



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
BKS GNA Timber Sale
Sale SW-341-2020-GF7918-07

District: Southwest

Date: December 16, 2019

Cost Summary

| | Conifer | Hardwood | Total |
|--------------------------------|----------------|--------------------------|---------------|
| Gross Timber Sale Value | \$315,803.07 | \$0.00 | \$315,803.07 |
| | | Project Work: | (\$17,689.62) |
| | | Advertised Value: | \$298,113.45 |



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Timber Description

Location: T37 S R8W Sec 13 (Unit 1 and 2) Sec 1 (Unit 3) Located five miles North of Selma. Unit 1 and 2 are located up Forest Service Road 25 and Unit 3 is located up Slate Creek 20 Road.

Stand Stocking: 85%

| Specie Name | AvgDBH | Amortization (%) | Recovery (%) |
|----------------|--------|------------------|--------------|
| Douglas - Fir | 15 | 0 | 90 |
| Ponderosa Pine | 12 | 0 | 90 |

| Volume by Grade | 2S | 3S & 4S 6"-11" | Camprun | Total |
|-----------------|-----|----------------|---------|-------|
| Douglas - Fir | 216 | 969 | 0 | 1,185 |
| Ponderosa Pine | 0 | 0 | 29 | 29 |
| Total | 216 | 969 | 29 | 1,214 |

Comments: BKS GNA Timber Sale out of Grants Pass field office.

SOURCE OF POND VALUES

Local Pond Values, October, 2019

PRICING FOR SPECIES NOT LISTED IN VOLUME TABLE
(Pond Value minus Logging Costs = Stumpage)

White Fir and other true fir, \$478/MBF - \$367.88/MBF = \$110.12/MBF
Incense Cedar other cedars, \$700/MBF - \$367.88/MBF = \$332.12/MBF

PULP PRICE

Pulp (Conifer and Hardwood) = \$5/ton

SEE PROJECT COST SUMMARY:

OTHER COSTS WITH PROFIT AND RISK TO BE ADDED

Road Brushing (Light) \$1,225
Waterbars, Skid Roads \$2,200
Temporary Road Closure \$1,000
Dust Abatement \$2,896
TOTAL \$7,321

OTHER COSTS NO PROFIT AND RISK ADDED

Equipment Weed Wash \$350

SLASH DISPOSAL COSTS

Landing Piles \$4,000

ROAD MAINTENANCE COSTS = 1.98/MBF



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Logging Costs

| | |
|-----------------------------------|--------------------------------------|
| Operating Seasons: 1.00 | Profit Risk: 15% |
| Project Costs: \$17,689.62 | Other Costs (P/R): \$7,321.00 |
| Slash Disposal: \$4,000.00 | Other Costs: \$350.00 |

Miles of Road

Road Maintenance: \$0.00

| Dirt | Rock (Contractor) | Rock (State) | Paved |
|------|----------------------|-----------------|-------|
| 3.0 | 0.0 | 0.0 | 0.0 |

Hauling Costs

| Species | \$ / MBF | Trips/Day | MBF / Load |
|----------------|----------|-----------|------------|
| Douglas - Fir | \$0.00 | 3.0 | 4.0 |
| Ponderosa Pine | \$0.00 | 3.0 | 3.8 |



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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 |
|-----------------------|------------|--------------|---------|----------------|---------------|----------------|---------------|--------|----------|
| Douglas - Fir | | | | | | | | | |
| \$216.32 | \$1.98 | \$3.62 | \$87.09 | \$6.03 | \$47.26 | \$3.29 | \$2.00 | \$0.29 | \$367.88 |
| Ponderosa Pine | | | | | | | | | |
| \$146.05 | \$1.98 | \$3.62 | \$91.66 | \$6.03 | \$37.40 | \$3.29 | \$2.00 | \$0.29 | \$292.32 |

| Specie | Amortization | Pond Value | Stumpage | Amortized |
|----------------|--------------|------------|----------|-----------|
| Douglas - Fir | \$0.00 | \$631.99 | \$264.11 | \$0.00 |
| Ponderosa Pine | \$0.00 | \$390.00 | \$97.68 | \$0.00 |



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Date: December 16, 2019

Summary

Amortized

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

Unamortized

| Specie | MBF | Value | Total |
|----------------|-------|----------|--------------|
| Douglas - Fir | 1,185 | \$264.11 | \$312,970.35 |
| Ponderosa Pine | 29 | \$97.68 | \$2,832.72 |

Gross Timber Sale Value

Recovery: \$315,803.07

Prepared By: Kyle Syfert

Phone: 541-471-3152

PROJECT SUMMARY

Purchaser would only be reimbursed for projects accomplished to specifications. For Example, if any project is deleted in the operations plan, and not accomplished, Purchaser would not be reimbursed.

Project 1

| Temporary Road Construction and Improvement | Length Ft | Stations | Acres | Base Rate | |
|--|-----------|----------|--------|-----------|-----------|
| B - D Off 742 Road into Unit 2 | | | | | |
| Excavation | 3176 | 31.76 | | \$122 | \$3,875 |
| Clearing and Grubbing - Scatter outside ROW | 3176 | | 1.4582 | \$1,337 | \$1,950 |
| Slate Creek off the 20 Rd into Unit 3 | | | | | |
| E - F Slate Creek off the 20 Rd into Unit 3 | | | | | |
| Excavation | 3619 | 36.19 | | \$122 | \$4,415 |
| Clearing and Grubbing - Scatter outside ROW | 3619 | | 1.6616 | \$1,337 | \$2,222 |
| | | | | | Subtotal |
| | | | | | \$12,461 |
| | | | | | 12,461.12 |

Project 2

| Surface Replacement (Repairing Potholes) 50 CY on 20 Road T-813 | Yards | \$/Yard | \$/Load | | |
|---|-------|---------|---------|------------|----------|
| Rock \$15/Yard | 50 | \$15.00 | | \$750.00 | |
| Hauling 20 Miles Round Trip (\$2/Mile* 5 trips) | 50 | \$8.00 | \$80 | \$400.00 | |
| Water, Scarify Potholes, Rock and Compact Rock. | 50 | \$19.37 | | \$968.50 | |
| *Stein Quarry in Wilderville approved weed free. | 50 | | | \$2,118.50 | |
| | | | | | Subtotal |
| | | | | | 2,118.50 |

**50 yards (Rock Spec Size 3/4-0" crushed aggregate) as directed by State at 2" depth and 12' running surface

Project 3

| Road Grading/Blading T-811 | Times | | | | |
|----------------------------|----------------|--------|---------|-------|----------|
| | Miles | Graded | \$/Mile | | |
| Do not pull ditches | 20 Rd | 1.2 | 3 | \$300 | \$1,080 |
| | 306 Rd | 1.7 | 3 | \$300 | \$1,530 |
| | A-D | | | | |
| | Move-In Grader | | | | \$500 |
| | | | | | Subtotal |
| | | | | | \$3,110 |
| | | | | | 3,110.00 |

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

Projects Total 17,689.62

SUMMARY OF ADDITIONAL COSTS

| Road Brushing T-842 | Miles \$/Mile | | | |
|------------------------|---------------|-----|-------|-------------------|
| | 20 Rd | 1.2 | \$250 | \$300 |
| | 306 Rd | 1.7 | \$250 | \$425 |
| | 25 Rd | 2 | \$250 | \$500 |
| Light Brushing by hand | | | | \$1,225 |
| | | | | Subtotal 1,225.00 |

| | Stations | | | |
|--|----------|-------|--|-------------------|
| C-D Waterbarring - Temporary Roads, Skid Roads | 11 | \$200 | | Subtotal 2,200.00 |
| Pull slash back across subsoiled skid road for 85% coverage of exposed mineral soil. | | | | |

| | Berms | Hours | \$/Hour | |
|--|-------|-------|---------|-------------------|
| Temporary Road Closure (T-835) | 40 | 10 | \$100 | Subtotal 1,000.00 |
| Road Closure at Point C and E Waterbars from A-D, E-F | | | | |

| Dust Abatement T-812 | | | | | | |
|-----------------------------------|-----------|----------------|---------|--------------|------------|----------|
| | Trips/Day | Miles/ Trip | MPH | Min/ Trip | | |
| Slate Creek 20 Road past pavement | 2 | 1.2 | 5 | 14.4 | | |
| | Days | \$/hour | \$/Trip | \$/ Day | Hours/Trip | Total |
| Watering Road | 30 | \$90 | \$22 | \$43 | | 1,296.00 |
| Refill | 30 | \$90 | \$45 | \$45 | 0.50 | 1,350.00 |
| Move-In | 1 | 1 | \$ 250 | | | 250.00 |

Water = 3,520 gallons per mile (1/2 gallon per yard). Water in the morning or at night. Subtotal 2,896.00
Use Nearest Water Source.

Additional Costs Total 7,321.00

Additional Projects No Profit and Risk

| | Machines | Hours | \$/Hour | |
|--|----------|-------|---------|-----------------|
| Equipment Weed Wash | 7 | 7 | 50 | Subtotal 350.00 |
| All Road Maintenance and Logging Equipment would be cleaned prior to entering the Timber Sale Area and Hauling Vicinity. | | | | |

| Slash Disposal | Piles | Hours | \$/Hour | |
|--------------------------------------|-------|-------|---------|-------------------|
| Landing Piling and Firewood Sorting. | 48 | 40 | \$100 | Subtotal 4,000.00 |

TIMBER SALE SUMMARY

1. **Type of Sale:** Recovery sale, sealed bid auction of 149 acres of thinning.
2. **Revenue Distribution:** USFS regional agreement 18-GN-11061000-048
Project GF7918-07 PCA 02604
3. **Sale Acreage:** For the sale, 149 net acres were used for the cruise expansion. Acreage was determined with ArcGIS 10.7 and GPS traverse.
4. **Volume:** The table below describes the volume by grade over the three 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.
5. **Cruise Data:** The volume of the sale is estimated to be 1,214 MBF (7.7% sampling error). 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:** Unit 1 and 2 have Douglas-fir 14" and 17" in diameter and 80-100' tall. Unit 3 on Slate Creek has 15" Douglas-fir 70-90' tall. The volume is greatest in Unit 2. These stands are natural and 60-80 years old. The merchantable species will be almost entirely Douglas-fir with some pine taken in the temp roads. The cruise report gives a breakdown of log lengths and scaling diameters by species for the units in the cruise. Reserve timber has been marked with orange 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. The right-of-way timber is left unmarked in an approximately 30 foot width.
7. **Topography and Logging Method:** The topography of these units varies enough that there will be a variety of different ways to log the sale. Unit 1 has some areas that will allow a harvester for cutting, but should be 100% cable logged to avoid an adverse uphill skid and to pull away from the streams. The north portion may need intermediate supports. Streams in the sale area should not have ground-based equipment within 100'. Unit 2 could be ground-based logged in the southern portion but will need cable in the north. Unit 3 will be a combination of ground and cable on steeper portions greater than 35%. See the detailed logging map which shows the logging plan.
8. **Access:** All hauling routes are located on Federal ground and County Roads. Access is secured to the west out the 742, 306, 25 road system of Units 1 and 2, but not out the old road to the east. Slate Creek to the south is approved for hauling. Oversize loads will need an oversize permit.
9. **Projects:** Road improvement in Slate Creek of 3,176 feet on an old road grade that will need grubbing of stumps. Temporary road construction of 3,619 feet in Unit 2 with stump removal. Placing 50 CY of rock on the gravel portion of Slate Creek (20) Road. Road grading. Road brushing the haul route as needed. Landing piling. Total costs for these projects is \$17,689.62. Road surfacing, blading and dust abatement are all described in in the Project Summary, Sale Prospectus, Maps and Exhibits...
10. **Road Maintenance:** The appraisal also includes \$1.98/MBF for road maintenance (grading, pulling ditches, etc.) in addition to the project costs.
11. **Other Costs:** Dust abatement and weed wash. Slash disposal (landing piling) as described above.
12. **Slash Disposal:** Yard tops to the landing. Purchaser will pile slash on landings with an excavator or log loader, sorting out firewood into a separate piles. USFS will burn the slash piles.

