



Timber Sale Appraisal  
Edward's BSM  
Sale TL-341-2025-W01149-01

District: Tillamook

Date: February 10, 2025

Cost Summary

|                         | Conifer        | Hardwood          | Total          |
|-------------------------|----------------|-------------------|----------------|
| Gross Timber Sale Value | \$1,943,840.40 | \$177,014.06      | \$2,120,854.46 |
|                         |                | Project Work:     | (\$204,890.00) |
|                         |                | Advertised Value: | \$1,915,964.46 |



"STEWARDSHIP IN FORESTRY"

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**Timber Description**

**Location:** Section(s) 10, 11, 14, 15, 16, 21, 22 of T2S R8W W.M.Tillamook County, W.M.

**Stand Stocking:** 60%

| Specie Name           | AvgDBH | Amortization (%) | Recovery (%) |
|-----------------------|--------|------------------|--------------|
| Douglas - Fir         | 16     | 0                | 100          |
| Western Hemlock / Fir | 11     | 0                | 100          |
| Alder (Red)           | 15     | 0                | 100          |

| Volume by Grade       | 2S    | 3S & 4S 6"-11" | Camprun | Total |
|-----------------------|-------|----------------|---------|-------|
| Douglas - Fir         | 1,815 | 3,226          | 0       | 5,041 |
| Western Hemlock / Fir | 16    | 5              | 0       | 21    |
| Alder (Red)           | 0     | 0              | 2,602   | 2,602 |
| <b>Total</b>          | 1,831 | 3,231          | 2,602   | 7,664 |

**Comments:** Additional Costs – Edward's BSM  
Pond Values Used: February 2025  
Region: Astoria, Forest Grove, and Tillamook  
Western red cedar and other cedars stumpage price = \$1,278/MBF - \$333.46/MBF = \$944.54/MBF  
Spruce and other conifer stumpage price = \$528/MBF - \$333.46/MBF = \$194.54/MBF

Pulp (Conifer and Hardwood) Price = \$2.50/Ton  
FUEL COST ALLOWANCE = \$5.00/Gallon  
HAULING COST ALLOWANCE (\$120.00/hr x 10 hr. = \$ 1,200.00) = \$1,200/DAY  
BRAND AND PAINT ALLOWANCE = \$2.00/ MBF

Other costs with profit and risk added:

Non-Project Landing – Unit 3: = \$600  
Non-Project and Unsurfaced Road Blocking: 2 Closures @ \$50/Closure = \$100  
K to L (Reconstruct) Vacate: = \$600  
Truck Assist (Area 2 landing #5): 504 MBF x \$20/MBF = \$10,080  
TOTAL Other Costs with profit and risk to be added = \$11,380

Other Costs without Profit and Risk Added:

Slash piling and sorting (Cable Settings): \$10/ac x 310 ac. = \$3,100  
Heliport Construction: \$200/unit x 4 unit = \$800  
Move-in Machine Cleaning: \$1,000/machine x 1 machines x 1 season = \$1,000  
Tailhold OR guybacks dozer move-in: \$1,000/machine x 3 machines = \$3,000  
TOTAL Other Costs without Profit and Risk added = \$7,900

ODF Road Maintenance

Spot Rocking: 20cy/MMBF/mile x 7.664MMBF x \$11/cy x 5.5 miles /7,664 MBF = \$1.21/MBF  
Interim Grading: \$1,150/mile x 5.5 miles x 2 times/ 7,664 MBF = \$1.65/MBF  
Final Maintenance Grading: \$1,500/mile x 5.5 miles/ 7,664 MBF = \$1.08/MBF  
Final Maintenance Compaction: \$900/mile x 1.5 miles/7,664 MBF = \$0.18/MBF  
Total Road Maintenance: = \$4.12/MBF



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**Logging Conditions**

**Combination#: 1**                      Douglas - Fir                      58.84%  
                                         Western Hemlock / Fir                      85.38%  
                                         Alder (Red)                      66.92%

**Logging System:** Cable: Large Tower >=70                      **Process:** Harvester Head Delimbing  
**yarding distance:** Long (1,500 ft)                      **downhill yarding:** No  
**tree size:** Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF  
**loads / day:** 9                      **bd. ft / load:** 3800  
**cost / mbf:** \$250.85  
**machines:** Log Loader (A)  
Forwarder  
Harvester  
Tower Yarder (Large)

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**Combination#: 2**                      Douglas - Fir                      38.14%  
                                         Western Hemlock / Fir                      11.43%  
                                         Alder (Red)                      30.27%

**Logging System:** Cable: Large Tower >=70                      **Process:** Harvester Head Delimbing  
**yarding distance:** Medium (800 ft)                      **downhill yarding:** No  
**tree size:** Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF  
**loads / day:** 11                      **bd. ft / load:** 3800  
**cost / mbf:** \$205.24  
**machines:** Log Loader (A)  
Forwarder  
Harvester  
Tower Yarder (Large)

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**Combination#: 3**                      Douglas - Fir                      3.01%  
                                         Western Hemlock / Fir                      3.19%  
                                         Alder (Red)                      2.81%

**Logging System:** Shovel                      **Process:** Harvester Head Delimbing  
**yarding distance:** Short (400 ft)                      **downhill yarding:** No  
**tree size:** Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF  
**loads / day:** 20                      **bd. ft / load:** 3800  
**cost / mbf:** \$131.58  
**machines:** Forwarder  
Harvester

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### Logging Costs

|                             |                                |
|-----------------------------|--------------------------------|
| Operating Seasons: 2.00     | Profit Risk: 10%               |
| Project Costs: \$204,890.00 | Other Costs (P/R): \$11,380.00 |
| Slash Disposal: \$0.00      | Other Costs: \$7,900.00        |

Miles of Road

Road Maintenance: \$4.12

| 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   | 4.0       | 4.9        |
| Western Hemlock / Fir | \$0.00   | 4.0       | 4.3        |
| Alder (Red)           | \$0.00   | 2.0       | 4.6        |



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### Logging Costs Breakdown

| Logging                      | Road Maint | Fire Protect | Hauling  | Other P/R appl | Profit & Risk | Slash Disposal | Brand & Paint | Other  | Total    |
|------------------------------|------------|--------------|----------|----------------|---------------|----------------|---------------|--------|----------|
| <b>Douglas - Fir</b>         |            |              |          |                |               |                |               |        |          |
| \$229.86                     | \$4.12     | \$1.15       | \$63.78  | \$1.48         | \$30.04       | \$0.00         | \$2.00        | \$1.03 | \$333.46 |
| <b>Western Hemlock / Fir</b> |            |              |          |                |               |                |               |        |          |
| \$241.83                     | \$4.12     | \$1.15       | \$72.67  | \$1.48         | \$32.12       | \$0.00         | \$2.00        | \$1.03 | \$356.40 |
| <b>Alder (Red)</b>           |            |              |          |                |               |                |               |        |          |
| \$233.69                     | \$4.12     | \$1.15       | \$135.87 | \$1.48         | \$37.63       | \$0.00         | \$2.00        | \$1.03 | \$416.97 |

| Specie                | Amortization | Pond Value | Stumpage | Amortized |
|-----------------------|--------------|------------|----------|-----------|
| Douglas - Fir         | \$0.00       | \$718.36   | \$384.90 | \$0.00    |
| Western Hemlock / Fir | \$0.00       | \$525.90   | \$169.50 | \$0.00    |
| Alder (Red)           | \$0.00       | \$485.00   | \$68.03  | \$0.00    |



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### Summary

#### Amortized

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

#### Unamortized

| Specie                | MBF   | Value    | Total          |
|-----------------------|-------|----------|----------------|
| Douglas - Fir         | 5,041 | \$384.90 | \$1,940,280.90 |
| Western Hemlock / Fir | 21    | \$169.50 | \$3,559.50     |
| Alder (Red)           | 2,602 | \$68.03  | \$177,014.06   |

#### Gross Timber Sale Value

Recovery: \$2,120,854.46

Prepared By: Haakon Smith

Phone: 503-815-7045



## PROJECT SUMMARY SHEET

Sale: EDWARD'S BSM

### CONSTRUCTION

|                              |        |      |            |                    |
|------------------------------|--------|------|------------|--------------------|
| Point                        | G to H | 4+85 | stations = | \$12,707.27        |
| Point                        | M to N | 8+80 | stations = | \$37,848.46        |
| Point                        | S to T | 1+60 | stations = | \$6,184.28         |
| <b>SUBTOTAL CONSTRUCTION</b> |        |      |            | <b>\$56,740.01</b> |

### IMPROVEMENT

|                             |        |        |            |                     |
|-----------------------------|--------|--------|------------|---------------------|
| Point                       | A to B | 267+00 | stations = | \$42,122.70         |
| Point                       | C to D | 14+00  | stations = | \$11,477.30         |
| Point                       | E to F | 6+40   | stations = | \$6,708.02          |
| Point                       | G to H | 11+00  | stations = | \$7,461.30          |
| Point                       | I to J | 27+20  | stations = | \$11,017.11         |
| Point                       | M to N | 4+50   | stations = | \$7,902.48          |
| Point                       | O to P | 18+80  | stations = | \$22,866.96         |
| Point                       | Q to R | 9+00   | stations = | \$11,092.96         |
| <b>SUBTOTAL IMPROVEMENT</b> |        |        |            | <b>\$120,648.83</b> |

### RECONSTRUCTION

|                                |        |       |            |                    |
|--------------------------------|--------|-------|------------|--------------------|
| Point                          | I to J | 22+50 | stations = | \$8,653.50         |
| Point                          | K to L | 4+30  | stations = | \$1,842.09         |
| <b>SUBTOTAL RECONSTRUCTION</b> |        |       |            | <b>\$10,495.59</b> |

### SPECIAL PROJECTS

|                                  |                         |                    |
|----------------------------------|-------------------------|--------------------|
| Project No. 4                    | Incidental storm repair | \$5,700.00         |
| Stockpile 500CY Jaw-run          |                         | \$7,635.00         |
| <b>SUBTOTAL SPECIAL PROJECTS</b> |                         | <b>\$13,335.00</b> |

**MOVE IN** **\$3,670.57**

**GRAND TOTAL** **\$204,890.00**

# SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**A to B**

|                |      |          |               |        |          |                  |      |          |
|----------------|------|----------|---------------|--------|----------|------------------|------|----------|
| Construction - | 0+00 | stations | Improvement - | 267+00 | stations | Reconstruction - | 0+00 | stations |
|                | 0.00 | miles    |               | 5.06   | miles    |                  | 0.00 | miles    |

## **IMPROVEMENT: EXCAVATION -**

Clean Ditches, Ditchouts, Catch Basins  
Ditch slough removal/end haul

|        |            |          |           |                         |                   |
|--------|------------|----------|-----------|-------------------------|-------------------|
| 8      | hours @    | \$185.00 | per c.y.= | \$1,480.00              |                   |
| 133.00 | stations @ | \$60.00  | per hour  | \$7,980.00              |                   |
|        |            |          |           | <b>TOTAL EXCAVATION</b> | <b>\$9,460.00</b> |

## **IMPROVEMENT: ENDHAUL -**

Clean Ditches, Ditchouts, Catch Basins  
Spread & compact

|    |       |        |           |                      |                 |
|----|-------|--------|-----------|----------------------|-----------------|
| 40 | cy. @ | \$3.17 | per c.y.= | \$126.80             |                 |
| 40 | cy. @ | \$0.55 | per c.y.= | \$22.00              |                 |
|    |       |        |           | <b>TOTAL ENDHAUL</b> | <b>\$148.80</b> |

## **ROCK**

|                   |             |       |        |         |   |         |           |                    |
|-------------------|-------------|-------|--------|---------|---|---------|-----------|--------------------|
| 0+00 to           | 63+20       | 1,420 | cy. of | Crushed | @ | \$10.60 | per c.y.= | \$15,052.00        |
| Landing Rock      | 85+80       | 40    | cy. of | Jaw-Run | @ | \$16.97 | per c.y.= | \$678.80           |
| Spot Rock         | As Directed | 350   | cy. of | Crushed | @ | \$13.44 | per c.y.= | \$4,704.00         |
| Energy Dissipator | 20+00       | 5     | cy. of | Riprap  | @ | \$20.34 | per c.y.= | \$101.70           |
| Energy Dissipator | 170+30      | 5     | cy. of | Riprap  | @ | \$16.79 | per c.y.= | \$83.95            |
| Energy Dissipator | 188+00      | 5     | cy. of | Riprap  | @ | \$16.07 | per c.y.= | \$80.35            |
|                   |             |       |        |         |   |         |           | <b>TOTAL ROCK</b>  |
|                   |             |       |        |         |   |         |           | <b>\$20,700.80</b> |

## **SPECIAL PROJECTS**

|                                                      |        |            |          |                               |                    |
|------------------------------------------------------|--------|------------|----------|-------------------------------|--------------------|
| Flume Removal                                        | 2.00   | each       | \$25.00  |                               | \$50.00            |
| Culvert Markers                                      | 3.00   | each       | \$15.00  |                               | \$45.00            |
| Grade and shape road -                               | 267.00 | stations @ | \$24.40  | per station                   | \$6,514.80         |
| Roll subgrade w/ vibratory roller prior to rocking - | 267.00 | stations @ | \$19.40  | per station                   | \$5,179.80         |
| Grass seed and fertilize -                           | 0.02   | acres @    | \$310.00 | per acre                      | \$6.20             |
| Mulching -                                           | 0.020  | acres @    | \$865.00 | per acre                      | \$17.30            |
|                                                      |        |            |          | <b>TOTAL SPECIAL PROJECTS</b> | <b>\$11,813.10</b> |

**GRAND TOTAL**

**\$42,122.70**

SUMMARY OF CONSTRUCTION COST

|                                                      |       |                     |          |                      |            |              |             |                         |  |                    |          |
|------------------------------------------------------|-------|---------------------|----------|----------------------|------------|--------------|-------------|-------------------------|--|--------------------|----------|
| Sale:                                                |       | <b>EDWARD'S BSM</b> |          |                      |            | Road:        |             | <b>C to D</b>           |  |                    |          |
| <u>Construction -</u>                                |       | <u>0+00</u>         | stations | <u>Improvement -</u> |            | <u>14+00</u> | stations    | <u>Reconstruction -</u> |  | <u>0+00</u>        | stations |
|                                                      |       | 0.00                | miles    |                      |            | 0.27         | miles       |                         |  | 0.00               | miles    |
| <b>IMPROVEMENT:</b> EXCAVATION -                     |       |                     |          |                      |            |              |             |                         |  |                    |          |
| Road Earthwork/Alder removal                         |       |                     |          | 14.00                | sta. @     | \$40.00      | per sta. =  | <u>\$560.00</u>         |  |                    |          |
| <b>TOTAL EXCAVATION</b>                              |       |                     |          |                      |            |              |             |                         |  | <b>\$560.00</b>    |          |
| <b>ROCK</b>                                          |       |                     |          |                      |            |              |             |                         |  |                    |          |
| 0+00 to                                              | 13+25 | 490                 | cy. of   | Jaw run              | @          | \$16.62      | per c.y.=   | \$8,143.80              |  |                    |          |
| Landing Rock                                         | 13+25 | 80                  | cy. of   | Jaw-Run              | @          | \$17.66      | per c.y.=   | \$1,412.80              |  |                    |          |
| Junction Rock                                        | 0+00  | 30                  | cy. of   | Crushed              | @          | \$11.25      | per c.y.=   | <u>\$337.50</u>         |  |                    |          |
| <b>TOTAL ROCK</b>                                    |       |                     |          |                      |            |              |             |                         |  | <b>\$9,894.10</b>  |          |
| <b>SPECIAL PROJECTS</b>                              |       |                     |          |                      |            |              |             |                         |  |                    |          |
| Construct landing at Point D                         |       |                     |          | 1.00                 | @          | \$410.00     | each        | \$410.00                |  |                    |          |
| Grade and shape road -                               |       |                     |          | 14.00                | stations @ | \$24.40      | per station | \$341.60                |  |                    |          |
| Roll subgrade w/ vibratory roller prior to rocking - |       |                     |          | 14.00                | stations @ | \$19.40      | per station | <u>\$271.60</u>         |  |                    |          |
| <b>TOTAL SPECIAL PROJECTS</b>                        |       |                     |          |                      |            |              |             |                         |  | <b>\$1,023.20</b>  |          |
| <b>GRAND TOTAL</b>                                   |       |                     |          |                      |            |              |             |                         |  | <b>\$11,477.30</b> |          |

