------------|-------------------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|-----------------------------------------|-------|-------|-------|-------|-----|-----------------------|--|--|--|--|--|--|--|--|--|
| T03N R06W S03 Ty00PC22.00<br>T03N R06W S03 Ty00PC44.00 |        |                |            | Project: WLFSAM<br>Acres66.00 |          |            |          |                                          |     |     |     |       |       | Page2<br>Date4/21/2020<br>Time3:44:51PM |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                        |        |                |            |                               |          |            |          |                                          |     |     |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                        |        |                |            |                               |          |            |          |                                          |     |     |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| Spp                                                    | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF                  | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
|                                                        |        |                |            |                               |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15                                   | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 12         | 4                             |          | 4          | .2       |                                          |     | 4   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 14         | 3                             |          | 3          | .2       |                                          |     | 3   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 16         | 3                             |          | 3          | .2       |                                          |     | 3   | 0   |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 18         | 2                             |          | 2          | .1       |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 20         | 2                             |          | 2          | .1       |                                          |     | 2   | 0   |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 22         | 5                             |          | 5          | .3       |                                          |     | 5   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 24         | 2                             |          | 2          | .1       |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 26         | 2                             |          | 2          | .1       |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 28         | 1                             |          | 1          | .1       |                                          |     | 1   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     | T      | 4M             | 30         | 2                             |          | 2          | .1       |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| DF                                                     |        | Totals         |            | 1,545                         |          | 1,541      | 37.4     |                                          |     | 98  | 83  | 163   | 240   | 241                                     | 515   | 171   | 29    |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 21         | 2                             |          | 2          | 4.4      |                                          |     |     | 2   |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 22         | 5                             |          | 5          | 8.8      |                                          |     | 2   |     | 2     |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 24         | 3                             |          | 3          | 5.9      |                                          |     |     |     | 3     |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 26         | 1                             |          | 1          | 2.0      |                                          |     | 1   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 29         | 4                             |          | 4          | 8.1      |                                          |     |     |     |       |       |                                         | 4     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 30         | 3                             |          | 3          | 5.3      |                                          |     | 1   |     | 2     |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 32         | 8                             |          | 8          | 14.7     |                                          |     | 0   |     |       |       | 2                                       |       | 5     |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 37         | 6                             |          | 6          | 11.5     |                                          |     |     |     |       |       |                                         |       |       | 6     |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 38         | 3                             |          | 3          | 5.4      |                                          |     | 0   |     |       |       |                                         | 2     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 39         | 6                             |          | 6          | 11.5     |                                          |     |     |     |       |       |                                         |       |       | 6     |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 40         | 8                             |          | 8          | 15.4     |                                          |     | 0   |     |       |       | 5                                       | 3     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 3M             | 41         | 2                             |          | 2          | 3.2      |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     | L      | 4M             | 25         | 2                             |          | 2          | 3.7      |                                          |     | 2   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| RC                                                     |        | Totals         |            | 52                            |          | 52         | 1.3      |                                          |     | 8   | 2   | 5     | 2     | 7                                       | 10    | 5     | 12    |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 28         | 5                             |          | 5          | 5.2      |                                          |     | 2   | 4   |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 30         | 14                            |          | 14         | 13.8     |                                          |     |     |     |       | 3     |                                         | 12    |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 31         | 3                             |          | 3          | 3.2      |                                          |     | 1   |     |       | 3     |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 32         | 15                            |          | 15         | 14.2     |                                          |     | 1   |     |       | 2     |                                         | 12    |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 33         | 6                             |          | 6          | 6.3      |                                          |     | 1   |     |       |       |                                         | 6     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 34         | 13                            |          | 13         | 13.0     |                                          |     | 1   |     |       | 6     |                                         | 6     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 35         | 4                             |          | 4          | 3.9      |                                          |     | 4   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 36         | 10                            |          | 10         | 10.1     |                                          |     |     |     |       | 3     |                                         | 7     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 37         | 1                             |          | 1          | 1.1      |                                          |     | 1   |     |       |       |                                         |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 39         | 7                             |          | 7          | 6.6      |                                          |     |     |     |       |       |                                         | 7     |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |
| WH                                                     | L      | 3M             | 40         | 10                            |          | 10         | 9.8      |                                          |     | 1   |     |       | 3     | 6                                       |       |       |       |       |     |                       |  |  |  |  |  |  |  |  |  |