OREGON DEPARTMENT of FORESTRY CRUISE REPORT

- 1. Acreage Calculation:** For the BKS Timber Sale, there are 149 net cruise acres in the sale area determined by a combination of GPS traverse waypoints and ArcGIS 10.7 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 BKS timber sale was cruised by ODF during the Fall and Winter of 2019. A variable plot cruise was conducted on the sale area.
- 3. RIGHT of WAY VOLUMES:** The right of way area is 4.7 total acres using a 30 foot width for the road right of way. The ROW volume would boost the sale volume up about 40 MBF.
- 4. Sampling Intensity:**

Plots 53 Total Plots (27 Measured, 25 Count Plots)

CV (BDFT) 56.4% (total)
SE (BDFT) 7.7% (total)

As per ODF standards, total harvest volume of conifers and hardwoods ("take" trees) is estimated to be 1,214 MBF ± 93.5 MBF at the 68% confidence level and a sampling error of 7.7%. The volume estimate will be within 1,120.5 MBF and 1,307.5 MBF 68% of the time.

- 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.
- 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: 7/16/2019

VOLUME SUMMARY

| CRUISE VOLUME PER ACRE | | | | | | ADJUSTED VOLUME MBF/ACRE* | | |
|------------------------|------|---------------|---------------|---------------|-----------------|---------------------------|---------------|---------------|
| 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 | 1 | | 3,389 | 1,227 | 4,616 | 0 | 3,253 | 1,178 |
| DF | 2 | 3,308 | 6,983 | 1,974 | 12,265 | 3,176 | 6,704 | 1,895 |
| DF | 3 | 477 | 3,002 | 2,672 | 6,151 | 458 | 2,882 | 2,565 |
| PP,SP | 3 | | 485 | | 485 | 0 | 466 | 0 |
| Sale Volume | | 3,785 | 13,859 | 5,873 | 23,517 | | | |

*Adjusted 4% for hidden cull and breakage

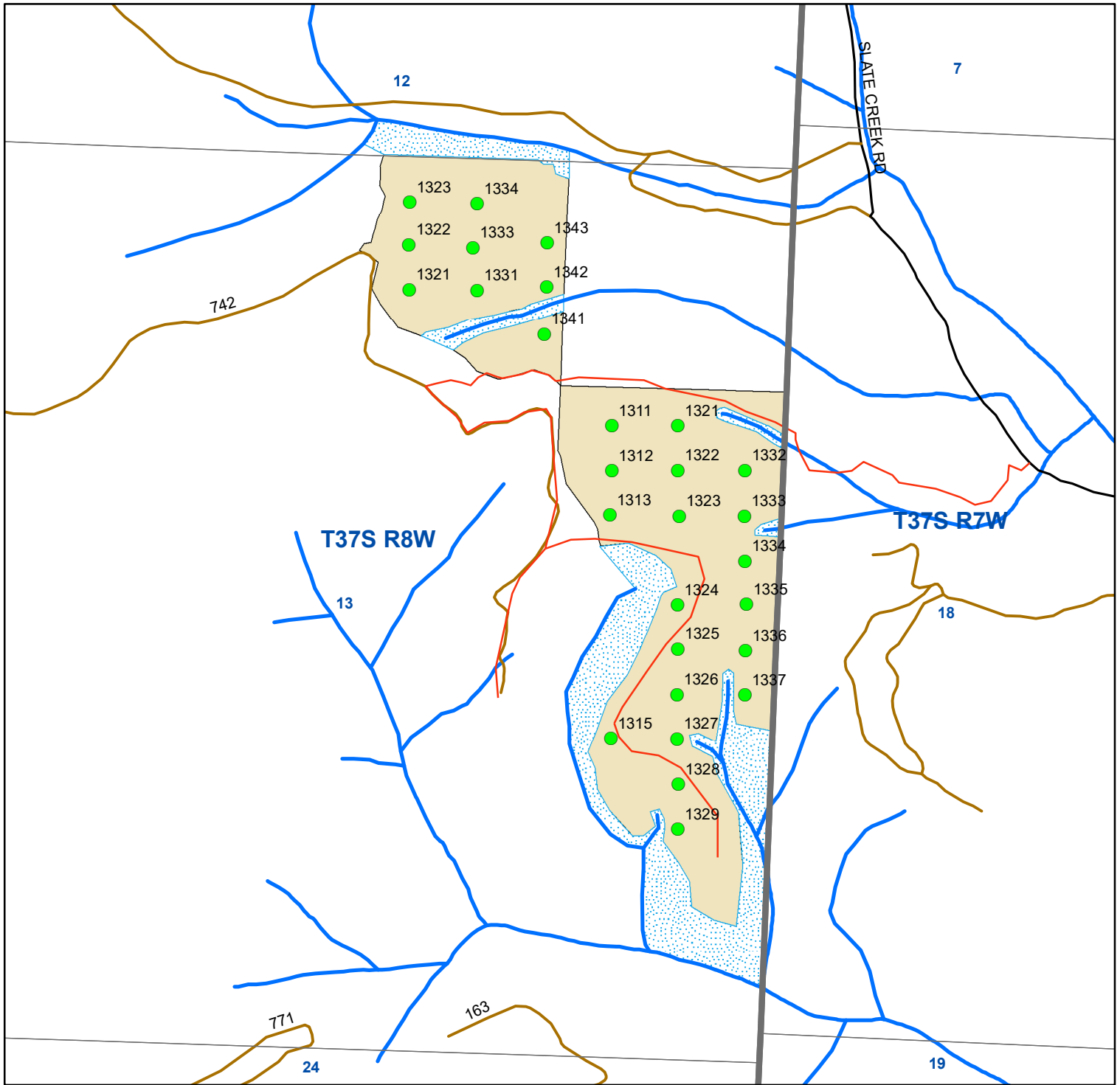
| TOTAL ADJUSTED VOLUME MBF | | | | | | | | |
|---------------------------|------|-----------|---------|---------|---------|--------|-------|--------------|
| Species (Take) | Unit | NET ACRES | 2 Saw | 3 Saw | 4 Saw | 5 Saw | 6 Saw | Total Volume |
| DF | 1 | 28.0 | 0 | 91,096 | 32,982 | 0 | 0 | 124,078 |
| DF | 2 | 59.0 | 187,365 | 395,517 | 111,807 | 0 | 0 | 694,690 |
| DF | 3 | 62.0 | 28,391 | 178,679 | 159,037 | 0 | 0 | 366,108 |
| PP,SP | 3 | | 0 | 0 | 0 | 28,892 | 0 | 28,892 |
| Sale Volume | | 149.0 | 215,756 | 665,292 | 303,827 | 28,892 | 0 | 1,213,767 |

| GRADE BY PERCENTAGE | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|
| | 2 Saw | 3 Saw | 4 Saw | 5 Saw | 6 Saw | Total |
| DF | 18% | 55% | 25% | | 0% | 98% |
| PP | | | | 2% | | 2% |
| Sale Volume | 18% | 55% | 25% | 2% | 0% | 100% |

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

** 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.



Legend

- Cruiseplots
- Rds11182019
- BKS_Streams
- BKS_Strm_Buff
- BKS_Bound_12-13-2019

BKS GNA
Units 1 and 2
Cruise Plot Map
4 x 6 Chain Spacing
T37S R8W Sec 13
Josephine County, OR

Unit Net Acres
 Unit 1 = 28 Ac
 Unit 2 = 59 Ac
 Unit 3 = 62 Ac
 Total = 149 Acres



1:10,000



| TC PSTATS | | PROJECT STATISTICS | | | | | | | PAGE | 1 | |
|--|--------------|--------------------|-------------------|----------------|-----------------------|----------------------|---------------|---------------|--------------|--------------|--|
| | | PROJECT | | BKS | | | DATE | | 12/16/2019 | | |
| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt | | |
| 37S | 08 | 13 | BKS | 013N | 28.00 | 9 | 38 | S | W | | |
| | | PLOTS | TREES | TREES PER PLOT | ESTIMATED TOTAL TREES | PERCENT SAMPLE TREES | | | | | |
| TOTAL | | 9 | 38 | 4.2 | | | | | | | |
| CRUISE | | 3 | 15 | 5.0 | 3,825 | .4 | | | | | |
| DBH COUNT | | | | | | | | | | | |
| REFOREST | | | | | | | | | | | |
| COUNT | | 6 | 23 | 3.8 | | | | | | | |
| 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 | 4 | 47.0 | 13.2 | 69 | 12.3 | 44.8 | 6,128 | 6,128 | 1,420 | 1,420 | |
| DOUG FIR-T | 3 | 41.0 | 13.6 | 80 | 11.2 | 41.1 | 4,616 | 4,616 | 1,194 | 1,185 | |
| OTH HDWD-L | 6 | 46.3 | 13.3 | 60 | 12.3 | 44.8 | | | | | |
| SUG.PINE-L | 2 | 2.4 | 29.4 | 125 | 2.1 | 11.2 | 1,911 | 1,911 | 420 | 414 | |
| TOTAL | 15 | 136.6 | 13.8 | 70 | 38.2 | 141.9 | 12,656 | 12,656 | 3,034 | 3,019 | |
| 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 | | 79.2 | 45.3 | 166 | 303 | 439 | | | | | |
| DOUG FIR-T | | 70.9 | 49.0 | 68 | 133 | 199 | | | | | |
| OTH HDWD-L | | | | | | | | | | | |
| SUG.PINE-L | | 20.0 | 18.7 | 663 | 815 | 967 | | | | | |
| TOTAL | | 107.9 | 34.1 | 194 | 295 | 395 | 511 | 128 | 57 | | |
| 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 | | 73.8 | 42.1 | 40 | 69 | 99 | | | | | |
| DOUG FIR-T | | 65.5 | 45.3 | 18 | 34 | 49 | | | | | |
| OTH HDWD-L | | | | | | | | | | | |
| SUG.PINE-L | | 14.3 | 13.4 | 152 | 176 | 199 | | | | | |
| TOTAL | | 101.6 | 32.1 | 45 | 66 | 88 | 453 | 113 | 50 | | |
| 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 | | 71.9 | 25.4 | 35 | 47 | 59 | | | | | |
| DOUG FIR-T | | 96.6 | 34.1 | 27 | 41 | 55 | | | | | |
| OTH HDWD-L | | 145.2 | 51.3 | 23 | 46 | 70 | | | | | |
| SUG.PINE-L | | 150.8 | 53.2 | 1 | 2 | 4 | | | | | |
| TOTAL | | 41.4 | 14.6 | 117 | 137 | 157 | 77 | 19 | 9 | | |
| CL | 68.1 | COEFF | BASAL AREA/ACRE | | | # OF PLOTS REQ. | | INF. POP. | | | |
| SD: | 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 | | |
| DOUG FIR-L | | 37.5 | 13.2 | 39 | 45 | 51 | | | | | |
| DOUG FIR-T | | 98.3 | 34.7 | 27 | 41 | 55 | | | | | |
| OTH HDWD-L | | 145.2 | 51.3 | 22 | 45 | 68 | | | | | |
| SUG.PINE-L | | 150.0 | 52.9 | 5 | 11 | 17 | | | | | |
| TOTAL | | 44.0 | 15.5 | 120 | 142 | 164 | 87 | 22 | 10 | | |
| 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 | | 31.3 | 11.0 | 5,451 | 6,128 | 6,805 | | | | | |
| DOUG FIR-T | | 101.9 | 36.0 | 2,957 | 4,616 | 6,276 | | | | | |
| OTH HDWD-L | | | | | | | | | | | |
| SUG.PINE-L | | 150.1 | 53.0 | 898 | 1,911 | 2,923 | | | | | |

| TC PSTATS | | PROJECT STATISTICS | | | | | | | PAGE | 2 |
|--------------|------|--------------------|------------------|--------|--------|-----------------|-------|------------|------|---|
| | | PROJECT | | BKS | | | DATE | 12/16/2019 | | |
| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt | |
| 37S | 08 | 13 | BKS | 013N | 28.00 | 9 | 38 | S | W | |
| CL | 68.1 | COEFF | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. | | |
| SD: | 1.00 | VAR. | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 | |
| TOTAL | | 31.7 | 11.2 | 11,242 | 12,656 | 14,070 | 45 | 11 | 5 | |
| 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 | | 32.1 | 11.3 | 1,259 | 1,420 | 1,581 | | | | |
| DOUG FIR-T | | 101.7 | 35.9 | 760 | 1,185 | 1,610 | | | | |
| OTH HDWD-L | | | | | | | | | | |
| SUG.PINE-L | | 150.0 | 52.9 | 195 | 414 | 633 | | | | |
| TOTAL | | 33.1 | 11.7 | 2,666 | 3,019 | 3,371 | 49 | 12 | 5 | |

