# Timber Sale Appraisal
# Edge No. 1 GNA
# Sale SW-341-2020-GF7718-01

**District: Southwest**

**Date: July 17, 2019**

## Cost Summary

| | Conifer | Hardwood | Total |
|---|---|---|---|
| **Gross Timber Sale Value** | $393,374.03 | $0.00 | $393,374.03 |
| | | **Project Work:** | ($54,356.30) |
| | | **Advertised Value:** | $339,017.73 |

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**District: Southwest** **Date: July 17, 2019**

## Timber Description

**Location:** Portions of Sections 32, 34, 35 of Township 34S R4E and Sections 3, 4, 8, 10 of T35S R4E, Willamette Meridian, Jackson County Oregon.

**Stand Stocking:** 40%

| Specie Name | AvgDBH | Amortization (%) | Recovery (%) |
|---|---|---|---|
| Douglas - Fir | 14 | 0 | 98 |
| White Fir | 16 | 0 | 95 |
| Ponderosa Pine | 12 | 0 | 90 |

| Volume by Grade | 2S | 3S & 4S 6"-11" | Camprun | Total |
|---|---|---|---|---|
| **Douglas - Fir** | 69 | 917 | 0 | 986 |
| **White Fir** | 105 | 307 | 0 | 412 |
| **Ponderosa Pine** | 0 | 0 | 367 | 367 |
| **Total** | 174 | 1,224 | 367 | 1,765 |

**Comments:** GNA Timber Sale on Southwest Oregon District. Located in Butte Falls, Or. 206 acres of tractor logging.

Logging Costs Placeholder
Incense Cedar Pond Value $675-(315.02 Logging) = 359.98

Branding and Painting Cost Allowance $2/MBF
Road Maintenance $5/MBF

Summary of Additional Costs:
Equipment weed washing $350
Temporary road closure $1,000
Seeding $1,100
Stump Treatment $6,180

Total: $8,630

Slash Disposal $2,000

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## Logging Conditions

| | | |
|---|---|---|
| **Combination#: 1** | Douglas - Fir | 100.00% |
| | White Fir | 100.00% |
| | Ponderosa Pine | 100.00% |

**Logging System:** Track Skidder **Process:** Feller Buncher

**yarding distance:** Medium (800 ft) **downhill yarding:** No

**tree size:** Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

**loads / day:** 6 **bd. ft / load:** 3700

**cost / mbf:** $184.20

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

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**District: Southwest** **Date: July 17, 2019**

## Logging Costs

| | | | |
|---|---|---|---|
| **Operating Seasons:** | 1.00 | **Profit Risk:** | 10% |
| **Project Costs:** | $54,356.30 | **Other Costs (P/R):** | $0.00 |
| **Slash Disposal:** | $2,000.00 | **Other Costs:** | $8,630.00 |

**Miles of Road**

**Road Maintenance:** $5.00

| Dirt | Rock (Contractor) | Rock (State) | Paved |
|---|---|---|---|
| 0.0 | 0.0 | 5.0 | 0.0 |

**Hauling Costs**

| Species | $ / MBF | Trips/Day | MBF / Load |
|---|---|---|---|
| Douglas - Fir | $0.00 | 3.0 | 3.7 |
| White Fir | $0.00 | 3.0 | 3.9 |
| Ponderosa Pine | $0.00 | 3.0 | 3.5 |


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**District: Southwest** **Date: July 17, 2019**

## Logging Costs Breakdown

| Logging | Road Maint | Fire Protect | Hauling | Other P/R appl | Profit & Risk | Slash Disposal | Brand & Paint | Other | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Douglas - Fir** | | | | | | | | | |
| $184.20 | $5.10 | $2.49 | $87.30 | $0.00 | $27.91 | $1.13 | $2.00 | $4.89 | $315.02 |
| **White Fir** | | | | | | | | | |
| $184.20 | $5.25 | $2.49 | $85.26 | $0.00 | $27.72 | $1.13 | $2.00 | $4.89 | $312.94 |
| **Ponderosa Pine** | | | | | | | | | |
| $184.20 | $5.50 | $2.49 | $99.53 | $0.00 | $29.17 | $1.13 | $2.00 | $4.89 | $328.91 |

| Specie | Amortization | Pond Value | Stumpage | Amortized |
|---|---|---|---|---|
| Douglas - Fir | $0.00 | $650.00 | $334.98 | $0.00 |
| White Fir | $0.00 | $425.00 | $112.06 | $0.00 |
| Ponderosa Pine | $0.00 | $375.00 | $46.09 | $0.00 |

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**District: Southwest** **Date: July 17, 2019**

## Summary

**Amortized**

| Specie | MBF | Value | Total |
|---|---|---|---|
| Douglas - Fir | 0 | $0.00 | $0.00 |
| White Fir | 0 | $0.00 | $0.00 |
| Ponderosa Pine | 0 | $0.00 | $0.00 |

**Unamortized**

| Specie | MBF | Value | Total |
|---|---|---|---|
| Douglas - Fir | 986 | $334.98 | $330,290.28 |
| White Fir | 412 | $112.06 | $46,168.72 |
| Ponderosa Pine | 367 | $46.09 | $16,915.03 |

**Gross Timber Sale Value**

**Recovery:** $393,374.03

**Prepared By:** Kyle Syfert **Phone:** 541-471-4252

**PROJECT SUMMARY**

Purchaser would only be reimbursed for projects accomplished to specifications. For Example, winter logging on frozen ground would not require dust abatement.

**Project 1**

| Surface Replacement (Repairing Potholes) 190 CY on 32/37 Road ($4.88/MBF/Mile) T-813 | Yards | $/Yard | $/Load | | | |
|---|---|---|---|---|---|---|
| Rock $15/Yard | 190 | $20.00 | | $3,800.00 | | |
| Hauling 30 Miles Round Trip ($2/Mile* 19 trips) | 190 | $6.00 | $60 | $1,140.00 | | |
| Water, Scarify Potholes, Rock and Compact Rock. | 190 | $19.37 | | $3,680.30 | | |
| *Scallon Bros. Managed Pits near Butte Falls. | 190 | $45.37 | | $8,620.30 | Subtotal | $8,620.30 |

Rock Spec Size 1.5"-0" would cover 2,567' at 2" depth and 12' running surface

**Project 2**

| Road Grading/Blading T-811 | Miles | Times Graded | $/Mile | | | |
|---|---|---|---|---|---|---|
| 32 Road | 6.6 | 2 | $300 | $3,960 | | |
| 3240 Road | 3.2 | 1 | $300 | $960 | | |
| 37 road | 8.8 | 2 | $300 | $5,280 | | |
| Move-In Grader | | | | $500 | | |
| | | | | $10,700 | Subtotal | $10,700 |

Grade road as needed, before, during and after logging. Appraised for twice graded.

**Project 3**

| Road Brushing T-842 | Miles | $/Mile | | | |
|---|---|---|---|---|---|
| 32 Road | 6.6 | $500 | $3,300 | | |
| 3240 Road | 0 | $500 | $0 | | |
| 37 road | 8.8 | $500 | $4,400 | | |
| Brushing by hand | | | $7,700 | Subtotal | $7,700 |

**Project 4**

| Dust Abatement T-812 | 1 Trips/day | | | MPH 10 | Refill Time Hours/Day | Refill | |
|---|---|---|---|---|---|---|---|
| | Miles | Days | $/hour | $/Road Mile | | | Total |
| 32 Road to 46 and 72 | 6.6 | 10 | $90 | $59 | 3.30 | $2,970 | $3,564 |
| 3240 Road to 72 | 3.2 | 5 | $90 | $29 | 1.60 | $720 | $864 |
| 37 road to 60, 68, 70 and 71 | 8.8 | 15 | $90 | $79 | 4.40 | $5,940 | $7,128 |
| Move-In | | 1 | $ 250 | | | | $250 |

Water = 3,520 gallons per mile (1/2 gallon per yard). Water in the morning or at night. Use Nearest Water Source.

Subtotal $11,806

**Project 5**

| Marking Timber | $/MBF | MBF left to Mark | Subtotal | $13,330 |
|---|---|---|---|---|
| See Marking Guidelines | $10 | 1,333 | | |

**Project 6**

| Subsoiling, Waterbarring - Temporary Roads, Skid Roads | 11 | $200 | Subtotal | $2,200 |
|---|---|---|---|---|
| The main skid roads shall be subsoiled to a depth of at least 20". | | | | |
| Pull slash back across subsoiled skid road for 60% coverage of exposed mineral soil. | | | | |

Total $54,356.30

**SUMMARY OF ADDITIONAL COSTS**

| **Additional Projects No Profit and Risk** | | | | | |
|---|---|---|---|---|---|
| | Machine | Hours | $/Hour | | |
| Equipment Weed Wash | 7 | 7 | 50 | Subtotal | $350 |
| All Road Maintenance and Logging Equipment would be cleaned prior to entering the Timber Sale Area and Hauling Vicinity. | | | | | |
| | Berms | Hours | $/Hour | | |
| Temporary Road Closure (T-835) | 40 | 10 | $100 | Subtotal | $1,000 |
| | | Miles | $/Mile | | |
| Seeding | | Miles | $/Mile | | |
| Purchaser will be required to seed skid trails, temporary roads and landings. See Exhibit E for Instructions. | | 11 | $100 | Subtotal | $1,100 |
| Stump Treatment Annosus Root Rot | Acres | | $/Acre | | |
| Treat true fir and hemlock Stumps over 12" | 206 | | $30 | Subtotal | $6,180 |
| Note, units 1-46, 5-71 and 6-72 have only minor amounts of these species. | | | | | |
| | | | | Total | $8,630 |

**Slash Disposal**

| Landing Piling and Firewood Sorting. | Piles | Hours | $/Hour | | |
|---|---|---|---|---|---|
| | 20 | 20 | $100 | Total | $2,000 |
| All piles shall be covered with 4 mil black polyethylene. | | | | | |

# TIMBER SALE SUMMARY

1. **Type of Sale:** Recovery sale, sealed bid auction of 206 acres of thinning.

2. **Revenue Distribution:** USFS regional agreement 18-GN-11061000-048
   Project GF7718-07 PCA 2604

3. **Sale Acreage:** For the sale, 206 net acres were used for the cruise expansion. Acreage was determined with ArcGIS 10.6 and GPS traverse.

4. **Volume:** The table below describes the volume by grade over the six unit sale area. A more detailed look is available in the cruise summary. Pine is broken out by approximate grade but was appraised as camprun. The majority of volume is in Douglas-fir and white fir.

| SPECIES | 2 SAW | 3 SAW | 4 SAW | CR | NET VOL (MBF) |
|---|---|---|---|---|---|
| Douglas-fir | 69 | 682 | 234 | | 985.4 |
| White Fir | 105 | 205 | 102 | | 412.4 |
| Ponderosa Pine | | | | 367 | 367.1 |
| **Total** | **174** | **887** | **336** | **367** | **1,765** |

5. **Cruise Data**: The total volume above is measured to 10.64% sampling error, meaning the actual volume will fall between 1,577.2 MBF and 1,952.8 MBF (68% of the time). The volume of individual species or sale areas will be more variable due to the smaller sample compared to the total volume sample. See the cruise report for more detail. Additional SuperAce reports available upon request.

6. **Timber Description:** These stands are plantations started in the 1950's and 1960's with mixed conifer of Douglas-fir, True Fir and "offsite Pine". The trees are 70 to 100' tall with the White fir the largest and the pine the smallest. The average DBH for take trees are: Douglas-fir 14", White Fir 16" and Ponderosa Pine 12". The cruise report gives a breakdown of log lengths and scaling diameters by species for the combined cruise. The timber has been marked in Area 3-68 and 6-72 to remove the smaller trees in suppressed and intermediate canopy positions and to release dominant and co-dominant trees and improve the quality of the residual stand. All other units in the sale have 3 acre demonstration areas marked. Purchaser is responsible for marking the remainder of the sale prior to logging.

7. **Topography and Logging Method:** The sale areas are all ground-based logging with slopes less than 30%. The preferred logging method is with a harvester or feller buncher able to bunch logs in skid roads working in conjunction with a skidder or forwarder. The sale may be logged when dry or frozen ground winter logging.

8. **Access:** All hauling routes are located on Federal ground and County Roads. Access is secured. Road surfacing, blading and dust abatement are all described in in the sale prospectus, maps and exhibits.

9. **Projects:** See project Summary. Projects include Road Surfacing, grading and brushing. Dust abatement, marking timber and road vacation (subsoiling, waterbarring etc.). Total costs for these projects is $54,536.30. Due to the seasonality of some of these projects, it may not be necessary to complete them all. The project credit will be adjusted accordingly. There are other costs as shown below.

10. **Road Maintenance:** The appraisal includes $5.10/MBF for road maintenance (grading, pulling ditches, etc.).

11. **Other Costs:** Additional costs were appraised for equipment weed washing, temporary road closure, grass seeding and Stump Treatment, totaling $8,630.

12. **Slash Disposal:** Purchaser will pile slash on landings with an excavator or log loader, sorting out firewood into a separate piles. The appraisal includes $2,000 for machine piling on the landings. USFS will burn the slash piles.

# OREGON DEPARTMENT of FORESTRY CRUISE REPORT

1. **Acreage Calculation:** For the Edge No. 1 Timber Sale, there are 206 net cruise acres in the sale area determined by a combination of GPS traverse waypoints and ArcGIS 10.6 software. Net acres do not include the riparian management areas, regeneration areas within the stand, and non-stocked areas which were not cruised.

2. **Cruise Method:** The Edge timber sale was cruised by ODF during the Fall and Winter of 2018/2019. A variable plot cruise was conducted on the sale area.

3. **RIGHT of WAY VOLUMES**: There is currently no right of way volume associated with this sale.

4. **Sampling Intensity**:
   # Plots 108 Total Plots (49 Measured, 59 Count Plots)

   CV (BDFT) 181.5% (take)
   SE (BDFT) 10.64% (take)

   As per ODF standards, total harvest volume of conifers and hardwoods ("take" trees) is estimated to be 1,765 MBF ± 187.8 MBF at the 68% confidence level and a sampling error of 10.64%*. 68 times out of 100 the volume estimate will be within range of error specified.

5. **Computation Procedures:** Volume was computed using the SuperACE cruise program. Volumes reported are based on the Scribner Log Rule (West).

6. **Form Factors:** Form factors (a ratio of diameter at 4 and 16 feet) were sampled across the diameter distribution in all strata. Those form factors which were not measured were estimated by SuperACE.

7. **Height Standards:** Most conifer trees were measured for total height with a laser rangefinder.

8. **Diameter standards:** Diameters were measured outside bark at breast height to the nearest inch.

9. **Grading System:** Trees were graded primarily as 34 foot segments lengths and according to the Official Log Scaling and Grading Rules published by the Northwest Log Rules Advisory Group.

10. **Merchantable top:** Conifer were graded to a merchantable top specified by the official log scaling rules. For all species except pine, 2S segments were graded to a 12" top inside bark, 3S to a 6" top, and 4S to a 5" top (inside bark). Pine 4S logs were graded to a 12" top inside bark, 5S to a 6" top, and 6S to a 5" top (inside bark).

11. **Deductions for Cull, Defect and Breakage:** All visible field cull was removed in the cruise computation. Additional volume was deducted for the anticipated amount of hidden cull and breakage during logging. The estimated volume reduction used for this anticipated loss to volume was 4%.

12. **Cruisers:** Cruising was performed by Chris Rudd and Kyle Syfert.

*ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale volume calculations. Additional SuperAce Reports available upon request.