SUMMARY OF CONSTRUCTION COST

|                                                      |  |             |  |                     |  |                      |  |             |  |             |  |                               |  |                   |  |          |  |
|------------------------------------------------------|--|-------------|--|---------------------|--|----------------------|--|-------------|--|-------------|--|-------------------------------|--|-------------------|--|----------|--|
| Sale:                                                |  |             |  | <b>EDWARD'S BSM</b> |  |                      |  | Road:       |  |             |  | <b>E to F</b>                 |  |                   |  |          |  |
| <u>Construction -</u>                                |  | <u>0+00</u> |  | stations            |  | <u>Improvement -</u> |  | <u>6+40</u> |  | stations    |  | <u>Reconstruction -</u>       |  | <u>0+00</u>       |  | stations |  |
|                                                      |  | 0.00        |  | miles               |  |                      |  | 0.12        |  | miles       |  |                               |  | 0.00              |  | miles    |  |
| <b>IMPROVEMENT:</b> EXCAVATION -                     |  |             |  |                     |  |                      |  |             |  |             |  |                               |  |                   |  |          |  |
| Road Earthwork/ Alder Removal                        |  |             |  | 6.40                |  | sta. @               |  | \$100.00    |  | per sta. =  |  | <u>\$640.00</u>               |  |                   |  |          |  |
|                                                      |  |             |  |                     |  |                      |  |             |  |             |  | <b>TOTAL EXCAVATION</b>       |  | <b>\$640.00</b>   |  |          |  |
| <b>ROCK</b>                                          |  |             |  |                     |  |                      |  |             |  |             |  |                               |  |                   |  |          |  |
| 0+00 to                                              |  | 6+30        |  | 230                 |  | cy. of               |  | Jaw run     |  | @           |  | \$16.62 per c.y.=             |  | \$3,822.60        |  |          |  |
| Landing Rock                                         |  | 1+20        |  | 40                  |  | cy. of               |  | Jaw-Run     |  | @           |  | \$17.61 per c.y.=             |  | \$704.40          |  |          |  |
| Landing Rock                                         |  | 6+30        |  | 70                  |  | cy. of               |  | Jaw-Run     |  | @           |  | \$18.01 per c.y.=             |  | <u>\$1,260.70</u> |  |          |  |
|                                                      |  |             |  |                     |  |                      |  |             |  |             |  | <b>TOTAL ROCK</b>             |  | <b>\$5,787.70</b> |  |          |  |
| <b>SPECIAL PROJECTS</b>                              |  |             |  |                     |  |                      |  |             |  |             |  |                               |  |                   |  |          |  |
| Grade and shape road -                               |  |             |  | 6.40                |  | stations @           |  | \$24.40     |  | per station |  | \$156.16                      |  |                   |  |          |  |
| Roll subgrade w/ vibratory roller prior to rocking - |  |             |  | 6.40                |  | stations @           |  | \$19.40     |  | per station |  | <u>\$124.16</u>               |  |                   |  |          |  |
|                                                      |  |             |  |                     |  |                      |  |             |  |             |  | <b>TOTAL SPECIAL PROJECTS</b> |  | <b>\$280.32</b>   |  |          |  |
| <b>GRAND TOTAL</b>                                   |  |             |  |                     |  |                      |  |             |  |             |  | <b>\$6,708.02</b>             |  |                   |  |          |  |

## SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**G to H**

|                       |             |                 |                      |              |                 |                         |             |                 |
|-----------------------|-------------|-----------------|----------------------|--------------|-----------------|-------------------------|-------------|-----------------|
| <u>Construction -</u> | <u>4+85</u> | <u>stations</u> | <u>Improvement -</u> | <u>11+00</u> | <u>stations</u> | <u>Reconstruction -</u> | <u>0+00</u> | <u>stations</u> |
|                       | <u>0.09</u> | <u>miles</u>    |                      | <u>0.21</u>  | <u>miles</u>    |                         | <u>0.00</u> | <u>miles</u>    |

**CONSTRUCTION:** CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

| <u>Station</u> | <u>to</u> | <u>Station</u> | <u>Avg. Sideslope</u> | <u>Avg. Dist.</u><br><u>To W.A. (mi.)</u> | <u>Outslope/Ditch</u> | <u>Cost per Station</u> |   |            |                   |
|----------------|-----------|----------------|-----------------------|-------------------------------------------|-----------------------|-------------------------|---|------------|-------------------|
| 11+00          |           | 13+55          | 60%                   | 1.0                                       | Outslope              | \$3,089                 | = | \$7,876.95 |                   |
| 13+55          |           | 15+85          | 50%                   | 1                                         | Outslope              | \$706                   | = | \$1,623.80 |                   |
| <b>TOTAL</b>   |           |                |                       |                                           |                       |                         |   |            | <b>\$9,500.75</b> |

**IMPROVEMENT:** CLEARING AND GRUBBING -

|                                    |       |       |   |          |            |         |                |
|------------------------------------|-------|-------|---|----------|------------|---------|----------------|
| Widening                           | 0.017 | acres | @ | \$955.00 | per acre = | \$16.24 |                |
| <b>TOTAL CLEARING AND GRUBBING</b> |       |       |   |          |            |         | <b>\$16.24</b> |

**IMPROVEMENT:** EXCAVATION -

|                         |    |     |   |        |            |         |                |
|-------------------------|----|-----|---|--------|------------|---------|----------------|
| Widening                | 35 | cy. | @ | \$2.20 | per c.y. = | \$77.00 |                |
| <b>TOTAL EXCAVATION</b> |    |     |   |        |            |         | <b>\$77.00</b> |

**IMPROVEMENT:** ENDHAUL -

|                      |      |    |      |    |     |   |        |            |                |
|----------------------|------|----|------|----|-----|---|--------|------------|----------------|
| Widening             | 0+50 | to | 1+70 | 35 | cy. | @ | \$2.18 | per c.y. = | \$76.30        |
| Spread & compact     |      |    |      | 35 | cy. | @ | \$0.55 | per c.y. = | \$19.25        |
| <b>TOTAL ENDHAUL</b> |      |    |      |    |     |   |        |            | <b>\$95.55</b> |

**ROCK**

|                   |       |     |        |         |   |         |            |            |                   |
|-------------------|-------|-----|--------|---------|---|---------|------------|------------|-------------------|
| 0+00 to           | 11+00 | 420 | cy. of | Jaw run | @ | \$16.62 | per c.y. = | \$6,980.40 |                   |
| Landing Rock      | 10+40 | 100 | cy. of | Jaw-Run | @ | \$17.32 | per c.y. = | \$1,732.00 |                   |
| Junction Rock     | 0+00  | 30  | cy. of | Crushed | @ | \$11.54 | per c.y. = | \$346.20   |                   |
| <b>TOTAL ROCK</b> |       |     |        |         |   |         |            |            | <b>\$9,058.60</b> |

**SPECIAL PROJECTS**

|                                     |       |            |          |             |          |                   |
|-------------------------------------|-------|------------|----------|-------------|----------|-------------------|
| Construct landings at Point H -     | 1.00  | @          | \$410.00 | each        | \$410.00 |                   |
| Construct Turnout at 9+20           | 1.00  | each       | \$90.00  | per hour    | \$90.00  |                   |
| Grade and shape road -              | 15.85 | stations @ | \$24.40  | per station | \$386.74 |                   |
| Roll subgrade w/ vibratory roller - | 15.85 | stations @ | \$19.40  | per station | \$307.49 |                   |
| Remove large stumps -               | 1.00  | lump sum @ | \$220.00 | each        | \$220.00 |                   |
| Grass seed -                        | 0.02  | acres @    | \$310.00 | per acre    | \$6.20   |                   |
| <b>TOTAL SPECIAL PROJECTS</b>       |       |            |          |             |          | <b>\$1,420.43</b> |

**GRAND TOTAL**

**\$20,168.57**

## SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**I to J**

|                |      |          |               |       |          |                  |       |          |
|----------------|------|----------|---------------|-------|----------|------------------|-------|----------|
| Construction - | 0+00 | stations | Improvement - | 27+20 | stations | Reconstruction - | 22+50 | stations |
|                | 0.00 | miles    |               | 0.52  | miles    |                  | 0.43  | miles    |

**IMPROVEMENT:** CLEARING AND GRUBBING -

|                                    |       |       |   |          |            |        |               |
|------------------------------------|-------|-------|---|----------|------------|--------|---------------|
| Widening                           | 0.010 | acres | @ | \$955.00 | per acre = | \$9.55 |               |
| <b>TOTAL CLEARING AND GRUBBING</b> |       |       |   |          |            |        | <b>\$9.55</b> |

**IMPROVEMENT:** EXCAVATION -

|                               |       |          |   |          |               |            |                   |
|-------------------------------|-------|----------|---|----------|---------------|------------|-------------------|
| Road Earthwork                | 27.20 | sta.     | @ | \$10.00  | per sta. =    | \$272.00   |                   |
| Widening                      | 163   | cy.      | @ | \$2.20   | per c.y. =    | \$358.60   |                   |
| Ditch slough removal/end haul | 27.00 | stations | @ | \$120.00 | per station = | \$3,240.00 |                   |
| <b>TOTAL EXCAVATION</b>       |       |          |   |          |               |            | <b>\$3,870.60</b> |

**IMPROVEMENT:** ENDHAUL -

|                      |      |    |      |     |     |   |        |            |          |                 |
|----------------------|------|----|------|-----|-----|---|--------|------------|----------|-----------------|
| Widening             | 0+00 | to | 0+45 | 163 | cy. | @ | \$2.25 | per c.y. = | \$366.75 |                 |
| Spread & compact     |      |    |      | 163 | cy. | @ | \$0.55 | per c.y. = | \$89.65  |                 |
| <b>TOTAL ENDHAUL</b> |      |    |      |     |     |   |        |            |          | <b>\$456.40</b> |

**RECONSTRUCTION:** CLEARING AND GRUBBING -

|                                    |       |       |   |            |            |          |                 |
|------------------------------------|-------|-------|---|------------|------------|----------|-----------------|
| Scattering                         | 0.620 | acres | @ | \$1,415.00 | per acre = | \$877.30 |                 |
| <b>TOTAL CLEARING AND GRUBBING</b> |       |       |   |            |            |          | <b>\$877.30</b> |

**RECONSTRUCTION:** EXCAVATION -

|                         |       |      |   |          |            |            |                   |
|-------------------------|-------|------|---|----------|------------|------------|-------------------|
| Road Earthwork          | 22.50 | sta. | @ | \$100.00 | per sta. = | \$2,250.00 |                   |
| <b>TOTAL EXCAVATION</b> |       |      |   |          |            |            | <b>\$2,250.00</b> |

**ROCK**

|                   |       |     |        |         |   |         |            |            |                   |
|-------------------|-------|-----|--------|---------|---|---------|------------|------------|-------------------|
| 0+00 to           | 27+20 | 620 | cy. of | Crushed | @ | \$13.18 | per c.y. = | \$8,171.60 |                   |
| Landing Rock      | 18+40 | 40  | cy. of | Jaw-Run | @ | \$16.43 | per c.y. = | \$657.20   |                   |
| Junction Rock     | 0+00  | 30  | cy. of | Crushed | @ | \$12.60 | per c.y. = | \$378.00   |                   |
| <b>TOTAL ROCK</b> |       |     |        |         |   |         |            |            | <b>\$9,206.80</b> |

**SPECIAL PROJECTS**

|                                                      |       |            |          |             |            |                   |
|------------------------------------------------------|-------|------------|----------|-------------|------------|-------------------|
| Construct landings at 18+40 and Point J -            | 2.00  | @          | \$410.00 | each        | \$820.00   |                   |
| Grade and shape road -                               | 49.70 | stations @ | \$24.40  | per station | \$1,212.68 |                   |
| Roll subgrade w/ vibratory roller prior to rocking - | 49.70 | stations @ | \$19.40  | per station | \$964.18   |                   |
| Grass seed and fertilize -                           | 0.01  | acres @    | \$310.00 | per acre    | \$3.10     |                   |
| <b>TOTAL SPECIAL PROJECTS</b>                        |       |            |          |             |            | <b>\$2,999.96</b> |

**GRAND TOTAL**

**\$19,670.61**

## SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**K to L**

|                       |             |          |                      |             |          |                         |             |          |
|-----------------------|-------------|----------|----------------------|-------------|----------|-------------------------|-------------|----------|
| <u>Construction -</u> | <u>0+00</u> | stations | <u>Improvement -</u> | <u>0+00</u> | stations | <u>Reconstruction -</u> | <u>4+30</u> | stations |
|                       | <u>0.00</u> | miles    |                      | <u>0.00</u> | miles    |                         | <u>0.08</u> | miles    |

**RECONSTRUCTION:** CLEARING AND GRUBBING -

|            |       |       |   |            |                                    |                 |                 |
|------------|-------|-------|---|------------|------------------------------------|-----------------|-----------------|
| Scattering | 0.120 | acres | @ | \$1,415.00 | per acre =                         | <u>\$169.80</u> |                 |
|            |       |       |   |            | <b>TOTAL CLEARING AND GRUBBING</b> |                 | <b>\$169.80</b> |

**RECONSTRUCTION:** EXCAVATION -

|                |      |      |   |          |                         |                 |                 |
|----------------|------|------|---|----------|-------------------------|-----------------|-----------------|
| Road Earthwork | 4.30 | sta. | @ | \$150.00 | per sta. =              | <u>\$645.00</u> |                 |
|                |      |      |   |          | <b>TOTAL EXCAVATION</b> |                 | <b>\$645.00</b> |

**CULVERTS - MATERIALS & INSTALLATION**

|                                     |   |           |         |  |                       |  |                |
|-------------------------------------|---|-----------|---------|--|-----------------------|--|----------------|
| <u>Culverts</u>                     | 1 | LF of 18" | \$25.25 |  |                       |  |                |
| <u>Culvert Stakes &amp; Markers</u> | 1 | markers   | \$9.00  |  |                       |  |                |
|                                     |   |           |         |  | <b>TOTAL CULVERTS</b> |  | <b>\$34.25</b> |

**ROCK**

|                  |      |    |        |         |   |                   |                 |
|------------------|------|----|--------|---------|---|-------------------|-----------------|
| Culvert Backfill | 1+00 | 30 | cy. of | Crushed | @ | \$11.28 per c.y.= | \$338.40        |
| Junction Rock    | 0+00 | 30 | cy. of | Crushed | @ | \$6.21 per c.y.=  | <u>\$186.30</u> |
|                  |      |    |        |         |   | <b>TOTAL ROCK</b> | <b>\$524.70</b> |

**SPECIAL PROJECTS**

|                                                      |      |            |          |             |                               |  |                 |
|------------------------------------------------------|------|------------|----------|-------------|-------------------------------|--|-----------------|
| Grade and shape road -                               | 4.30 | stations @ | \$24.40  | per station | \$104.92                      |  |                 |
| Punchion removal                                     | 1.00 | Each       | \$280.00 | each        | \$280.00                      |  |                 |
| Roll subgrade w/ vibratory roller prior to rocking - | 4.30 | stations @ | \$19.40  | per station | <u>\$83.42</u>                |  |                 |
|                                                      |      |            |          |             | <b>TOTAL SPECIAL PROJECTS</b> |  | <b>\$468.34</b> |

|                    |                   |
|--------------------|-------------------|
| <b>GRAND TOTAL</b> | <b>\$1,842.09</b> |
|--------------------|-------------------|

## SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**M to N**

|                       |             |                 |                      |             |                 |                         |             |                 |
|-----------------------|-------------|-----------------|----------------------|-------------|-----------------|-------------------------|-------------|-----------------|
| <u>Construction -</u> | <u>8+80</u> | <u>stations</u> | <u>Improvement -</u> | <u>4+50</u> | <u>stations</u> | <u>Reconstruction -</u> | <u>0+00</u> | <u>stations</u> |
|                       | <u>0.17</u> | <u>miles</u>    |                      | <u>0.09</u> | <u>miles</u>    |                         | <u>0.00</u> | <u>miles</u>    |