Species, Sort Grade - Board Foot Volumes (Project)

T37S R08W S13 Ty013N 28.00

Project: BKS
Acres 28.00

Page 1
Date 12/16/2019
Time 7:09:21AM

| Spp | S T | So rt | Gr ad | % Net BdFt | Bd. Ft. per Acre Def% Gross Net | | | Total Net MBF | Percent of Net Board Foot Volume | | | | | | | | Average Log | | | | Logs Per /Acre |
|---------------|---------------|----------|----------|------------------|------------------------------------|--------|-----|------------------|----------------------------------|------|-------|-----|------------|-------|-------|-------|-------------|-----------|----------|-----------|----------------------|
| | | | | | | | | | Log Scale Dia. | | | | Log Length | | | | Ln Ft | Dia In | Bd Ft | CF/ Lf | |
| | | | | | | | | | 4-5 | 6-11 | 12-16 | 17+ | 12-20 | 21-30 | 31-35 | 36-99 | | | | | |
| DF | L | DO2M | | 43 | 2,664 | 2,664 | 75 | | | 48 | 52 | | | 100 | 34 | 16 | 341 | 2.01 | 7.8 | | |
| DF | L | DO3M | | 33 | 2,025 | 2,025 | 57 | | 100 | | | | | 100 | 34 | 10 | 136 | 1.04 | 14.9 | | |
| DF | L | DO4M | | 24 | 1,439 | 1,439 | 40 | 100 | | | | 6 | 74 | | 27 | 5 | 31 | 0.29 | 47.0 | | |
| DF | Totals | | | 48 | 6,128 | 6,128 | 172 | 23 | 33 | 21 | 23 | 1 | 17 | 77 | 5 | 29 | 7 | 88 | 0.70 | 69.7 | |
| DF | T | DOCU | | | | | | | | | | | | | 11 | 5 | | 0.00 | 17.4 | | |
| DF | T | DO3M | | 73 | 3,389 | 3,389 | 95 | | 100 | | | | | 100 | 34 | 8 | 83 | 0.66 | 41.0 | | |
| DF | T | DO4M | | 27 | 1,227 | 1,227 | 34 | 58 | 42 | | | | 100 | | 25 | 6 | 38 | 0.34 | 32.2 | | |
| DF | Totals | | | 36 | 4,616 | 4,616 | 129 | 15 | 85 | | | | 27 | 73 | 26 | 7 | 51 | 0.50 | 90.6 | | |
| SP | L | DO4M | | 100 | 1,911 | 1,911 | 54 | 5 | | 31 | 64 | | | 95 | 5 | 35 | 13 | 268 | 1.64 | 7.1 | |
| SP | Totals | | | 15 | 1,911 | 1,911 | 54 | 5 | | 31 | 64 | | | 95 | 5 | 35 | 13 | 268 | 1.64 | 7.1 | |
| Totals | | | | | 12,656 | 12,656 | 354 | 18 | 47 | 15 | 21 | 1 | 18 | 78 | 3 | 28 | 7 | 76 | 0.65 | 167.5 | |

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CRUISED DATE | | | | | | | |
|----------|----------|-----|-------|--------|-----------|---------|---------|--------------|------------|-----------|--------------|--------------|--------------|-----|-----|
| 37S | 08W | 13 | BKS | 013N | 28.00 | 9 | 15 | 5/1/2019 | | | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees Me. | 16' Ct. | Tot DBH | BA /Ac. | Trees /Ac. | Logs /Ac. | Net CuFu/Ac. | Net BdFu/Ac. | Total CUNITS | MBF | |
| 3N21 | 0001 | 70 | 100 | DF L | 2 | 13.0 | 82 | 67.2 | 70.52 | 104.6 | 2,130 | 9,193 | 66 | 29 | |
| | 0002 | 70 | 100 | OHL | 1 | 13.0 | 62 | 33.6 | 34.69 | | | | | | |
| 3N21 | | 100 | | | 3 | 13.3 | 75 | 100.8 | 105.21 | 104.6 | 2,130 | 9,193 | 66 | 29 | |
| 3N22 | 0001 | 70 | 100 | OHL | 5 | 14.0 | 61 | 168.1 | 157.20 | | | | | | |
| | 0002 | 70 | 100 | OHL | 1 | 11.0 | 65 | 33.6 | 50.93 | | | | | | |
| | 0003 | 70 | 100 | DF L | 1 | 22.0 | 86 | 33.6 | 12.73 | 38.2 | 1,203 | 5,347 | 37 | 17 | |
| | 0004 | 70 | 100 | SP L | 1 | 31.0 | 86 | 33.6 | 6.41 | 19.2 | 1,242 | 5,963 | 39 | 19 | |
| 3N22 | | 100 | | | 8 | 14.7 | 64 | 268.9 | 227.27 | 57.4 | 2,444 | 11,311 | 76 | 35 | |
| 3N23 | 0001 | 70 | 100 | DF L | 1 | 13.0 | 82 | 33.6 | 35.26 | 52.3 | 1,065 | 4,596 | 33 | 14 | |
| | 0002 | 70 | 100 | OHL | 2 | 13.0 | 62 | 67.2 | 69.38 | | | | | | |
| | 0003 | 70 | 100 | DF T | 3 | 13.0 | 85 | 100.8 | 100.58 | 179.7 | 2,908 | 11,331 | 90 | 35 | |
| 3N23 | | 100 | | | 6 | 13.4 | 77 | 201.7 | 205.22 | 232.0 | 3,973 | 15,928 | 124 | 50 | |
| 3N31 | 0001 | 70 | 100 | DF L | 1 | 13.0 | 82 | 33.6 | 35.26 | 52.3 | 1,065 | 4,596 | 33 | 14 | |
| | 0002 | 70 | 100 | DF T | 1 | 13.0 | 85 | 33.6 | 33.53 | 59.9 | 969 | 3,777 | 30 | 12 | |
| 3N31 | | 100 | | | 2 | 13.4 | 83 | 67.2 | 68.79 | 112.2 | 2,034 | 8,373 | 63 | 26 | |
| 3N33 | 0001 | 70 | 100 | DF L | 1 | 13.0 | 82 | 33.6 | 35.26 | 52.3 | 1,065 | 4,596 | 33 | 14 | |
| | 0002 | 70 | 100 | OHL | 1 | 13.0 | 62 | 33.6 | 34.69 | | | | | | |
| | 0003 | 70 | 100 | DF T | 3 | 13.0 | 85 | 100.8 | 100.58 | 179.7 | 2,908 | 11,331 | 90 | 35 | |
| 3N33 | | 100 | | | 5 | 13.4 | 80 | 168.1 | 170.53 | 232.0 | 3,973 | 15,928 | 124 | 50 | |
| 3N34 | 0001 | 70 | 100 | DF L | 1 | 24.0 | 87 | 33.6 | 10.70 | 32.1 | 1,325 | 6,098 | 41 | 19 | |
| | 0002 | 70 | 100 | DF T | 1 | 17.0 | 85 | 33.6 | 21.32 | 64.0 | 1,247 | 5,117 | 39 | 16 | |
| | 0003 | 70 | 100 | DF T | 1 | 13.0 | 83 | 33.6 | 36.46 | 72.9 | 987 | 3,646 | 31 | 11 | |
| | 0004 | 70 | 100 | SP L | 1 | 28.0 | 84 | 33.6 | 7.86 | 23.6 | 1,242 | 5,502 | 39 | 17 | |
| 3N34 | | 100 | | | 4 | 18.0 | 84 | 134.4 | 76.34 | 192.6 | 4,800 | 20,364 | 149 | 63 | |
| 3N41 | 0001 | 70 | 100 | DF L | 2 | 13.0 | 82 | 67.2 | 70.52 | 104.6 | 2,130 | 9,193 | 66 | 29 | |
| | 0002 | 70 | 100 | DF T | 1 | 13.0 | 85 | 33.6 | 33.53 | 59.9 | 969 | 3,777 | 30 | 12 | |
| 3N41 | | 100 | | | 3 | 13.3 | 83 | 100.8 | 104.05 | 164.5 | 3,099 | 12,970 | 96 | 40 | |
| 3N42 | 0001 | 70 | 100 | DF T | 1 | 12.0 | 86 | 33.6 | 42.79 | 42.8 | 675 | 2,568 | 21 | 8 | |
| | 0002 | 70 | 100 | DF L | 1 | 8.0 | 81 | 33.6 | 96.29 | 96.3 | 608 | 2,889 | 19 | 9 | |
| | 0003 | 70 | 100 | DF L | 1 | 17.0 | 84 | 33.6 | 21.32 | 42.6 | 1,125 | 4,051 | 35 | 13 | |
| 3N42 | | 100 | | | 3 | 10.7 | 83 | 100.8 | 160.40 | 181.7 | 2,407 | 9,508 | 75 | 30 | |
| 3N43 | 0001 | 70 | 100 | SP L | 1 | 29.0 | 85 | 33.6 | 7.14 | 21.4 | 1,242 | 5,733 | 39 | 18 | |
| | 0002 | 70 | 100 | OHL | 2 | 13.0 | 62 | 67.2 | 69.38 | | | | | | |
| | 0003 | 70 | 100 | DF L | 1 | 13.0 | 82 | 33.6 | 35.26 | 52.3 | 1,065 | 4,596 | 33 | 14 | |
| 3N43 | | 100 | | | 4 | 14.9 | 70 | 134.4 | 111.77 | 73.7 | 2,307 | 10,329 | 72 | 32 | |
| TYPE | | 100 | | | 15 | 23 | 13.8 | 70 | 141.9 | 136.62 | 150.1 | 3,019 | 12,656 | 845 | 354 |