Reviewed by /s Chris Rudd, Unit Forester: 7/22/2019

# VOLUME SUMMARY

| | | CRUISE VOLUME /ACRE | | | | ADJUSTED VOLUME MBF/A * | | |
|---|---|---|---|---|---|---|---|---|
| **Species (Take)** | Unit | 2 Saw (4S PP) | 3 Saw (5S PP) | 4 Saw (6S PP) | Cruise Vol/Acre | 2 Saw (4S PP) | 3 Saw (5S PP) | 4 Saw (6S PP) |
| DF | 46 | 0 | 723 | 181 | 904 | 0 | 694 | 174 |
| PP | 46 | 931 | 1,132 | 222 | 2,285 | 894 | 1,087 | 213 |
| DF | 60 | 164 | 3,609 | 1,234 | 5,007 | 157 | 3,465 | 1,185 |
| WF, GF, SRF | 60 | 0 | 1,566 | 509 | 2,075 | 0 | 1,503 | 489 |
| PP | 60 | 0 | 264 | 258 | 522 | 0 | 253 | 248 |
| DF | 68 | 1,132 | 1,432 | 882 | 3,446 | 1,087 | 1,375 | 847 |
| WF, GF, SRF | 68 | 0 | 1,142 | 228 | 1,370 | 0 | 1,096 | 219 |
| PP | 68 | 0 | 2,685 | 960 | 3,645 | 0 | 2,578 | 922 |
| DF | 70 | 444 | 4,912 | 1,228 | 6,584 | 426 | 4,716 | 1,179 |
| WF, GF, SRF | 70 | 3,290 | 1,658 | 1,713 | 6,661 | 3,158 | 1,592 | 1,644 |
| DF | 71 | 818 | 5,318 | 2,171 | 8,307 | 785 | 5,105 | 2,084 |
| PP | 71 | 439 | 3,090 | 1,149 | 4,678 | 421 | 2,966 | 1,103 |
| DF | 72 | 0 | 306 | 102 | 408 | 0 | 294 | 98 |
| PP | 72 | 0 | 4,363 | 1,286 | 5,649 | 0 | 4,188 | 1,235 |
| **Sale Volume** | | 7,218 | 32,200 | 12,123 | 51,541 | 6,929 | 30,912 | 11,638 |

*4% Hidden Cull and Breakage factored in for all areas.

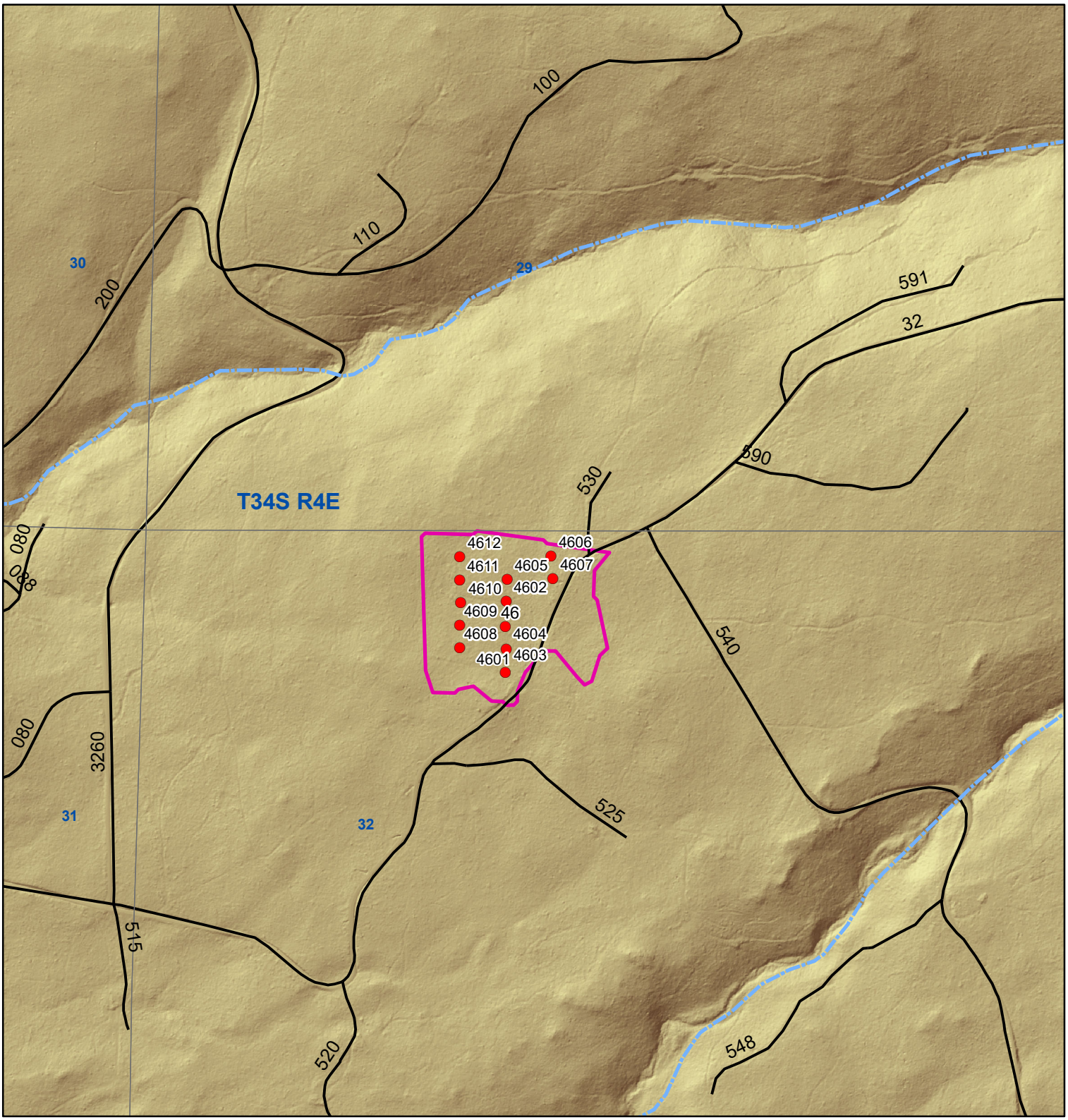
| SALE VOLUME BY GRADE MBF | | | | | | |
|---|---|---|---|---|---|---|
| **Species** | 2 Saw | 3 Saw | 4 Saw | 5 Saw | 6 Saw | Total |
| DF | 69,378 | 682,123 | 233,943 | 0 | 0 | 985,444 |
| WF, GF, SRF | 105,175 | 204,922 | 102,339 | 0 | 0 | 412,436 |
| PP | 0 | 0 | 31,047 | 241,316 | 94,790 | 367,154 |
| **Sale Volume** | 174,553 | 887,045 | 367,329 | 241,316 | 94,790 | 1,765,033 |

| GRADE BY PERCENTAGE | | | | | | |
|---|---|---|---|---|---|---|
| | 2 Saw | 3 Saw | 4 Saw | 5 Saw | 6 Saw | Total |
| DF | 4% | 39% | 13% | 0% | 0% | 985,444 |
| WF,GF, SRF | 6% | 12% | 6% | 0% | 0% | 412,436 |
| PP | 0% | 0% | 2% | 14% | 5% | 367,154 |
| **Sale Volume** | 10% | 50% | 21% | 14% | 5% | 1,765,033 |

| VOLUME BY UNIT MBF** | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Unit** | **Acres** | 2 Saw | 3 Saw | 4 Saw | 5 Saw | 6 Saw | Total |
| 46 | 18.8 | 0 | 13,049 | 20,069 | 20,430 | 4,007 | 57,555 |
| 60 | 91.5 | 14,406 | 454,572 | 153,105 | 23,190 | 22,663 | 667,935 |
| 68 | 13.1 | 14,236 | 32,371 | 13,959 | 33,767 | 12,073 | 106,406 |
| 70 | 33.3 | 119,369 | 210,030 | 94,018 | 0 | 0 | 423,416 |
| 71 | 33.8 | 26,542 | 172,558 | 84,689 | 100,264 | 37,283 | 421,337 |
| 72 | 15.2 | 0 | 4,465 | 1,488 | 63,665 | 18,765 | 88,384 |
| **Sale Volume** | 205.7 | 174,553 | 887,045 | 367,329 | 241,316 | 94,790 | 1,765,033 |

** Volume Estimates by Unit are not as accurate as the total sale volume. Cutout volumes will be more accurate for the total volume than individual units. ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale. These volumes reflect merchantable saw logs. A small amount of pulp logs could be harvested from the sale area, particularly in the sub-merch pine species.

Additional SuperAce Reports are available upon request.



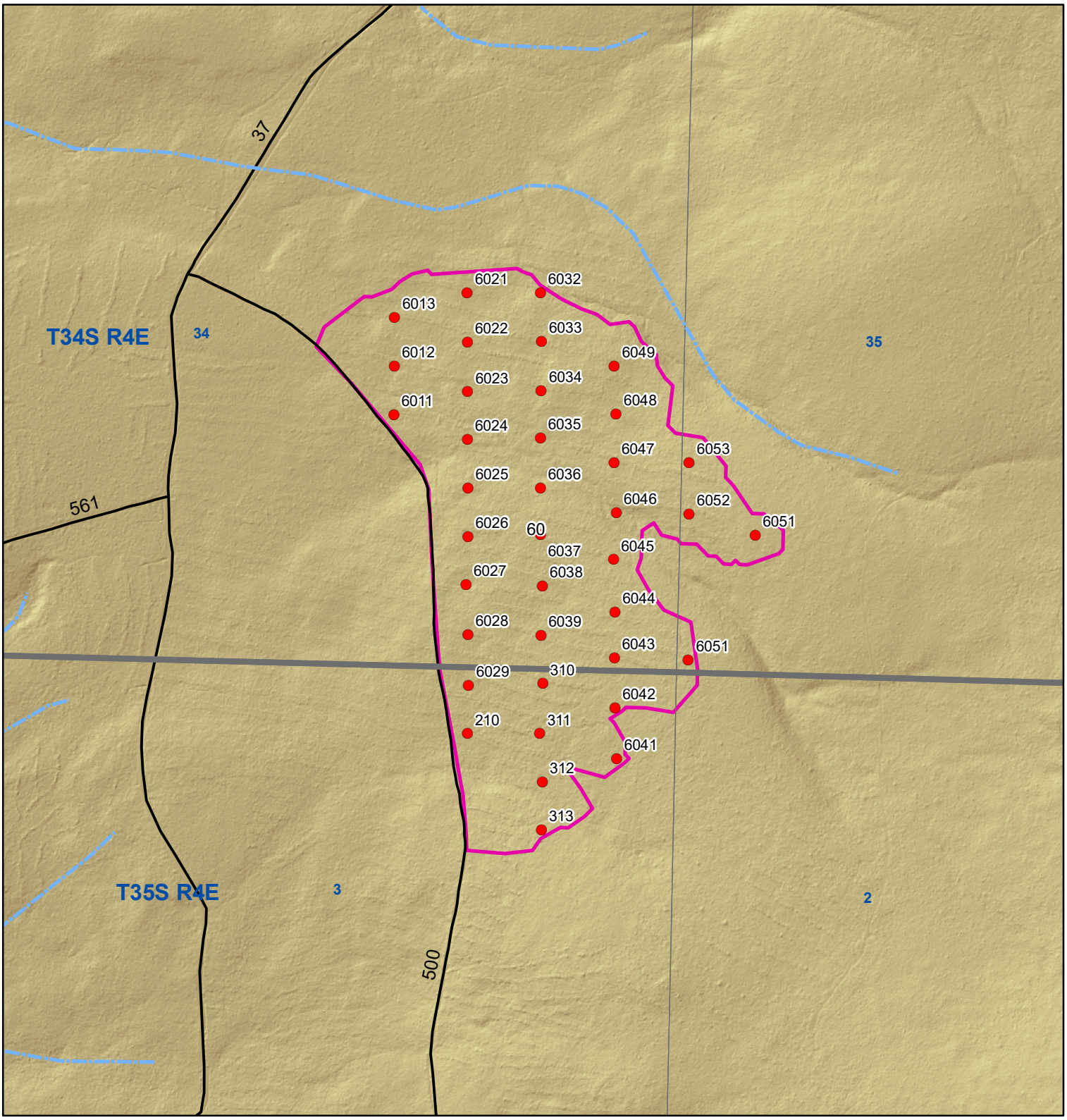

Cruise Map
Edge No. 1 GNA - Timber Sale
SW-341-2020-GF7718-01
Area 1-46
Cruise Plot Locations
T34S R4E Sections 32
Jackson County, OR

Cruise Acres
46 = 18.8 Ac, 60 = 91.5 Ac
68 = 13.1 Ac, 70 = 33.3 Ac
71 = 33.8 Ac, 72 = 15.2 Ac

N

1:9,280

0 315 630 1,260 Feet



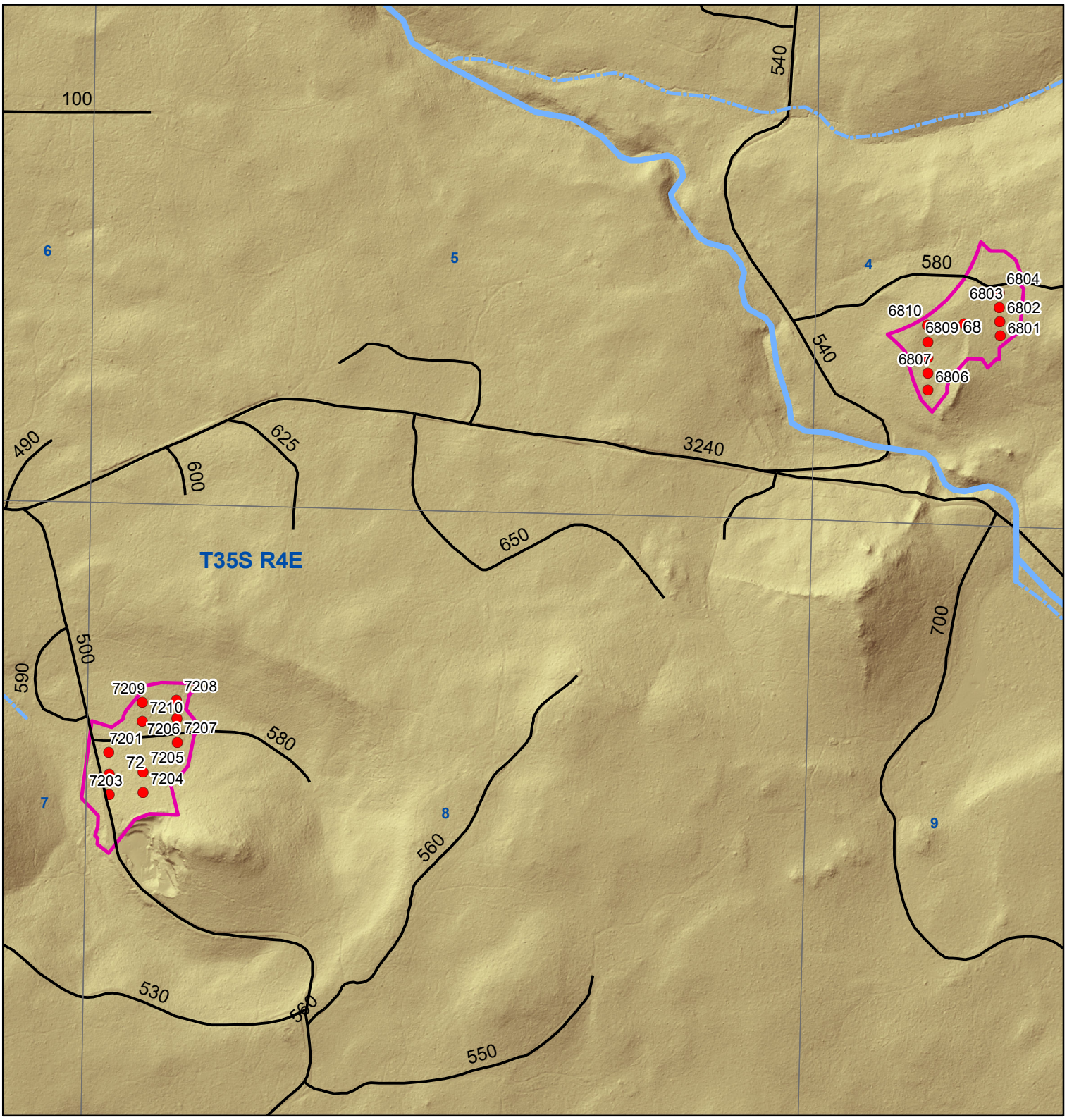

Cruise Map
Edge No. 1 GNA - Timber Sale
SW-341-2020-GF7718-01
Area 2-60
Cruise Plot Locations
T34S R4E Sections 34, 35
T35S R4E Sections 2, 3
Jackson County, OR