| TC                                                                        |        | PLOGSTVB       |            | Log Stock Table - MBF |          |            |          |                                          |     |     |     |       |       |                |       |       |       |       |     |  |
|---------------------------------------------------------------------------|--------|----------------|------------|-----------------------|----------|------------|----------|------------------------------------------|-----|-----|-----|-------|-------|----------------|-------|-------|-------|-------|-----|--|
| <div>T03N R06W S03 Ty00PC22.00</div> <div>T03N R06W S03 Ty00PC44.00</div> |        |                |            | Project: WLFESAM      |          |            |          |                                          |     |     |     |       |       | Page 3         |       |       |       |       |     |  |
|                                                                           |        |                |            | Acres 66.00           |          |            |          |                                          |     |     |     |       |       | Date 4/21/2020 |       |       |       |       |     |  |
|                                                                           |        |                |            | Time 3:44:51PM        |          |            |          |                                          |     |     |     |       |       |                |       |       |       |       |     |  |
| Spp                                                                       | S<br>T | So Gr<br>rt de | Log<br>Len | Gross<br>MBF          | Def<br>% | Net<br>MBF | %<br>Spc | Net Volume by Scaling Diameter in Inches |     |     |     |       |       |                |       |       |       |       |     |  |
|                                                                           |        |                |            |                       |          |            |          | 2-3                                      | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15          | 16-19 | 20-23 | 24-29 | 30-39 | 40+ |  |
| WH                                                                        | L      | 3M             | 41         | 6                     |          | 6          | 6.0      |                                          |     | 6   |     |       |       |                |       |       |       |       |     |  |
| WH                                                                        | L      | 4M             | 21         | 3                     |          | 3          | 2.5      |                                          |     | 3   |     |       |       |                |       |       |       |       |     |  |
| WH                                                                        | L      | 4M             | 22         | 2                     |          | 2          | 1.8      |                                          |     | 2   |     |       |       |                |       |       |       |       |     |  |
| WH                                                                        | L      | 4M             | 29         | 3                     |          | 3          | 2.5      |                                          |     | 3   |     |       |       |                |       |       |       |       |     |  |
| WH                                                                        |        | Totals         |            | 103                   |          | 103        | 2.5      |                                          |     | 21  | 6   |       | 21    | 6              | 49    |       |       |       |     |  |
| NF                                                                        | L      | 3M             | 30         | 6                     |          | 6          | 7.9      |                                          |     |     |     |       |       |                |       | 6     |       |       |     |  |
| NF                                                                        | L      | 3M             | 31         | 4                     |          | 4          | 5.0      |                                          |     |     |     |       |       |                | 4     |       |       |       |     |  |
| NF                                                                        | L      | 3M             | 32         | 20                    |          | 20         | 26.2     |                                          |     | 1   |     |       | 4     |                | 10    | 6     |       |       |     |  |
| NF                                                                        | L      | 3M             | 33         | 10                    |          | 10         | 13.0     |                                          |     |     |     |       |       | 4              | 6     |       |       |       |     |  |
| NF                                                                        | L      | 3M             | 34         | 10                    |          | 10         | 13.2     |                                          |     | 2   |     | 2     | 2     |                | 4     |       |       |       |     |  |
| NF                                                                        | L      | 3M             | 37         | 6                     |          | 6          | 8.3      |                                          |     |     |     |       |       | 6              |       |       |       |       |     |  |
| NF                                                                        | L      | 3M             | 38         | 20                    |          | 20         | 26.1     |                                          |     | 1   |     | 3     |       |                | 2     | 5     | 8     |       |     |  |
| NF                                                                        | L      | 3M             | 40         | 0                     |          | 0          | .5       |                                          |     | 0   |     |       |       |                |       |       |       |       |     |  |
| NF                                                                        |        | Totals         |            | 76                    |          | 76         | 1.9      |                                          |     | 4   |     | 5     | 6     | 10             | 26    | 17    | 8     |       |     |  |
| Total                                                                     |        | All Species    |            | 4,120                 |          | 4,116      | 100.0    |                                          |     | 494 | 287 | 563   | 605   | 602            | 981   | 420   | 133   | 31    |     |  |