PROJECT STATISTICS
PROJECT BKS

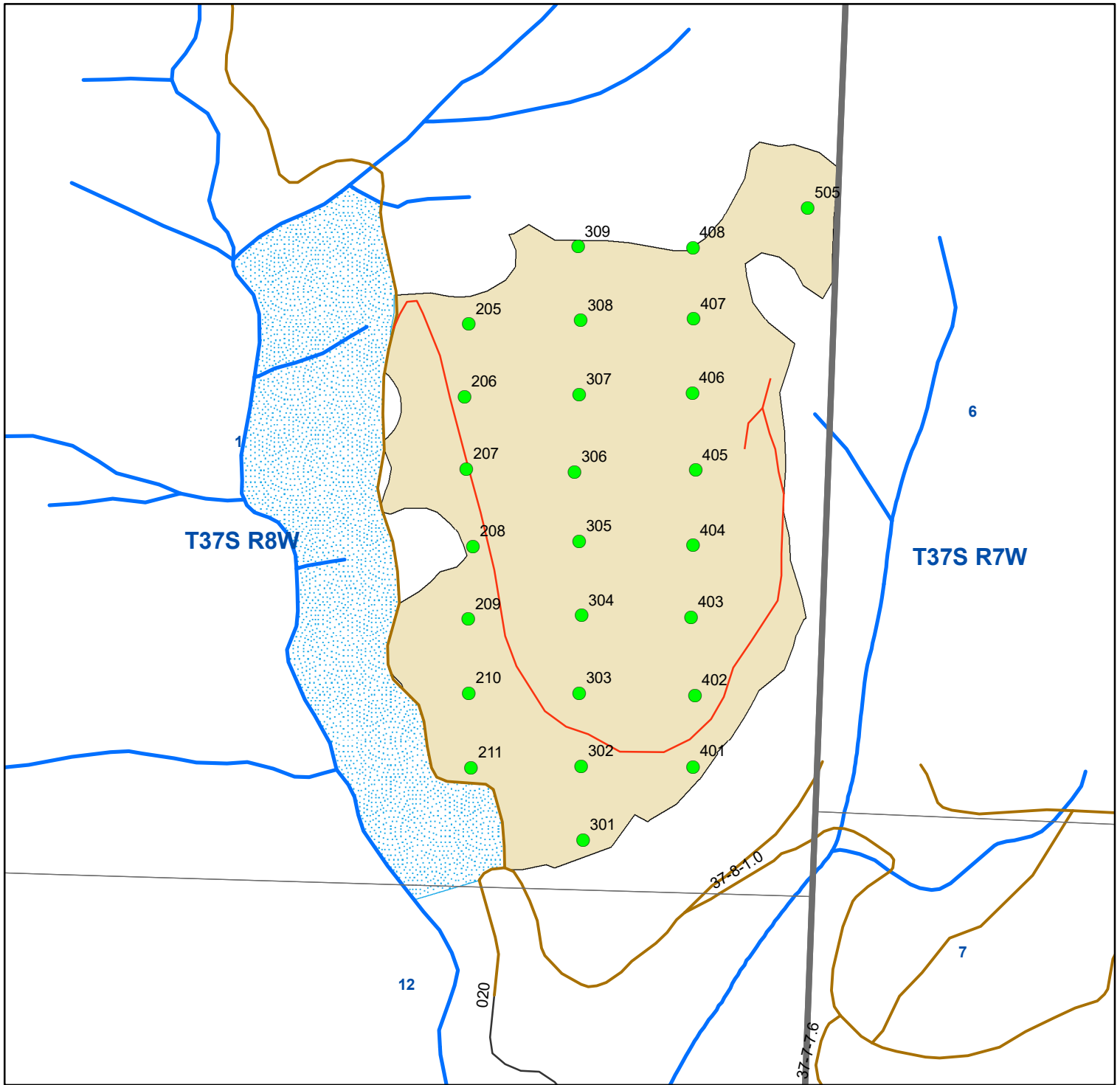
| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt |
|-----|-----|----|-------|------|-------|-------|-------|------|------|
| 37S | 08 | 13 | BKS | 013S | 59.00 | 19 | 99 | S | W |

| CL | 68.1 | COEFF | NET BF/ACRE | | | # OF PLOTS REQ. | | INF. POP. | |
|--------------|------|-------------|-------------|---------------|---------------|-----------------|------------|-----------|-----------|
| SD: | 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 |
| DOUG FIR-L | | 116.6 | 27.5 | 6,657 | 9,178 | 11,700 | | | |
| DOUG FIR-T | | 60.5 | 14.2 | 10,517 | 12,264 | 14,012 | | | |
| SUG.PINE-L | | 155.6 | 36.7 | 2,850 | 4,500 | 6,150 | | | |
| OTH HDWD-L | | | | | | | | | |
| PONDEROS-L | | 299.5 | 70.6 | 142 | 484 | 826 | | | |
| TOTAL | | 55.0 | 13.0 | 23,004 | 26,427 | 29,850 | 128 | 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 | | 112.0 | 26.4 | 1,491 | 2,026 | 2,561 | | | |
| DOUG FIR-T | | 58.2 | 13.7 | 2,578 | 2,987 | 3,397 | | | |
| SUG.PINE-L | | 155.6 | 36.7 | 617 | 974 | 1,330 | | | |
| OTH HDWD-L | | | | | | | | | |
| PONDEROS-L | | 299.5 | 70.6 | 36 | 121 | 206 | | | |
| TOTAL | | 50.7 | 11.9 | 5,378 | 6,108 | 6,837 | 108 | 27 | 12 |

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CRUISED DATE | | | | | | | |
|----------|----------|-----|-------|--------|-----------|---------|---------|--------------|------------|-----------|--------------|-------------|--------------|-----|-----|
| 37S | 08W | 13 | BKS | 013S | 59.00 | 19 | 47 | 5/1/2019 | | | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees Me. | 16' Ct. | Tot DBH | BA /Ac. | Trees /Ac. | Logs /Ac. | Net CuFt/Ac. | Net Bdf/Ac. | Total CUNITS | MBF | |
| 3S11 | 0001 | 70 | 100 | DF T | 3 | 16.0 | 84 | 94 | 100.8 | 67.09 | 146.0 | 3,547 | 14,564 | 110 | 45 |
| 3S11 | | | 100 | | 3 | 16.6 | 84 | 94 | 100.8 | 67.09 | 146.0 | 3,547 | 14,564 | 110 | 45 |
| 3S12 | 0001 | 70 | 100 | DF T | 1 | 10.0 | 88 | 72 | 33.6 | 61.62 | 61.6 | 669 | 3,081 | 21 | 10 |
| | 0002 | 70 | 100 | DF L | 1 | 27.0 | 86 | 125 | 33.6 | 8.45 | 25.4 | 1,495 | 6,678 | 46 | 21 |
| | 0003 | 70 | 100 | DF L | 1 | 46.0 | 86 | 143 | 33.6 | 2.91 | 11.6 | 1,652 | 9,494 | 51 | 29 |
| | 0004 | 70 | 100 | OH L | 1 | 16.0 | 80 | 40 | 33.6 | 24.07 | | | | | |
| | 0005 | 70 | 100 | DF T | 1 | 26.0 | 87 | 123 | 33.6 | 9.12 | 27.3 | 1,450 | 6,655 | 45 | 21 |
| | 0006 | 70 | 100 | DF L | 1 | 35.0 | 84 | 131 | 33.6 | 5.03 | 20.1 | 1,423 | 7,747 | 44 | 24 |
| | 0007 | 70 | 100 | SP L | 1 | 37.0 | 85 | 139 | 33.6 | 4.50 | 18.0 | 1,376 | 7,022 | 43 | 22 |
| | 0008 | 70 | 100 | DF L | 1 | 32.0 | 83 | 139 | 33.6 | 6.02 | 24.1 | 1,532 | 7,582 | 48 | 24 |
| | 0009 | 70 | 100 | DF T | 1 | 32.0 | 83 | 139 | 33.6 | 6.02 | 24.1 | 1,532 | 7,582 | 48 | 24 |
| | 0010 | 70 | 100 | DF T | 1 | 22.0 | 81 | 120 | 33.6 | 12.73 | 38.2 | 1,322 | 5,347 | 41 | 17 |
| | 0011 | 70 | 100 | DF T | 1 | 22.0 | 81 | 80 | 33.6 | 12.73 | 25.5 | 993 | 3,183 | 31 | 10 |
| 3S12 | | | 100 | | 11 | 21.0 | 85 | 88 | 369.7 | 153.21 | 275.9 | 13,444 | 64,372 | 417 | 200 |
| 3S13 | 0001 | 70 | 100 | DF T | 2 | 16.0 | 84 | 94 | 67.2 | 44.73 | 97.4 | 2,365 | 9,709 | 73 | 30 |
| | 0002 | 70 | 100 | SP L | 1 | 27.0 | 84 | 120 | 33.6 | 8.38 | 26.6 | 1,233 | 5,700 | 38 | 18 |
| | 0003 | 70 | 100 | OH L | 1 | 16.0 | 80 | 52 | 33.6 | 23.64 | | | | | |
| 3S13 | | | 100 | | 4 | 17.9 | 83 | 84 | 134.4 | 76.74 | 124.0 | 3,598 | 15,409 | 112 | 48 |
| 3S15 | 0001 | 70 | 100 | DF T | 4 | 16.0 | 84 | 94 | 134.4 | 89.45 | 194.7 | 4,730 | 19,419 | 147 | 60 |
| 3S15 | | | 100 | | 4 | 16.6 | 84 | 94 | 134.4 | 89.45 | 194.7 | 4,730 | 19,419 | 147 | 60 |
| 3S21 | 0001 | 70 | 100 | DF L | 5 | 21.0 | 84 | 106 | 168.1 | 66.72 | 181.7 | 6,415 | 29,065 | 199 | 90 |
| 3S21 | | | 100 | | 5 | 21.5 | 84 | 106 | 168.1 | 66.72 | 181.7 | 6,415 | 29,065 | 199 | 90 |
| 3S22 | 0001 | 70 | 100 | DF L | 1 | 15.0 | 83 | 94 | 33.6 | 27.39 | 54.8 | 1,070 | 3,834 | 33 | 12 |
| | 0002 | 70 | 100 | DF L | 1 | 15.0 | 84 | 95 | 33.6 | 27.39 | 54.8 | 1,180 | 4,656 | 37 | 14 |
| | 0003 | 70 | 100 | DF T | 1 | 15.0 | 83 | 88 | 33.6 | 27.39 | 54.8 | 1,030 | 3,560 | 32 | 11 |
| | 0004 | 70 | 100 | DF T | 1 | 14.0 | 84 | 89 | 33.6 | 31.44 | 62.9 | 1,098 | 4,087 | 34 | 13 |
| 3S22 | | | 100 | | 4 | 14.7 | 84 | 91 | 134.4 | 113.60 | 227.2 | 4,379 | 16,138 | 136 | 50 |
| 3S23 | 0001 | 70 | 100 | DF L | 3 | 21.0 | 84 | 106 | 100.8 | 40.03 | 109.0 | 3,849 | 17,439 | 120 | 54 |
| | 0002 | 70 | 100 | DF T | 4 | 16.0 | 84 | 94 | 134.4 | 89.45 | 194.7 | 4,730 | 19,419 | 147 | 60 |
| 3S23 | | | 100 | | 7 | 18.3 | 84 | 98 | 235.3 | 129.48 | 303.8 | 8,579 | 36,858 | 266 | 114 |
| 3S24 | 0001 | 70 | 100 | PP L | 1 | 24.0 | 82 | 103 | 33.6 | 10.70 | 32.1 | 1,148 | 4,600 | 36 | 14 |
| | 0002 | 70 | 100 | SP L | 1 | 38.0 | 83 | 145 | 33.6 | 4.27 | 17.1 | 1,391 | 7,212 | 43 | 22 |
| | 0003 | 70 | 100 | DF L | 1 | 15.0 | 81 | 84 | 33.6 | 27.39 | 54.8 | 1,007 | 3,560 | 31 | 11 |
| | 0004 | 70 | 100 | DF T | 1 | 14.0 | 83 | 91 | 33.6 | 31.44 | 62.9 | 1,107 | 4,402 | 34 | 14 |
| | 0005 | 70 | 100 | DF T | 1 | 14.0 | 81 | 74 | 33.6 | 31.44 | 62.9 | 911 | 2,830 | 28 | 9 |
| 3S24 | | | 100 | | 5 | 17.1 | 82 | 88 | 168.1 | 105.23 | 229.7 | 5,563 | 22,604 | 173 | 70 |
| 3S25 | 0001 | 70 | 100 | DF L | 4 | 21.0 | 84 | 106 | 134.4 | 53.37 | 145.4 | 5,132 | 23,252 | 159 | 72 |
| | 0002 | 70 | 100 | DF T | 3 | 16.0 | 84 | 94 | 100.8 | 67.09 | 146.0 | 3,547 | 14,564 | 110 | 45 |
| 3S25 | | | 100 | | 7 | 18.9 | 84 | 99 | 235.3 | 120.46 | 291.4 | 8,680 | 37,816 | 270 | 117 |
| 3S26 | 0003 | 70 | 100 | DF L | 1 | 22.0 | 82 | 100 | 33.6 | 12.73 | 38.2 | 1,154 | 4,584 | 36 | 14 |
| | 0004 | 70 | 100 | DF T | 1 | 15.0 | 81 | 90 | 33.6 | 27.39 | 54.8 | 1,038 | 3,834 | 32 | 12 |
| | 0005 | 70 | 100 | DF L | 1 | 47.0 | 65 | 123 | 33.6 | 2.79 | 11.2 | 824 | 4,547 | 26 | 14 |
| | 0006 | 70 | 100 | SP L | 1 | 20.0 | 82 | 110 | 33.6 | 15.41 | 46.2 | 1,073 | 4,005 | 33 | 12 |
| 3S26 | | | 100 | | 4 | 20.6 | 81 | 99 | 134.4 | 58.32 | 150.3 | 4,090 | 16,970 | 127 | 53 |
| 3S27 | 0001 | 70 | 100 | DF T | 3 | 16.0 | 84 | 94 | 100.8 | 67.09 | 146.0 | 3,547 | 14,564 | 110 | 45 |
| | 0002 | 70 | 100 | PP L | 1 | 23.0 | 82 | 103 | 33.6 | 10.70 | 32.1 | 1,148 | 4,600 | 36 | 14 |