Cruise Acres
46 = 18.8 Ac, 60 = 91.5 Ac
68 = 13.1 Ac, 70 = 33.3 Ac
71 = 33.8 Ac, 72 = 15.2 Ac

N

1:8,717

0 295 590 1,180 Feet



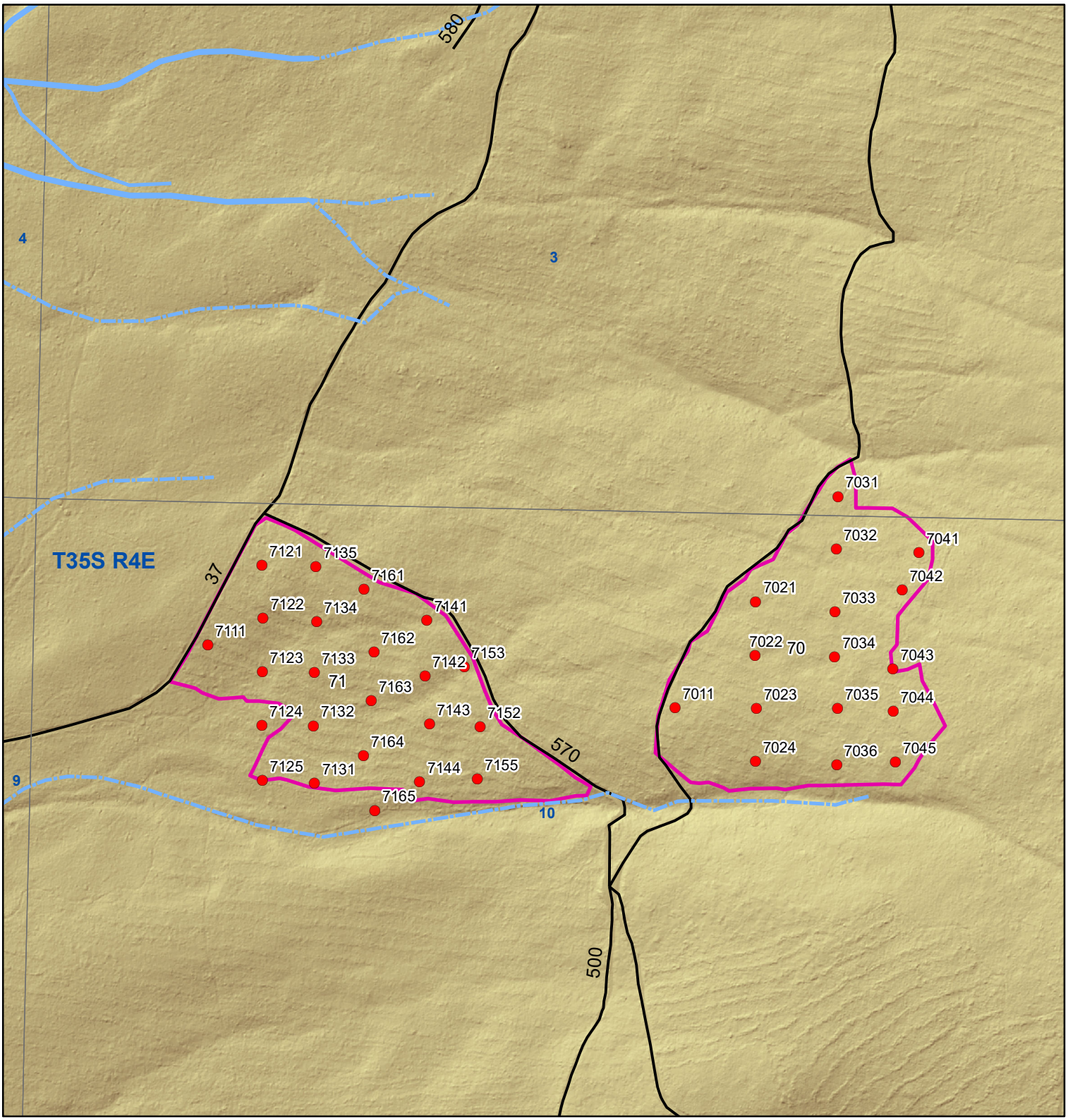

Cruise Map
Edge No. 1 GNA - Timber Sale
SW-341-2020-GF7718-01
Areas 3-68, 6-72
Cruise Plot Locations
T35S R4E Sections 4 and 8
Jackson County, OR

Cruise Acres
46 = 18.8 Ac, 60 = 91.5 Ac
68 = 13.1 Ac, 70 = 33.3 Ac
71 = 33.8 Ac, 72 = 15.2 Ac

N

1:12,000

0 410 820 1,640
Feet




Cruise Map
Edge No. 1 GNA - Timber Sale
SW-341-2020-GF7718-01
Areas 4-70, 5-71
Cruise Plot Locations
T35S R4E Section 10
Jackson County, OR

Cruise Acres
46 = 18.8 Ac, 60 = 91.5 Ac
68 = 13.1 Ac, 70 = 33.3 Ac
71 = 33.8 Ac, 72 = 15.2 Ac

N

1:8,000

0 270 540 1,080 Feet

TC TSTATS

# STATISTICS

PROJECT EDGE



DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0046 | 19.00 | 12 | 55 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 12 | 55 | 4.6 | | |
| CRUISE | 5 | 29 | 5.8 | 2,930 | 1.0 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 7 | 26 | 3.7 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 8 | 67.9 | 15.0 | 85 | 21.5 | 83.3 | 10,506 | 10,506 | 2,533 | 2,533 |
| DOUG FIR-T | 3 | 10.8 | 13.0 | 73 | 2.8 | 10.0 | 904 | 904 | 252 | 252 |
| PONDEROS-L | 4 | 13.4 | 16.5 | 87 | 4.9 | 20.0 | 2,285 | 2,285 | 593 | 593 |
| PONDEROS-T | 11 | 48.9 | 14.6 | 68 | 14.8 | 56.7 | 4,971 | 4,971 | 1,381 | 1,381 |
| CON FIR-L | 2 | 4.6 | 16.2 | 64 | 1.7 | 6.7 | 493 | 493 | 156 | 156 |
| INC CED-L | 1 | 8.5 | 12.0 | 44 | 1.9 | 6.7 | 255 | 255 | 105 | 105 |
| **TOTAL** | *29* | *154.2* | *14.8* | *76* | *47.7* | *183.3* | *19,413* | *19,413* | *5,020* | *5,020* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

| CL: 68.1 % | COEFF | | SAMPLE TREES - BF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 32.2 | 12.1 | 152 | 173 | 193 | | | |
| DOUG FIR-T | | | 125 | 125 | 125 | | | |
| PONDEROS-L | 69.5 | 39.7 | 142 | 235 | 328 | | | |
| PONDEROS-T | 53.5 | 16.9 | 109 | 131 | 153 | | | |
| CON FIR-L | 76.1 | 71.3 | 37 | 130 | 223 | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *56.5* | *10.9* | *137* | *154* | *170* | *132* | *33* | *15* |

| CL: 68.1 % | COEFF | | SAMPLE TREES - CF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 35.8 | 13.5 | 37 | 42 | 48 | | | |
| DOUG FIR-T | | | 35 | 35 | 35 | | | |
| PONDEROS-L | 62.9 | 35.9 | 38 | 60 | 82 | | | |
| PONDEROS-T | 53.9 | 17.0 | 30 | 37 | 43 | | | |
| CON FIR-L | 71.1 | 66.6 | 14 | 41 | 68 | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *52.4* | *10.1* | *37* | *41* | *45* | *114* | *28* | *13* |

| CL: 68.1 % | COEFF | | TREES/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 66.3 | 20.0 | 54 | 68 | 81 | | | |
| DOUG FIR-T | 248.6 | 74.9 | 3 | 11 | 19 | | | |
| PONDEROS-L | 168.1 | 50.6 | 7 | 13 | 20 | | | |
| PONDEROS-T | 94.3 | 28.4 | 35 | 49 | 63 | | | |
| CON FIR-L | 346.4 | 104.3 | | 5 | 9 | | | |
| INC CED-L | 233.5 | 70.3 | 3 | 8 | 14 | | | |
| **TOTAL** | *45.6* | *13.7* | *133* | *154* | *175* | *91* | *23* | *10* |

| CL: 68.1 % | COEFF | | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 62.9 | 19.0 | 68 | 83 | 99 | | | |
| DOUG FIR-T | 248.6 | 74.9 | 3 | 10 | 17 | | | |
| PONDEROS-L | 134.8 | 40.6 | 12 | 20 | 28 | | | |
| PONDEROS-T | 87.5 | 26.4 | 42 | 57 | 72 | | | |

# STATISTICS

PROJECT EDGE



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0046 | 19.00 | 12 | 55 | S | W |

## BASAL AREA/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR. S.E.%

| | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|
| CON FIR-L | | 7 | 14 | | | |
| INC CED-L | 2 | 7 | 11 | | | |
| **TOTAL** | *160* | *183* | *207* | *77* | *19* | *9* |

## NET BF/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR.% S.E.%

| | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|
| DOUG FIR-L | 8,504 | 10,506 | 12,508 | | | |
| DOUG FIR-T | 198 | 904 | 1,610 | | | |
| PONDEROS-L | 1,377 | 2,285 | 3,193 | | | |
| PONDEROS-T | 3,616 | 4,971 | 6,327 | | | |
| CON FIR-L | | 493 | 1,007 | | | |
| INC CED-L | 76 | 255 | 434 | | | |
| **TOTAL** | *16,989* | *19,413* | *21,838* | *75* | *19* | *8* |

## NET CUFT FT/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR.% S.E.%

| | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|
| DOUG FIR-L | 2,053 | 2,533 | 3,014 | | | |
| DOUG FIR-T | 58 | 252 | 447 | | | |
| PONDEROS-L | 358 | 593 | 827 | | | |
| PONDEROS-T | 1,011 | 1,381 | 1,751 | | | |
| CON FIR-L | | 156 | 320 | | | |
| INC CED-L | 31 | 105 | 178 | | | |
| **TOTAL** | *4,402* | *5,020* | *5,639* | *73* | *18* | *8* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

**Project:** EDGE

**Page** 1
**Date** 7/12/2019
**Time** 12:09:07PM

**T35S R04E S27 T0046**

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0046 | 19.00 | 12 | 29 | S | W |

T35S R04E S27 T0046

| Spp | ST | Sort | Grad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DF | L | DO | CU | | | | | | | | | | | | | | 3 | 6 | | 0.00 | 17.7 |
| DF | L | DO | 2M | 28 | | 3,006 | 3,006 | 57 | | | 100 | | | | 100 | | 34 | 12 | 170 | 1.18 | 17.7 |
| DF | L | DO | 3M | 57 | | 5,928 | 5,928 | 113 | | 100 | | | | | 100 | | 34 | 8 | 87 | 0.62 | 67.9 |
| DF | L | DO | 4M | 15 | | 1,572 | 1,572 | 30 | 81 | 19 | | | 39 | 61 | | | 22 | 5 | 27 | 0.30 | 57.7 |
| **DF L Totals** | | | | 54 | | 10,506 | 10,506 | 200 | 12 | 59 | 29 | | 6 | 9 | 85 | | 26 | 7 | 65 | 0.60 | 160.9 |
| DF | T | DO | 3M | 80 | | 723 | 723 | 14 | | 100 | | | | | 100 | | 34 | 8 | 67 | 0.55 | 10.8 |
| DF | T | DO | 4M | 20 | | 181 | 181 | 3 | 100 | | | | 20 | 80 | | | 19 | 5 | 17 | 0.23 | 10.8 |
| **DF T Totals** | | | | 5 | | 904 | 904 | 17 | 20 | 80 | | | 4 | 16 | 80 | | 27 | 6 | 42 | 0.44 | 21.7 |
| PP | T | DO | CU | | | | | | | | | | | | | | 6 | 5 | | 0.00 | 23.5 |
| PP | T | DO | 2M | 8 | | 410 | 410 | 8 | | | 100 | | | | 100 | | 34 | 13 | 210 | 1.66 | 2.0 |
| PP | T | DO | 3M | 63 | | 3,138 | 3,138 | 60 | | 100 | | | | | 100 | | 34 | 9 | 101 | 0.83 | 31.0 |
| PP | T | DO | 4M | 29 | | 1,424 | 1,424 | 27 | 46 | 54 | | | 61 | 20 | 10 | 9 | 21 | 6 | 27 | 0.37 | 51.9 |
| **PP T Totals** | | | | 26 | | 4,971 | 4,971 | 94 | 13 | 79 | 8 | | 17 | 6 | 74 | 3 | 21 | 7 | 46 | 0.59 | 108.3 |
| PP | L | DO | CU | | | | | | | | | | | | | | | 6 | | 0.00 | 2.3 |
| PP | L | DO | 2M | 40 | | 931 | 931 | 18 | | | 100 | | | | 100 | | 34 | 14 | 240 | 1.69 | 3.9 |
| PP | L | DO | 3M | 50 | | 1,132 | 1,132 | 21 | | 100 | | | | | 100 | | 34 | 8 | 84 | 0.66 | 13.4 |
| PP | L | DO | 4M | 10 | | 222 | 222 | 4 | 100 | | | | 43 | | 57 | | 21 | 5 | 20 | 0.31 | 11.1 |
| **PP L Totals** | | | | 12 | | 2,285 | 2,285 | 43 | 10 | 50 | 41 | | 4 | | 96 | | 27 | 7 | 74 | 0.73 | 30.7 |
| WF | L | DO | CU | | | | | | | | | | | | | | 6 | 5 | | 0.00 | 4.6 |
| WF | L | DO | 2M | 52 | | 260 | 260 | 5 | | | 100 | | | | 100 | | 34 | 12 | 170 | 1.38 | 1.5 |
| WF | L | DO | 3M | 38 | | 187 | 187 | 4 | | 100 | | | | | 100 | | 34 | 7 | 60 | 0.59 | 3.1 |
| WF | L | DO | 4M | 10 | | 46 | 46 | 1 | 100 | | | | | | 100 | | 31 | 5 | 30 | 0.46 | 1.5 |
| **WF L Totals** | | | | 3 | | 493 | 493 | 9 | 9 | 38 | 53 | | | | 100 | | 22 | 7 | 46 | 0.67 | 10.8 |
| IC | L | DO | CU | | | | | | | | | | | | | | | 5 | | 0.00 | 8.5 |
| IC | L | DO | 4M | 100 | | 255 | 255 | 5 | 100 | | | | | | 100 | | 31 | 5 | 30 | 0.40 | 8.5 |
| **IC L Totals** | | | | 1 | | 255 | 255 | 5 | 100 | | | | | | 100 | | 16 | 5 | 15 | 0.40 | 17.0 |
| **Type Totals** | | | | | | 19,413 | 19,413 | 369 | 14 | 63 | 24 | | 8 | 7 | 84 | 1 | 24 | 7 | 56 | 0.59 | 349.4 |