**CONSTRUCTION:** CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

| <u>Station</u> | <u>to</u> | <u>Station</u> | <u>Avg. Sideslope</u> | <u>Avg. Dist.</u><br><u>To W.A. (mi.)</u> | <u>Outslope/Ditch</u> | <u>Cost per Station</u> |   |              |                    |
|----------------|-----------|----------------|-----------------------|-------------------------------------------|-----------------------|-------------------------|---|--------------|--------------------|
| 4+50           |           | 13+30          | 60%                   | 1.0                                       |                       | \$3,089                 | = | \$27,183.20  |                    |
|                |           |                |                       |                                           |                       |                         |   | <b>TOTAL</b> | <b>\$27,183.20</b> |

**IMPROVEMENT:** CLEARING AND GRUBBING -

|          |  |  |  |       |         |                     |         |                                    |                |
|----------|--|--|--|-------|---------|---------------------|---------|------------------------------------|----------------|
| Widening |  |  |  | 0.051 | acres @ | \$955.00 per acre = | \$48.71 |                                    |                |
|          |  |  |  |       |         |                     |         | <b>TOTAL CLEARING AND GRUBBING</b> | <b>\$48.71</b> |

**IMPROVEMENT:** EXCAVATION -

|          |  |  |  |     |       |                   |            |                         |                   |
|----------|--|--|--|-----|-------|-------------------|------------|-------------------------|-------------------|
| Widening |  |  |  | 597 | cy. @ | \$2.20 per c.y. = | \$1,313.40 |                         |                   |
|          |  |  |  |     |       |                   |            | <b>TOTAL EXCAVATION</b> | <b>\$1,313.40</b> |

**IMPROVEMENT:** ENDHAUL -

|                  |      |    |      |     |       |                   |          |                      |                   |
|------------------|------|----|------|-----|-------|-------------------|----------|----------------------|-------------------|
| Widening         | 4+00 | to | 550* | 434 | cy. @ | \$1.27 per c.y. = | \$551.18 |                      |                   |
| Widening         | 0+00 | to | 0+90 | 163 | cy. @ | \$1.27 per c.y. = | \$207.01 |                      |                   |
| Spread & compact |      |    |      | 597 | cy. @ | \$0.55 per c.y. = | \$328.35 |                      |                   |
|                  |      |    |      |     |       |                   |          | <b>TOTAL ENDHAUL</b> | <b>\$1,086.54</b> |

\*= **Widen Road 150ft past 4+00 to restore exsisting road to establish landing**

### ROCK

|               |       |     |        |         |   |                    |            |                   |                    |
|---------------|-------|-----|--------|---------|---|--------------------|------------|-------------------|--------------------|
| 0+00 to       | 4+50  | 170 | cy. of | Jaw run | @ | \$16.31 per c.y. = | \$2,772.70 |                   |                    |
| 0+00 to       | 13+80 | 520 | cy. of | Jaw run | @ | \$14.97 per c.y. = | \$7,784.40 |                   |                    |
| Landing Rock  | 4+50  | 80  | cy. of | Jaw run | @ | \$15.44 per c.y. = | \$1,235.20 |                   |                    |
| Landing Rock  | 10+90 | 60  | cy. of | Jaw run | @ | \$15.81 per c.y. = | \$948.60   |                   |                    |
| Landing Rock  | 13+30 | 80  | cy. of | Jaw run | @ | \$16.16 per c.y. = | \$1,292.80 |                   |                    |
| Junction Rock | 4+50  | 30  | cy. of | Jaw run | @ | \$12.67 per c.y. = | \$380.10   |                   |                    |
|               |       |     |        |         |   |                    |            | <b>TOTAL ROCK</b> | <b>\$14,413.80</b> |

Construct landings at Point 10+90 and point N-

|                                                      |       |            |                     |          |  |  |  |                               |                   |
|------------------------------------------------------|-------|------------|---------------------|----------|--|--|--|-------------------------------|-------------------|
| Grade and shape road -                               | 2.00  | @          | \$410.00 per hour   | \$820.00 |  |  |  |                               |                   |
| Roll subgrade w/ vibratory roller prior to rocking - | 13.30 | stations @ | \$24.40 per station | \$324.52 |  |  |  |                               |                   |
| Grass seed -                                         | 13.30 | stations @ | \$19.40 per station | \$258.02 |  |  |  |                               |                   |
|                                                      | 0.350 | acres @    | \$865.00 per acre   | \$302.75 |  |  |  |                               |                   |
|                                                      |       |            |                     |          |  |  |  | <b>TOTAL SPECIAL PROJECTS</b> | <b>\$1,705.29</b> |

**GRAND TOTAL** **\$45,750.94**

| Sale:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | EDWARD'S BSM      |               | Road:         |                   | O to P           |              |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|---------------|---------------|-------------------|------------------|--------------|-------------------|
| Construction -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0+00<br>0.00 | stations<br>miles | Improvement - | 18+80<br>0.36 | stations<br>miles | Reconstruction - | 0+00<br>0.00 | stations<br>miles |
| <p><b>IMPROVEMENT:</b> CLEARING AND GRUBBING -</p> <p>Widening 0.052 acres @ \$955.00 per acre = \$49.66</p> <p><b>TOTAL CLEARING AND GRUBBING \$49.66</b></p> <p><b>IMPROVEMENT:</b> EXCAVATION -</p> <p>Road Earthwork 3.00 sta. @ \$10.00 per sta. = \$30.00</p> <p>Pullback 194 cy. @ \$2.20 per c.y. = \$426.80</p> <p>Widening 169 cy. @ \$2.20 per c.y. = \$371.80</p> <p>Bank slough 50 cy. @ \$2.80 per c.y. = \$140.00</p> <p><b>TOTAL EXCAVATION \$968.60</b></p> <p><b>IMPROVEMENT:</b> ENDHAUL -</p> <p>Pullback 5+10 to 7+10 194 cy. @ \$1.77 per c.y. = \$343.38</p> <p>Widening 1+60 to 5+10 51 cy. @ \$1.27 per c.y. = \$64.77</p> <p>Widening 13+10 to 16+15 118 cy. @ \$1.27 per c.y. = \$149.86</p> <p>Bank Slough 50 cy. @ \$1.87 per c.y. = \$93.50</p> <p>Spread &amp; compact 413 cy. @ \$0.55 per c.y. = \$227.15</p> <p><b>TOTAL ENDHAUL \$878.66</b></p> <p><b>ROCK</b></p> <p>0+00 to 18+80 1,040 cy. of Jaw run @ \$17.77 per c.y. = \$18,480.80</p> <p>Landing Rock Point P 70 cy. of Jaw-Run @ \$16.32 per c.y. = \$1,142.40</p> <p>Junction Rock 0+00 30 cy. of Jaw-Run @ \$16.62 per c.y. = \$498.60</p> <p><b>TOTAL ROCK \$20,121.80</b></p> <p>Grade and shape road - 18.80 stations @ \$24.40 per station = \$458.72</p> <p>Roll subgrade w/ vibratory roller prior to rocking - 18.80 stations @ \$19.40 per station = \$364.72</p> <p>Grass seed and fertilize - 0.08 acres @ \$310.00 per acre = \$24.80</p> <p><b>TOTAL SPECIAL PROJECTS \$848.24</b></p> <p><b>GRAND TOTAL \$22,866.96</b></p> |              |                   |               |               |                   |                  |              |                   |

## SUMMARY OF CONSTRUCTION COST

Sale:

**EDWARD'S BSM**

Road:

**Q to R**

|                |      |          |               |      |          |                  |      |          |
|----------------|------|----------|---------------|------|----------|------------------|------|----------|
| Construction - | 0+00 | stations | Improvement - | 9+00 | stations | Reconstruction - | 0+00 | stations |
|                | 0.00 | miles    |               | 0.17 | miles    |                  | 0.00 | miles    |

**IMPROVEMENT:** CLEARING AND GRUBBING -

|          |       |       |   |                                    |            |         |                |
|----------|-------|-------|---|------------------------------------|------------|---------|----------------|
| Widening | 0.058 | acres | @ | \$955.00                           | per acre = | \$55.39 |                |
|          |       |       |   | <b>TOTAL CLEARING AND GRUBBING</b> |            |         | <b>\$55.39</b> |

**IMPROVEMENT:** EXCAVATION -

|          |     |     |   |                         |           |          |                 |
|----------|-----|-----|---|-------------------------|-----------|----------|-----------------|
| Widening | 243 | cy. | @ | \$2.20                  | per c.y.= | \$534.60 |                 |
|          |     |     |   | <b>TOTAL EXCAVATION</b> |           |          | <b>\$534.60</b> |

**IMPROVEMENT:** ENDHAUL -

|                  |      |    |      |     |     |   |                      |           |          |                 |
|------------------|------|----|------|-----|-----|---|----------------------|-----------|----------|-----------------|
| Widening         | 1+10 | to | 5+30 | 243 | cy. | @ | \$2.04               | per c.y.= | \$495.72 |                 |
| Spread & compact |      |    |      | 243 | cy. | @ | \$0.55               | per c.y.= | \$133.65 |                 |
|                  |      |    |      |     |     |   | <b>TOTAL ENDHAUL</b> |           |          | <b>\$629.37</b> |

**ROCK**

|              |      |     |        |         |   |         |                   |            |                   |
|--------------|------|-----|--------|---------|---|---------|-------------------|------------|-------------------|
| 0+00 to      | 9+00 | 470 | cy. of | Jaw run | @ | \$16.62 | per c.y.=         | \$7,811.40 |                   |
| Landing Rock | 9+00 | 100 | cy. of | Jaw-Run | @ | \$16.37 | per c.y.=         | \$1,637.00 |                   |
|              |      |     |        |         |   |         | <b>TOTAL ROCK</b> |            | <b>\$9,448.40</b> |

**SPECIAL PROJECTS**

|                                                      |      |          |   |                               |             |          |                 |
|------------------------------------------------------|------|----------|---|-------------------------------|-------------|----------|-----------------|
| Grade and shape road -                               | 9.00 | stations | @ | \$24.40                       | per station | \$219.60 |                 |
| Roll subgrade w/ vibratory roller prior to rocking - | 9.00 | stations | @ | \$19.40                       | per station | \$174.60 |                 |
| Grass seed -                                         | 0.10 | acres    | @ | \$310.00                      | per acre    | \$31.00  |                 |
|                                                      |      |          |   | <b>TOTAL SPECIAL PROJECTS</b> |             |          | <b>\$425.20</b> |

|                    |                    |
|--------------------|--------------------|
| <b>GRAND TOTAL</b> | <b>\$11,092.96</b> |
|--------------------|--------------------|

SUMMARY OF CONSTRUCTION COST

|                                                                                                                                            |           |                |                       |                      |                      |                       |                         |                         |            |                               |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|-----------------------|----------------------|----------------------|-----------------------|-------------------------|-------------------------|------------|-------------------------------|-------------------|
| Sale:                                                                                                                                      |           |                | EDWARD'S BSM          |                      |                      | Road:                 |                         |                         | S to T     |                               |                   |
| <u>Construction -</u>                                                                                                                      |           | <u>1+60</u>    | stations              | <u>Improvement -</u> |                      | <u>0+00</u>           | stations                | <u>Reconstruction -</u> |            | <u>0+00</u>                   | stations          |
|                                                                                                                                            |           | 0.03           | miles                 |                      |                      | 0.00                  | miles                   |                         |            | 0.00                          | miles             |
| <b>CONSTRUCTION:</b> CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA - |           |                |                       |                      |                      |                       |                         |                         |            |                               |                   |
| <u>Station</u>                                                                                                                             | <u>to</u> | <u>Station</u> | <u>Avg. Sideslope</u> | <u>Avg. Dist.</u>    | <u>To W.A. (mi.)</u> | <u>Outslope/Ditch</u> | <u>Cost per Station</u> |                         |            |                               |                   |
| 0+00                                                                                                                                       |           | 1+60           | 50%                   |                      |                      | Outslope              | \$706                   | =                       |            | \$1,129.60                    |                   |
|                                                                                                                                            |           |                |                       |                      |                      |                       |                         |                         |            | <b>TOTAL</b>                  | <b>\$1,129.60</b> |
| <b>ROCK</b>                                                                                                                                |           |                |                       |                      |                      |                       |                         |                         |            |                               |                   |
| 0+00                                                                                                                                       | to        | 1+80           | 100                   | cy. of               | Jaw run              | @                     | \$17.98                 | per c.y.=               |            | \$1,798.00                    |                   |
| Landing Rock                                                                                                                               |           | Point T        | 60                    | cy. of               | Jaw-Run              | @                     | \$16.34                 | per c.y.=               |            | \$980.40                      |                   |
|                                                                                                                                            |           |                |                       |                      |                      |                       |                         |                         |            | <b>TOTAL ROCK</b>             | <b>\$2,778.40</b> |
| <b>SPECIAL PROJECTS</b>                                                                                                                    |           |                |                       |                      |                      |                       |                         |                         |            |                               |                   |
| Construct landings at Point T -                                                                                                            |           |                |                       | 1.00                 | lump sum@            | \$2,200.00            | per hour                |                         | \$2,200.00 |                               |                   |
| Grade and shape road -                                                                                                                     |           |                |                       | 1.60                 | stations @           | \$24.40               | per station             |                         | \$39.04    |                               |                   |
| Roll subgrade w/ vibratory roller prior to rocking -                                                                                       |           |                |                       | 1.60                 | stations @           | \$19.40               | per station             |                         | \$31.04    |                               |                   |
| Grass seed and fertilize -                                                                                                                 |           |                |                       | 0.02                 | acres @              | \$310.00              | per acre                |                         | \$6.20     |                               |                   |
|                                                                                                                                            |           |                |                       |                      |                      |                       |                         |                         |            | <b>TOTAL SPECIAL PROJECTS</b> | <b>\$2,276.28</b> |
|                                                                                                                                            |           |                |                       |                      |                      |                       |                         |                         |            | <b>GRAND TOTAL</b>            | <b>\$6,184.28</b> |

|             |                     |                    |                          |
|-------------|---------------------|--------------------|--------------------------|
| Pit:        | Crushed             | Location:          | Sec. 12 , T2S, R8W, W.M. |
| Sale:       | <b>EDWARD'S BSM</b> | Road:              | 2570 c.y.                |
| Swell:      | 1.40                | Stockpile:         | c.y.                     |
| Shrinkage   | 1.16                | Total Truck Loads: | 2570 c.y.                |
| Drill Pct.: | 0%                  | In Place Total:    | 1836 c.y.                |

|          |                   |
|----------|-------------------|
| Subtotal | <u>\$3,084.00</u> |
|----------|-------------------|

Base Cost= \$1.39 Per Cu.Yd.

|                     |             |
|---------------------|-------------|
| TOTAL ROCKING COSTS | \$29,894.10 |
|---------------------|-------------|

## ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

|             |                     |                     |                         |
|-------------|---------------------|---------------------|-------------------------|
| Pit:        | Jaw_run             | Location:           | Sec. 22, T2S, R8W, W.M. |
| Sale:       | <b>EDWARD'S BSM</b> | Road and Stockpile: | 4805 c.y.               |
| Swell:      | 1.40                |                     |                         |
| Shrinkage   | 1.16                | Total Truck Loads:  | 4805 c.y.               |
| Drill Pct.: | 50%                 | In Place Total:     | 3432 c.y.               |

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread \$5,042.02

|                  |                |   |              |   |             |
|------------------|----------------|---|--------------|---|-------------|
| Drill & Shoot:   | \$3.60 /cu.yd. | x | 1716 cu.yds. | = | \$6,177.60  |
| Rip Rock:        | \$3.35 /cu.yd. | x | 1716 cu.yds. | = | \$5,748.60  |
| Load Crusher:    | \$1.20 /cu.yd. | x | 4805 cu.yds. | = | \$5,766.00  |
| Crush Rock:      | \$4.30 /cu.yd. | x | 4805 cu.yds. | = | \$20,661.50 |
| Load Dump Truck: | \$1.20 /cu.yd. | x | 4805 cu.yds. | = | \$5,766.00  |