| TC PLOTTREELIST | | | | Plot Tree List - Volumes | | | | | | | Page | 2 | | | |
|-----------------|----------|-----|-------|--------------------------|-----------|---------|---------|---------|------------|--------------|--------------|--------------|--------------|-------|-------|
| | | | | Project | BKS | | | Date | 12/16/2019 | | | | | | |
| TWP | RGE | SC | TRACT | TYPE | | ACRES | | PLOTS | TREES | CRUISED DATE | | | | | |
| 37S | 08W | 13 | BKS | 013S | | 59.00 | | 19 | 47 | 5/1/2019 | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees Me. | 16' Ct. | Tot DBH | BA /Ac. | Trees /Ac. | Logs /Ac. | Net CuFt/Ac. | Net BdFt/Ac. | Total CUNITS | MBF | |
| 3S27 | | | | 100 | 4 | 17.8 | 84 | 95 | 134.4 | 77.79 | 178.1 | 4,695 | 19,164 | 146 | 60 |
| 3S28 | 0001 | 70 | 100 | DF T | 1 | 16.0 | 83 | 91 | 33.6 | 24.07 | 48.1 | 1,090 | 4,092 | 34 | 13 |
| | 0002 | 70 | 100 | DF L | 1 | 30.0 | 82 | 96 | 33.6 | 6.85 | 20.5 | 1,113 | 4,861 | 35 | 15 |
| | 0003 | 70 | 100 | SP L | 1 | 34.0 | 86 | 107 | 33.6 | 5.33 | 16.0 | 1,134 | 5,224 | 35 | 16 |
| 3S28 | | | | 100 | 3 | 22.6 | 83 | 94 | 100.8 | 36.25 | 84.7 | 3,337 | 14,178 | 104 | 44 |
| 3S29 | 0001 | 70 | 100 | SP L | 5 | 27.0 | 84 | 120 | 168.1 | 41.89 | 133.0 | 6,166 | 28,500 | 191 | 89 |
| | 0002 | 70 | 100 | DF T | 2 | 16.0 | 84 | 94 | 67.2 | 44.73 | 97.4 | 2,365 | 9,709 | 73 | 30 |
| 3S29 | | | | 100 | 7 | 22.3 | 84 | 107 | 235.3 | 86.62 | 230.3 | 8,531 | 38,210 | 265 | 119 |
| 3S32 | 0001 | 70 | 100 | DF L | 1 | 24.0 | 86 | 110 | 33.6 | 10.70 | 32.1 | 1,259 | 5,563 | 39 | 17 |
| | 0002 | 70 | 100 | DF T | 1 | 21.0 | 83 | 112 | 33.6 | 13.97 | 41.9 | 1,280 | 5,589 | 40 | 17 |
| | 0003 | 70 | 100 | DF T | 1 | 22.0 | 87 | 127 | 33.6 | 12.73 | 38.2 | 1,518 | 7,003 | 47 | 22 |
| | 0004 | 70 | 100 | OHL | 1 | 14.0 | 80 | 58 | 33.6 | 31.44 | | | | | |
| 3S32 | | | | 100 | 4 | 18.9 | 83 | 90 | 134.4 | 68.84 | 112.2 | 4,057 | 18,155 | 126 | 56 |
| 3S33 | 0001 | 70 | 100 | DF L | 2 | 21.0 | 84 | 106 | 67.2 | 26.69 | 72.7 | 2,566 | 11,626 | 80 | 36 |
| | 0002 | 70 | 100 | SP L | 2 | 27.0 | 84 | 120 | 67.2 | 16.76 | 53.2 | 2,466 | 11,400 | 77 | 35 |
| | 0003 | 70 | 100 | DF T | 2 | 16.0 | 84 | 94 | 67.2 | 44.73 | 97.4 | 2,365 | 9,709 | 73 | 30 |
| 3S33 | | | | 100 | 6 | 20.5 | 84 | 103 | 201.7 | 88.17 | 223.2 | 7,398 | 32,736 | 230 | 102 |
| 3S34 | 0001 | 70 | 100 | DF L | 1 | 17.0 | 86 | 105 | 33.6 | 21.32 | 64.0 | 1,175 | 5,117 | 36 | 16 |
| | 0002 | 70 | 100 | DF T | 1 | 14.0 | 84 | 100 | 33.6 | 31.44 | 62.9 | 1,162 | 4,402 | 36 | 14 |
| | 0003 | 70 | 100 | DF L | 1 | 31.0 | 84 | 131 | 33.6 | 6.41 | 25.6 | 1,473 | 7,246 | 46 | 23 |
| | 0004 | 70 | 100 | DF T | 1 | 19.0 | 85 | 108 | 33.6 | 17.07 | 51.2 | 1,286 | 5,121 | 40 | 16 |
| | 0005 | 70 | 100 | DF L | 1 | 19.0 | 85 | 120 | 33.6 | 17.07 | 51.2 | 1,413 | 5,975 | 44 | 19 |
| | 0006 | 70 | 100 | DF T | 1 | 12.0 | 84 | 90 | 33.6 | 42.79 | 85.6 | 999 | 3,851 | 31 | 12 |
| | 0007 | 70 | 100 | DF L | 1 | 19.0 | 85 | 120 | 33.6 | 17.07 | 51.2 | 1,413 | 5,975 | 44 | 19 |
| | 0008 | 70 | 100 | DF T | 1 | 25.0 | 85 | 135 | 33.6 | 9.86 | 39.4 | 1,535 | 7,296 | 48 | 23 |
| | 0009 | 70 | 100 | OHL | 1 | 20.0 | 78 | 60 | 33.6 | 15.41 | | | | | |
| 3S34 | | | | 100 | 9 | 17.6 | 84 | 102 | 302.5 | 178.44 | 431.2 | 10,456 | 44,983 | 325 | 140 |
| 3S35 | 0001 | 70 | 100 | DF L | | | | | | | | | | | |
| 3S35 | | | | | | | | | 0.00 | | | | | | |
| 3S36 | 0001 | 70 | 100 | DF T | 1 | 20.0 | 84 | 105 | 33.6 | 15.41 | 46.2 | 1,167 | 4,622 | 36 | 14 |
| | 0002 | 70 | 100 | DF L | 1 | 21.0 | 85 | 118 | 33.6 | 13.97 | 41.9 | 1,347 | 5,589 | 42 | 17 |
| | 0003 | 70 | 100 | DF T | 1 | 16.0 | 86 | 115 | 33.6 | 24.07 | 72.2 | 1,371 | 5,777 | 43 | 18 |
| | 0004 | 70 | 100 | DF T | 1 | 28.0 | 84 | 124 | 33.6 | 7.86 | 23.6 | 1,425 | 6,209 | 44 | 19 |
| | 0005 | 70 | 100 | SP L | 1 | 26.0 | 85 | 120 | 33.6 | 9.12 | 27.3 | 1,232 | 5,378 | 38 | 17 |
| | 0006 | 70 | 100 | SP L | 1 | 23.0 | 85 | 122 | 33.6 | 11.65 | 34.9 | 1,193 | 5,359 | 37 | 17 |
| | 0007 | 70 | 100 | DF T | 1 | 18.0 | 80 | 80 | 33.6 | 19.02 | 38.0 | 847 | 3,423 | 26 | 11 |
| 3S36 | | | | 100 | 7 | 20.7 | 84 | 109 | 235.3 | 101.09 | 284.3 | 8,582 | 36,358 | 267 | 113 |
| 3S37 | 0001 | 70 | 100 | DF T | 4 | 16.0 | 84 | 94 | 134.4 | 89.45 | 194.7 | 4,730 | 19,419 | 147 | 60 |
| | 0002 | 70 | 100 | SP L | 1 | 27.0 | 84 | 120 | 33.6 | 8.38 | 26.6 | 1,233 | 5,700 | 38 | 18 |
| 3S37 | | | | 100 | 5 | 17.7 | 84 | 96 | 168.1 | 97.83 | 221.3 | 5,963 | 25,119 | 185 | 78 |
| TYPE | | | | 100 | 47 | 52 | 18.9 | 97 | 175.1 | 90.28 | 204.7 | 6,108 | 26,427 | 3,604 | 1,559 |



Legend

- Cruiseplots
- Rds1182019
- BKS_Streams
- BKS_Strm_Buff
- BKS_Bound_12-13-2019

BKS
 Unit 3 Slate Creek
 Cruise Plot Map
 4 x 6 Chain Spacing
 T37S R8W Sec 1
 Josephine County, OR

Unit Net Acres
 Unit 1 = 28 Ac
 Unit 2 = 59 Ac
 Unit 3 = 62 Ac
 Total = 149 Acres



1:6,000



| PROJECT STATISTICS | | | | | | | | | | PAGE | 1 | |
|--|------|--------------|-------------------|-------------|------------|-----------------------|-----------------|----------------------|---------------|--------------|--------------|--|
| PROJECT BKS | | | | | | | | | | DATE | 12/4/2019 | |
| TC PSTATS | TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt | | |
| | 38S | 08 | 01 | BKS | SLT2 | 62.00 | 25 | 126 | S | W | | |
| | | | | | | ESTIMATED TOTAL TREES | | PERCENT SAMPLE TREES | | | | |
| | | | | PLOTS | TREES | TREES PER PLOT | | | | | | |
| TOTAL | | | | 25 | 126 | 5.0 | | | | | | |
| CRUISE | | | | 15 | 73 | 4.9 | 8,112 | .9 | | | | |
| DBH COUNT | | | | | | | | | | | | |
| REFOREST | | | | | | | | | | | | |
| COUNT | | | | 10 | 49 | 4.9 | | | | | | |
| 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 | | 24 | 36.3 | 17.3 | 65 | 14.2 | 59.2 | 6,664 | 6,526 | 1,728 | 1,728 | |
| DOUG FIR-T | | 27 | 53.1 | 14.5 | 72 | 15.9 | 60.5 | 6,152 | 5,939 | 1,690 | 1,657 | |
| PONDEROS-L | | 10 | 14.3 | 15.5 | 78 | 4.8 | 18.8 | 2,177 | 2,139 | 557 | 557 | |
| PONDEROS-T | | 1 | .3 | 28.0 | 114 | 0.3 | 1.3 | 179 | 179 | 49 | 49 | |
| SUG.PINE-L | | 5 | 7.9 | 17.7 | 79 | 3.2 | 13.4 | 1,041 | 1,041 | 319 | 319 | |
| SUG.PINE-T | | 1 | 1.0 | 22.0 | 95 | 0.6 | 2.7 | 306 | 306 | 80 | 80 | |
| OTH HDWD-L | | 5 | 17.8 | 11.8 | 40 | 3.9 | 13.4 | | | | | |
| TOTAL | | 73 | 130.8 | 15.4 | 67 | 43.2 | 169.4 | 16,519 | 16,129 | 4,423 | 4,390 | |
| 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 | | 185.1 | 39.4 | 270 | 445 | 621 | | | | | | |
| DOUG FIR-T | | 62.6 | 13.3 | 145 | 167 | 190 | | | | | | |
| PONDEROS-L | | 143.6 | 47.8 | 234 | 449 | 664 | | | | | | |
| PONDEROS-T | | | | | | | | | | | | |
| SUG.PINE-L | | 63.6 | 31.6 | 109 | 160 | 211 | | | | | | |
| SUG.PINE-T | | | | | | | | | | | | |
| OTH HDWD-L | | | | | | | | | | | | |
| TOTAL | | 184.9 | 22.6 | 234 | 302 | 370 | 1,365 | 341 | 152 | | | |
| 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 | | 158.7 | 33.8 | 70 | 106 | 142 | | | | | | |
| DOUG FIR-T | | 45.6 | 9.7 | 42 | 46 | 50 | | | | | | |
| PONDEROS-L | | 115.5 | 38.4 | 63 | 102 | 142 | | | | | | |
| PONDEROS-T | | | | | | | | | | | | |
| SUG.PINE-L | | 53.9 | 26.8 | 35 | 48 | 60 | | | | | | |
| SUG.PINE-T | | | | | | | | | | | | |
| OTH HDWD-L | | | | | | | | | | | | |
| TOTAL | | 151.6 | 18.5 | 61 | 74 | 88 | 918 | 229 | 102 | | | |
| 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 | | 105.8 | 21.6 | 28 | 36 | 44 | | | | | | |
| DOUG FIR-T | | 80.2 | 16.3 | 44 | 53 | 62 | | | | | | |
| PONDEROS-L | | 231.1 | 47.1 | 8 | 14 | 21 | | | | | | |
| PONDEROS-T | | 500.0 | 102.0 | | 0 | 1 | | | | | | |
| SUG.PINE-L | | 180.8 | 36.9 | 5 | 8 | 11 | | | | | | |
| SUG.PINE-T | | 346.1 | 70.6 | 0 | 1 | 2 | | | | | | |
| OTH HDWD-L | | 232.1 | 47.3 | 9 | 18 | 26 | | | | | | |
| TOTAL | | 44.3 | 9.0 | 119 | 131 | 143 | 82 | 20 | 9 | | | |
| CL | 68.1 | COEFF | BASAL AREA/ACRE | | | | # OF PLOTS REQ. | | INF. POP. | | | |
| SD: | 1.0 | VAR.% | S.E.% | LOW | AVG | HIGH | 5 | 10 | 15 | | | |