**VOLUME SUMMARY**  
(Shown in MBF)  
**Wolfsam**  
**#FG-341-2021-W00242-01**  
**April 2020**

**UNIT 1: PC-L (22 ACRES)**

| <b>SPECIES</b> |                  | <b>2 SAW</b> | <b>3 SAW</b> | <b>4 SAW</b> | <b>TOTAL</b> |
|----------------|------------------|--------------|--------------|--------------|--------------|
| Douglas-fir    | Cruise Volume    | 387          | 149          | 8            | 544          |
|                | Hidden D&B (2%)  | (8)          | (3)          | (0)          | (11)         |
|                | <b>NET TOTAL</b> | 379          | 146          | 8            | 533          |
|                | % of Total       | 71           | 27           | 2            |              |

**UNIT 2: PC-L (44 ACRES)**

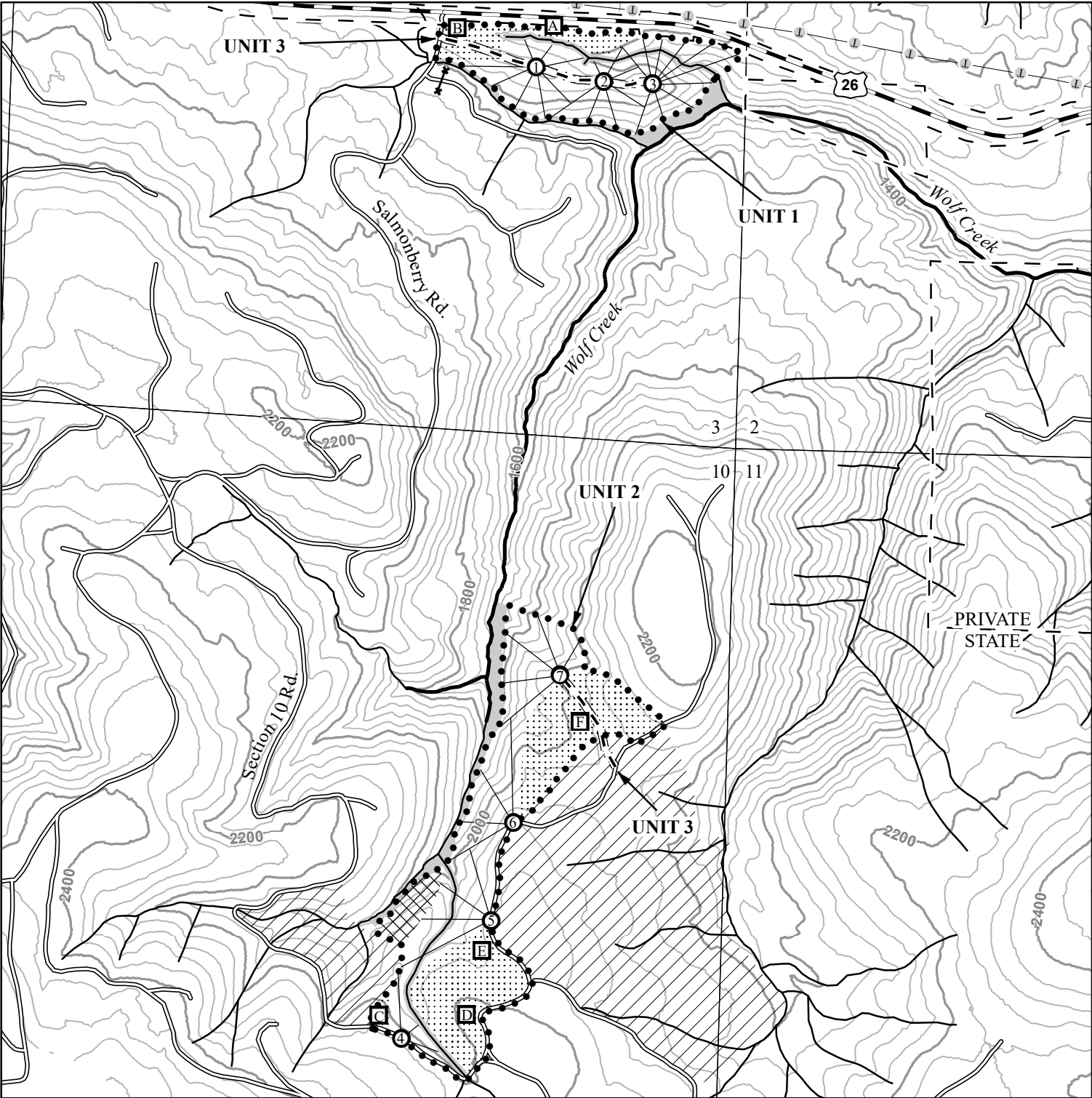
| <b>SPECIES</b> |                  | <b>2 SAW</b> | <b>3 SAW</b> | <b>4 SAW</b> | <b>TOTAL</b> |
|----------------|------------------|--------------|--------------|--------------|--------------|
| Douglas-fir    | Cruise Volume    | 767          | 212          | 17           | 996          |
|                | Hidden D&B (2%)  | (15)         | (4)          | (0)          | (19)         |
|                | <b>NET TOTAL</b> | 752          | 208          | 17           | 977          |
|                | % of Total       | 77           | 21           | 2            |              |