Subtotal \$49,161.72

|                                         |   |   |            |          |                                                                 |
|-----------------------------------------|---|---|------------|----------|-----------------------------------------------------------------|
| Move In/Set-up Jaw                      | 1 | @ | \$2,121.00 | =        | \$2,121.00                                                      |
| Move In and set up Drill and Compressor | 1 | @ | \$973.29   | =        | \$973.29                                                        |
| Move in Roller and Compactor            | 1 | @ | \$593.04   | =        | \$593.04                                                        |
| Move in Grader                          | 1 | @ | \$909.00   | =        | \$909.00                                                        |
| Move in Loader                          | 1 | @ | \$967.17   | =        | \$967.17                                                        |
| Move in Excavator                       | 1 | @ | \$1,094.67 | =        | \$1,094.67                                                      |
| Move in Trucks                          | 3 | @ | \$218.05   | =        | \$654.15                                                        |
| Move in Water Truck                     | 1 | @ | \$218.05   | =        | \$218.05                                                        |
|                                         |   |   |            | Subtotal | <span style="border-bottom: 1px solid black;">\$7,530.37</span> |

TOTAL PRODUCTION COSTS \$56,692.09

Base Cost= \$11.80 Per Cu.Yd.

| Road Segment                      | Haul Cost<br>\$/cu.yd. | Proc Cost<br>\$/cu.yd. | Base Cost.<br>\$/cu.yd. | Cost<br>\$/cu.yd. | Number<br>Cu. Yds | ROCK<br>COST                                             |
|-----------------------------------|------------------------|------------------------|-------------------------|-------------------|-------------------|----------------------------------------------------------|
| A to B Landing Rock (Jaw-Run)     | 3.27                   | 1.90                   | 11.80                   | 16.97             | 40                | \$678.80                                                 |
| A to B Energy Dissipator (Riprap) | 5.54                   | 3.00                   | 11.80                   | 20.34             | 5                 | \$101.70                                                 |
| A to B Energy Dissipator (Riprap) | 1.99                   | 3.00                   | 11.80                   | 16.79             | 5                 | \$83.95                                                  |
| A to B Energy Dissipator (Riprap) | 1.27                   | 3.00                   | 11.80                   | 16.07             | 5                 | \$80.35                                                  |
| C to D 0 1325 (Jaw run)           | 1.27                   | 3.55                   | 11.80                   | 16.62             | 490               | \$8,143.80                                               |
| C to D Landing Rock (Jaw-Run)     | 3.96                   | 1.90                   | 11.80                   | 17.66             | 80                | \$1,412.80                                               |
| E to F 0 630 (Jaw run)            | 1.27                   | 3.55                   | 11.80                   | 16.62             | 230               | \$3,822.60                                               |
| E to F Landing Rock (Jaw-Run)     | 3.91                   | 1.90                   | 11.80                   | 17.61             | 40                | \$704.40                                                 |
| E to F Landing Rock (Jaw-Run)     | 4.01                   | 2.20                   | 11.80                   | 18.01             | 70                | \$1,260.70                                               |
| G to H 0 1100 (Jaw run)           | 1.27                   | 3.55                   | 11.80                   | 16.62             | 420               | \$6,980.40                                               |
| G to H Landing Rock (Jaw-Run)     | 3.62                   | 1.90                   | 11.80                   | 17.32             | 100               | \$1,732.00                                               |
| I to J Landing Rock (Jaw-Run)     | 2.73                   | 1.90                   | 11.80                   | 16.43             | 40                | \$657.20                                                 |
| M to N 0 450 (Jaw run)            | 1.27                   | 3.55                   | 11.80                   | 16.62             | 170               | \$2,825.40                                               |
| M to N 450 1380 (Jaw run)         | 1.27                   | 1.90                   | 11.80                   | 14.97             | 520               | \$7,784.40                                               |
| M to N Landing Rock (Jaw run)     | 1.99                   | 1.65                   | 11.80                   | 15.44             | 80                | \$1,235.20                                               |
| M to N Landing Rock (Jaw run)     | 2.11                   | 1.90                   | 11.80                   | 15.81             | 60                | \$948.60                                                 |
| M to N Junction Rock (Jaw run)    | 2.16                   | 2.20                   | 11.80                   | 16.16             | 80                | \$1,292.80                                               |
| O to P 0 1880 (Jaw run)           | 2.42                   | 3.55                   | 11.80                   | 17.77             | 1040              | \$18,480.80                                              |
| O to P Landing Rock (Jaw-Run)     | 2.62                   | 1.90                   | 11.80                   | 16.32             | 70                | \$1,142.40                                               |
| O to P Junction Rock (Jaw-Run)    | 1.27                   | 3.55                   | 11.80                   | 16.62             | 30                | \$498.60                                                 |
| Q to R 0 900 (Jaw run)            | 1.27                   | 3.55                   | 11.80                   | 16.62             | 470               | \$7,811.40                                               |
| Q to R Landing Rock (Jaw-Run)     | 2.67                   | 1.90                   | 11.80                   | 16.37             | 100               | \$1,637.00                                               |
| S to T 0 180 (Jaw run)            | 2.63                   | 3.55                   | 11.80                   | 17.98             | 100               | \$1,798.00                                               |
| S to T Landing Rock (Jaw-Run)     | 2.64                   | 1.90                   | 11.80                   | 16.34             | 60                | \$980.40                                                 |
| Stockpile                         | 1.27                   | 2.20                   | 11.80                   | 15.27             | 500               | \$7,635.00                                               |
|                                   |                        |                        |                         | Total C.Y.        | 4805              | Sub Total <span style="float: right;">\$79,728.70</span> |
|                                   |                        |                        |                         |                   | 4805              |                                                          |

TOTAL ROCKING COSTS \$79,728.70

## Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **EDWARD'S BSM**

| LOWBOY HAUL (Round Trip) |              |                 |
|--------------------------|--------------|-----------------|
| DIST. (mi)               | ROADWAY      | AVE SPEED (mph) |
| 26.0                     | Pavement     | 30              |
| 4.0                      | Main Lines   | 7               |
| 6.0                      | Steep Grades | 2               |

| No. | EQUIPMENT DESCRIPTION  | Move in Cost | Pilot Cars | Within Area Move (\$/mile) | Begin Mileage | End Mileage | Total Miles | Within Area Cost | Total Cost |
|-----|------------------------|--------------|------------|----------------------------|---------------|-------------|-------------|------------------|------------|
| 1   | Excavators (Large)     | \$1,094.67   | 1          | \$50.00                    | 0.00          | 2.00        | 2           | \$100.00         | \$1,194.67 |
| 1   | Tractor (D8)           | \$1,152.30   | 2          | \$16.75                    | 0.00          | 2.00        | 2           | \$33.50          | \$1,185.80 |
| 1   | Dump Truck (10 cy +)   | \$227.30     |            | \$3.25                     | 0.00          | 0.00        | 0           | \$0.00           | \$227.30   |
| 1   | Dump Truck (Off Hiway) | \$1,062.80   | 1          | \$5.25                     | 0.00          | 0.00        | 0           | \$0.00           | \$1,062.80 |
|     |                        |              |            | TOTAL MOVE-IN COSTS:       |               |             |             |                  | \$3,670.57 |



## OREGON DEPARTMENT OF FORESTRY CRUISE REPORT EDWARD'S BSM

### Type of Sale

Regeneration harvest, Recovery

### Legal Description

Section(s) 10, 11, 14, 15, 16, 21, 22 of T2S R8W W.M. Tillamook County, OR

### Sale Acreage

Sale acreage was determined by GPS and orthophotographs along with GIS.

|                          | <u>ACRES</u> |            |
|--------------------------|--------------|------------|
|                          | <u>Gross</u> | <u>Net</u> |
| <b>Unit 1 (Clearcut)</b> | 134          | 105        |
| <b>Unit 2 (Clearcut)</b> | 36           | 28         |
| <b>Unit 3 (Clearcut)</b> | 147          | 106        |
| <b>Unit 4 (Clearcut)</b> | 91           | 71         |
| <b>Total</b>             | 408          | 310        |

#### Gross Acres

Area within the Timber Sale Boundary signs

#### Net acres

*Used for calculating the advertised volume.*

Gross acres, less green tree retention, roads, Non-required thinning areas, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

### Cruising Procedures

#### A. Cruise Method

The timber sale was cruised using variable plot sampling. All conifers 8" DBH and greater containing 20 board feet and all hardwoods 10" DBH and greater containing 30 board feet were recorded on all plots. Species, DBH (to nearest inch), merchantable bole length (to nearest foot), form factor, and defect were recorded for all measure trees. Merchantable heights were recorded to 6" and 7" outside bark for conifers and hardwoods, respectively.

#### B. Plot size

| Unit | BAF                               | Spacing     |
|------|-----------------------------------|-------------|
| 1    | 33.61                             | 350' x 350' |
| 2    | 40.00                             | 350' x 350' |
| 3    | 33.61                             | 350' x 350' |
| 4    | Conifer - 40.00, Hardwood - 27.78 | 396' x 198' |

### **C. Grading System**

All trees were graded according to Columbia River Log Scaling and Grading Rules. Log lengths favored 40' lengths.

### **Computation Procedure**

Plot data was entered into SuperAce for computation of basal area, advertised volume, volume summary, log stock table, and stand table for each species and type.

Net sale acreage was used for volume calculation.

| Unit          | Cruise Statistics (Board Foot Volumes) |                 |        |        |
|---------------|----------------------------------------|-----------------|--------|--------|
|               | Acres                                  | Number of Plots | SE (%) | CV (%) |
| 1             | 105                                    | 32              | 8.8    | 49.8   |
| 2             | 28                                     | 11              | 10.8   | 34.1   |
| 3             | 106                                    | 39              | 7.0    | 43.4   |
| 4             | 71                                     | 40              | 5.4    | 34.1   |
| Project Total | 310                                    | 122             | 8      | 40.25  |

### **Hidden Defect and Breakage**

A 1% reduction for conifers and a 2% reduction for hardwood volumes were applied for hidden defect and breakage.

### **Timber Description**

All units were within the footprint of the 1951 North Fork Fire and were planted between 1966 and 1970.

Unit 1 is a clearcut. The unit is Douglas-fir and red alder dominated stand. Minor species include western hemlock, western redcedar, Sitka spruce, and bigleaf maple. The upper portion of the stand was a retention cut in 2006, the remainder of the stand has no past management.

Unit 2 is a clearcut. The unit is a Douglas-fir dominated stand with a smaller red alder component. The stand has no past management, although two areas within the sale area were a modified clearcut in 2006.

Unit 3 is a clearcut. The unit is a Douglas-fir dominated stand with a smaller red alder component. Minor species include Sitka spruce, western hemlock, and noble fir. The stand has no past management.

Unit 4 is a clearcut. The Unit is a Douglas-fir dominated stand with a smaller red alder component. Minor species include noble fir. The stand has no past management.

| Sale Unit | Age | Species         | DBH  | Merchantable Bole Height (feet) |
|-----------|-----|-----------------|------|---------------------------------|
| 1         | 58  | Douglas-fir     | 15.9 | 74                              |
|           |     | Red Alder       | 15.1 | 55                              |
|           |     | Western Hemlock | 10   | 35                              |
| 2         | 54  | Douglas-fir     | 15   | 78                              |
|           |     | Red alder       | 15.7 | 53                              |
| 3         | 57  | Douglas-fir     | 17.1 | 78                              |
|           |     | Red Alder       | 14.5 | 53                              |
|           |     | Western Hemlock | 12   | 36                              |
| 4         | 55  | Douglas-fir     | 15.1 | 53                              |
|           |     | Red Alder       | 16.2 | 53                              |

Above data derived from Statistics (type) report using SuperAce 2008, developed by Atterbury consultants, Inc.

### **Cruiser /Dates**

ODF Staff Cruised; Unit 2 and Unit 3 November - December 2023. Unit 1 and Unit 4 September-October 2024.

### **Revenue Distribution**

BOF – 100%

Tax Code: 901 (100%)

Deed Numbers: 169

### **Attachments**

Volume Summary Table (4)

Stand Table (4)

Log Stock Table (4)

Species, Sort, Grade Table (4)

Logging Plan (2)

### **Stand and Log Stock Tables Species Key**

DF – Douglas-fir

RA – red alder

WH – western hemlock

SS – Sitka spruce Leave

RC – western redcedar Leave

BM – bigleaf maple Leave

NF-noble fir Leave



|                     |         |          |           |                       |              |          |            |          |                                          |        |     |                     |       |              |       |       |       |           |       |     |
|---------------------|---------|----------|-----------|-----------------------|--------------|----------|------------|----------|------------------------------------------|--------|-----|---------------------|-------|--------------|-------|-------|-------|-----------|-------|-----|
| TC TLOGSTVB         |         |          |           | Log Stock Table - MBF |              |          |            |          |                                          |        |     |                     |       |              |       |       |       |           |       |     |
|                     |         |          |           | Project: EDSBSM       |              |          |            |          |                                          |        |     |                     |       |              |       |       |       |           |       |     |
| T02S R08W S15 T0001 |         |          |           |                       |              |          |            |          |                                          |        |     | T02S R08W S15 T0001 |       |              |       |       |       |           |       |     |
| Twp                 |         | Rge      |           | Sec                   |              | Tract    |            | Type     |                                          | Acres  |     | Plots               |       | Sample Trees |       |       |       | Page      |       |     |
| 02S                 |         | 08W      |           | 15                    |              | UNIT1    |            | 0001     |                                          | 105.00 |     | 32                  |       | 104          |       |       |       | 2         |       |     |
|                     |         |          |           |                       |              |          |            |          |                                          |        |     |                     |       |              |       |       |       | Date      |       |     |
|                     |         |          |           |                       |              |          |            |          |                                          |        |     |                     |       |              |       |       |       | Time      |       |     |
|                     |         |          |           |                       |              |          |            |          |                                          |        |     |                     |       |              |       |       |       | 3:38:38PM |       |     |
| S<br>Spp            | So<br>T | Gr<br>rt | Log<br>de | Len                   | Gross<br>MBF | %<br>Def | 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                  | CO      | 4        | 34        |                       | 16           |          | 16         | 100.0    | 16                                       |        |     |                     |       |              |       |       |       |           |       |     |
| WH                  | Totals  |          |           |                       | 16           |          | 16         | .7       | 16                                       |        |     |                     |       |              |       |       |       |           |       |     |
| RC                  | CO      | 2        | 40        |                       | 14           |          | 14         | 87.0     |                                          |        |     |                     | 14    |              |       |       |       |           |       |     |
| RC                  | CO      | 4        | 26        |                       | 2            |          | 2          | 13.0     |                                          |        | 2   |                     |       |              |       |       |       |           |       |     |
| RC                  | Totals  |          |           |                       | 16           |          | 16         | .7       |                                          |        | 2   |                     | 14    |              |       |       |       |           |       |     |
| SS                  | CO      | 3        | 40        |                       | 6            |          | 6          | 100.0    |                                          |        | 6   |                     |       |              |       |       |       |           |       |     |
| SS                  | Totals  |          |           |                       | 6            |          | 6          | .2       |                                          |        | 6   |                     |       |              |       |       |       |           |       |     |
| Total All Species   |         |          |           |                       | 2,320        |          | 2,307      | 100.0    | 165                                      |        | 574 | 557                 | 371   | 317          | 243   | 25    | 55    |           |       |     |