PROJECT STATISTICS
PROJECT BKS

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CuFt | BdFt | | |
|-----|-----|----|--------------|-------------|------------------|---------------|---------------|-----------------|-----------|-----------|-----------|
| 38S | 08 | 01 | BKS | SLT2 | 62.00 | 25 | 126 | S | W | | |
| | | | DOUG FIR-L | 96.0 | 19.6 | 48 | 59 | 71 | | | |
| | | | DOUG FIR-T | 76.9 | 15.7 | 51 | 60 | 70 | | | |
| | | | PONDEROS-L | 137.2 | 28.0 | 14 | 19 | 24 | | | |
| | | | PONDEROS-T | 500.0 | 102.0 | | 1 | 3 | | | |
| | | | SUG.PINE-L | 176.8 | 36.0 | 9 | 13 | 18 | | | |
| | | | SUG.PINE-T | 346.1 | 70.6 | 1 | 3 | 5 | | | |
| | | | OTH HDWD-L | 204.1 | 41.6 | 8 | 13 | 19 | | | |
| | | | TOTAL | 32.6 | 6.7 | 158 | 169 | 181 | 44 | 11 | 5 |
| | | | 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 | 98.9 | 20.2 | 5,210 | 6,526 | 7,841 | | | |
| | | | DOUG FIR-T | 78.4 | 16.0 | 4,989 | 5,939 | 6,888 | | | |
| | | | PONDEROS-L | 129.6 | 26.4 | 1,573 | 2,139 | 2,704 | | | |
| | | | PONDEROS-T | 500.0 | 102.0 | | 179 | 362 | | | |
| | | | SUG.PINE-L | 175.9 | 35.9 | 668 | 1,041 | 1,415 | | | |
| | | | SUG.PINE-T | 346.1 | 70.6 | 90 | 306 | 521 | | | |
| | | | OTH HDWD-L | | | | | | | | |
| | | | TOTAL | 45.4 | 9.3 | 14,635 | 16,129 | 17,624 | 86 | 21 | 10 |
| | | | 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 | 96.7 | 19.7 | 1,387 | 1,728 | 2,069 | | | |
| | | | DOUG FIR-T | 79.6 | 16.2 | 1,388 | 1,657 | 1,926 | | | |
| | | | PONDEROS-L | 127.0 | 25.9 | 413 | 557 | 701 | | | |
| | | | PONDEROS-T | 500.0 | 102.0 | | 49 | 98 | | | |
| | | | SUG.PINE-L | 175.5 | 35.8 | 205 | 319 | 433 | | | |
| | | | SUG.PINE-T | 346.1 | 70.6 | 23 | 80 | 136 | | | |
| | | | OTH HDWD-L | | | | | | | | |
| | | | TOTAL | 45.3 | 9.2 | 3,985 | 4,390 | 4,796 | 85 | 21 | 9 |

Species, Sort Grade - Board Foot Volumes (Project)

T38S R08W S01 TySLT2 62.00

Project: BKS
Acres 62.00

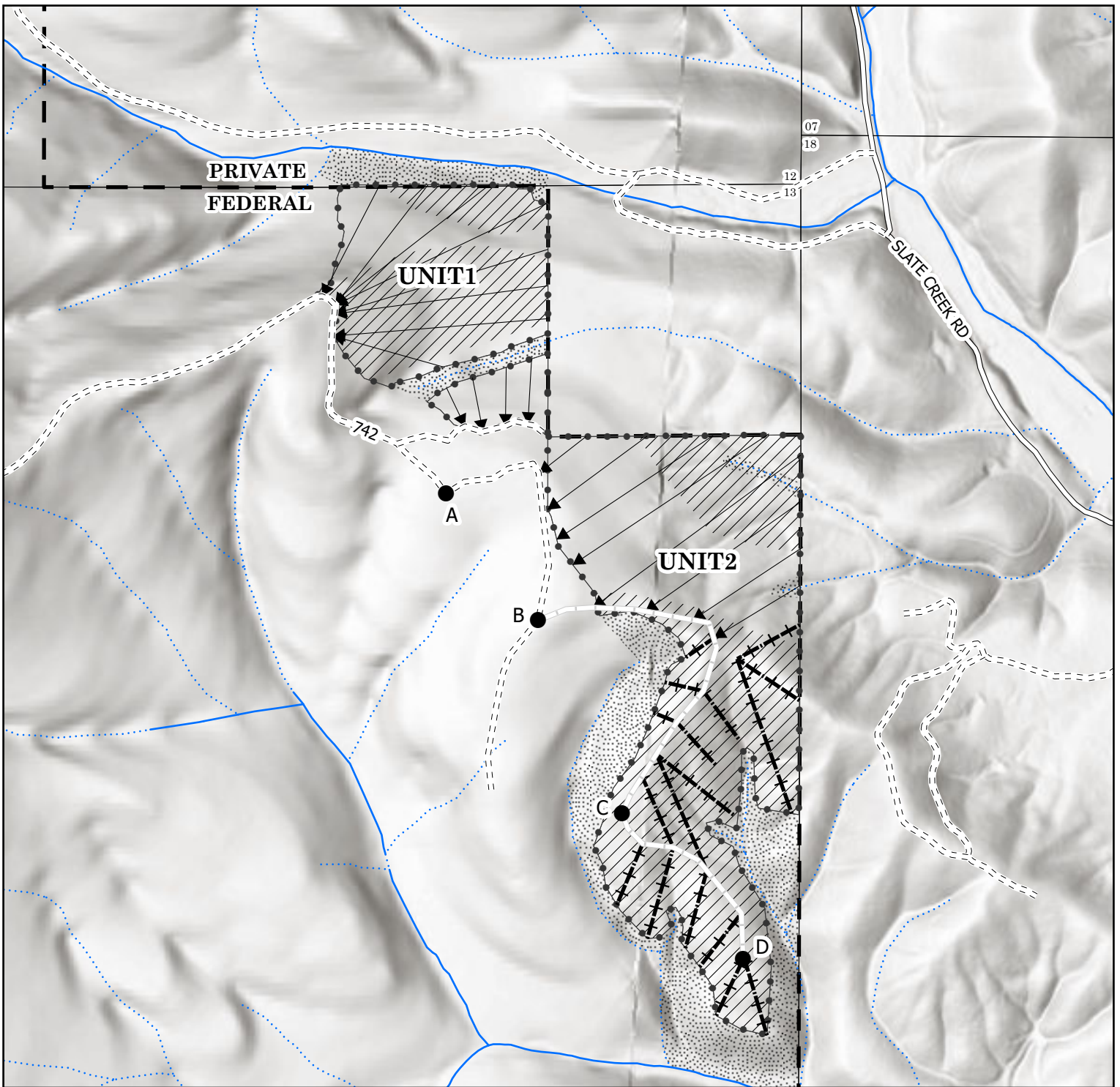
Page 1
Date 12/4/2019
Time 8:28:29AM

| S Spp | So T | Gr rt ad | % Net BdFt | Bd. Ft. per Acre | | | Total Net MBF | Percent of Net Board Foot Volume | | | | | | | | Average Log | | | | Logs Per /Acre |
|---------------|---------------|-------------|------------------|------------------|--------|--------|------------------|----------------------------------|------|-------|-----|------------|-------|-------|-------|-------------|-----------|----------|-----------|----------------------|
| | | | | Def% | Gross | Net | | Log Scale Dia. | | | | Log Length | | | | Ln Ft | Dia In | Bd Ft | CF/ Lf | |
| | | | | | | | | 4-5 | 6-11 | 12-16 | 17+ | 12-20 | 21-30 | 31-35 | 36-99 | | | | | |
| DF | L | DOCU | | | | | | | | | | | | | 14 | 5 | | 0.00 | 1.8 | |
| DF | L | DO2M | 13 | | 861 | 861 | 53 | | | | 100 | | | | 34 | 14 | 253 | 1.99 | 3.4 | |
| DF | L | DO3M | 37 | 4.8 | 2,568 | 2,445 | 152 | | 29 | 59 | 11 | | | | 35 | 10 | 141 | 1.16 | 17.3 | |
| DF | L | DO4M | 50 | .5 | 3,235 | 3,220 | 200 | 32 | 18 | 18 | 32 | 12 | 36 | 27 | 26 | 26 | 7 | 74 | 0.70 | 43.3 |
| DF | Totals | | 40 | 2.1 | 6,664 | 6,526 | 405 | 16 | 20 | 44 | 20 | 6 | 18 | 62 | 15 | 29 | 8 | 99 | 0.92 | 65.8 |
| DF | T | DOCU | | | | | | | | | | | | | 16 | 5 | | 0.00 | 1.6 | |
| DF | T | DO2M | 8 | | 477 | 477 | 30 | | | 43 | 57 | | | | 34 | 16 | 328 | 2.03 | 1.5 | |
| DF | T | DO3M | 48 | 5.0 | 3,002 | 2,852 | 177 | | 90 | 10 | | | | | 34 | 9 | 106 | 0.91 | 27.0 | |
| DF | T | DO4M | 44 | 2.4 | 2,672 | 2,609 | 162 | 56 | 44 | | | 17 | 60 | 19 | 4 | 27 | 6 | 36 | 0.38 | 71.7 |
| DF | Totals | | 37 | 3.5 | 6,152 | 5,939 | 368 | 24 | 63 | 8 | 5 | 7 | 26 | 64 | 2 | 28 | 7 | 58 | 0.57 | 101.8 |
| SP | L | DOCU | | | | | | | | | | | | | | 7 | | 0.00 | 2.2 | |
| SP | L | DO3M | 31 | | 327 | 327 | 20 | | 40 | 60 | | | | | 34 | 9 | 105 | 1.00 | 3.1 | |
| SP | L | DO4M | 69 | | 714 | 714 | 44 | 15 | 85 | | | | 13 | 87 | 31 | 8 | 77 | 0.74 | 9.3 | |
| SP | Totals | | 6 | | 1,041 | 1,041 | 65 | 11 | 71 | 19 | | | 9 | 91 | 27 | 8 | 71 | 0.81 | 14.6 | |
| SP | T | DO4M | 100 | | 306 | 306 | 19 | 7 | 23 | 70 | | 23 | 7 | 70 | 25 | 9 | 100 | 1.05 | 3.1 | |
| SP | Totals | | 2 | | 306 | 306 | 19 | 7 | 23 | 70 | | 23 | 7 | 70 | 25 | 9 | 100 | 1.05 | 3.1 | |
| PP | L | DO3M | 12 | | 267 | 267 | 17 | | | 100 | | | | | 34 | 28 | 1240 | 6.29 | .2 | |
| PP | L | DO4M | 88 | 2.0 | 1,910 | 1,871 | 116 | 21 | 30 | 31 | 18 | 2 | 35 | 59 | 4 | 28 | 7 | 77 | 0.75 | 24.3 |
| PP | Totals | | 13 | 1.8 | 2,177 | 2,139 | 133 | 18 | 26 | 27 | 28 | 2 | 30 | 64 | 4 | 28 | 7 | 87 | 0.81 | 24.5 |
| PP | T | DO4M | 100 | | 179 | 179 | 11 | 5 | 26 | 68 | | 26 | 74 | | 32 | 11 | 190 | 1.63 | .9 | |
| PP | Totals | | 1 | | 179 | 179 | 11 | 5 | 26 | 68 | | 26 | 74 | | 32 | 11 | 190 | 1.63 | .9 | |
| Totals | | | | 2.4 | 16,519 | 16,129 | 1,000 | 19 | 40 | 27 | 14 | 6 | 22 | 65 | 7 | 28 | 8 | 77 | 0.74 | 210.7 |