TC TSTATS

# STATISTICS

PROJECT EDGE


DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 34S | 04E | 34 | EDGE | 0060 | 91.00 | 38 | 231 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 38 | 231 | 6.1 | | |
| CRUISE | 17 | 113 | 6.6 | 11,097 | 1.0 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 21 | 118 | 5.6 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 35 | 27.4 | 20.9 | 86 | 14.3 | 65.5 | 7,987 | 7,987 | 2,093 | 2,093 |
| DOUG FIR-T | 27 | 36.2 | 15.3 | 74 | 11.8 | 46.0 | 5,007 | 5,007 | 1,345 | 1,341 |
| NOB FIR-L | 20 | 15.7 | 19.0 | 72 | 7.1 | 31.0 | 3,061 | 3,061 | 852 | 852 |
| NOB FIR-T | 9 | 9.4 | 17.1 | 77 | 3.6 | 15.0 | 1,553 | 1,553 | 422 | 422 |
| CON FIR-L | 12 | 15.5 | 16.2 | 64 | 5.5 | 22.1 | 2,536 | 2,536 | 641 | 641 |
| CON FIR-T | 3 | 3.9 | 18.2 | 85 | 1.7 | 7.1 | 688 | 688 | 203 | 197 |
| PONDEROS-L | 1 | .7 | 26.0 | 80 | 0.5 | 2.7 | 230 | 230 | 73 | 73 |
| PONDEROS-T | 4 | 12.6 | 11.9 | 56 | 2.8 | 9.7 | 522 | 522 | 172 | 172 |
| E SPRUCE-L | 1 | .4 | 30.0 | 84 | 0.3 | 1.8 | 249 | 249 | 63 | 63 |
| INC CED-L | 1 | .1 | 40.0 | 69 | 0.1 | .9 | 75 | 75 | 23 | 23 |
| **TOTAL** | *113* | *121.9* | *17.4* | *74* | *48.3* | *201.7* | *21,907* | *21,907* | *5,886* | *5,877* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

| CL: 68.1 % | COEFF | | SAMPLE TREES - BF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 75.4 | 12.7 | 340 | 389 | 439 | | | |
| DOUG FIR-T | 38.4 | 7.5 | 161 | 174 | 187 | | | |
| NOB FIR-L | 49.4 | 11.3 | 217 | 245 | 273 | | | |
| NOB FIR-T | 26.7 | 9.4 | 165 | 182 | 199 | | | |
| CON FIR-L | 66.0 | 19.9 | 288 | 359 | 431 | | | |
| CON FIR-T | 17.3 | 12.0 | 156 | 177 | 198 | | | |
| PONDEROS-L | | | | | | | | |
| PONDEROS-T | | | 57 | 57 | 57 | | | |
| E SPRUCE-L | | | | | | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *78.3* | *7.4* | *261* | *282* | *303* | *245* | *61* | *27* |

| CL: 68.1 % | COEFF | | SAMPLE TREES - CF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 59.3 | 10.0 | 88 | 97 | 107 | | | |
| DOUG FIR-T | 39.3 | 7.7 | 44 | 47 | 51 | | | |
| NOB FIR-L | 46.6 | 10.7 | 60 | 68 | 75 | | | |
| NOB FIR-T | 34.1 | 12.1 | 45 | 51 | 57 | | | |
| CON FIR-L | 57.4 | 17.3 | 74 | 90 | 106 | | | |
| CON FIR-T | 28.0 | 19.4 | 44 | 54 | 65 | | | |
| PONDEROS-L | | | | | | | | |
| PONDEROS-T | | | 19 | 19 | 19 | | | |
| E SPRUCE-L | | | | | | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *65.9* | *6.2* | *69* | *74* | *79* | *173* | *43* | *19* |

| CL: 68.1 % | COEFF | | TREES/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 105.2 | 17.0 | 23 | 27 | 32 | | | |

# STATISTICS

PROJECT EDGE



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 34S | 04E | 34 | EDGE | 0060 | 91.00 | 38 | 231 | S | W |

## TREES/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR. S.E.% LOW AVG HIGH # OF PLOTS REQ. 5 10 INF. POP. 15

| | VAR. | S.E.% | LOW | AVG | HIGH |
|---|---|---|---|---|---|
| DOUG FIR-T | 164.5 | 26.7 | 27 | 36 | 46 |
| NOB FIR-L | 179.9 | 29.2 | 11 | 16 | 20 |
| NOB FIR-T | 258.6 | 41.9 | 5 | 9 | 13 |
| CON FIR-L | 287.7 | 46.6 | 8 | 16 | 23 |
| CON FIR-T | 319.2 | 51.7 | 2 | 4 | 6 |
| PONDEROS-L | 346.1 | 56.1 | 0 | 1 | 1 |
| PONDEROS-T | 236.3 | 38.3 | 8 | 13 | 17 |
| E SPRUCE-L | 430.0 | 69.7 | 0 | 0 | 1 |
| INC CED-L | 616.4 | 99.9 | 0 | 0 | 0 |
| **TOTAL** | *69.2* | *11.2* | *108* | *122* | *136* |

| # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|
| *191* | *48* | *21* |

## BASAL AREA/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR.% S.E.% LOW AVG HIGH # OF PLOTS REQ. 5 10 INF. POP. 15

| | VAR.% | S.E.% | LOW | AVG | HIGH |
|---|---|---|---|---|---|
| DOUG FIR-L | 101.3 | 16.4 | 55 | 65 | 76 |
| DOUG FIR-T | 154.2 | 25.0 | 34 | 46 | 57 |
| NOB FIR-L | 173.8 | 28.2 | 22 | 31 | 40 |
| NOB FIR-T | 242.1 | 39.2 | 9 | 15 | 21 |
| CON FIR-L | 260.4 | 42.2 | 13 | 22 | 31 |
| CON FIR-T | 315.4 | 51.1 | 3 | 7 | 11 |
| PONDEROS-L | 346.1 | 56.1 | 1 | 3 | 4 |
| PONDEROS-T | 239.7 | 38.9 | 6 | 10 | 14 |
| E SPRUCE-L | 430.0 | 69.7 | 1 | 2 | 3 |
| INC CED-L | 616.4 | 99.9 | 0 | 1 | 2 |
| **TOTAL** | *60.5* | *9.8* | *182* | *202* | *221* |

| # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|
| *146* | *37* | *16* |

## NET BF/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR.% S.E.% LOW AVG HIGH # OF PLOTS REQ. 5 10 INF. POP. 15

| | VAR.% | S.E.% | LOW | AVG | HIGH |
|---|---|---|---|---|---|
| DOUG FIR-L | 103.0 | 16.7 | 6,653 | 7,987 | 9,320 |
| DOUG FIR-T | 155.8 | 25.3 | 3,742 | 5,007 | 6,272 |
| NOB FIR-L | 173.1 | 28.1 | 2,202 | 3,061 | 3,920 |
| NOB FIR-T | 246.4 | 39.9 | 932 | 1,553 | 2,173 |
| CON FIR-L | 260.1 | 42.2 | 1,467 | 2,536 | 3,606 |
| CON FIR-T | 315.6 | 51.2 | 336 | 688 | 1,040 |
| PONDEROS-L | 346.1 | 56.1 | 101 | 230 | 359 |
| PONDEROS-T | 240.3 | 38.9 | 319 | 522 | 725 |
| E SPRUCE-L | 430.0 | 69.7 | 75 | 249 | 422 |
| INC CED-L | 616.4 | 99.9 | 0 | 75 | 150 |
| **TOTAL** | *64.6* | *10.5* | *19,614* | *21,907* | *24,199* |

| # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|
| *166* | *42* | *18* |

## NET CUFT FT/ACRE

CL: 68.1 % COEFF
SD: 1.0 VAR.% S.E.% LOW AVG HIGH # OF PLOTS REQ. 5 10 INF. POP. 15

| | VAR.% | S.E.% | LOW | AVG | HIGH |
|---|---|---|---|---|---|
| DOUG FIR-L | 102.3 | 16.6 | 1,746 | 2,093 | 2,440 |
| DOUG FIR-T | 154.0 | 25.0 | 1,007 | 1,341 | 1,676 |
| NOB FIR-L | 173.5 | 28.1 | 613 | 852 | 1,092 |
| NOB FIR-T | 242.4 | 39.3 | 256 | 422 | 587 |
| CON FIR-L | 264.2 | 42.8 | 366 | 641 | 915 |
| CON FIR-T | 313.4 | 50.8 | 97 | 197 | 298 |
| PONDEROS-L | 346.1 | 56.1 | 32 | 73 | 114 |
| PONDEROS-T | 240.4 | 39.0 | 105 | 172 | 239 |
| E SPRUCE-L | 430.0 | 69.7 | 19 | 63 | 107 |
| INC CED-L | 616.4 | 99.9 | 0 | 23 | 46 |
| **TOTAL** | *62.7* | *10.2* | *5,280* | *5,877* | *6,474* |

| # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|
| *157* | *39* | *17* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

Project: EDGE

Page 1
Date 7/12/2019
Time 11:56:59AM

T34S R04E S34 T0060

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 34S | 04E | 34 | EDGE | 0060 | 91.00 | 38 | 113 | S | W |

T34S R04E S34 T0060

| Spp | S T | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DF | L | DO | 2M | 10 | | 856 | 856 | 78 | | | 43 | 57 | | | 100 | | 34 | 17 | 433 | 2.59 | 2.0 |
| DF | L | DO | 3M | 65 | | 5,143 | 5,143 | 468 | | 10 | 74 | 16 | | | 100 | | 34 | 13 | 237 | 1.73 | 21.7 |
| DF | L | DO | 4M | 25 | | 1,988 | 1,988 | 181 | 42 | 37 | 13 | 8 | 13 | 46 | 20 | 21 | 29 | 7 | 53 | 0.61 | 37.2 |
| **DF** | **L** | **Totals** | | 36 | | 7,987 | 7,987 | 727 | 10 | 15 | 56 | 18 | 3 | 12 | 80 | 5 | 31 | 9 | 131 | 1.12 | 60.8 |
| DF | T | DO | 2M | 3 | | 164 | 164 | 15 | | | 100 | | | | 100 | | 34 | 13 | 210 | 1.45 | .8 |
| DF | T | DO | 3M | 72 | | 3,609 | 3,609 | 328 | | 66 | 34 | | | | 100 | | 34 | 10 | 135 | 1.03 | 26.7 |
| DF | T | DO | 4M | 25 | | 1,234 | 1,234 | 112 | 92 | 8 | | | 13 | 38 | 25 | 24 | 27 | 5 | 33 | 0.36 | 37.9 |
| **DF** | **T** | **Totals** | | 23 | | 5,007 | 5,007 | 456 | 23 | 50 | 28 | | 3 | 9 | 82 | 6 | 30 | 7 | 77 | 0.68 | 65.4 |
| NF | L | DO | CU | | | | | | | | | | | | | | 11 | 5 | | 0.00 | 1.7 |
| NF | L | DO | 3M | 88 | | 2,697 | 2,697 | 245 | | 33 | 60 | 6 | | | 100 | | 34 | 11 | 172 | 1.26 | 15.7 |
| NF | L | DO | 4M | 12 | | 364 | 364 | 33 | 100 | | | | 25 | 21 | 38 | 16 | 25 | 5 | 26 | 0.52 | 14.0 |
| **NF** | **L** | **Totals** | | 14 | | 3,061 | 3,061 | 279 | 12 | 30 | 53 | 6 | 3 | 2 | 93 | 2 | 29 | 8 | 98 | 0.95 | 31.4 |
| NF | T | DO | 3M | 83 | | 1,302 | 1,302 | 118 | | 68 | 32 | | | | 100 | | 34 | 10 | 139 | 1.03 | 9.4 |
| NF | T | DO | 4M | 17 | | 251 | 251 | 23 | 100 | | | | 17 | 74 | 9 | | 25 | 5 | 27 | 0.40 | 9.4 |
| **NF** | **T** | **Totals** | | 7 | | 1,553 | 1,553 | 141 | 16 | 57 | 27 | | 3 | 12 | 85 | | 30 | 8 | 83 | 0.76 | 18.8 |
| WF | L | DO | 2M | 7 | | 195 | 195 | 18 | | | | 100 | | | 100 | | 34 | 17 | 390 | 2.49 | .5 |
| WF | L | DO | 3M | 62 | | 1,567 | 1,567 | 143 | | | 64 | 36 | | | 100 | | 34 | 15 | 282 | 2.01 | 5.6 |
| WF | L | DO | 4M | 31 | | 774 | 774 | 70 | 59 | 13 | 28 | | 21 | 63 | 8 | 7 | 27 | 6 | 42 | 0.44 | 18.4 |
| **WF** | **L** | **Totals** | | 12 | | 2,536 | 2,536 | 231 | 18 | 4 | 48 | 30 | 7 | 19 | 72 | 2 | 29 | 8 | 104 | 0.91 | 24.4 |
| WF | T | DO | 3M | 79 | | 550 | 550 | 50 | | 67 | 33 | | | | 100 | | 34 | 11 | 141 | 1.12 | 3.9 |
| WF | T | DO | 4M | 21 | | 138 | 138 | 13 | 100 | | | | 13 | | | 87 | 33 | 5 | 35 | 0.38 | 3.9 |
| **WF** | **T** | **Totals** | | 3 | | 688 | 688 | 63 | 20 | 53 | 27 | | 3 | | 80 | 17 | 33 | 8 | 88 | 0.76 | 7.8 |
| PP | T | DO | CU | | | | | | | | | | | | | | 8 | 5 | | 0.00 | 5.3 |
| PP | T | DO | 3M | 50 | | 264 | 264 | 24 | | 100 | | | | | 100 | | 34 | 6 | 50 | 0.49 | 5.3 |
| PP | T | DO | 4M | 50 | | 258 | 258 | 23 | 100 | | | | | 43 | 57 | | 31 | 5 | 35 | 0.37 | 7.4 |
| **PP** | **T** | **Totals** | | 2 | | 522 | 522 | 47 | 49 | 51 | | | | 21 | 79 | | 25 | 5 | 29 | 0.38 | 17.9 |
| PP | L | DO | 3M | 100 | | 230 | 230 | 21 | 13 | | 87 | | 13 | | 87 | | 21 | 8 | 107 | 1.58 | 2.2 |
| **PP** | **L** | **Totals** | | 1 | | 230 | 230 | 21 | 13 | | 87 | | 13 | | 87 | | 21 | 8 | 107 | 1.58 | 2.2 |
| ES | L | DO | 2M | 94 | | 234 | 234 | 21 | | | | 100 | | | 100 | | 34 | 21 | 650 | 3.66 | .4 |
| ES | L | DO | 4M | 6 | | 14 | 14 | 1 | 100 | | | | | | | 100 | 40 | 5 | 40 | 1.27 | .4 |
| **ES** | **L** | **Totals** | | 1 | | 249 | 249 | 23 | 6 | | | 94 | | | 94 | 6 | 37 | 13 | 345 | 2.37 | .7 |
| IC | L | DO | 3M | 95 | | 72 | 72 | 7 | | | | 100 | | | 100 | | 34 | 22 | 710 | 5.47 | .1 |
| IC | L | DO | 4M | 5 | | 3 | 3 | 0 | 100 | | | | | 100 | | | 28 | 5 | 30 | 1.39 | .1 |

T TSPCSTGR

## Species, Sort Grade - Board Foot Volumes (Type)

**Project:** EDGE


**Date** 7/12/2019
**Time** 11:56:59AM

**T34S R04E S34 T0060**

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 34S | 04E | 34 | EDGE | 0060 | 91.00 | 38 | 113 | S | W |

**T34S R04E S34 T0060**

| Spp | S T | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log: Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IC L Totals** | | | | 0 | | 75 | 75 | 7 | 4 | | | 96 | | | 4 | 96 | 31 | 14 | 370 | 3.63 | .2 |
| **Type Totals** | | | | | | 21,907 | 21,907 | 1,994 | 16 | 28 | 43 | 12 | 3 | 10 | 82 | 4 | 30 | 8 | 95 | 0.87 | 229.6 |