| TC                  |   | TSTNDSUM |       |           |                 |                |             |              |             |       |               |                       |                       |             | Stand Table Summary |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
|---------------------|---|----------|-------|-----------|-----------------|----------------|-------------|--------------|-------------|-------|---------------|-----------------------|-----------------------|-------------|---------------------|-------|-----------|--------|--|------------|--|--|--|--|--|--|--|--|--|
|                     |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             | Project             |       |           | EDSBSM |  |            |  |  |  |  |  |  |  |  |  |
| T02S R08W S15 T0001 |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             | T02S R08W S15 T0001 |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
| Twp                 |   | Rge      |       | Sec       |                 | Tract          |             | Type         |             |       | Acres         |                       | Plots                 |             | Sample Trees        |       |           | Page:  |  | 1          |  |  |  |  |  |  |  |  |  |
| 02S                 |   | 08W      |       | 15        |                 | UNIT1          |             | 0001         |             |       | 105.00        |                       | 32                    |             | 104                 |       |           | Date:  |  | 12/18/2024 |  |  |  |  |  |  |  |  |  |
|                     |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             | Time:               |       | 3:38:39PM |        |  |            |  |  |  |  |  |  |  |  |  |
| S<br>Spc            | T | Sample   |       | FF<br>16' | Av<br>Ht<br>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 |           |                 |                |             |              | Net         | Net   |               |                       |                       | Tons        | Cunits              | MBF   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 10       | 1     | 82        | 100             | 3.296          | 1.80        | 6.59         | 8.4         | 35.0  | 1.58          | 55                    | 231                   | 166         | 58                  | 24    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 11       | 2     | 84        | 94              | 5.448          | 3.60        | 8.17         | 12.7        | 50.0  | 2.95          | 104                   | 409                   | 310         | 109                 | 43    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 12       | 5     | 85        | 95              | 11.444         | 8.99        | 22.89        | 12.3        | 49.0  | 8.00          | 281                   | 1,122                 | 840         | 295                 | 118   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 13       | 3     | 83        | 100             | 5.851          | 5.39        | 11.70        | 15.6        | 60.0  | 5.19          | 182                   | 702                   | 545         | 191                 | 74    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 14       | 4     | 85        | 95              | 6.726          | 7.19        | 13.45        | 17.4        | 67.5  | 6.68          | 234                   | 908                   | 702         | 246                 | 95    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 15       | 3     | 84        | 91              | 4.395          | 5.39        | 8.79         | 20.0        | 75.0  | 5.01          | 176                   | 659                   | 526         | 185                 | 69    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 16       | 6     | 83        | 101             | 7.725          | 10.79       | 15.45        | 24.8        | 91.7  | 10.92         | 383                   | 1,416                 | 1,146       | 402                 | 149   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 17       | 6     | 83        | 103             | 6.843          | 10.79       | 13.69        | 28.6        | 104.2 | 11.17         | 392                   | 1,426                 | 1,173       | 412                 | 150   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 18       | 2     | 86        | 117             | 2.035          | 3.60        | 5.09         | 28.9        | 114.0 | 4.20          | 147                   | 580                   | 441         | 155                 | 61    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 19       | 4     | 82        | 103             | 3.652          | 7.19        | 7.30         | 36.0        | 125.0 | 7.50          | 263                   | 913                   | 787         | 276                 | 96    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 20       | 2     | 84        | 104             | 1.648          | 3.60        | 4.12         | 31.8        | 118.0 | 3.73          | 131                   | 486                   | 392         | 138                 | 51    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 21       | 2     | 82        | 104             | 1.495          | 3.60        | 2.99         | 44.5        | 142.5 | 3.79          | 133                   | 426                   | 398         | 140                 | 45    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 22       | 7     | 83        | 108             | 4.767          | 12.58       | 10.21        | 47.3        | 174.0 | 13.76         | 483                   | 1,777                 | 1,445       | 507                 | 187   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 23       | 1     | 83        | 108             | .623           | 1.80        | 1.25         | 53.7        | 190.0 | 1.91          | 67                    | 237                   | 200         | 70                  | 25    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 24       | 3     | 84        | 103             | 1.717          | 5.39        | 3.43         | 57.8        | 216.7 | 5.66          | 198                   | 744                   | 594         | 208                 | 78    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | 27       | 1     | 82        | 129             | .452           | 1.80        | 1.36         | 59.3        | 256.7 | 2.29          | 80                    | 348                   | 241         | 85                  | 37    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| DF                  |   | Totals   |       | 52        | 84 100          | 68.115         | 93.48       | 136.48       | 24.3        | 90.7  | 94.35         | 3,311                 | 12,383                | 9,907       | 3,476               | 1,300 |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 11       | 3     | 81        | 108             | 9.651          | 6.37        | 16.08        | 13.1        | 50.0  | 5.78          | 210                   | 804                   | 607         | 221                 | 84    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 12       | 6     | 80        | 95              | 16.218         | 12.74       | 24.33        | 16.1        | 55.6  | 10.76         | 391                   | 1,352                 | 1,130       | 411                 | 142   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 13       | 5     | 76        | 86              | 11.516         | 10.61       | 18.43        | 17.8        | 52.5  | 9.03          | 328                   | 967                   | 948         | 345                 | 102   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 14       | 5     | 81        | 74              | 9.930          | 10.61       | 13.90        | 20.5        | 61.4  | 7.83          | 285                   | 854                   | 823         | 299                 | 90    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 15       | 6     | 79        | 83              | 10.380         | 12.74       | 17.30        | 23.1        | 75.0  | 10.97         | 399                   | 1,297                 | 1,151       | 419                 | 136   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 16       | 2     | 82        | 69              | 3.041          | 4.25        | 4.56         | 25.2        | 73.3  | 3.16          | 115                   | 335                   | 331         | 121                 | 35    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 17       | 3     | 83        | 82              | 4.041          | 6.37        | 8.08         | 25.0        | 86.7  | 5.55          | 202                   | 700                   | 583         | 212                 | 74    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 18       | 1     | 82        | 46              | 1.201          | 2.12        | 1.20         | 36.3        | 60.0  | 1.20          | 44                    | 72                    | 126         | 46                  | 8     |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 19       | 6     | 81        | 73              | 6.469          | 12.74       | 9.70         | 37.5        | 104.4 | 10.02         | 364                   | 1,014                 | 1,052       | 383                 | 106   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 20       | 3     | 78        | 76              | 2.919          | 6.37        | 4.87         | 39.8        | 102.0 | 5.33          | 194                   | 496                   | 559         | 203                 | 52    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 21       | 2     | 80        | 80              | 1.765          | 4.25        | 3.53         | 38.7        | 105.0 | 3.76          | 137                   | 371                   | 395         | 144                 | 39    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 22       | 1     | 71        | 65              | .804           | 2.12        | .80          | 42.1        | 140.0 | .93           | 34                    | 113                   | 98          | 36                  | 12    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 23       | 1     | 80        | 66              | .736           | 2.12        | 1.47         | 42.7        | 110.0 | 1.73          | 63                    | 162                   | 181         | 66                  | 17    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 25       | 1     | 79        | 64              | .623           | 2.12        | 1.25         | 47.9        | 110.0 | 1.64          | 60                    | 137                   | 172         | 63                  | 14    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | 34       | 2     | 83        | 94              | .673           | 4.25        | 1.01         | 143.3       | 553.3 | 3.98          | 145                   | 559                   | 418         | 152                 | 59    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RA                  |   | Totals   |       | 47        | 80 85           | 79.967         | 99.78       | 126.51       | 23.5        | 73.0  | 81.66         | 2,969                 | 9,232                 | 8,574       | 3,118               | 969   |           |        |  |            |  |  |  |  |  |  |  |  |  |
| WH                  |   | 10       | 1     | 86        | 54              | 3.851          | 2.10        | 3.85         | 9.8         | 40.0  | 1.21          | 38                    | 154                   | 127         | 40                  | 16    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| WH                  |   | Totals   |       | 1         | 86 54           | 3.851          | 2.10        | 3.85         | 9.8         | 40.0  | 1.21          | 38                    | 154                   | 127         | 40                  | 16    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RC                  |   | 24       | 1     | 71        | 85              | .669           | 2.10        | 1.34         | 54.0        | 115.0 | 1.70          | 72                    | 154                   | 178         | 76                  | 16    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| RC                  |   | Totals   |       | 1         | 71 85           | .669           | 2.10        | 1.34         | 54.0        | 115.0 | 1.70          | 72                    | 154                   | 178         | 76                  | 16    |           |        |  |            |  |  |  |  |  |  |  |  |  |
| SS                  |   | 16       | 1     | 82        | 59              | .752           | 1.05        | .75          | 33.3        | 70.0  | .65           | 25                    | 53                    | 68          | 26                  | 6     |           |        |  |            |  |  |  |  |  |  |  |  |  |
| SS                  |   | Totals   |       | 1         | 82 59           | .752           | 1.05        | .75          | 33.3        | 70.0  | 0.65          | 25                    | 53                    | 68          | 26                  | 6     |           |        |  |            |  |  |  |  |  |  |  |  |  |
| BM                  |   | 39       | 1     | 72        | 91              | .127           | 1.05        |              |             |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
| BM                  |   | Totals   |       | 1         | 72 91           | .127           | 1.05        |              |             |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
| OC                  |   | 22       | 1     | 78        | 39              | .398           | 1.05        |              |             |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
| OC                  |   | Totals   |       | 1         | 78 39           | .398           | 1.05        |              |             |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |
| Totals              |   |          |       | 104       | 82 91           | 153.879        | 200.61      | 268.94       | 23.9        | 81.7  | 179.57        | 6415                  | 21,976                | 18,855      | 6,736               | 2,307 |           |        |  |            |  |  |  |  |  |  |  |  |  |

|                     |          |        |                       |    |      |       |              |              |            |          |                                          |           |     |     |       |       |       |       |       |       |       |
|---------------------|----------|--------|-----------------------|----|------|-------|--------------|--------------|------------|----------|------------------------------------------|-----------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| TC                  | TLOGSTVB |        | Log Stock Table - MBF |    |      |       |              |              |            |          |                                          |           |     |     |       |       |       |       |       |       |       |
| Project: EDSBSM     |          |        |                       |    |      |       |              |              |            |          |                                          |           |     |     |       |       |       |       |       |       |       |
| T02S R08W S14 T0100 |          |        |                       |    |      |       |              |              |            |          | T02S R08W S14 T0100                      |           |     |     |       |       |       |       |       |       |       |
| Twp                 | Rge      | Sec    | Tract                 |    | Type | Acres | Plots        | Sample Trees |            | Page     | 1                                        |           |     |     |       |       |       |       |       |       |       |
| 02S                 | 08W      | 14     | UNIT2                 |    | 0100 | 28.00 | 11           | 47           |            | Date     | 12/18/2024                               |           |     |     |       |       |       |       |       |       |       |
|                     |          |        |                       |    |      |       |              |              |            |          | Time                                     | 3:41:24PM |     |     |       |       |       |       |       |       |       |
| Spp                 | T        | S      | So                    | Gr | Log  | Len   | Gross<br>MBF | %<br>Def     | 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 |
| DF                  |          | CO     | 2                     |    | 30   |       | 16           |              | 16         | 2.0      |                                          |           |     |     | 16    |       |       |       |       |       |       |
| DF                  |          | CO     | 2                     |    | 40   |       | 155          |              | 155        | 19.4     |                                          |           |     |     | 112   | 21    | 22    |       |       |       |       |
| DF                  |          | CO     | 3                     |    |      |       |              |              |            |          |                                          |           |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 3                     |    | 26   |       | 14           |              | 14         | 1.7      |                                          |           |     |     | 14    |       |       |       |       |       |       |
| DF                  |          | CO     | 3                     |    | 27   |       | 8            |              | 8          | .9       |                                          |           |     | 8   |       |       |       |       |       |       |       |
| DF                  |          | CO     | 3                     |    | 28   |       | 3            |              | 3          | .4       |                                          | 3         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 3                     |    | 40   |       | 520          | .4           | 518        | 64.7     |                                          |           | 151 | 177 | 190   |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 12   |       | 1            |              | 1          | .1       |                                          | 1         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 13   |       | 1            |              | 1          | .1       |                                          | 1         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 15   |       | 1            |              | 1          | .1       |                                          | 1         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 18   |       | 6            |              | 6          | .8       |                                          | 6         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 21   |       | 2            |              | 2          | .2       |                                          | 2         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 24   |       | 12           |              | 12         | 1.4      |                                          | 12        |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 26   |       | 5            |              | 5          | .6       |                                          | 5         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 27   |       | 7            |              | 7          | .9       |                                          | 6         | 2   |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 30   |       | 4            |              | 4          | .5       |                                          | 4         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 31   |       | 5            |              | 5          | .6       |                                          | 5         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 33   |       | 4            |              | 4          | .5       |                                          | 4         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 36   |       | 9            |              | 9          | 1.1      |                                          | 9         |     |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 40   |       | 24           |              | 24         | 3.0      |                                          | 17        | 7   |     |       |       |       |       |       |       |       |
| DF                  |          | CO     | 4                     |    | 41   |       | 6            |              | 6          | .8       |                                          | 6         |     |     |       |       |       |       |       |       |       |
| DF                  |          | Totals |                       |    |      |       | 802          |              | 800        | 80.8     |                                          | 81        | 160 | 184 | 190   | 142   | 21    | 22    |       |       |       |
| RA                  |          | H      | 2                     |    | 40   |       | 16           |              | 16         | 8.5      |                                          |           |     |     | 16    |       |       |       |       |       |       |
| RA                  |          | H      | 3                     |    | 40   |       | 51           |              | 51         | 26.5     |                                          |           |     |     | 35    | 16    |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 12   |       | 2            |              | 2          | .9       |                                          |           | 2   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 16   |       | 3            |              | 3          | 1.6      |                                          |           | 3   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 21   |       | 7            |              | 7          | 3.9      |                                          |           |     | 7   |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 22   |       | 4            |              | 4          | 2.4      |                                          |           | 4   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 27   |       | 3            |              | 3          | 1.4      |                                          |           | 3   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 28   |       | 5            |              | 5          | 2.6      |                                          |           | 5   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 30   |       | 3            |              | 3          | 1.7      |                                          |           | 3   |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 37   |       | 13           |              | 13         | 6.8      |                                          |           | 13  |     |       |       |       |       |       |       |       |
| RA                  |          | H      | 4                     |    | 40   |       | 83           |              | 83         | 43.6     |                                          |           | 26  | 57  |       |       |       |       |       |       |       |
| RA                  |          | Totals |                       |    |      |       | 190          |              | 190        | 19.2     |                                          |           | 59  | 65  | 35    | 32    |       |       |       |       |       |
| Total All Species   |          |        |                       |    |      |       | 993          |              | 991        | 100.0    |                                          | 81        | 219 | 249 | 225   | 175   | 21    | 22    |       |       |       |