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CRUISED DATE | | | | | | | |
|----------|----------|-----|-------|--------|-----------|---------|---------|--------------|------------|-----------|--------------|--------------|--------------|-----|----|
| 38S | 08W | 01 | BKS | SLT2 | 62.00 | 25 | 78 | 5/1/2019 | | | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees Me. | 16' Ct. | Tot DBH | BA /Ac. | Trees /Ac. | Logs /Ac. | Net CuFt/Ac. | Net BdFt/Ac. | Total CUNITS | MBF | |
| 0205 | 0001 | 70 | 100 | SP L | 1 | 23.0 | 80 | 99 | 33.6 | 11.65 | 34.9 | 985 | 3,611 | 24 | 9 |
| | 0002 | 70 | 100 | DF T | 1 | 14.0 | 85 | 74 | 33.6 | 31.44 | 62.9 | 839 | 2,830 | 21 | 7 |
| | 0003 | 70 | 100 | DF T | 1 | 15.0 | 85 | 84 | 33.6 | 27.39 | 54.8 | 941 | 3,560 | 23 | 9 |
| | 0004 | 70 | 100 | DF L | 1 | 22.0 | 84 | 90 | 33.6 | 12.73 | 25.5 | 1,117 | 4,202 | 28 | 10 |
| | 0005 | 70 | 100 | DF T | 1 | 18.0 | 82 | 85 | 33.6 | 19.02 | 38.0 | 1,042 | 3,614 | 26 | 9 |
| | 0006 | 70 | 100 | DF L | 1 | 19.0 | 84 | 80 | 33.6 | 17.07 | 34.1 | 1,043 | 3,414 | 26 | 8 |
| | 0007 | 70 | 100 | SP L | 1 | 15.0 | 80 | 64 | 33.6 | 27.39 | 27.4 | 622 | 1,643 | 15 | 4 |
| 0205 | | | 100 | | 7 | 17.1 | 83 | 79 | 235.3 | 146.69 | 277.6 | 6,590 | 22,874 | 163 | 57 |
| 0206 | 0001 | 70 | 100 | DF T | 4 | 14.0 | 84 | 74 | 134.4 | 118.05 | 222.6 | 3,683 | 13,197 | 91 | 33 |
| | 0002 | 70 | 100 | DF L | 2 | 17.0 | 83 | 70 | 67.2 | 41.26 | 72.8 | 1,964 | 7,416 | 49 | 18 |
| | 0003 | 70 | 100 | SP L | 1 | 17.0 | 82 | 79 | 33.6 | 19.78 | 30.9 | 798 | 2,603 | 20 | 6 |
| 0206 | | | 100 | | 7 | 15.5 | 84 | 74 | 235.3 | 179.09 | 326.4 | 6,444 | 23,216 | 160 | 58 |
| 0207 | 0001 | 70 | 100 | SP L | 1 | 15.0 | 82 | 81 | 33.6 | 27.39 | 27.4 | 660 | 1,917 | 16 | 5 |
| | 0002 | 70 | 100 | DF L | 1 | 18.0 | 85 | 95 | 33.6 | 19.02 | 57.1 | 1,174 | 4,565 | 29 | 11 |
| | 0003 | 70 | 100 | SP L | 1 | 19.0 | 84 | 85 | 33.6 | 17.07 | 34.1 | 842 | 3,073 | 21 | 8 |
| | 0004 | 70 | 100 | DF T | 1 | 12.0 | 86 | 80 | 33.6 | 42.79 | 85.6 | 895 | 3,423 | 22 | 8 |
| | 0005 | 70 | 100 | DF T | 1 | 13.0 | 84 | 79 | 33.6 | 36.46 | 72.9 | 905 | 2,917 | 22 | 7 |
| | 0006 | 70 | 100 | PP L | 1 | 15.0 | 80 | 90 | 33.6 | 27.39 | 54.8 | 985 | 3,287 | 24 | 8 |
| | 0007 | 70 | 100 | DF T | 1 | 17.0 | 82 | 95 | 33.6 | 21.32 | 42.6 | 1,150 | 4,051 | 29 | 10 |
| 0207 | | | 100 | | 7 | 15.0 | 83 | 85 | 235.3 | 191.44 | 374.5 | 6,612 | 23,233 | 164 | 58 |
| 0208 | 0001 | 70 | 100 | DF L | 7 | 17.0 | 83 | 70 | 235.3 | 144.42 | 254.8 | 6,874 | 25,954 | 170 | 64 |
| 0208 | | | 100 | | 7 | 17.3 | 83 | 70 | 235.3 | 144.42 | 254.8 | 6,874 | 25,954 | 170 | 64 |
| 0209 | 0001 | 70 | 100 | PP L | 1 | 8.0 | 75 | 62 | 33.6 | 96.29 | 96.3 | 491 | 1,926 | 12 | 5 |
| | 0002 | 70 | 100 | PP L | 1 | 13.0 | 78 | 81 | 33.6 | 36.46 | 72.9 | 877 | 2,917 | 22 | 7 |
| | 0003 | 70 | 100 | DF T | 1 | 16.0 | 83 | 72 | 33.6 | 24.07 | 48.1 | 905 | 2,889 | 22 | 7 |
| | 0004 | 70 | 100 | PP L | 1 | 15.0 | 80 | 83 | 33.6 | 27.39 | 54.8 | 900 | 2,739 | 22 | 7 |
| | 0005 | 70 | 100 | DF T | 1 | 18.0 | 83 | 77 | 33.6 | 19.02 | 38.0 | 997 | 3,423 | 25 | 8 |
| 0209 | | | 100 | | 5 | 12.3 | 78 | 71 | 168.1 | 203.23 | 310.2 | 4,170 | 13,894 | 103 | 34 |
| 0210 | 0001 | 70 | 100 | DF T | 2 | 14.0 | 84 | 74 | 67.2 | 59.02 | 111.3 | 1,841 | 6,599 | 46 | 16 |
| | 0002 | 70 | 100 | PP L | 1 | 15.0 | 78 | 78 | 33.6 | 25.55 | 43.8 | 995 | 3,819 | 25 | 9 |
| 0210 | | | 100 | | 3 | 14.8 | 82 | 75 | 100.8 | 84.57 | 155.1 | 2,836 | 10,418 | 70 | 26 |
| 0211 | 0001 | 70 | 100 | DF L | 1 | 20.0 | 85 | 81 | 33.6 | 15.41 | 30.8 | 1,026 | 3,851 | 25 | 10 |
| | 0002 | 70 | 100 | DF T | 1 | 16.0 | 83 | 75 | 33.6 | 24.07 | 48.1 | 889 | 3,129 | 22 | 8 |
| | 0003 | 70 | 100 | DF L | 1 | 24.0 | 85 | 90 | 33.6 | 10.70 | 32.1 | 1,167 | 4,921 | 29 | 12 |
| | 0004 | 70 | 100 | OHL | 1 | 12.0 | 70 | 40 | 33.6 | 42.79 | | | | | |
| 0211 | | | 100 | | 4 | 16.3 | 78 | 62 | 134.4 | 92.97 | 111.0 | 3,082 | 11,902 | 76 | 30 |
| 0301 | 0001 | 70 | 100 | DF T | 1 | 22.0 | 87 | 75 | 33.6 | 12.73 | 25.5 | 975 | 3,438 | 24 | 9 |
| | 0002 | 70 | 100 | DF T | 1 | 14.0 | 87 | 81 | 33.6 | 31.44 | 62.9 | 974 | 4,087 | 24 | 10 |
| | 0003 | 70 | 100 | DF L | 1 | 28.0 | 85 | 102 | 33.6 | 7.86 | 7.9 | 834 | 3,773 | 21 | 9 |
| | 0004 | 70 | 100 | PP L | 1 | 20.0 | 78 | 96 | 33.6 | 15.41 | 30.8 | 1,068 | 3,697 | 26 | 9 |
| | 0005 | 70 | 100 | DF L | 1 | 21.0 | 80 | 78 | 33.6 | 13.97 | 27.9 | 951 | 2,795 | 24 | 7 |
| | 0006 | 70 | 100 | DF L | 1 | 25.0 | 80 | 84 | 33.6 | 9.86 | 19.7 | 1,026 | 3,352 | 25 | 8 |
| 0301 | | | 100 | | 6 | 20.1 | 83 | 84 | 201.7 | 91.27 | 174.7 | 5,828 | 21,142 | 145 | 52 |
| 0302 | 0001 | 70 | 100 | DF L | 1 | 17.0 | 83 | 70 | 33.6 | 20.63 | 36.4 | 982 | 3,708 | 24 | 9 |
| | 0002 | 70 | 100 | DF T | 4 | 14.0 | 84 | 74 | 134.4 | 118.05 | 222.6 | 3,683 | 13,197 | 91 | 33 |
| | 0003 | 70 | 100 | SP L | 2 | 17.0 | 82 | 79 | 67.2 | 39.56 | 61.9 | 1,595 | 5,207 | 40 | 13 |
| 0302 | | | 100 | | 7 | 15.6 | 83 | 75 | 235.3 | 178.24 | 320.9 | 6,260 | 22,112 | 155 | 55 |