TC TSTATS

# STATISTICS

PROJECT EDGE



DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0068 | 13.00 | 10 | 52 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 10 | 52 | 5.2 | | |
| CRUISE | 4 | 18 | 4.5 | 1,538 | 1.2 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 6 | 34 | 5.7 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 2 | 21.0 | 20.5 | 80 | 10.6 | 48.0 | 5,194 | 5,194 | 1,399 | 1,399 |
| DOUG FIR-T | 2 | 25.6 | 16.9 | 69 | 9.7 | 40.0 | 3,447 | 3,447 | 975 | 937 |
| CON FIR-L | 4 | 19.9 | 17.2 | 67 | 7.7 | 32.0 | 3,868 | 3,868 | 895 | 895 |
| CON FIR-T | 1 | 7.6 | 17.0 | 80 | 2.9 | 12.0 | 1,370 | 1,370 | 354 | 354 |
| PONDEROS-L | 1 | 3.3 | 21.0 | 92 | 1.7 | 8.0 | 832 | 832 | 246 | 246 |
| PONDEROS-T | 2 | 21.2 | 16.7 | 92 | 7.8 | 32.0 | 3,645 | 3,645 | 981 | 981 |
| INC CED-L | 6 | 19.7 | 17.3 | 60 | 7.7 | 32.0 | 2,200 | 2,200 | 730 | 730 |
| **TOTAL** | *18* | *118.3* | *17.8* | *75* | *48.4* | *204.0* | *20,555* | *20,555* | *5,580* | *5,542* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

| CL: 68.1 % | COEFF | | SAMPLE TREES - BF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 28.3 | 26.5 | 184 | 250 | 316 | | | |
| DOUG FIR-T | 5.2 | 4.9 | 128 | 135 | 142 | | | |
| CON FIR-L | 105.9 | 60.5 | 127 | 323 | 518 | | | |
| CON FIR-T | | | | | | | | |
| PONDEROS-L | | | | | | | | |
| PONDEROS-T | 42.0 | 39.4 | 112 | 185 | 258 | | | |
| INC CED-L | 57.4 | 25.6 | 93 | 125 | 157 | | | |
| **TOTAL** | *85.3* | *20.7* | *159* | *201* | *242* | *308* | *77* | *34* |

| CL: 68.1 % | COEFF | | SAMPLE TREES - CF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 22.6 | 21.2 | 53 | 67 | 81 | | | |
| DOUG FIR-T | 16.5 | 15.4 | 31 | 37 | 43 | | | |
| CON FIR-L | 93.2 | 53.3 | 33 | 71 | 109 | | | |
| CON FIR-T | | | | | | | | |
| PONDEROS-L | | | | | | | | |
| PONDEROS-T | 37.9 | 35.5 | 32 | 49 | 67 | | | |
| INC CED-L | 47.3 | 21.0 | 32 | 41 | 50 | | | |
| **TOTAL** | *63.2* | *15.3* | *45* | *53* | *61* | *169* | *42* | *19* |

| CL: 68.1 % | COEFF | | TREES/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 145.9 | 48.6 | 11 | 21 | 31 | | | |
| DOUG FIR-T | 156.4 | 52.1 | 12 | 26 | 39 | | | |
| CON FIR-L | 104.8 | 34.9 | 13 | 20 | 27 | | | |
| CON FIR-T | 161.0 | 53.6 | 4 | 8 | 12 | | | |
| PONDEROS-L | 210.8 | 70.2 | 1 | 3 | 6 | | | |
| PONDEROS-T | 202.4 | 67.4 | 7 | 21 | 35 | | | |
| INC CED-L | 124.9 | 41.6 | 11 | 20 | 28 | | | |
| **TOTAL** | *47.9* | *15.9* | *99* | *118* | *137* | *101* | *25* | *11* |

| CL: 68.1 % | COEFF | | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |

# STATISTICS

PROJECT EDGE



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0068 | 13.00 | 10 | 52 | S | W |

| CL: 68.1 % | COEFF | | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR. | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 145.9 | 48.6 | 25 | 48 | 71 | | | |
| DOUG FIR-T | 156.3 | 52.0 | 19 | 40 | 61 | | | |
| CON FIR-L | 98.6 | 32.8 | 22 | 32 | 42 | | | |
| CON FIR-T | 161.0 | 53.6 | 6 | 12 | 18 | | | |
| PONDEROS-L | 210.8 | 70.2 | 2 | 8 | 14 | | | |
| PONDEROS-T | 202.4 | 67.4 | 10 | 32 | 54 | | | |
| INC CED-L | 129.1 | 43.0 | 18 | 32 | 46 | | | |
| **TOTAL** | *52.7* | *17.5* | *168* | *204* | *240* | *123* | *31* | *14* |

| CL: 68.1 % | COEFF | | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 145.9 | 48.6 | 2,671 | 5,194 | 7,716 | | | |
| DOUG FIR-T | 156.4 | 52.0 | 1,653 | 3,447 | 5,240 | | | |
| CON FIR-L | 101.4 | 33.7 | 2,563 | 3,868 | 5,173 | | | |
| CON FIR-T | 161.0 | 53.6 | 636 | 1,370 | 2,105 | | | |
| PONDEROS-L | 210.8 | 70.2 | 248 | 832 | 1,415 | | | |
| PONDEROS-T | 202.4 | 67.4 | 1,190 | 3,645 | 6,101 | | | |
| INC CED-L | 134.1 | 44.6 | 1,218 | 2,200 | 3,182 | | | |
| **TOTAL** | *54.2* | *18.0* | *16,850* | *20,555* | *24,260* | *130* | *32* | *14* |

| CL: 68.1 % | COEFF | | NET CUFT FT/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 145.9 | 48.6 | 720 | 1,399 | 2,079 | | | |
| DOUG FIR-T | 156.3 | 52.0 | 450 | 937 | 1,425 | | | |
| CON FIR-L | 102.3 | 34.0 | 590 | 895 | 1,200 | | | |
| CON FIR-T | 161.0 | 53.6 | 164 | 354 | 544 | | | |
| PONDEROS-L | 210.8 | 70.2 | 73 | 246 | 418 | | | |
| PONDEROS-T | 202.4 | 67.4 | 320 | 981 | 1,641 | | | |
| INC CED-L | 136.6 | 45.4 | 398 | 730 | 1,061 | | | |
| **TOTAL** | *53.6* | *17.8* | *4,553* | *5,542* | *6,530* | *127* | *32* | *14* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

Project: EDGE

Page 1
Date 7/12/2019
Time 12:10:18PM

**T35S R04E S27 T0068**

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 27 | EDGE | 0068 | 13.00 | 10 | 18 | S | W |

T35S R04E S27 T0068

| Spp | S T | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DF | L | DO | CU | | | | | | | | | | | | | | 4 | 6 | | 0.00 | 21.0 |
| DF | L | DO | 2M | 82 | | 4,265 | 4,265 | 55 | | | 100 | | | | 100 | | 34 | 13 | 203 | 1.50 | 21.0 |
| DF | L | DO | 3M | 11 | | 599 | 599 | 8 | | 100 | | | | | 100 | | 34 | 7 | 60 | 0.67 | 10.0 |
| DF | L | DO | 4M | 7 | | 330 | 330 | 4 | | 100 | | | 100 | | | | 17 | 8 | 30 | 0.57 | 11.0 |
| **DF** | **L** | **Totals** | | 25 | | 5,194 | 5,194 | 68 | | 18 | 82 | | 6 | | 94 | | 21 | 9 | 83 | 1.05 | 62.9 |
| DF | T | DO | 2M | 32 | | 1,132 | 1,132 | 15 | | | 100 | | 100 | | | | 17 | 13 | 100 | 1.34 | 11.3 |
| DF | T | DO | 3M | 42 | | 1,432 | 1,432 | 19 | | 100 | | | | 100 | | | 24 | 11 | 100 | 0.83 | 14.3 |
| DF | T | DO | 4M | 26 | | 882 | 882 | 11 | 100 | | | | | | 100 | | 33 | 5 | 34 | 0.46 | 25.6 |
| **DF** | **T** | **Totals** | | 17 | | 3,447 | 3,447 | 45 | 26 | 42 | 33 | | 33 | 42 | 26 | | 27 | 8 | 67 | 0.67 | 51.3 |
| WF | L | DO | CU | | | | | | | | | | | | | | | 6 | | 0.00 | 9.4 |
| WF | L | DO | 2M | 58 | | 2,267 | 2,267 | 29 | | | 51 | 49 | | | 100 | | 34 | 15 | 306 | 1.85 | 7.4 |
| WF | L | DO | 3M | 24 | | 928 | 928 | 12 | | 100 | | | | | 100 | | 34 | 8 | 99 | 0.76 | 9.4 |
| WF | L | DO | 4M | 18 | | 673 | 673 | 9 | 31 | 69 | | | 94 | 6 | | | 17 | 7 | 27 | 0.45 | 25.0 |
| **WF** | **L** | **Totals** | | 19 | | 3,868 | 3,868 | 50 | 5 | 36 | 30 | 29 | 16 | 1 | 83 | | 19 | 8 | 76 | 0.90 | 51.2 |
| WF | T | DO | 3M | 83 | | 1,142 | 1,142 | 15 | | 100 | | | | | 100 | | 34 | 11 | 150 | 1.03 | 7.6 |
| WF | T | DO | 4M | 17 | | 228 | 228 | 3 | 100 | | | | | 100 | | | 29 | 5 | 30 | 0.40 | 7.6 |
| **WF** | **T** | **Totals** | | 7 | | 1,370 | 1,370 | 18 | 17 | 83 | | | | 17 | 83 | | 32 | 8 | 90 | 0.74 | 15.2 |
| PP | T | DO | 3M | 73 | | 2,685 | 2,685 | 35 | | 49 | 51 | | | | 100 | | 34 | 10 | 127 | 1.00 | 21.2 |
| PP | T | DO | 4M | 27 | | 960 | 960 | 12 | 58 | 42 | | | | 100 | | | 24 | 6 | 33 | 0.37 | 29.3 |
| **PP** | **T** | **Totals** | | 18 | | 3,645 | 3,645 | 47 | 15 | 47 | 38 | | | 26 | 74 | | 28 | 8 | 72 | 0.69 | 50.5 |
| PP | L | DO | 3M | 84 | | 698 | 698 | 9 | | | 100 | | | | 100 | | 34 | 13 | 210 | 1.55 | 3.3 |
| PP | L | DO | 4M | 16 | | 133 | 133 | 2 | 100 | | | | | | | 100 | 40 | 5 | 40 | 0.53 | 3.3 |
| **PP** | **L** | **Totals** | | 4 | | 832 | 832 | 11 | 16 | | 84 | | | | 84 | 16 | 37 | 9 | 125 | 1.00 | 6.7 |
| IC | L | DO | 3M | 76 | | 1,675 | 1,675 | 22 | | 72 | 28 | | 14 | 21 | 66 | | 27 | 10 | 109 | 1.17 | 15.3 |
| IC | L | DO | 4M | 24 | | 525 | 525 | 7 | 100 | | | | 35 | 15 | | 50 | 25 | 5 | 27 | 0.49 | 19.7 |
| **IC** | **L** | **Totals** | | 11 | | 2,200 | 2,200 | 29 | 24 | 55 | 21 | | 19 | 19 | 50 | 12 | 26 | 7 | 63 | 0.80 | 35.0 |
| **Type Totals** | | | | | | 20,555 | 20,555 | 267 | 12 | 38 | 44 | 5 | 12 | 15 | 71 | 2 | 25 | 8 | 75 | 0.82 | 272.7 |

TC TSTATS

# STATISTICS

PROJECT EDGE



DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 10 | EDGE | 0070 | 33.00 | 16 | 94 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 16 | 94 | 5.9 | | |
| CRUISE | 7 | 44 | 6.3 | 4,273 | 1.0 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 9 | 50 | 5.6 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 12 | 36.3 | 18.1 | 87 | 15.3 | 65.0 | 8,165 | 8,033 | 2,100 | 2,087 |
| DOUG FIR-T | 13 | 44.3 | 15.8 | 82 | 15.1 | 60.0 | 6,584 | 6,584 | 1,791 | 1,791 |
| NOB FIR-L | 6 | 7.7 | 28.8 | 100 | 6.5 | 35.0 | 5,540 | 5,458 | 1,277 | 1,277 |
| NOB FIR-T | 5 | 14.1 | 21.4 | 88 | 7.6 | 35.0 | 4,872 | 4,753 | 1,205 | 1,205 |
| CON FIR-L | 5 | 14.2 | 18.0 | 68 | 5.9 | 25.0 | 3,436 | 3,436 | 784 | 784 |
| CON FIR-T | 3 | 12.9 | 14.6 | 85 | 3.9 | 15.0 | 1,789 | 1,789 | 437 | 437 |
| **TOTAL** | *44* | *129.5* | *18.2* | *84* | *55.0* | *235.0* | *30,386* | *30,053* | *7,594* | *7,581* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

| CL: 68.1 % | COEFF | | SAMPLE TREES - BF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 25.0 | 7.9 | 255 | 277 | 299 | | | |
| DOUG FIR-T | | | 227 | 227 | 227 | | | |
| NOB FIR-L | 33.9 | 15.1 | 647 | 762 | 877 | | | |
| NOB FIR-T | 12.5 | 6.2 | 319 | 340 | 361 | | | |
| CON FIR-L | 82.4 | 40.9 | 461 | 780 | 1,099 | | | |
| CON FIR-T | | | 210 | 210 | 210 | | | |
| **TOTAL** | *78.9* | *12.8* | *360* | *413* | *465* | *249* | *62* | *28* |

| CL: 68.1 % | COEFF | | SAMPLE TREES - CF | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 12.3 | 3.9 | 69 | 71 | 74 | | | |
| DOUG FIR-T | | | 62 | 62 | 62 | | | |
| NOB FIR-L | 29.3 | 13.0 | 154 | 177 | 200 | | | |
| NOB FIR-T | 12.0 | 5.9 | 81 | 86 | 91 | | | |
| CON FIR-L | 79.2 | 39.3 | 101 | 167 | 233 | | | |
| CON FIR-T | | | 52 | 52 | 52 | | | |
| **TOTAL** | *66.2* | *10.7* | *89* | *99* | *110* | *175* | *44* | *19* |

| CL: 68.1 % | COEFF | | TREES/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 115.2 | 29.7 | 26 | 36 | 47 | | | |
| DOUG FIR-T | 132.1 | 34.1 | 29 | 44 | 59 | | | |
| NOB FIR-L | 155.4 | 40.1 | 5 | 8 | 11 | | | |
| NOB FIR-T | 190.7 | 49.2 | 7 | 14 | 21 | | | |
| CON FIR-L | 179.1 | 46.2 | 8 | 14 | 21 | | | |
| CON FIR-T | 273.3 | 70.5 | 4 | 13 | 22 | | | |
| **TOTAL** | *56.9* | *14.7* | *110* | *129* | *148* | *138* | *35* | *15* |

| CL: 68.1 % | COEFF | | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | 105.1 | 27.1 | 47 | 65 | 83 | | | |
| DOUG FIR-T | 131.1 | 33.8 | 40 | 60 | 80 | | | |
| NOB FIR-L | 155.4 | 40.1 | 21 | 35 | 49 | | | |
| NOB FIR-T | 190.7 | 49.2 | 18 | 35 | 52 | | | |

# STATISTICS

**PROJECT EDGE**



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 10 | EDGE | 0070 | 33.00 | 16 | 94 | S | W |

**BASAL AREA/ACRE**

| CL: 68.1 % / SD: 1.0 | COEFF VAR. | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| CON FIR-L | 153.2 | 39.5 | 15 | 25 | 35 | | | |
| CON FIR-T | 273.3 | 70.5 | 4 | 15 | 26 | | | |
| **TOTAL** | *37.7* | *9.7* | *212* | *235* | *258* | *61* | *15* | *7* |

**NET BF/ACRE**

| CL: 68.1 % / SD: 1.0 | COEFF VAR.% | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 102.9 | 26.5 | 5,901 | 8,033 | 10,164 | | | |
| DOUG FIR-T | 131.5 | 33.9 | 4,350 | 6,584 | 8,818 | | | |
| NOB FIR-L | 155.7 | 40.2 | 3,266 | 5,458 | 7,650 | | | |
| NOB FIR-T | 190.7 | 49.2 | 2,415 | 4,753 | 7,091 | | | |
| CON FIR-L | 158.0 | 40.8 | 2,035 | 3,436 | 4,836 | | | |
| CON FIR-T | 273.3 | 70.5 | 528 | 1,789 | 3,050 | | | |
| **TOTAL** | *35.2* | *9.1* | *27,325* | *30,053* | *32,781* | *53* | *13* | *6* |