| TC                  |   | TSTNDSUM |       |           |                 |                |             |              |             |       |               |                       |                       |             | Stand Table Summary |       |     |                  |  |  |  |  |  |  |  |  |  |
|---------------------|---|----------|-------|-----------|-----------------|----------------|-------------|--------------|-------------|-------|---------------|-----------------------|-----------------------|-------------|---------------------|-------|-----|------------------|--|--|--|--|--|--|--|--|--|
|                     |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             | Project EDSBSM      |       |     |                  |  |  |  |  |  |  |  |  |  |
| T02S R08W S14 T0100 |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             | T02S R08W S14 T0100 |       |     |                  |  |  |  |  |  |  |  |  |  |
| Twp                 |   | Rge      |       | Sec       |                 | Tract          |             | Type         |             |       | Acres         |                       | Plots                 |             | Sample Trees        |       |     | Page: 1          |  |  |  |  |  |  |  |  |  |
| 02S                 |   | 08W      |       | 14        |                 | UNIT2          |             | 0100         |             |       | 28.00         |                       | 11                    |             | 47                  |       |     | Date: 12/18/2024 |  |  |  |  |  |  |  |  |  |
|                     |   |          |       |           |                 |                |             |              |             |       |               |                       |                       |             |                     |       |     | Time: 3:41:25PM  |  |  |  |  |  |  |  |  |  |
| S<br>Spc            | T | Sample   |       | FF<br>16' | Av<br>Ht<br>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 |           |                 |                |             |              | Net         | Net   |               |                       |                       | Tons        | Cunits              | MBF   |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 9        | 1     | 82        | 132             | 13.718         | 6.06        | 27.44        | 8.4         | 45.0  | 6.55          | 230                   | 1,235                 | 183         | 64                  | 35    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 10       | 2     | 84        | 102             | 22.224         | 12.12       | 33.34        | 10.2        | 46.7  | 9.69          | 340                   | 1,556                 | 271         | 95                  | 44    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 12       | 1     | 85        | 118             | 7.717          | 6.06        | 15.43        | 15.7        | 65.0  | 6.91          | 243                   | 1,003                 | 194         | 68                  | 28    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 13       | 2     | 83        | 85              | 13.150         | 12.12       | 19.73        | 17.7        | 60.0  | 9.94          | 349                   | 1,184                 | 278         | 98                  | 33    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 14       | 3     | 84        | 104             | 17.008         | 18.18       | 34.02        | 18.8        | 71.7  | 18.21         | 639                   | 2,438                 | 510         | 179                 | 68    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 15       | 5     | 83        | 112             | 24.693         | 30.30       | 49.39        | 22.8        | 86.0  | 32.14         | 1,128                 | 4,247                 | 900         | 316                 | 119   |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 16       | 3     | 84        | 119             | 13.022         | 18.18       | 26.04        | 26.8        | 105.0 | 19.92         | 699                   | 2,735                 | 558         | 196                 | 77    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 17       | 4     | 84        | 113             | 15.380         | 24.24       | 34.60        | 23.2        | 95.6  | 22.90         | 804                   | 3,307                 | 641         | 225                 | 93    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 18       | 6     | 83        | 108             | 20.578         | 36.36       | 44.58        | 30.2        | 111.5 | 38.32         | 1,345                 | 4,973                 | 1,073       | 377                 | 139   |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 19       | 3     | 84        | 120             | 9.234          | 18.18       | 21.55        | 34.4        | 127.1 | 21.11         | 741                   | 2,740                 | 591         | 207                 | 77    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 20       | 1     | 82        | 117             | 2.778          | 6.06        | 8.33         | 30.2        | 113.3 | 7.18          | 252                   | 945                   | 201         | 71                  | 26    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 23       | 1     | 83        | 115             | 2.101          | 6.06        | 6.30         | 40.0        | 166.7 | 7.18          | 252                   | 1,050                 | 201         | 71                  | 29    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 24       | 1     | 83        | 133             | 1.929          | 6.06        | 5.79         | 47.8        | 203.3 | 7.89          | 277                   | 1,177                 | 221         | 77                  | 33    |     |                  |  |  |  |  |  |  |  |  |  |
| DF                  |   | Totals   |       | 33        | 83              | 110            | 163.531     | 200.00       | 326.54      | 22.3  | 87.5          | 207.93                | 7,296                 | 28,587      | 5,822               | 2,043 | 800 |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 13       | 1     | 83        | 85              | 6.199          | 5.71        | 12.40        | 14.3        | 50.0  | 4.89          | 178                   | 620                   | 137         | 50                  | 17    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 14       | 4     | 80        | 79              | 21.382         | 22.86       | 32.07        | 19.3        | 63.3  | 16.98         | 618                   | 2,031                 | 476         | 173                 | 57    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 16       | 3     | 72        | 64              | 12.278         | 17.14       | 12.28        | 38.5        | 73.3  | 13.00         | 473                   | 900                   | 364         | 132                 | 25    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 17       | 3     | 82        | 65              | 10.876         | 17.14       | 14.50        | 31.6        | 85.0  | 12.60         | 458                   | 1,233                 | 353         | 128                 | 35    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 18       | 1     | 86        | 88              | 3.234          | 5.71        | 6.47         | 30.1        | 105.0 | 5.34          | 194                   | 679                   | 150         | 54                  | 19    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 19       | 1     | 83        | 91              | 2.902          | 5.71        | 5.80         | 37.0        | 120.0 | 5.91          | 215                   | 697                   | 166         | 60                  | 20    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 21       | 1     | 83        | 86              | 2.376          | 5.71        | 4.75         | 43.4        | 135.0 | 5.68          | 206                   | 641                   | 159         | 58                  | 18    |     |                  |  |  |  |  |  |  |  |  |  |
| RA                  |   | Totals   |       | 14        | 80              | 75             | 59.246      | 80.00        | 88.27       | 26.5  | 77.0          | 64.41                 | 2,342                 | 6,801       | 1,803               | 656   | 190 |                  |  |  |  |  |  |  |  |  |  |
| Totals              |   |          |       | 47        | 82              | 101            | 222.777     | 280.00       | 414.81      | 23.2  | 85.3          | 272.34                | 9638                  | 35,388      | 7,625               | 2,699 | 991 |                  |  |  |  |  |  |  |  |  |  |



|                     |  |     |  |                       |  |         |  |           |  |        |  |                     |  |              |  |                                          |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
|---------------------|--|-----|--|-----------------------|--|---------|--|-----------|--|--------|--|---------------------|--|--------------|--|------------------------------------------|--|------|--|------------|--|-----|--|-------|--|-------|--|-------|--|-------|--|
| TC TLOGSTVB         |  |     |  | Log Stock Table - MBF |  |         |  |           |  |        |  |                     |  |              |  |                                          |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
|                     |  |     |  | Project:              |  |         |  | EDSBSM    |  |        |  |                     |  |              |  |                                          |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| T02S R08W S22 T0100 |  |     |  |                       |  |         |  |           |  |        |  | T02S R08W S22 T0100 |  |              |  |                                          |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| Twp                 |  | Rge |  | Sec                   |  | Tract   |  | Type      |  | Acres  |  | Plots               |  | Sample Trees |  |                                          |  | Page |  | 2          |  |     |  |       |  |       |  |       |  |       |  |
| 02S                 |  | 08W |  | 22                    |  | UNIT3   |  | 0100      |  | 106.00 |  | 39                  |  | 130          |  |                                          |  | Date |  | 12/18/2024 |  |     |  |       |  |       |  |       |  |       |  |
|                     |  |     |  |                       |  |         |  |           |  |        |  |                     |  |              |  |                                          |  | Time |  | 3:42:48PM  |  |     |  |       |  |       |  |       |  |       |  |
| S Spp               |  |     |  | So Gr                 |  | Log Len |  | Gross MBF |  | % Def  |  | Net MBF             |  | % Spc        |  | Net Volume by Scaling Diameter in Inches |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
|                     |  |     |  |                       |  |         |  |           |  |        |  |                     |  |              |  | 2-3                                      |  | 4-5  |  | 6-7        |  | 8-9 |  | 10-11 |  | 12-13 |  | 14-15 |  | 16-19 |  |
| SS                  |  |     |  | CO                    |  | 4 28    |  | 3         |  |        |  | 3                   |  | 100.0        |  | 3                                        |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| SS                  |  |     |  |                       |  | Totals  |  | 3         |  |        |  | 3                   |  | .1           |  | 3                                        |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| NF                  |  |     |  | CO                    |  | 2 40    |  | 11        |  |        |  | 11                  |  | 85.7         |  |                                          |  |      |  | 11         |  |     |  |       |  |       |  |       |  |       |  |
| NF                  |  |     |  | CO                    |  | 4 40    |  | 2         |  |        |  | 2                   |  | 14.3         |  | 2                                        |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| NF                  |  |     |  |                       |  | Totals  |  | 13        |  |        |  | 13                  |  | .5           |  | 2                                        |  |      |  | 11         |  |     |  |       |  |       |  |       |  |       |  |
| WH                  |  |     |  | CO                    |  | 4 35    |  | 5         |  |        |  | 5                   |  | 100.0        |  | 5                                        |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| WH                  |  |     |  |                       |  | Totals  |  | 5         |  |        |  | 5                   |  | .2           |  | 5                                        |  |      |  |            |  |     |  |       |  |       |  |       |  |       |  |
| Total All Species   |  |     |  |                       |  |         |  | 2,643     |  |        |  | 2,629               |  | 100.0        |  | 151                                      |  | 574  |  | 502        |  | 550 |  | 277   |  | 282   |  | 244   |  | 49    |  |

| TC                  |   | TSTNDSUM |        |           |                 |                |             |              |             |       |               |                       |                       |             | Stand Table Summary |       |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|---|----------|--------|-----------|-----------------|----------------|-------------|--------------|-------------|-------|---------------|-----------------------|-----------------------|-------------|---------------------|-------|-----------|--------|--|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                     |   |          |        |           |                 |                |             |              |             |       |               |                       |                       |             | Project             |       |           | EDSBSM |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T02S R08W S22 T0100 |   |          |        |           |                 |                |             |              |             |       |               |                       |                       |             | T02S R08W S22 T0100 |       |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Twp                 |   | Rge      |        | Sec       |                 | Tract          |             | Type         |             |       | Acres         |                       | Plots                 |             | Sample Trees        |       |           | Page:  |  | 1          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 02S                 |   | 08W      |        | 22        |                 | UNIT3          |             | 0100         |             |       | 106.00        |                       | 39                    |             | 130                 |       |           | Date:  |  | 12/18/2024 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                     |   |          |        |           |                 |                |             |              |             |       |               |                       |                       |             | Time:               |       | 3:42:49PM |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| S<br>Spc            | T | Sample   |        | FF<br>16' | Av<br>Ht<br>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 |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                     |   | Tons     | Cunits |           |                 |                |             |              | MBF         |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 9        | 1      | 88        | 83              | 3.645          | 1.61        | 3.64         | 9.7         | 40.0  | 1.01          | 35                    | 146                   | 107         | 38                  | 15    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 10       | 3      | 83        | 100             | 8.857          | 4.83        | 11.81        | 11.9        | 47.5  | 4.02          | 141                   | 561                   | 426         | 150                 | 59    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 11       | 1      | 88        | 92              | 2.440          | 1.61        | 4.88         | 9.8         | 45.0  | 1.37          | 48                    | 220                   | 145         | 51                  | 23    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 12       | 1      | 82        | 108             | 2.050          | 1.61        | 4.10         | 13.4        | 50.0  | 1.56          | 55                    | 205                   | 165         | 58                  | 22    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 13       | 2      | 84        | 117             | 3.494          | 3.22        | 6.99         | 18.2        | 75.0  | 3.62          | 127                   | 524                   | 384         | 135                 | 56    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 14       | 2      | 86        | 89              | 3.012          | 3.22        | 6.02         | 16.5        | 65.0  | 2.83          | 99                    | 392                   | 300         | 105                 | 42    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 15       | 5      | 84        | 114             | 6.561          | 8.05        | 13.12        | 22.9        | 92.0  | 8.57          | 301                   | 1,207                 | 908         | 319                 | 128   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 16       | 9      | 84        | 101             | 10.379         | 14.49       | 20.76        | 24.8        | 92.2  | 14.65         | 514                   | 1,914                 | 1,553       | 545                 | 203   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 17       | 7      | 84        | 106             | 7.151          | 11.27       | 14.30        | 29.2        | 110.0 | 11.89         | 417                   | 1,573                 | 1,260       | 442                 | 167   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 18       | 7      | 83        | 106             | 6.378          | 11.27       | 12.76        | 32.4        | 119.3 | 11.77         | 413                   | 1,522                 | 1,248       | 438                 | 161   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 19       | 4      | 83        | 115             | 3.271          | 6.44        | 7.36         | 31.6        | 116.7 | 6.64          | 233                   | 859                   | 703         | 247                 | 91    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 20       | 3      | 83        | 100             | 2.214          | 4.83        | 4.43         | 39.0        | 123.3 | 4.92          | 173                   | 546                   | 522         | 183                 | 58    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 21       | 10     | 85        | 106             | 6.694          | 16.10       | 15.40        | 39.7        | 142.6 | 17.41         | 611                   | 2,196                 | 1,846       | 648                 | 233   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 22       | 2      | 82        | 112             | 1.220          | 3.22        | 3.05         | 41.4        | 150.0 | 3.60          | 126                   | 457                   | 381         | 134                 | 48    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 23       | 6      | 84        | 98              | 3.348          | 9.66        | 7.26         | 47.8        | 175.4 | 9.89          | 347                   | 1,272                 | 1,048       | 368                 | 135   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 24       | 3      | 84        | 122             | 1.538          | 4.83        | 3.59         | 57.3        | 240.0 | 5.86          | 206                   | 861                   | 621         | 218                 | 91    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 25       | 5      | 83        | 108             | 2.362          | 8.05        | 5.67         | 54.6        | 213.3 | 8.83          | 310                   | 1,209                 | 936         | 328                 | 128   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 27       | 2      | 83        | 136             | .810           | 3.22        | 2.43         | 61.0        | 265.0 | 4.23          | 148                   | 644                   | 448         | 157                 | 68    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 28       | 1      | 82        | 104             | .377           | 1.61        | .75          | 81.6        | 310.0 | 1.75          | 61                    | 233                   | 186         | 65                  | 25    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 30       | 1      | 86        | 117             | .328           | 1.61        | .98          | 69.7        | 306.7 | 1.95          | 69                    | 302                   | 207         | 73                  | 32    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | 31       | 1      | 86        | 118             | .307           | 1.61        | .92          | 76.5        | 343.3 | 2.01          | 71                    | 316                   | 213         | 75                  | 34    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DF                  |   | Totals   | 76     | 84        | 104             | 76.436         | 122.37      | 150.22       | 30.0        | 114.2 | 128.38        | 4,505                 | 17,160                | 13,608      | 4,775               | 1,819 |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 10       | 1      | 77        | 116             | 3.287          | 1.79        | 3.29         | 18.5        | 70.0  | 1.68          | 61                    | 230                   | 178         | 65                  | 24    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 11       | 4      | 80        | 105             | 10.865         | 7.17        | 13.58        | 16.4        | 56.0  | 6.12          | 223                   | 761                   | 649         | 236                 | 81    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 12       | 5      | 78        | 69              | 11.412         | 8.96        | 11.41        | 15.4        | 50.0  | 4.82          | 175                   | 571                   | 511         | 186                 | 60    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 13       | 7      | 82        | 99              | 13.613         | 12.55       | 21.39        | 18.9        | 70.0  | 11.10         | 403                   | 1,497                 | 1,176       | 428                 | 159   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 14       | 9      | 80        | 74              | 15.091         | 16.13       | 20.12        | 22.0        | 64.2  | 12.16         | 442                   | 1,291                 | 1,289       | 469                 | 137   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 15       | 7      | 76        | 78              | 10.225         | 12.55       | 13.15        | 23.3        | 71.1  | 8.41          | 306                   | 935                   | 891         | 324                 | 99    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 16       | 2      | 83        | 66              | 2.568          | 3.59        | 3.85         | 18.4        | 56.7  | 1.95          | 71                    | 218                   | 207         | 75                  | 23    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 17       | 2      | 73        | 69              | 2.274          | 3.59        | 2.27         | 44.5        | 95.0  | 2.78          | 101                   | 216                   | 295         | 107                 | 23    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 18       | 2      | 83        | 59              | 2.029          | 3.59        | 2.03         | 30.1        | 105.0 | 1.68          | 61                    | 213                   | 178         | 65                  | 23    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 19       | 2      | 77        | 76              | 1.821          | 3.59        | 2.73         | 36.7        | 93.3  | 2.76          | 100                   | 255                   | 292         | 106                 | 27    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 20       | 1      | 72        | 64              | .822           | 1.79        | .82          | 61.6        | 100.0 | 1.39          | 51                    | 82                    | 148         | 54                  | 9     |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 21       | 2      | 74        | 85              | 1.490          | 3.59        | 2.24         | 45.3        | 120.0 | 2.78          | 101                   | 268                   | 295         | 107                 | 28    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 23       | 1      | 79        | 79              | .621           | 1.79        | 1.24         | 27.3        | 100.0 | .93           | 34                    | 124                   | 99          | 36                  | 13    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 24       | 1      | 78        | 55              | .571           | 1.79        | .57          | 48.1        | 200.0 | .75           | 27                    | 114                   | 80          | 29                  | 12    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 27       | 1      | 85        | 78              | .451           | 1.79        | .90          | 63.8        | 220.0 | 1.58          | 57                    | 198                   | 168         | 61                  | 21    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 28       | 2      | 82        | 87              | .838           | 3.59        | 1.68         | 55.8        | 207.5 | 2.58          | 94                    | 348                   | 273         | 99                  | 37    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | 29       | 1      | 79        | 88              | .391           | 1.79        | .78          | 43.4        | 155.0 | .93           | 34                    | 121                   | 99          | 36                  | 13    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RA                  |   | Totals   | 50     | 79        | 84              | 78.367         | 89.63       | 102.06       | 22.9        | 72.9  | 64.40         | 2,342                 | 7,443                 | 6,826       | 2,482               | 789   |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NF                  |   | 19       | 1      | 89        | 96              | .438           | .86         | .88          | 37.5        | 140.0 | .79           | 33                    | 123                   | 83          | 35                  | 13    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NF                  |   | Totals   | 1      | 89        | 96              | .438           | .86         | .88          | 37.5        | 140.0 | 0.79          | 33                    | 123                   | 83          | 35                  | 13    |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WH                  |   | 12       | 1      | 82        | 49              | 1.097          | .86         | 1.10         | 16.1        | 40.0  | .57           | 18                    | 44                    | 60          | 19                  | 5     |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WH                  |   | Totals   | 1      | 82        | 49              | 1.097          | .86         | 1.10         | 16.1        | 40.0  | 0.57          | 18                    | 44                    | 60          | 19                  | 5     |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS                  |   | 13       | 1      | 82        | 37              | .935           | .86         | .93          | 14.8        | 30.0  | .36           | 14                    | 28                    | 38          | 15                  | 3     |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS                  |   | 17       | 1      | 78        | 42              | .547           | .86         |              |             |       |               |                       |                       |             |                     |       |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SS                  |   | Totals   | 2      | 81        | 39              | 1.482          | 1.72        | .93          | 14.8        | 30.0  | 0.36          | 14                    | 28                    | 38          | 15                  | 3     |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Totals              |   |          | 130    | 82        | 93              | 157.820        | 215.45      | 255.18       | 27.1        | 97.2  | 194.49        | 6911                  | 24,797                | 20,616      | 7,325               | 2,629 |           |        |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                   |          |     |                       |     |      |       |              |              |            |          |                                          |                   |     |            |       |       |       |       |       |       |       |     |  |  |  |
|-------------------|----------|-----|-----------------------|-----|------|-------|--------------|--------------|------------|----------|------------------------------------------|-------------------|-----|------------|-------|-------|-------|-------|-------|-------|-------|-----|--|--|--|
| TC                | TLOGSTVB |     | Log Stock Table - MBF |     |      |       |              |              |            |          |                                          |                   |     |            |       |       |       |       |       |       |       |     |  |  |  |
| Project: EDSBSM   |          |     |                       |     |      |       |              |              |            |          |                                          |                   |     |            |       |       |       |       |       |       |       |     |  |  |  |
| T2S R8W S14 T0100 |          |     |                       |     |      |       |              |              |            |          |                                          | T2S R8W S14 T0100 |     |            |       |       |       |       |       |       |       |     |  |  |  |
| Twp               | Rge      | Sec | Tract                 |     | Type | Acres | Plots        | Sample Trees |            |          |                                          | Page              |     | 1          |       |       |       |       |       |       |       |     |  |  |  |
| 2S                | 8W       | 14  | UNIT4                 |     | 0100 | 71.00 | 40           | 91           |            |          |                                          | Date              |     | 12/23/2024 |       |       |       |       |       |       |       |     |  |  |  |
|                   |          |     |                       |     |      |       |              |              |            |          |                                          | Time              |     | 8:24:56AM  |       |       |       |       |       |       |       |     |  |  |  |
| Spp               | S        | So  | Gr                    | Log | T    | Len   | Gross<br>MBF | %<br>Def     | 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                | CO       | 2   | 24                    |     |      |       | 7            |              | 7          | .6       |                                          |                   |     |            | 7     |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 2   | 30                    |     |      |       | 8            |              | 8          | .7       |                                          |                   |     |            | 8     |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 2   | 32                    |     |      |       | 22           |              | 22         | 1.9      |                                          |                   |     |            |       |       |       | 22    |       |       |       |     |  |  |  |
| DF                | CO       | 2   | 34                    |     |      |       | 20           |              | 20         | 1.7      |                                          |                   |     |            |       |       |       | 20    |       |       |       |     |  |  |  |
| DF                | CO       | 2   | 40                    |     |      |       | 506          | 1.8          | 497        | 42.4     |                                          |                   |     |            | 241   | 132   | 125   |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 24                    |     |      |       | 8            |              | 8          | .7       |                                          |                   |     |            | 8     |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 26                    |     |      |       | 16           |              | 16         | 1.3      |                                          |                   |     |            | 16    |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 32                    |     |      |       | 105          | 4.1          | 101        | 8.6      |                                          |                   | 32  | 55         | 13    |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 34                    |     |      |       | 32           |              | 32         | 2.7      |                                          |                   | 14  | 18         |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 36                    |     |      |       | 19           |              | 19         | 1.6      |                                          |                   | 9   | 10         |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 38                    |     |      |       | 23           |              | 23         | 2.0      |                                          |                   | 8   | 15         |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 3   | 40                    |     |      |       | 281          | .8           | 278        | 23.7     |                                          |                   | 33  | 102        | 144   |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 12                    |     |      |       | 10           |              | 10         | .8       |                                          |                   | 10  |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 16                    |     |      |       | 16           |              | 16         | 1.4      |                                          |                   | 16  |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 18                    |     |      |       | 10           |              | 10         | .9       |                                          |                   | 9   | 2          |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 20                    |     |      |       | 23           |              | 23         | 2.0      |                                          |                   | 21  | 2          |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 24                    |     |      |       | 17           |              | 17         | 1.5      |                                          |                   | 17  |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 26                    |     |      |       | 9            |              | 9          | .8       |                                          |                   | 9   |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 28                    |     |      |       | 52           |              | 52         | 4.4      |                                          |                   | 52  |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | CO       | 4   | 34                    |     |      |       | 5            | 20.0         | 4          | .3       |                                          |                   | 4   |            |       |       |       |       |       |       |       |     |  |  |  |
| DF                | Totals   |     |                       |     |      |       | 1,190        | 1.4          | 1,173      | 61.1     |                                          |                   | 234 | 204        | 181   | 256   | 132   | 167   |       |       |       |     |  |  |  |
| RA                | H        | 2   | 24                    |     |      |       | 24           |              | 24         | 3.4      |                                          |                   |     |            | 8     |       |       | 17    |       |       |       |     |  |  |  |
| RA                | H        | 2   | 30                    |     |      |       | 55           | 6.3          | 51         | 7.2      |                                          |                   |     |            | 33    |       |       | 18    |       |       |       |     |  |  |  |
| RA                | H        | 2   | 40                    |     |      |       | 97           | .9           | 96         | 13.6     |                                          |                   |     |            | 96    |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 20                    |     |      |       | 6            |              | 6          | .8       |                                          |                   |     | 6          |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 26                    |     |      |       | 55           |              | 55         | 7.8      |                                          |                   |     | 26         | 30    |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 28                    |     |      |       | 27           |              | 27         | 3.8      |                                          |                   |     |            | 27    |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 30                    |     |      |       | 28           |              | 28         | 4.0      |                                          |                   |     | 28         |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 32                    |     |      |       | 17           |              | 17         | 2.4      |                                          |                   |     | 17         |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 36                    |     |      |       | 18           | 6.3          | 17         | 2.4      |                                          |                   |     |            | 17    |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 3   | 40                    |     |      |       | 233          | 1.0          | 231        | 32.7     |                                          |                   |     | 65         | 144   | 22    |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 16                    |     |      |       | 11           | 10.5         | 10         | 1.4      |                                          |                   | 10  |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 18                    |     |      |       | 15           |              | 15         | 2.1      |                                          |                   | 11  | 4          |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 20                    |     |      |       | 45           |              | 45         | 6.3      |                                          |                   | 43  | 2          |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 24                    |     |      |       | 11           |              | 11         | 1.5      |                                          |                   | 11  |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 26                    |     |      |       | 8            |              | 8          | 1.2      |                                          |                   | 8   |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 28                    |     |      |       | 7            |              | 7          | 1.0      |                                          |                   | 7   |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 30                    |     |      |       | 14           |              | 14         | 2.0      |                                          |                   | 14  |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 34                    |     |      |       | 24           |              | 24         | 3.4      |                                          |                   | 24  |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | H        | 4   | 40                    |     |      |       | 22           |              | 22         | 3.1      |                                          |                   | 22  |            |       |       |       |       |       |       |       |     |  |  |  |
| RA                | Totals   |     |                       |     |      |       | 716          | 1.3          | 707        | 36.8     |                                          |                   | 149 | 147        | 217   | 159   |       | 35    |       |       |       |     |  |  |  |
| NF                | CO       | 2   | 32                    |     |      |       | 4            |              | 4          | 10.3     |                                          |                   |     |            | 4     |       |       |       |       |       |       |     |  |  |  |
| NF                | CO       | 2   | 40                    |     |      |       | 34           |              | 34         | 80.6     |                                          |                   |     |            |       |       | 16    |       | 17    |       |       |     |  |  |  |
| NF                | CO       | 3   | 40                    |     |      |       | 3            |              | 3          | 7.2      |                                          |                   |     | 3          |       |       |       |       |       |       |       |     |  |  |  |
| NF                | CO       | 4   | 16                    |     |      |       | 1            |              | 1          | 1.9      |                                          |                   |     | 1          |       |       |       |       |       |       |       |     |  |  |  |
| NF                | Totals   |     |                       |     |      |       | 42           |              | 42         | 2.2      |                                          |                   | 1   | 3          |       | 4     |       | 16    |       | 17    |       |     |  |  |  |
| Total All Species |          |     |                       |     |      |       | 1,947        | 1.3          | 1,922      | 100.0    |                                          |                   | 384 | 354        | 398   | 419   | 132   | 217   |       | 17    |       |     |  |  |  |