**UNIT 3: R/W (3 ACRES)**

| <b>SPECIES</b> |                  | <b>2 SAW</b> | <b>3 SAW</b> | <b>4 SAW</b> | <b>TOTAL</b> |
|----------------|------------------|--------------|--------------|--------------|--------------|
| Douglas-fir    | Cruise Volume    | 115          | 34           | 7            | 156          |
|                | Hidden D&B (2%)  | (2)          | (1)          | (0)          | (3)          |
|                | <b>NET TOTAL</b> | 113          | 33           | 7            | 153          |
|                | % of Total       | 74           | 22           | 3            |              |

**SALE TOTAL**

| <b>SPECIES</b> | <b>2 SAW</b> | <b>3 SAW</b> | <b>4 SAW</b> | <b>TOTAL</b> |
|----------------|--------------|--------------|--------------|--------------|
| Douglas-fir    | 1,244        | 387          | 32           | 1,663        |



- Legend**
- Timber Sale Boundary
  - Right of Way Boundary
  - Surfaced Road
  - Highway
  - Electric Transmission Lines
  - New Construction
  - Fish Stream
  - Non-Fish Stream
  - Stream Buffer
  - ×× Thinning Optional
  - Reforested Area
  - Cable Landing
  - Tractor Landing
  - △ Cable Yarding Area
  - ⋯ Tractor Yarding Area
  - Reforested Area
  - ODF Ownership Boundary
  - Section Lines
  - 40 Foot Contour Band
  - 200 Foot Contour Band
  - Road Blockage

## LOGGING PLAN

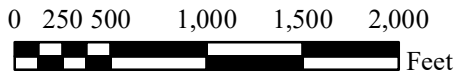
FOR TIMBER SALE CONTRACT #FG-341-2021-W00242-01  
WOLFSAM  
PORTIONS OF SECTIONS 3 & 10, T3N, R6W, W.M.,  
TILLAMOOK COUNTY, OREGON  
Forest Grove District GIS

April, 2020

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



APPROXIMATE NET ACRES  
TRACTOR CABLE

|        | TRACTOR | CABLE |
|--------|---------|-------|
| UNIT 1 | 4       | 18    |
| UNIT 2 | 22      | 22    |
| UNIT 3 | 3       | 0     |
| TOTAL  | 29      | 40    |