**NET CUFT FT/ACRE**

| CL: 68.1 % / SD: 1.0 | COEFF VAR.% | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 104.2 | 26.9 | 1,526 | 2,087 | 2,648 | | | |
| DOUG FIR-T | 130.7 | 33.7 | 1,187 | 1,791 | 2,394 | | | |
| NOB FIR-L | 155.5 | 40.1 | 765 | 1,277 | 1,790 | | | |
| NOB FIR-T | 190.7 | 49.2 | 612 | 1,205 | 1,797 | | | |
| CON FIR-L | 156.2 | 40.3 | 468 | 784 | 1,100 | | | |
| CON FIR-T | 273.3 | 70.5 | 129 | 437 | 745 | | | |
| **TOTAL** | *36.5* | *9.4* | *6,868* | *7,581* | *8,294* | *57* | *14* | *6* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

Project: EDGE

Page 1
Date 7/12/2019
Time 12:07:50PM

T35S R04E S10 T0070

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 10 | EDGE | 0070 | 33.00 | 16 | 44 | S | W |

T35S R04E S10 T0070

| Spp | ST | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DF | L | DO | 2M | 19 | | 1,548 | 1,548 | 51 | | | 100 | | | | 100 | | 34 | 14 | 259 | 1.85 | 6.0 |
| DF | L | DO | 3M | 56 | 2.9 | 4,631 | 4,498 | 148 | | 42 | 58 | | | | 100 | | 34 | 11 | 148 | 1.09 | 30.3 |
| DF | L | DO | 4M | 25 | | 1,986 | 1,986 | 66 | 56 | 44 | | | 10 | 55 | 17 | 18 | 27 | 6 | 42 | 0.47 | 46.8 |
| **DF** | **L** | **Totals** | | 27 | 1.6 | 8,165 | 8,033 | 265 | 14 | 35 | 52 | | 3 | 14 | 80 | 4 | 30 | 9 | 97 | 0.84 | 83.1 |
| DF | T | DO | CU | | | | | | | | | | | | | | | 6 | | 0.00 | 5.0 |
| DF | T | DO | 2M | 6 | | 444 | 444 | 15 | | | 100 | | | | 100 | | 34 | 13 | 210 | 1.55 | 2.1 |
| DF | T | DO | 3M | 75 | | 4,912 | 4,912 | 162 | | 100 | | | | | 100 | | 34 | 9 | 117 | 0.86 | 42.1 |
| DF | T | DO | 4M | 19 | | 1,228 | 1,228 | 41 | 100 | | | | | 50 | 34 | 16 | 32 | 5 | 31 | 0.35 | 39.2 |
| **DF** | **T** | **Totals** | | 22 | | 6,584 | 6,584 | 217 | 19 | 75 | 7 | | | 9 | 88 | 3 | 31 | 7 | 74 | 0.65 | 88.5 |
| NF | L | DO | 2M | 70 | 2.1 | 3,918 | 3,836 | 127 | | | 16 | 84 | | | 100 | | 34 | 19 | 497 | 3.29 | 7.7 |
| NF | L | DO | 3M | 16 | | 860 | 860 | 28 | 13 | | 87 | | | 100 | | | 26 | 9 | 112 | 1.09 | 7.7 |
| NF | L | DO | 4M | 14 | | 762 | 762 | 25 | 15 | | 85 | | | 100 | | | 26 | 9 | 98 | 0.98 | 7.8 |
| **NF** | **L** | **Totals** | | 18 | 1.5 | 5,540 | 5,458 | 180 | 4 | | 37 | 59 | | 30 | 70 | | 29 | 12 | 236 | 1.93 | 23.2 |
| NF | T | DO | CU | | | | | | | | | | | | | | | 12 | | 0.00 | 3.2 |
| NF | T | DO | 2M | 66 | 3.6 | 3,290 | 3,171 | 105 | | | 100 | | | | 100 | | 34 | 14 | 225 | 1.76 | 14.1 |
| NF | T | DO | 3M | 6 | | 257 | 257 | 8 | | | 100 | | 100 | | | | 17 | 12 | 80 | 0.93 | 3.2 |
| NF | T | DO | 4M | 28 | | 1,325 | 1,325 | 44 | 22 | 78 | | | | 100 | | | 24 | 8 | 61 | 0.60 | 21.7 |
| **NF** | **T** | **Totals** | | 16 | 2.5 | 4,872 | 4,753 | 157 | 6 | 22 | 72 | | 5 | 28 | 67 | | 25 | 10 | 113 | 1.15 | 42.2 |
| WF | L | DO | 2M | 35 | | 1,208 | 1,208 | 40 | | | | 100 | | | 100 | | 34 | 22 | 759 | 4.32 | 1.6 |
| WF | L | DO | 3M | 31 | | 1,072 | 1,072 | 35 | | | 45 | 55 | | | 100 | | 34 | 14 | 312 | 1.96 | 3.4 |
| WF | L | DO | 4M | 34 | | 1,156 | 1,156 | 38 | 34 | 12 | 17 | 37 | 12 | 88 | | | 27 | 7 | 60 | 0.63 | 19.2 |
| **WF** | **L** | **Totals** | | 11 | | 3,436 | 3,436 | 113 | 12 | 4 | 20 | 65 | 4 | 30 | 66 | | 28 | 9 | 142 | 1.15 | 24.2 |
| WF | T | DO | 3M | 78 | | 1,401 | 1,401 | 46 | | 100 | | | | | 100 | | 34 | 9 | 108 | 0.74 | 12.9 |
| WF | T | DO | 4M | 22 | | 388 | 388 | 13 | 100 | | | | | 72 | 28 | | 28 | 5 | 30 | 0.31 | 12.9 |
| **WF** | **T** | **Totals** | | 6 | | 1,789 | 1,789 | 59 | 22 | 78 | | | | 16 | 84 | | 31 | 7 | 69 | 0.54 | 25.9 |
| **Type Totals** | | | | | 1.1 | 30,386 | 30,053 | 992 | 12 | 34 | 36 | 18 | 2 | 20 | 76 | 2 | 29 | 9 | 105 | 0.90 | 287.1 |

TC TSTATS

# STATISTICS

PROJECT EDGE


DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0071 | 34.00 | 22 | 154 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 22 | 154 | 7.0 | | |
| CRUISE | 11 | 70 | 6.4 | 4,460 | 1.6 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 11 | 84 | 7.6 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 22 | 60.2 | 17.1 | 80 | 23.3 | 96.2 | 12,438 | 12,405 | 2,986 | 2,986 |
| DOUG FIR-T | 14 | 41.8 | 16.6 | 88 | 15.4 | 62.6 | 8,307 | 8,307 | 2,043 | 2,043 |
| PONDEROS-L | 6 | 2.8 | 24.7 | 85 | 1.8 | 9.2 | 892 | 892 | 232 | 232 |
| PONDEROS-T | 22 | 22.8 | 19.5 | 85 | 10.7 | 47.4 | 4,677 | 4,655 | 1,356 | 1,351 |
| GR FIR-L | 2 | 1.8 | 37.0 | 125 | 2.3 | 13.7 | 3,524 | 3,524 | 643 | 643 |
| GR FIR-T | 1 | .4 | 25.0 | 100 | 0.3 | 1.5 | 242 | 242 | 57 | 57 |
| CON FIR-L | 3 | 1.3 | 24.9 | 83 | 0.9 | 4.6 | 760 | 760 | 158 | 158 |
| **TOTAL** | *70* | *131.2* | *18.1* | *84* | *55.2* | *235.3* | *30,841* | *30,785* | *7,475* | *7,470* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 % COEFF — **SAMPLE TREES - BF** — # OF TREES REQ. — INF. POP.

| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 62.3 | 13.9 | 242 | 281 | 321 | | | |
| DOUG FIR-T | 39.4 | 11.4 | 226 | 255 | 284 | | | |
| PONDEROS-L | 63.3 | 28.2 | 227 | 317 | 406 | | | |
| PONDEROS-T | 36.6 | 8.0 | 205 | 223 | 241 | | | |
| GR FIR-L | 25.0 | 23.4 | 1,517 | 1,980 | 2,443 | | | |
| GR FIR-T | | | | | | | | |
| CON FIR-L | 84.4 | 58.4 | 395 | 950 | 1,505 | | | |
| **TOTAL** | *110.1* | *13.3* | *298* | *344* | *390* | *484* | *121* | *54* |

CL: 68.1 % COEFF — **SAMPLE TREES - CF** — # OF TREES REQ. — INF. POP.

| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 55.3 | 12.4 | 58 | 67 | 75 | | | |
| DOUG FIR-T | 31.8 | 9.2 | 57 | 62 | 68 | | | |
| PONDEROS-L | 55.2 | 24.6 | 62 | 82 | 102 | | | |
| PONDEROS-T | 38.9 | 8.5 | 61 | 67 | 73 | | | |
| GR FIR-L | 25.3 | 23.7 | 276 | 361 | 447 | | | |
| GR FIR-T | | | | | | | | |
| CON FIR-L | 74.8 | 51.7 | 89 | 185 | 281 | | | |
| **TOTAL** | *82.7* | *10.0* | *74* | *82* | *90* | *273* | *68* | *30* |

CL: 68.1 % COEFF — **TREES/ACRE** — # OF PLOTS REQ. — INF. POP.

| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 114.5 | 25.0 | 45 | 60 | 75 | | | |
| DOUG FIR-T | 169.8 | 37.0 | 26 | 42 | 57 | | | |
| PONDEROS-L | 205.5 | 44.8 | 2 | 3 | 4 | | | |
| PONDEROS-T | 176.2 | 38.4 | 14 | 23 | 31 | | | |
| GR FIR-L | 268.4 | 58.5 | 1 | 2 | 3 | | | |
| GR FIR-T | 469.0 | 102.2 | | 0 | 1 | | | |
| CON FIR-L | 469.0 | 102.2 | | 1 | 3 | | | |
| **TOTAL** | *55.8* | *12.2* | *115* | *131* | *147* | *130* | *32* | *14* |

CL: 68.1 % COEFF — **BASAL AREA/ACRE** — # OF PLOTS REQ. — INF. POP.

| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
|---|---|---|---|---|---|---|---|---|

# STATISTICS

**PROJECT EDGE**



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0071 | 34.00 | 22 | 154 | S | W |

**BASAL AREA/ACRE**

| CL: 68.1% / SD: 1.0 | COEFF VAR. | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 114.2 | 24.9 | 72 | 96 | 120 | | | |
| DOUG FIR-T | 170.7 | 37.2 | 39 | 63 | 86 | | | |
| PONDEROS-L | 201.8 | 44.0 | 5 | 9 | 13 | | | |
| PONDEROS-T | 163.4 | 35.6 | 30 | 47 | 64 | | | |
| GR FIR-L | 268.4 | 58.5 | 6 | 14 | 22 | | | |
| GR FIR-T | 469.0 | 102.2 | | 2 | 3 | | | |
| CON FIR-L | 469.0 | 102.2 | | 5 | 9 | | | |
| **TOTAL** | *41.8* | *9.1* | *214* | *235* | *257* | *73* | *18* | *8* |

**NET BF/ACRE**

| CL: 68.1% / SD: 1.0 | COEFF VAR.% | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 118.3 | 25.8 | 9,206 | 12,405 | 15,604 | | | |
| DOUG FIR-T | 174.5 | 38.0 | 5,148 | 8,307 | 11,466 | | | |
| PONDEROS-L | 225.8 | 49.2 | 453 | 892 | 1,331 | | | |
| PONDEROS-T | 168.5 | 36.7 | 2,945 | 4,655 | 6,364 | | | |
| GR FIR-L | 268.4 | 58.5 | 1,462 | 3,524 | 5,586 | | | |
| GR FIR-T | 469.0 | 102.2 | | 242 | 489 | | | |
| CON FIR-L | 469.0 | 102.2 | | 760 | 1,538 | | | |
| **TOTAL** | *42.6* | *9.3* | *27,926* | *30,785* | *33,644* | *76* | *19* | *8* |

**NET CUFT FT/ACRE**

| CL: 68.1% / SD: 1.0 | COEFF VAR.% | S.E.% | LOW | AVG | HIGH | # OF PLOTS REQ. 5 | 10 | INF. POP. 15 |
|---|---|---|---|---|---|---|---|---|
| DOUG FIR-L | 116.7 | 25.4 | 2,226 | 2,986 | 3,745 | | | |
| DOUG FIR-T | 172.1 | 37.5 | 1,276 | 2,043 | 2,809 | | | |
| PONDEROS-L | 227.4 | 49.6 | 117 | 232 | 348 | | | |
| PONDEROS-T | 163.6 | 35.7 | 870 | 1,351 | 1,833 | | | |
| GR FIR-L | 268.4 | 58.5 | 267 | 643 | 1,019 | | | |
| GR FIR-T | 469.0 | 102.2 | | 57 | 115 | | | |
| CON FIR-L | 469.0 | 102.2 | | 158 | 319 | | | |
| **TOTAL** | *41.4* | *9.0* | *6,795* | *7,470* | *8,145* | *72* | *18* | *8* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

Project: EDGE

Page 1
Date 7/12/2019
Time 12:05:25PM

T35S R04E S08 T0071

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0071 | 34.00 | 22 | 70 | S | W |

T35S R04E S08 T0071

| Spp | S T | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DF | L | DO | CU | | | | | | | | | | | | | | 4 | 6 | | 0.00 | 4.4 |
| DF | L | DO | 2M | 22 | 1.1 | 2,875 | 2,842 | 97 | | | 81 | 19 | | | 100 | | 34 | 15 | 285 | 1.86 | 10.0 |
| DF | L | DO | 3M | 63 | | 7,745 | 7,745 | 263 | 8 | 52 | 40 | | 1 | 17 | 69 | 12 | 31 | 9 | 108 | 0.80 | 71.7 |
| DF | L | DO | 4M | 15 | | 1,818 | 1,818 | 62 | 54 | 39 | 8 | | 35 | 34 | 7 | 24 | 25 | 6 | 41 | 0.50 | 44.3 |
| **DF** | **L** | **Totals** | | 40 | .3 | 12,438 | 12,405 | 422 | 13 | 38 | 45 | 4 | 6 | 16 | 67 | 11 | 29 | 8 | 95 | 0.80 | 130.4 |
| DF | T | DO | 2M | 9 | | 818 | 818 | 28 | | | 100 | | | | 100 | | 34 | 14 | 249 | 1.89 | 3.3 |
| DF | T | DO | 3M | 64 | | 5,318 | 5,318 | 181 | 4 | 33 | 63 | | | 7 | 84 | 9 | 34 | 10 | 130 | 0.84 | 40.8 |
| DF | T | DO | 4M | 27 | | 2,171 | 2,171 | 74 | 58 | 42 | | | 12 | 49 | 14 | 25 | 29 | 6 | 47 | 0.48 | 46.6 |
| **DF** | **T** | **Totals** | | 27 | | 8,307 | 8,307 | 282 | 17 | 32 | 50 | | 3 | 17 | 67 | 12 | 32 | 8 | 92 | 0.71 | 90.7 |
| PP | T | DO | CU | | | | | | | | | | | | | | | 6 | | 0.00 | .8 |
| PP | T | DO | 2M | 9 | | 439 | 439 | 15 | | | 100 | | | | 100 | | 34 | 14 | 267 | 1.83 | 1.6 |
| PP | T | DO | 3M | 66 | | 3,090 | 3,090 | 105 | 2 | 34 | 64 | | 7 | 4 | 84 | 5 | 32 | 11 | 138 | 1.19 | 22.4 |
| PP | T | DO | 4M | 25 | 1.9 | 1,149 | 1,126 | 38 | 69 | 9 | 22 | | | 34 | 41 | 25 | 29 | 6 | 44 | 0.55 | 25.5 |
| **PP** | **T** | **Totals** | | 15 | .5 | 4,677 | 4,655 | 158 | 18 | 25 | 57 | | 5 | 11 | 75 | 9 | 30 | 8 | 93 | 0.90 | 50.3 |
| PP | L | DO | 3M | 78 | | 697 | 697 | 24 | | | 80 | 20 | | | 100 | | 34 | 15 | 285 | 2.04 | 2.4 |
| PP | L | DO | 4M | 22 | | 195 | 195 | 7 | 46 | 35 | 18 | | 24 | 10 | 44 | 23 | 27 | 7 | 58 | 0.69 | 3.3 |
| **PP** | **L** | **Totals** | | 3 | | 892 | 892 | 30 | 10 | 8 | 67 | 16 | 5 | 2 | 88 | 5 | 30 | 10 | 154 | 1.34 | 5.8 |
| GF | L | DO | 2M | 60 | | 2,118 | 2,118 | 72 | | | | 100 | | | 100 | | 34 | 27 | 1151 | 5.75 | 1.8 |
| GF | L | DO | 3M | 30 | | 1,088 | 1,088 | 37 | | | | 100 | | | 100 | | 34 | 20 | 591 | 3.13 | 1.8 |
| GF | L | DO | 4M | 10 | | 318 | 318 | 11 | 12 | | 88 | | 41 | 59 | | | 21 | 9 | 86 | 1.11 | 3.7 |
| **GF** | **L** | **Totals** | | 11 | | 3,524 | 3,524 | 120 | 1 | | 8 | 91 | 4 | 5 | 91 | | 28 | 17 | 479 | 3.16 | 7.4 |
| GF | T | DO | 3M | 72 | | 175 | 175 | 6 | | | | 100 | | | 100 | | 34 | 17 | 390 | 2.49 | .4 |
| GF | T | DO | 4M | 28 | | 67 | 67 | 2 | 13 | 87 | | | 13 | | 87 | | 26 | 8 | 75 | 0.82 | .9 |
| **GF** | **T** | **Totals** | | 1 | | 242 | 242 | 8 | 4 | 24 | | 72 | 4 | | 96 | | 28 | 11 | 180 | 1.49 | 1.3 |
| WF | L | DO | 2M | 58 | | 447 | 447 | 15 | | | | 100 | | | 100 | | 34 | 24 | 922 | 4.27 | .5 |
| WF | L | DO | 3M | 37 | | 278 | 278 | 9 | | 47 | 18 | 36 | | | 100 | | 34 | 12 | 206 | 1.53 | 1.3 |
| WF | L | DO | 4M | 5 | | 35 | 35 | 1 | 100 | | | | 8 | 75 | 17 | | 24 | 5 | 26 | 0.53 | 1.3 |
| **WF** | **L** | **Totals** | | 2 | | 760 | 760 | 26 | 5 | 17 | 7 | 72 | 0 | 3 | 96 | | 30 | 11 | 239 | 1.67 | 3.2 |
| **Type Totals** | | | | | .2 | 30,841 | 30,785 | 1,047 | 13 | 29 | 43 | 15 | 4 | 13 | 73 | 9 | 30 | 9 | 107 | 0.87 | 289.0 |