| TC                |     | Stand Table Summary |       |           |                |             |              |             |               |               |               |                |                   |           |        |       |
|-------------------|-----|---------------------|-------|-----------|----------------|-------------|--------------|-------------|---------------|---------------|---------------|----------------|-------------------|-----------|--------|-------|
| TSTNDSUM          |     | Project EDSBSM      |       |           |                |             |              |             |               |               |               |                |                   |           |        |       |
| T2S R8W S14 T0100 |     |                     |       |           |                |             |              |             |               |               |               |                | T2S R8W S14 T0100 |           |        |       |
| Twp               | Rge | Sec                 | Tract | Type      |                |             | Acres        | Plots       | Sample Trees  |               | Page:         | 1              |                   |           |        |       |
| 2S                | 8W  | 14                  | UNIT4 | 0100      |                |             | 71.00        | 40          | 91            |               | Date:         | 12/23/2024     |                   |           |        |       |
|                   |     |                     |       |           |                |             |              |             |               |               |               |                | Time:             | 8:24:56AM |        |       |
| S<br>Spc          | T   | Sample              |       | Av        | Trees/<br>Acre | BA/<br>Acre | Logs<br>Acre | Average Log |               | Tons/<br>Acre | Net           | Net            | T o t a l s       |           |        |       |
|                   |     | DBH                 | Trees | FF<br>16' |                |             |              | Ht<br>Tot   | Net<br>Cu.Ft. |               | Net<br>Bd.Ft. | Cu.Ft.<br>Acre | Bd.Ft.<br>Acre    | Tons      | Cunits | MBF   |
| DF                |     | 8                   | 1     | 78        | 17             | 8.068       | 2.82         | 8.07        | 2.8           | 10.0          | .64           | 22             | 81                | 45        | 16     | 6     |
| DF                |     | 9                   | 2     | 82        | 60             | 12.750      | 5.63         | 12.75       | 8.9           | 30.0          | 3.25          | 114            | 382               | 230       | 81     | 27    |
| DF                |     | 10                  | 2     | 83        | 54             | 10.327      | 5.63         | 10.33       | 9.0           | 30.0          | 2.66          | 93             | 310               | 189       | 66     | 22    |
| DF                |     | 11                  | 2     | 84        | 52             | 8.535       | 5.63         | 8.53        | 10.8          | 40.0          | 2.62          | 92             | 341               | 186       | 65     | 24    |
| DF                |     | 12                  | 2     | 81        | 71             | 7.172       | 5.63         | 10.76       | 11.9          | 40.0          | 3.66          | 128            | 430               | 260       | 91     | 31    |
| DF                |     | 13                  | 2     | 82        | 92             | 6.111       | 5.63         | 12.22       | 13.9          | 47.5          | 4.84          | 170            | 581               | 344       | 121    | 41    |
| DF                |     | 14                  | 3     | 84        | 93             | 8.102       | 8.45         | 16.20       | 16.0          | 58.3          | 7.37          | 259            | 944               | 523       | 184    | 67    |
| DF                |     | 15                  | 4     | 86        | 89             | 9.180       | 11.27        | 18.36       | 18.3          | 71.2          | 9.59          | 337            | 1,308             | 681       | 239    | 93    |
| DF                |     | 16                  | 2     | 86        | 90             | 4.166       | 5.63         | 8.33        | 20.8          | 85.5          | 4.95          | 174            | 712               | 351       | 123    | 51    |
| DF                |     | 17                  | 5     | 87        | 103            | 8.934       | 14.08        | 19.65       | 25.3          | 101.8         | 14.15         | 496            | 2,001             | 1,004     | 352    | 142   |
| DF                |     | 18                  | 1     | 86        | 108            | 1.594       | 2.82         | 3.19        | 33.4          | 130.0         | 3.04          | 107            | 414               | 216       | 76     | 29    |
| DF                |     | 19                  | 6     | 85        | 99             | 8.582       | 16.90        | 21.46       | 26.5          | 96.0          | 16.21         | 569            | 2,060             | 1,151     | 404    | 146   |
| DF                |     | 20                  | 2     | 87        | 105            | 2.582       | 5.63         | 6.45        | 32.5          | 130.0         | 5.97          | 209            | 839               | 424       | 149    | 60    |
| DF                |     | 21                  | 4     | 88        | 108            | 4.684       | 11.27        | 11.71       | 37.0          | 152.0         | 12.35         | 433            | 1,780             | 877       | 308    | 126   |
| DF                |     | 23                  | 4     | 88        | 92             | 3.904       | 11.27        | 7.81        | 49.1          | 183.8         | 10.92         | 383            | 1,435             | 775       | 272    | 102   |
| DF                |     | 24                  | 1     | 83        | 92             | .896        | 2.82         | 1.79        | 52.8          | 165.0         | 2.70          | 95             | 296               | 192       | 67     | 21    |
| DF                |     | 25                  | 4     | 83        | 104            | 3.305       | 11.27        | 7.44        | 55.2          | 213.3         | 11.69         | 410            | 1,586             | 830       | 291    | 113   |
| DF                |     | 26                  | 1     | 82        | 123            | .764        | 2.82         | 2.29        | 51.1          | 213.3         | 3.34          | 117            | 489               | 237       | 83     | 35    |
| DF                |     | 28                  | 1     | 83        | 132            | .659        | 2.82         | 1.98        | 62.5          | 270.0         | 3.52          | 123            | 533               | 250       | 88     | 38    |
| DF                |     | Totals              | 49    | 84        | 78             | 110.314     | 138.00       | 189.32      | 22.9          | 87.3          | 123.43        | 4,331          | 16,523            | 8,764     | 3,075  | 1,173 |
| RA                |     | 12                  | 1     | 82        | 55             | 3.561       | 2.80         | 3.56        | 16.7          | 50.0          | 1.63          | 59             | 178               | 116       | 42     | 13    |
| RA                |     | 13                  | 5     | 86        | 77             | 15.171      | 13.98        | 27.31       | 14.7          | 51.1          | 11.04         | 402            | 1,396             | 784       | 285    | 99    |
| RA                |     | 14                  | 4     | 87        | 58             | 10.465      | 11.19        | 15.70       | 16.0          | 51.7          | 6.89          | 250            | 811               | 489       | 178    | 58    |
| RA                |     | 15                  | 3     | 85        | 83             | 6.837       | 8.39         | 13.67       | 18.9          | 68.3          | 7.12          | 259            | 934               | 506       | 184    | 66    |
| RA                |     | 16                  | 3     | 86        | 79             | 6.009       | 8.39         | 12.02       | 21.6          | 83.3          | 7.15          | 260            | 1,002             | 508       | 185    | 71    |
| RA                |     | 17                  | 5     | 82        | 68             | 8.872       | 13.98        | 14.19       | 24.1          | 76.2          | 9.43          | 343            | 1,082             | 669       | 243    | 77    |
| RA                |     | 18                  | 7     | 86        | 80             | 11.262      | 19.58        | 22.52       | 28.0          | 100.6         | 17.36         | 631            | 2,265             | 1,232     | 448    | 161   |
| RA                |     | 19                  | 2     | 87        | 64             | 2.919       | 5.59         | 4.34        | 32.8          | 113.1         | 3.92          | 142            | 491               | 278       | 101    | 35    |
| RA                |     | 20                  | 3     | 87        | 74             | 3.912       | 8.39         | 7.82        | 32.3          | 106.6         | 6.95          | 253            | 834               | 493       | 179    | 59    |
| RA                |     | 22                  | 1     | 86        | 77             | 1.059       | 2.80         | 2.12        | 41.6          | 135.0         | 2.42          | 88             | 286               | 172       | 63     | 20    |
| RA                |     | 23                  | 1     | 82        | 61             | .969        | 2.80         | 1.94        | 33.2          | 135.0         | 1.77          | 64             | 262               | 126       | 46     | 19    |
| RA                |     | 24                  | 1     | 66        | 71             | .890        | 2.80         | 1.78        | 19.4          | 75.0          | .95           | 35             | 134               | 68        | 25     | 9     |
| RA                |     | 29                  | 1     | 86        | 60             | .610        | 2.80         | 1.22        | 60.8          | 230.0         | 2.04          | 74             | 280               | 145       | 53     | 20    |
| RA                |     | Totals              | 37    | 85        | 72             | 72.536      | 103.48       | 128.20      | 22.3          | 77.7          | 78.67         | 2,861          | 9,955             | 5,585     | 2,031  | 707   |
| NF                |     | 27                  | 1     | 92        | 110            | .377        | 1.50         | 1.13        | 53.3          | 263.3         | 1.45          | 60             | 298               | 103       | 43     | 21    |
| NF                |     | 28                  | 1     | 94        | 103            | .351        | 1.50         | .70         | 84.9          | 410.0         | 1.43          | 60             | 288               | 102       | 42     | 20    |
| NF                |     | Totals              | 2     | 93        | 107            | .728        | 3.00         | 1.83        | 65.4          | 319.5         | 2.88          | 120            | 586               | 204       | 85     | 42    |
| OC                |     | 11                  | 1     | 80        | 44             | 3.536       | 2.33         |             |               |               |               |                |                   |           |        |       |
| OC                |     | 13                  | 1     | 75        | 38             | 2.531       | 2.33         |             |               |               |               |                |                   |           |        |       |
| OC                |     | 25                  | 1     | 85        | 67             | .684        | 2.33         |             |               |               |               |                |                   |           |        |       |
| OC                |     | Totals              | 3     | 79        | 44             | 6.752       | 7.00         |             |               |               |               |                |                   |           |        |       |
| Totals            |     | 91                  |       | 84        | 75             | 190.330     | 251.48       | 319.35      | 22.9          | 84.7          | 204.97        | 7311           | 27,063            | 14,553    | 5,191  | 1,922 |



"STEWARDSHIP IN FORESTRY"

## EDWARD'S BSM

### Volume Summary

| Unit 1-Modified Clearcut |              |               |        |             |
|--------------------------|--------------|---------------|--------|-------------|
| 105 acres                |              |               |        |             |
| SPECIES                  | Cruised Net  | Cruised Net   | Hidden | Net Sale    |
|                          | MBF/ Acre    | MBF           | D&B    | MBF         |
| Douglas-fir              | 12.38        | 1300          | 1%     | 1287        |
| Hemlock                  | 0.15         | 16            | 1%     | 16          |
| Spruce                   |              | 0             | 1%     | 0           |
| Noble Fir                |              | 0             | 1%     | 0           |
| Alder                    | 9.23         | 969           | 2%     | 950         |
| <b>TOTAL</b>             | <b>21.77</b> | <b>2285.0</b> |        | <b>2253</b> |

| Unit 2-Modified Clearcut |              |             |        |            |
|--------------------------|--------------|-------------|--------|------------|
| 28 acres                 |              |             |        |            |
| SPECIES                  | Cruised Net  | Cruised Net | Hidden | Net Sale   |
|                          | MBF/ Acre    | MBF         | D&B    | MBF        |
| Douglas-fir              | 28.59        | 800         | 1%     | 792        |
| Hemlock                  |              | 0           | 1%     | 0          |
| Spruce                   |              | 0           | 1%     | 0          |
| Noble Fir                |              | 0           | 1%     | 0          |
| Alder                    | 6.80         | 190         | 2%     | 186        |
| <b>TOTAL</b>             | <b>35.39</b> | <b>990</b>  |        | <b>978</b> |

| Unit 3- Modified Clearcut |              |             |        |             |
|---------------------------|--------------|-------------|--------|-------------|
| 106 acres                 |              |             |        |             |
| SPECIES                   | Cruised Net  | Cruised Net | Hidden | Net Sale    |
|                           | MBF/ Acre    | MBF         | D&B    | MBF         |
| Douglas-fir               | 17.16        | 1819        | 1%     | 1801        |
| Hemlock                   | 0.04         | 5           | 1%     | 5           |
| Spruce                    |              | 0           | 1%     | 0           |
| Noble Fir                 |              | 0           | 1%     | 0           |
| Alder                     | 7.44         | 789         | 2%     | 773         |
| <b>TOTAL</b>              | <b>24.65</b> | <b>2613</b> |        | <b>2579</b> |



"STEWARDSHIP IN FORESTRY"

## EDWARD'S BSM

### Volume Summary

| Areas 4-Harvest Type |             |             |        |          |
|----------------------|-------------|-------------|--------|----------|
| 71 acres             |             |             |        |          |
| SPECIES              | Cruised Net | Cruised Net | Hidden | Net Sale |
|                      | MBF/ Acre   | MBF         | D&B    | MBF      |
| Douglas-fir          | 16.5        | 1173        | 1%     | 1161     |
| Hemlock              |             | 0           | 1%     | 0        |
| Spruce               |             | 0           | 1%     | 0        |
| Noble Fir            |             | 0           | 1%     | 0        |
| Alder                | 10.0        | 707         | 2%     | 693      |
| TOTAL                | 26.5        | 1880        |        | 1854     |



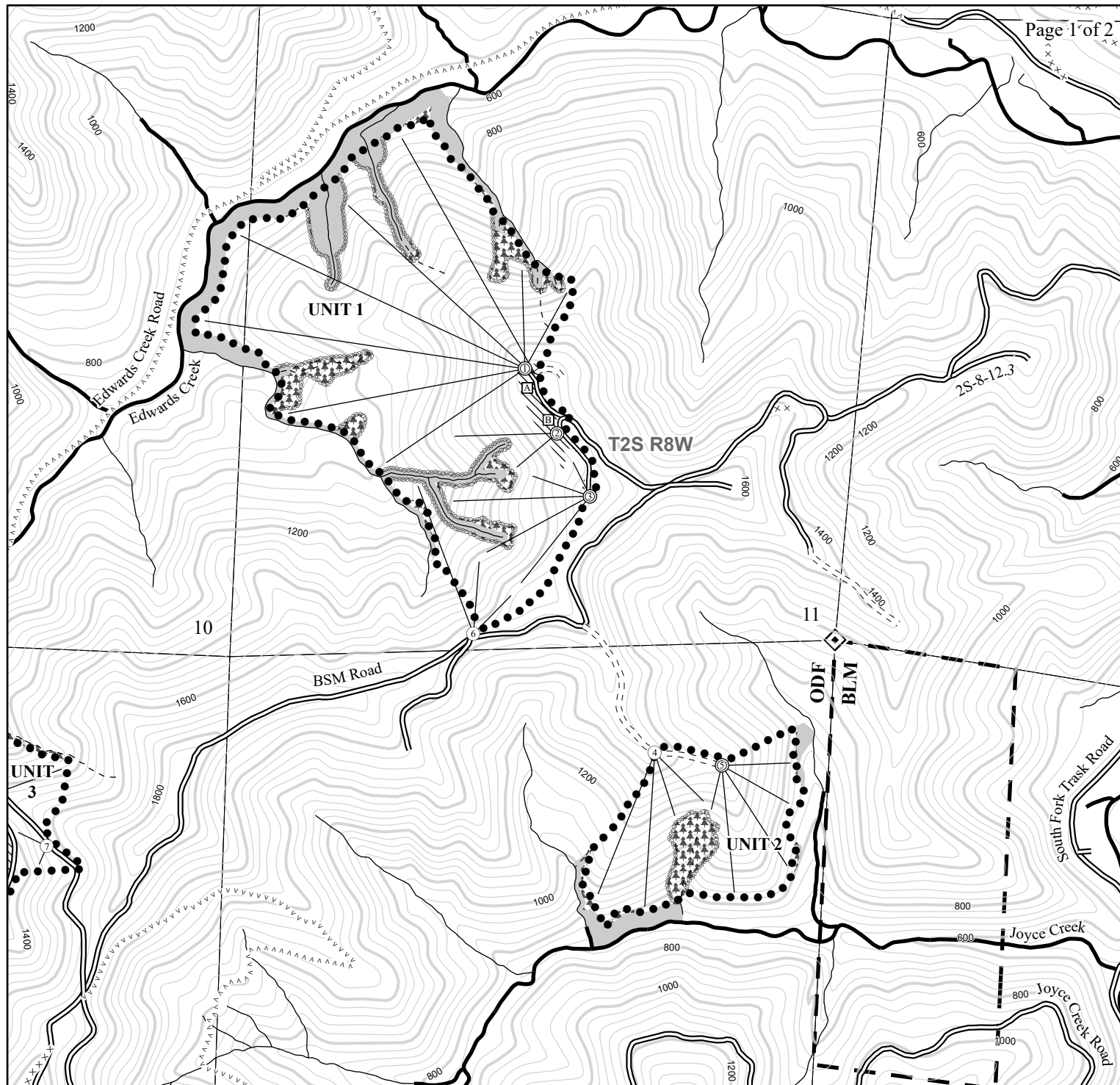
"STEWARDSHIP IN FORESTRY"

## **EDWARD'S BSM**

### **Volume Summary**

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| <b>TOTAL SALE VOLUME</b> |                          |                       |
|--------------------------|--------------------------|-----------------------|
|                          | <b>310</b>               | <b>acres</b>          |
| <b>SPECIES</b>           | <b>Cruised Net (MBF)</b> | <b>Net Sale (MBF)</b> |
| Douglas-fir              | 5092                     | 5041                  |
| Hemlock                  | 21                       | 21                    |
| Spruce                   | 0                        | 0                     |
| Noble Fir                | 0                        | 0                     |
| Red Alder                | 2655                     | 2602                  |
| <b>TOTAL</b>             | <b>7768</b>              | <b>7664</b>           |



### Legend

- Ground
- Landing To Be Constructed
- Landing Existing
- Timber Sale Boundary
- Riparian Boundary
- Cable Logging
- Ground Based
- Riparian Buffer
- Green Tree Retention
- Type-F Stream
- Type-N Perennial Stream
- Type-N Seasonal Stream
- Surfaced Road
- Unsurfaced Road
- Abandoned Road
- Blocked Road
- 200' Contour
- 40' Contour
- Property\_Line
- Sections
- Corners

N



NET ACRES

|        | GROUND | CABLE | TOTAL |
|--------|--------|-------|-------|
| UNIT 1 | 2      | 103   | 105   |
| UNIT 2 | 0      | 28    | 28    |
| UNIT 3 | 7      | 99    | 106   |
| UNIT 4 | 0      | 71    | 71    |
| TOTAL  | 9      | 301   | 310   |

## LOGGING PLAN

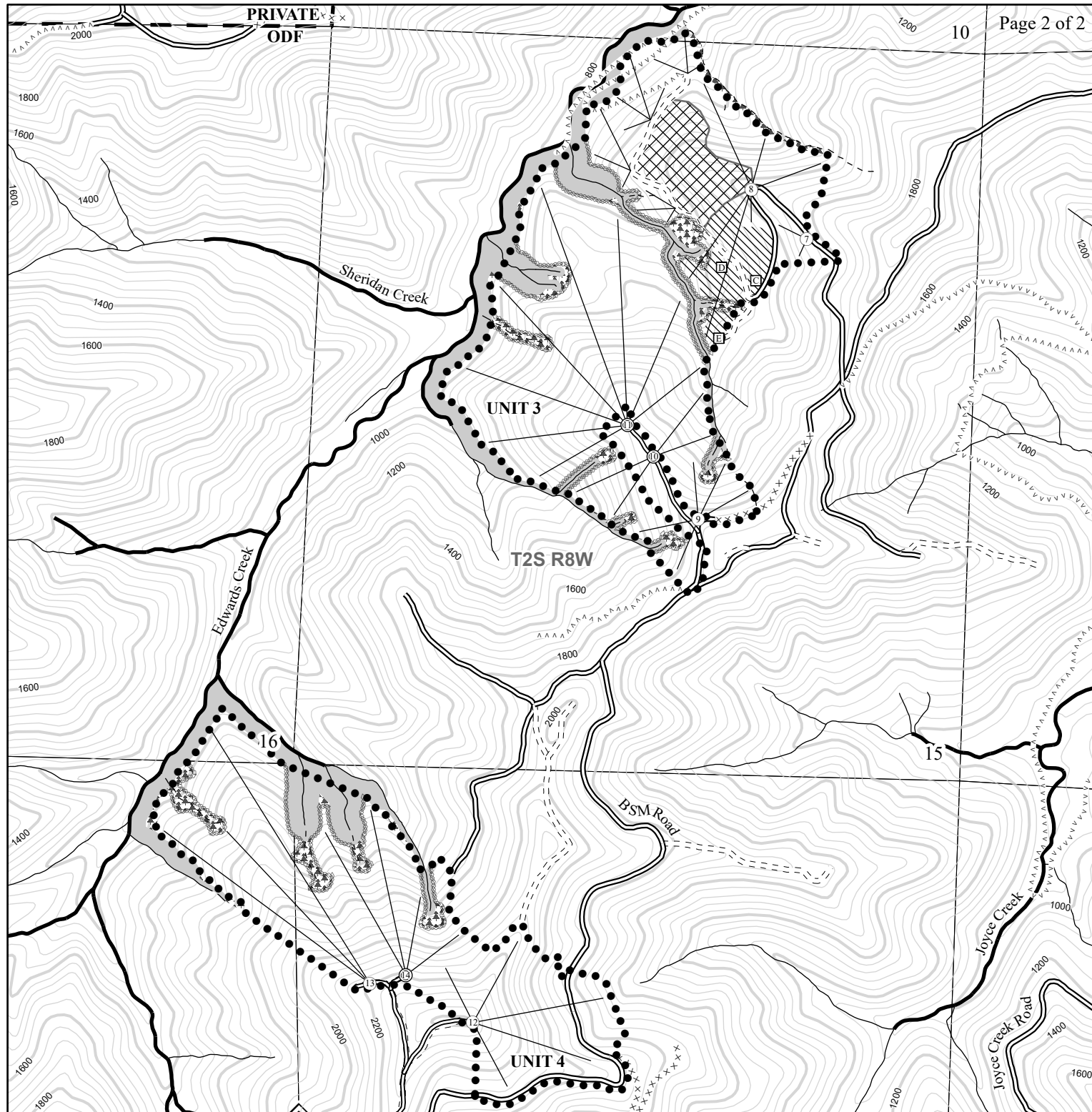
FOR TIMBER SALE CONTRACT TL-341-2025-W01149-01  
EDWARD'S BSM  
PORTIONS OF SECTIONS 10, 11, 14, 15, 16, 21, 22 of T2S R8W W.M.  
TILLAMOOK COUNTY, OREGON

Tillamook District GIS  
February 2025

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





### Legend

- Ground
- Landing To Be Constructed
- Landing Existing
- Timber Sale Boundary
- Riparian Boundary
- Cable Logging
- Ground Based
- No Harvest Other
- Riparian Buffer
- Green Tree Retention
- Type-F Stream
- Type-N Perennial Stream
- Type-N Seasonal Stream
- Surfaced Road
- Unsurfaced Road
- Abandoned Road
- Blocked Road
- 200' Contour
- 40' Contour
- Sections
- Corners

N



NET ACRES

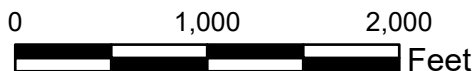
## LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01149-01  
EDWARD'S BSM  
PORTIONS OF SECTIONS 10, 11, 14, 15, 16, 21, 22 of T2S R8W W.M  
TILLAMOOK COUNTY, OREGON

Tillamook District GIS  
February 2025

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



|        | GROUND | CABLE |     |
|--------|--------|-------|-----|
| UNIT 1 | 2      | 103   | 105 |
| UNIT 2 | 0      | 28    | 28  |
| UNIT 3 | 7      | 99    | 106 |
| UNIT 4 | 0      | 71    | 71  |
| TOTAL  | 9      | 301   | 310 |