TC TSTATS

# STATISTICS

**PROJECT EDGE**



DATE 7/12/2019

| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0072 | 15.00 | 10 | 37 | S | W |

| | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES |
|---|---|---|---|---|---|
| TOTAL | 10 | 37 | 3.7 | | |
| CRUISE | 5 | 17 | 3.4 | 1,624 | 1.0 |
| DBH COUNT | | | | | |
| REFOREST | | | | | |
| COUNT | 5 | 20 | 4.0 | | |
| BLANKS | | | | | |
| 100 % | | | | | |

## STAND SUMMARY

| | SAMPLE TREES | TREES /ACRE | AVG DBH | BOLE LEN | REL DEN | BASAL AREA | GROSS BF/AC | NET BF/AC | GROSS CF/AC | NET CF/AC |
|---|---|---|---|---|---|---|---|---|---|---|
| PONDEROS-L | 4 | 16.1 | 16.5 | 83 | 5.9 | 24.0 | 2,506 | 2,506 | 660 | 660 |
| PONDEROS-T | 8 | 56.8 | 14.8 | 72 | 17.7 | 68.0 | 5,649 | 5,649 | 1,628 | 1,628 |
| DOUG FIR-L | 3 | 15.0 | 22.1 | 98 | 8.5 | 40.0 | 5,849 | 5,849 | 1,386 | 1,386 |
| DOUG FIR-T | 1 | 5.1 | 12.0 | 78 | 1.2 | 4.0 | 407 | 407 | 101 | 101 |
| INC CED-L | 1 | 15.3 | 12.0 | 44 | 3.5 | 12.0 | 458 | 458 | 189 | 189 |
| **TOTAL** | *17* | *108.3* | *15.8* | *74* | *37.2* | *148.0* | *14,870* | *14,870* | *3,963* | *3,963* |

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

| CL: 68.1 % | COEFF | | **SAMPLE TREES - BF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 48.3 | 27.6 | 143 | 198 | 252 | | | |
| PONDEROS-T | 45.8 | 17.3 | 95 | 115 | 135 | | | |
| DOUG FIR-L | 33.5 | 23.2 | 312 | 407 | 501 | | | |
| DOUG FIR-T | | | | | | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *77.3* | *19.3* | *144* | *179* | *213* | *253* | *63* | *28* |

| CL: 68.1 % | COEFF | | **SAMPLE TREES - CF** | | | # OF TREES REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 54.9 | 31.4 | 37 | 54 | 71 | | | |
| PONDEROS-T | 40.4 | 15.2 | 28 | 33 | 38 | | | |
| DOUG FIR-L | 27.9 | 19.3 | 77 | 96 | 114 | | | |
| DOUG FIR-T | | | | | | | | |
| INC CED-L | | | | | | | | |
| **TOTAL** | *68.0* | *17.0* | *39* | *47* | *55* | *196* | *49* | *22* |

| CL: 68.1 % | COEFF | | **TREES/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 117.6 | 39.1 | 10 | 16 | 22 | | | |
| PONDEROS-T | 123.3 | 41.0 | 33 | 57 | 80 | | | |
| DOUG FIR-L | 132.5 | 44.1 | 8 | 15 | 22 | | | |
| DOUG FIR-T | 316.2 | 105.2 | | 5 | 10 | | | |
| INC CED-L | 161.0 | 53.6 | 7 | 15 | 23 | | | |
| **TOTAL** | *66.7* | *22.2* | *84* | *108* | *132* | *197* | *49* | *22* |

| CL: 68.1 % | COEFF | | **BASAL AREA/ACRE** | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 116.5 | 38.8 | 15 | 24 | 33 | | | |
| PONDEROS-T | 121.0 | 40.3 | 41 | 68 | 95 | | | |
| DOUG FIR-L | 133.3 | 44.4 | 22 | 40 | 58 | | | |
| DOUG FIR-T | 316.2 | 105.2 | | 4 | 8 | | | |
| INC CED-L | 161.0 | 53.6 | 6 | 12 | 18 | | | |
| **TOTAL** | *61.2* | *20.4* | *118* | *148* | *178* | *166* | *41* | *18* |

# STATISTICS

**PROJECT EDGE**



| TWP | RGE | SECT | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0072 | 15.00 | 10 | 37 | S | W |

| CL: 68.1 % | COEFF | | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR. | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |

| CL: 68.1 % | COEFF | | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 112.3 | 37.4 | 1,569 | 2,506 | 3,442 | | | |
| PONDEROS-T | 119.6 | 39.8 | 3,401 | 5,649 | 7,897 | | | |
| DOUG FIR-L | 133.1 | 44.3 | 3,258 | 5,849 | 8,440 | | | |
| DOUG FIR-T | 316.2 | 105.2 | | 407 | 836 | | | |
| INC CED-L | 161.0 | 53.6 | 213 | 458 | 704 | | | |
| **TOTAL** | *59.1* | *19.7* | *11,947* | *14,870* | *17,792* | *155* | *39* | *17* |

| CL: 68.1 % | COEFF | | NET CUFT FT/ACRE | | | # OF PLOTS REQ. | | INF. POP. |
|---|---|---|---|---|---|---|---|---|
| SD: 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| PONDEROS-L | 115.7 | 38.5 | 405 | 660 | 914 | | | |
| PONDEROS-T | 120.9 | 40.2 | 973 | 1,628 | 2,282 | | | |
| DOUG FIR-L | 133.4 | 44.4 | 771 | 1,386 | 2,002 | | | |
| DOUG FIR-T | 316.2 | 105.2 | | 101 | 207 | | | |
| INC CED-L | 161.0 | 53.6 | 88 | 189 | 290 | | | |
| **TOTAL** | *59.8* | *19.9* | *3,174* | *3,963* | *4,752* | *158* | *40* | *18* |

T TSPCSTGR

# Species, Sort Grade - Board Foot Volumes (Type)

Project: EDGE

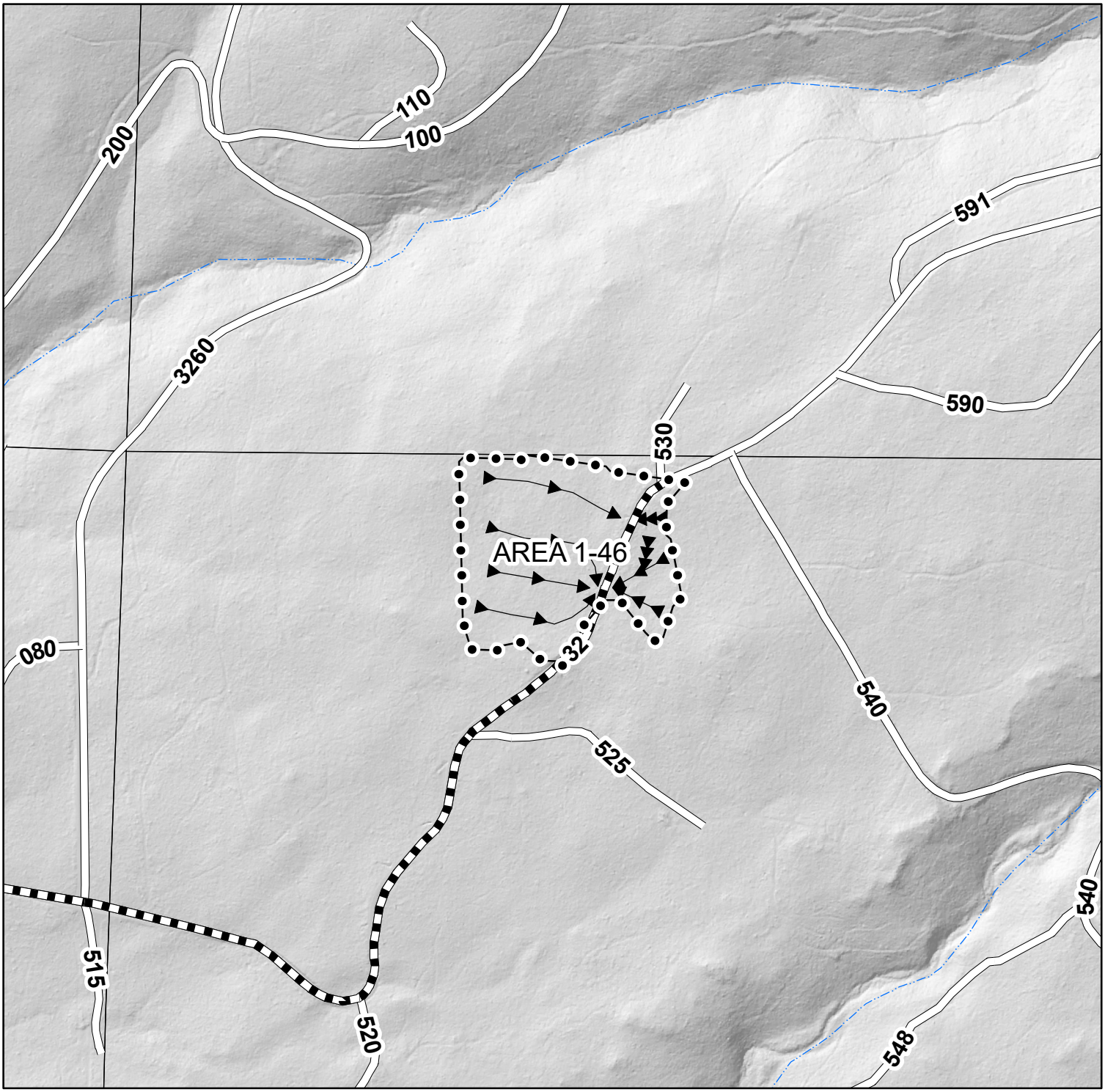
Page 1
Date 7/12/2019
Time 12:06:33PM

T35S R04E S08 T0072

| Twp | Rge | Sec | Tract | Type | Acres | Plots | Sample Trees | CuFt | BdFt |
|---|---|---|---|---|---|---|---|---|---|
| 35S | 04E | 08 | EDGE | 0072 | 15.00 | 10 | 17 | S | W |

T35S R04E S08 T0072

| Spp | ST | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% | Gross | Net | Total Net MBF | Percent Net Board Foot Volume: Log Scale Dia. 4-5 | 6-11 | 12-16 | 17+ | Log Length 12-20 | 21-30 | 31-35 | 36-99 | Average Log Ln Ft | Dia In | Bd Ft | CF/ Lf | Logs Per /Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PP | T | DO | CU | | | | | | | | | | | | | | 5 | 5 | | 0.00 | 21.6 |
| PP | T | DO | 3M | 77 | | 4,363 | 4,363 | 65 | | 100 | | | | | 100 | | 34 | 9 | 95 | 0.77 | 46.0 |
| PP | T | DO | 4M | 23 | | 1,286 | 1,286 | 19 | 100 | | | | 22 | 30 | 49 | | 25 | 5 | 28 | 0.36 | 46.0 |
| **PP T Totals** | | | | 38 | | 5,649 | 5,649 | 85 | 23 | 77 | | | 5 | 7 | 88 | | 25 | 6 | 50 | 0.58 | 113.6 |
| PP | L | DO | 2M | 18 | | 458 | 458 | 7 | | | 100 | | | | 100 | | 34 | 14 | 240 | 1.98 | 1.9 |
| PP | L | DO | 3M | 61 | | 1,531 | 1,531 | 23 | | 62 | 38 | | | | 100 | | 34 | 9 | 108 | 0.79 | 14.2 |
| PP | L | DO | 4M | 21 | | 517 | 517 | 8 | 73 | 27 | | | 56 | 33 | 11 | | 21 | 6 | 27 | 0.37 | 18.9 |
| **PP L Totals** | | | | 17 | | 2,506 | 2,506 | 38 | 15 | 44 | 41 | | 12 | 7 | 82 | | 27 | 7 | 72 | 0.69 | 35.0 |
| DF | L | DO | CU | | | | | | | | | | | | | | 9 | 5 | | 0.00 | 5.5 |
| DF | L | DO | 2M | 71 | | 4,186 | 4,186 | 63 | | | 64 | 36 | | | 100 | | 34 | 15 | 279 | 1.82 | 15.0 |
| DF | L | DO | 3M | 16 | | 919 | 919 | 14 | | 100 | | | | | 100 | | 34 | 9 | 97 | 0.85 | 9.5 |
| DF | L | DO | 4M | 13 | | 743 | 743 | 11 | 33 | 67 | | | | 100 | | | 23 | 7 | 50 | 0.53 | 15.0 |
| **DF L Totals** | | | | 39 | | 5,849 | 5,849 | 88 | 4 | 24 | 45 | 26 | | 13 | 87 | | 27 | 10 | 130 | 1.13 | 45.0 |
| DF | T | DO | 3M | 75 | | 306 | 306 | 5 | | 100 | | | | | 100 | | 34 | 7 | 60 | 0.46 | 5.1 |
| DF | T | DO | 4M | 25 | | 102 | 102 | 2 | 100 | | | | 100 | | | | 20 | 5 | 20 | 0.20 | 5.1 |
| **DF T Totals** | | | | 3 | | 407 | 407 | 6 | 25 | 75 | | | 25 | | 75 | | 27 | 6 | 40 | 0.37 | 10.2 |
| IC | L | DO | 4M | 100 | | 458 | 458 | 7 | 100 | | | | | | 100 | | 31 | 5 | 30 | 0.40 | 15.3 |
| **IC L Totals** | | | | 3 | | 458 | 458 | 7 | 100 | | | | | | 100 | | 31 | 5 | 30 | 0.40 | 15.3 |
| **Type Totals** | | | | | | 14,870 | 14,870 | 223 | 17 | 48 | 25 | 10 | 5 | 9 | 87 | | 26 | 7 | 68 | 0.69 | 219.0 |




Sale Boundary
Haul Route
Other Road

**Streams**

Fish
Nonfish
Fish Use Unknown

Logging Corridors

The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

# LOGGING PLAN
## Sale No. SW-341-2020-GF7718-01
## Edge No. 1 GNA - Timber Sale
## AREA 1-46

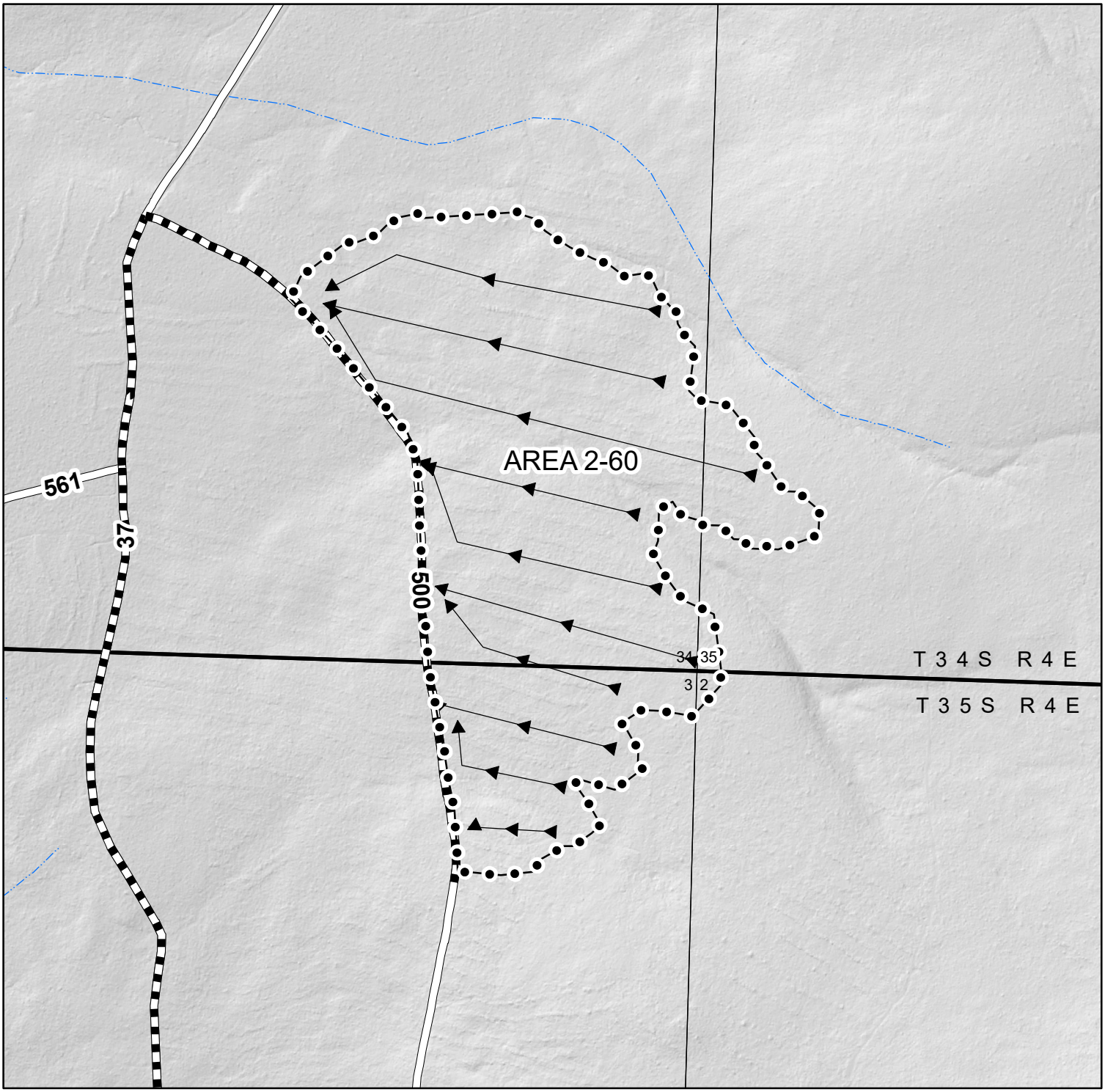
Portions of Sections 2, 3, 4, 7, 8, & 10
T35S, R4E, W.M.
- AND-
Portions of Sections 32, 34, & 35
T34S, R4E, W.M.
Jackson County, Oregon
Regulated Use Area RR-2
Landowner: United States Forest Service

| Sale Area | Cruise Acres |
|---|---|
| 1-46 | 18.8 |
| 2-60 | 91.5 |
| 3-68 | 13.1 |
| 4-70 | 33.3 |
| 5-71 | 33.8 |
| 6-72 | 15.2 |
| **TOTAL** | **205.7** |

N

0 500 1,000

Feet




Sale Boundary
Haul Route
Other Road

**Streams**

Fish
Nonfish
Fish Use Unknown

The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

Logging Corridors

# LOGGING PLAN
## Sale No. SW-341-2020-GF7718-01
## Edge No. 1 GNA - Timber Sale
## AREA 2-60

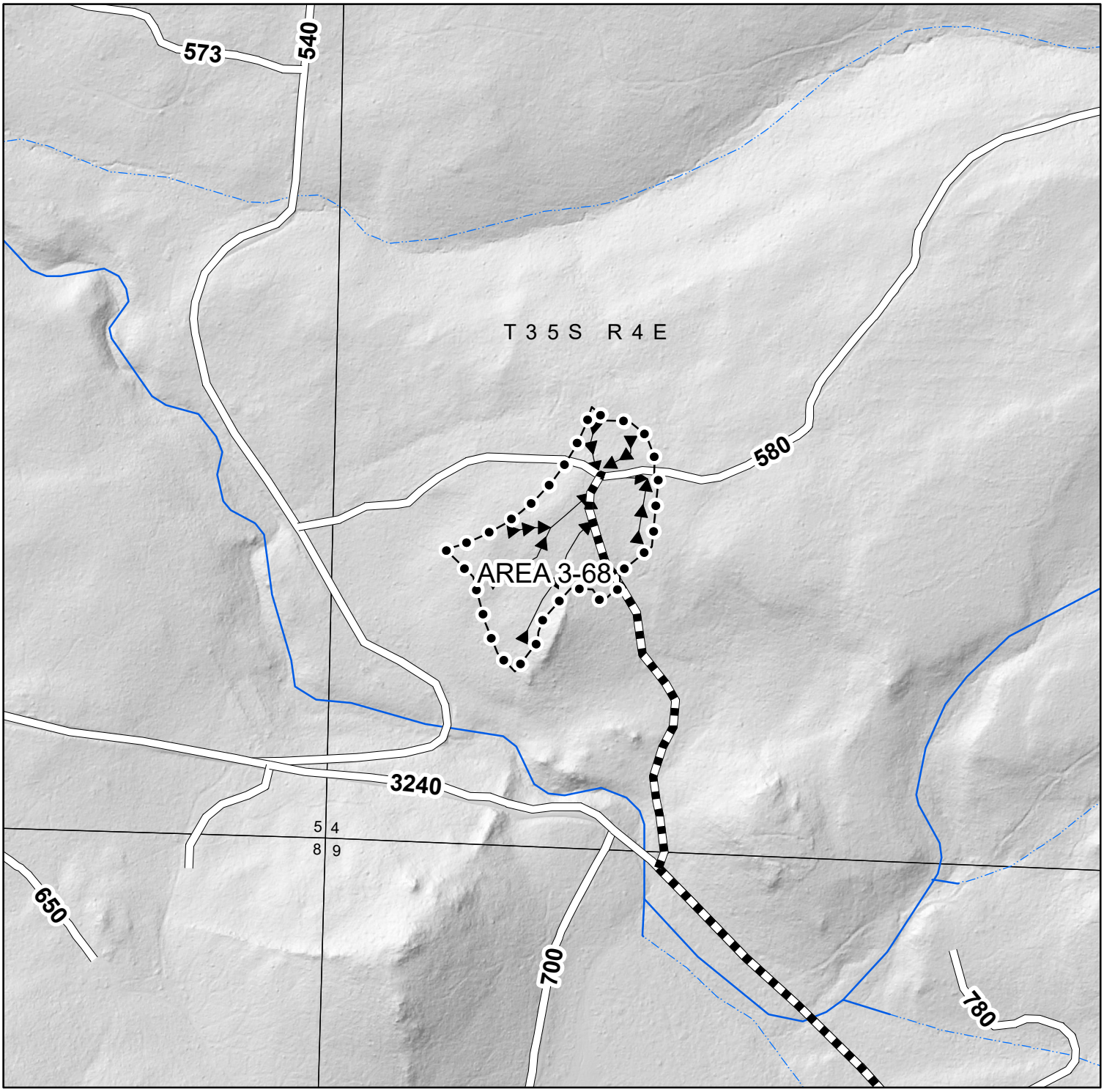
Portions of Sections 2, 3, 4, 7, 8, & 10
T35S, R4E, W.M.
- AND-
Portions of Sections 32, 34, & 35
T34S, R4E, W.M.
Jackson County, Oregon
Regulated Use Area RR-2
Landowner: United States Forest Service

| Sale Area | Cruise Acres |
|---|---|
| 1-46 | 18.8 |
| 2-60 | 91.5 |
| 3-68 | 13.1 |
| 4-70 | 33.3 |
| 5-71 | 33.8 |
| 6-72 | 15.2 |
| **TOTAL** | **205.7** |

N

0 500 1,000

Feet




Sale Boundary
Haul Route
Other Road

**Streams**

Fish
Nonfish
Fish Use Unknown

Logging Corridors

The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

# LOGGING PLAN
## Sale No. SW-341-2020-GF7718-01
## Edge No. 1 GNA - Timber Sale
## AREA 3-68

Portions of Sections 2, 3, 4, 7, 8, & 10
T35S, R4E, W.M.
- AND-
Portions of Sections 32, 34, & 35
T34S, R4E, W.M.
Jackson County, Oregon
Regulated Use Area RR-2
Landowner: United States Forest Service

| Sale Area | Cruise Acres |
|---|---|
| 1-46 | 18.8 |
| 2-60 | 91.5 |
| 3-68 | 13.1 |
| 4-70 | 33.3 |
| 5-71 | 33.8 |
| 6-72 | 15.2 |
| **TOTAL** | **205.7** |

N

0 500 1,000
Feet


Sale Boundary
Haul Route
Other Road

**Streams**

Fish
Nonfish
Fish Use Unknown

The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

Logging Corridors

# LOGGING PLAN
## Sale No. SW-341-2020-GF7718-01
## Edge No. 1 GNA - Timber Sale
## AREA 5-71 & 4-70

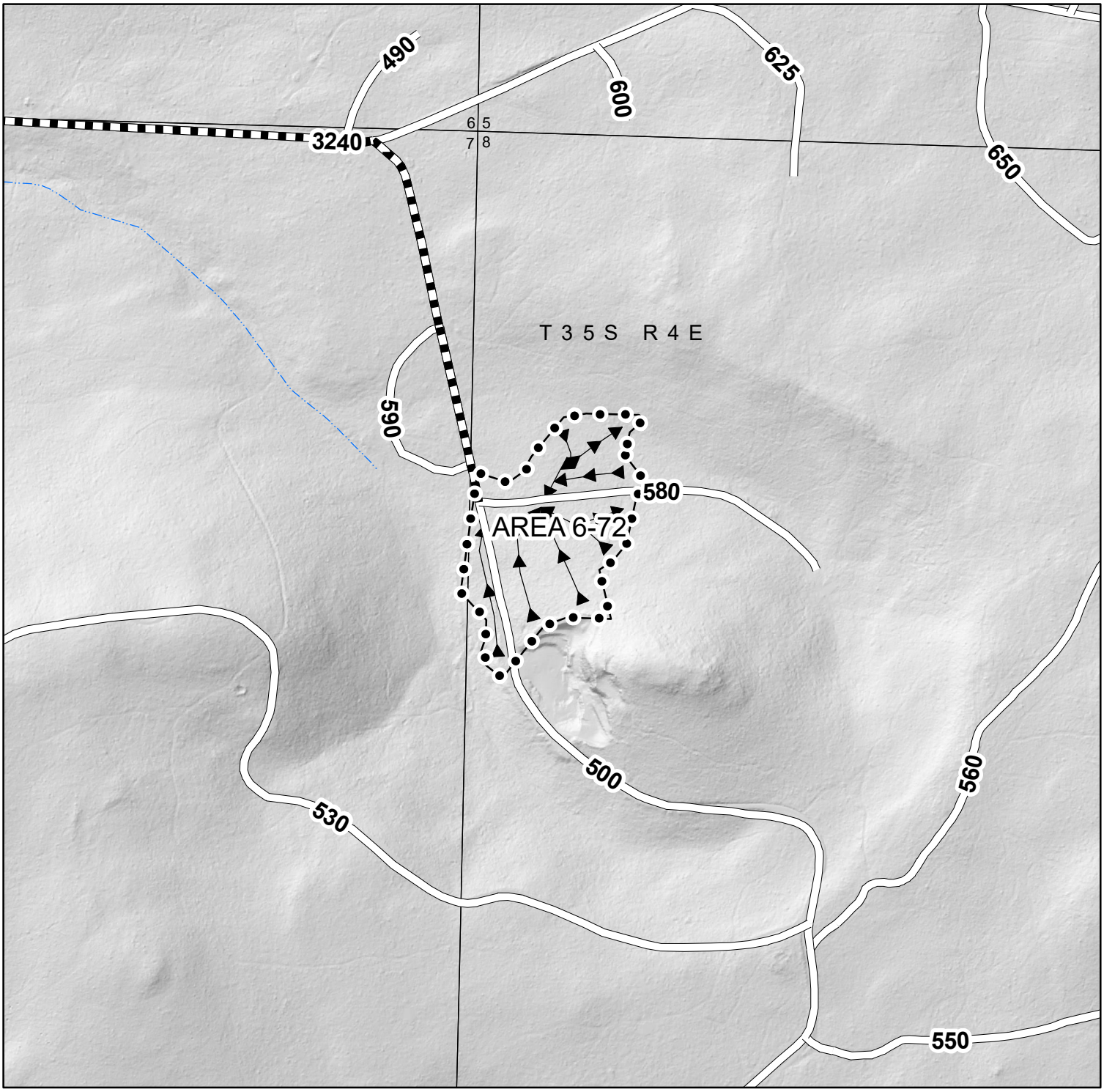
Portions of Sections 2, 3, 4, 7, 8, & 10
T35S, R4E, W.M.
- AND-
Portions of Sections 32, 34, & 35
T34S, R4E, W.M.
Jackson County, Oregon
Regulated Use Area RR-2
Landowner: United States Forest Service

| Sale Area | Cruise Acres |
|---|---|
| 1-46 | 18.8 |
| 2-60 | 91.5 |
| 3-68 | 13.1 |
| 4-70 | 33.3 |
| 5-71 | 33.8 |
| 6-72 | 15.2 |
| **TOTAL** | **205.7** |

N

0 500 1,000

Feet




Sale Boundary
Haul Route
Other Road
Logging Corridors

**Streams**

Fish
Nonfish
Fish Use Unknown

The information shown on Exhibit "A" map(s) are approximate locations. Exact locations of features represented by map symbols will be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

# LOGGING PLAN
## Sale No. SW-341-2020-GF7718-01
## Edge No. 1 GNA - Timber Sale
## AREA 6-72

Portions of Sections 2, 3, 4, 7, 8, & 10
T35S, R4E, W.M.
- AND-
Portions of Sections 32, 34, & 35
T34S, R4E, W.M.
Jackson County, Oregon
Regulated Use Area RR-2
Landowner: United States Forest Service

| Sale Area | Cruise Acres |
|---|---|
| 1-46 | 18.8 |
| 2-60 | 91.5 |
| 3-68 | 13.1 |
| 4-70 | 33.3 |
| 5-71 | 33.8 |
| 6-72 | 15.2 |
| **TOTAL** | **205.7** |

N

0 500 1,000
Feet