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CRUISED DATE | | | | | | | |
|----------|----------|-----|-------|--------|-----------|---------|---------|--------------|------------|-----------|--------------|--------------|--------------|-----|----|
| 38S | 08W | 01 | BKS | SLT2 | 62.00 | 25 | 78 | 5/1/2019 | | | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees Me. | 16' Ct. | Tot DBH | BA /Ac. | Trees /Ac. | Logs /Ac. | Net CuFt/Ac. | Net BdFt/Ac. | Total CUNITS | MBF | |
| 0303 | 0001 | 70 | 100 | DF L | 1 | 12.0 | 78 | 60 | 33.6 | 42.79 | 42.8 | 809 | 2,996 | 20 | 7 |
| | 0002 | 70 | 100 | DF L | 1 | 25.0 | 82 | 95 | 33.6 | 9.86 | 29.6 | 1,151 | 4,733 | 29 | 12 |
| | 0003 | 70 | 100 | PP L | 1 | 25.0 | 82 | 99 | 33.6 | 9.86 | 29.6 | 1,095 | 3,549 | 27 | 9 |
| 0303 | | | 100 | | 3 | 17.2 | 79 | 72 | 100.8 | 62.51 | 102.0 | 3,054 | 11,278 | 76 | 28 |
| 0304 | 0001 | 70 | 100 | PP L | | 15.0 | 78 | 78 | 67.2 | 51.10 | 87.6 | 1,990 | 7,638 | 49 | 19 |
| | 0002 | 70 | 100 | SP T | 1 | 21.0 | 82 | 95 | 33.6 | 12.73 | 38.2 | 998 | 3,820 | 25 | 9 |
| | 0003 | 70 | 100 | OHL | 1 | 26.0 | 85 | 50 | 33.6 | 9.12 | | | | | |
| | 0004 | 70 | 100 | SP L | 1 | 17.0 | 82 | 79 | 33.6 | 19.78 | 30.9 | 798 | 2,603 | 20 | 6 |
| 0304 | | | 100 | | 1 | 4 | 18.2 | 80 | 168.1 | 92.73 | 156.7 | 3,785 | 14,062 | 94 | 35 |
| 0305 | 0001 | 70 | 100 | SP T | 1 | 22.0 | 82 | 95 | 33.6 | 12.73 | 38.2 | 998 | 3,820 | 25 | 9 |
| | 0002 | 70 | 100 | PP T | 1 | 28.0 | 78 | 114 | 33.6 | 7.86 | 23.6 | 1,214 | 4,480 | 30 | 11 |
| | 0003 | 70 | 100 | DF L | 1 | 12.0 | 82 | 66 | 33.6 | 42.79 | 42.8 | 579 | 1,712 | 14 | 4 |
| | 0004 | 70 | 100 | PP L | 1 | 16.0 | 82 | 78 | 33.6 | 24.07 | 48.1 | 844 | 3,129 | 21 | 8 |
| 0305 | | | 100 | | 4 | 16.8 | 82 | 78 | 134.4 | 87.46 | 152.7 | 3,635 | 13,141 | 90 | 33 |
| 0306 | 0001 | 70 | 100 | DF T | 1 | 14.0 | 84 | 74 | 33.6 | 29.51 | 55.7 | 921 | 3,299 | 23 | 8 |
| | 0002 | 70 | 100 | SP L | 1 | 17.0 | 82 | 79 | 33.6 | 19.78 | 30.9 | 798 | 2,603 | 20 | 6 |
| 0306 | | | 100 | | 2 | 15.8 | 83 | 76 | 67.2 | 49.29 | 86.6 | 1,718 | 5,903 | 43 | 15 |
| 0307 | 0001 | 70 | 100 | DF T | 4 | 15.0 | 84 | 85 | 134.4 | 109.55 | 219.1 | 4,058 | 14,242 | 101 | 35 |
| | 0002 | 70 | 100 | DF L | 2 | 19.5 | 87 | 101 | 67.2 | 32.41 | 97.2 | 2,429 | 10,696 | 60 | 27 |
| | 0003 | 70 | 100 | DF L | 1 | 12.0 | 84 | 76 | 33.6 | 42.79 | 85.6 | 921 | 3,423 | 23 | 8 |
| 0307 | | | 100 | | 7 | 15.3 | 85 | 86 | 235.3 | 184.76 | 401.9 | 7,408 | 28,361 | 184 | 70 |
| 0308 | 0001 | 70 | 100 | DF T | 3 | 14.0 | 84 | 74 | 100.8 | 88.54 | 167.0 | 2,762 | 9,898 | 68 | 25 |
| | 0002 | 70 | 100 | DF L | 3 | 17.0 | 83 | 70 | 100.8 | 61.90 | 109.2 | 2,946 | 11,123 | 73 | 28 |
| 0308 | | | 100 | | 6 | 15.7 | 84 | 72 | 201.7 | 150.43 | 276.2 | 5,708 | 21,021 | 142 | 52 |
| 0309 | 0001 | 70 | 100 | DF T | 1 | 26.0 | 85 | 110 | 33.6 | 9.12 | 27.3 | 1,261 | 5,925 | 31 | 15 |
| | 0002 | 70 | 100 | PP L | 1 | 40.0 | 85 | 140 | 33.6 | 3.85 | 15.4 | 1,513 | 8,165 | 38 | 20 |
| | 0003 | 70 | 100 | OHL | 1 | 18.0 | 65 | 40 | 33.6 | 19.02 | | | | | |
| | 0004 | 70 | 100 | OHL | 2 | 9.0 | 60 | 40 | 67.2 | 152.16 | | | | | |
| | 0005 | 70 | 100 | DF T | 1 | 9.0 | 81 | 50 | 33.6 | 76.08 | 76.1 | 638 | 2,282 | 16 | 6 |
| 0309 | | | 100 | | 6 | 11.9 | 68 | 47 | 201.7 | 260.22 | 118.8 | 3,412 | 16,373 | 85 | 41 |
| 0401 | 0001 | 70 | 100 | DF L | 1 | 16.0 | 75 | 76 | 33.6 | 24.07 | 48.1 | 986 | 2,166 | 24 | 5 |
| | 0002 | 70 | 100 | DF T | 1 | 14.0 | 83 | 64 | 33.6 | 31.44 | 62.9 | 865 | 1,886 | 21 | 5 |
| | 0003 | 70 | 100 | DF T | 1 | 11.0 | 85 | 63 | 33.6 | 50.93 | 101.9 | 727 | 3,056 | 18 | 8 |
| | 0004 | 70 | 100 | DF L | 1 | 18.0 | 82 | 75 | 33.6 | 19.02 | 38.0 | 982 | 3,423 | 24 | 8 |
| 0401 | | | 100 | | 4 | 14.0 | 82 | 68 | 134.4 | 125.46 | 250.9 | 3,560 | 10,532 | 88 | 26 |
| 0402 | 0001 | 70 | 100 | OHL | 1 | 11.0 | 63 | 40 | 33.6 | 44.62 | | | | | |
| | 0002 | 70 | 100 | OHL | 1 | 11.0 | 63 | 40 | 33.6 | 44.62 | | | | | |
| 0402 | | | 100 | | 2 | 11.8 | 63 | 40 | 67.2 | 89.23 | | | | | |
| 0403 | 0001 | 70 | 100 | DF T | 1 | 17.0 | 82 | 87 | 33.6 | 21.32 | 42.6 | 1,016 | 2,346 | 25 | 6 |
| | 0002 | 70 | 100 | DF T | 1 | 14.0 | 84 | 93 | 33.6 | 31.44 | 62.9 | 1,117 | 3,458 | 28 | 9 |
| | 0003 | 70 | 100 | DF T | 1 | 19.0 | 82 | 87 | 33.6 | 17.07 | 34.1 | 1,083 | 3,243 | 27 | 8 |
| | 0004 | 70 | 100 | DF L | 1 | 60.0 | 82 | 120 | 33.6 | 1.71 | 5.1 | 1,449 | 7,018 | 36 | 17 |
| | 0005 | 70 | 100 | DF L | 1 | 32.0 | 82 | 110 | 33.6 | 6.02 | 18.1 | 1,250 | 5,536 | 31 | 14 |
| | 0006 | 70 | 100 | PP L | 1 | 33.0 | 84 | 108 | 33.6 | 5.66 | 17.0 | 1,161 | 5,319 | 29 | 13 |
| | 0007 | 70 | 100 | SP L | 1 | 20.0 | 82 | 83 | 33.6 | 15.41 | 30.8 | 879 | 2,773 | 22 | 7 |
| 0403 | | | 100 | | 7 | 20.9 | 83 | 91 | 235.3 | 98.63 | 210.6 | 7,954 | 29,694 | 197 | 74 |
| 0404 | 0001 | 70 | 100 | DF L | 1 | 17.0 | 83 | 70 | 33.6 | 20.63 | 36.4 | 982 | 3,708 | 24 | 9 |
| | 0002 | 70 | 100 | OHL | 1 | 11.0 | 63 | 40 | 33.6 | 44.62 | | | | | |

| TWP | RGE | SC | TRACT | TYPE | ACRES | PLOTS | TREES | CRUISED DATE | | | | | | | |
|----------|----------|-----|-------|--------|-------|-------|-------|--------------|-------|--------|-------|----------|----------|--------|-------|
| 38S | 08W | 01 | BKS | SLT2 | 62.00 | 25 | 78 | 5/1/2019 | | | | | | | |
| Plot No. | Tree No. | Age | SI | Spp St | Trees | | 16' | Tot | BA | Trees | Logs | Net | Net | Total | |
| | | | | | Me. | Ct. | DBH | Ht. | /Ac. | /Ac. | /Ac. | CuFt/Ac. | BdFt/Ac. | CUNITS | MBF |
| 0404 | 0003 | 70 | 100 | DF L | 4 | 17.0 | 83 | 70 | 134.4 | 82.53 | 145.6 | 3,928 | 14,831 | 97 | 37 |
| 0404 | | | 100 | | 6 | 15.8 | 77 | 61 | 201.7 | 147.78 | 182.0 | 4,910 | 18,539 | 122 | 46 |
| 0405 | 0001 | 70 | 100 | DF L | 1 | 30.0 | 83 | 88 | 33.6 | 6.85 | 20.5 | 1,099 | 4,382 | 27 | 11 |
| | 0002 | 70 | 100 | PP L | 1 | 26.0 | 83 | 87 | 33.6 | 9.12 | 18.2 | 1,017 | 3,464 | 25 | 9 |
| 0405 | | | 100 | | 2 | 27.8 | 83 | 87 | 67.2 | 15.96 | 38.8 | 2,116 | 7,846 | 52 | 19 |
| 0406 | 0001 | 70 | 100 | DF T | 2 | 14.0 | 84 | 74 | 67.2 | 59.02 | 111.3 | 1,841 | 6,599 | 46 | 16 |
| | 0002 | 70 | 100 | DF L | 2 | 17.0 | 83 | 70 | 67.2 | 41.26 | 72.8 | 1,964 | 7,416 | 49 | 18 |
| 0406 | | | 100 | | 4 | 15.7 | 84 | 72 | 134.4 | 100.29 | 184.1 | 3,805 | 14,014 | 94 | 35 |
| 0407 | 0001 | 70 | 100 | DF L | 1 | 14.0 | 87 | 63 | 33.6 | 31.44 | 62.9 | 811 | 3,773 | 20 | 9 |
| | 0002 | 70 | 100 | DF T | 1 | 18.0 | 85 | 78 | 33.6 | 19.02 | 38.0 | 943 | 3,423 | 23 | 8 |
| | 0003 | 70 | 100 | DF T | 1 | 16.0 | 80 | 65 | 33.6 | 24.07 | 24.1 | 385 | 2,407 | 10 | 6 |
| | 0004 | 70 | 100 | DF L | 1 | 16.0 | 80 | 63 | 33.6 | 24.07 | 24.1 | 714 | 1,204 | 18 | 3 |
| 0407 | | | 100 | | 4 | 15.8 | 83 | 66 | 134.4 | 98.60 | 149.1 | 2,853 | 10,807 | 71 | 27 |
| 0408 | 0001 | 70 | 100 | DF T | 2 | 14.0 | 84 | 74 | 67.2 | 59.02 | 111.3 | 1,841 | 6,599 | 46 | 16 |
| | 0002 | 70 | 100 | PP L | 1 | 15.0 | 78 | 78 | 33.6 | 25.55 | 43.8 | 995 | 3,819 | 25 | 9 |
| | 0003 | 70 | 100 | OHL | 2 | 11.0 | 63 | 40 | 67.2 | 89.23 | | | | | |
| 0408 | | | 100 | | 5 | 13.3 | 72 | 57 | 168.1 | 173.81 | 155.1 | 2,836 | 10,418 | 70 | 26 |
| 0505 | 0001 | 70 | 100 | DF T | 2 | 12.0 | 88 | 58 | 67.2 | 85.59 | 171.2 | 1,487 | 5,991 | 37 | 15 |
| | 0002 | 70 | 100 | DF L | 1 | 16.0 | 88 | 56 | 33.6 | 24.07 | 24.1 | 701 | 1,444 | 17 | 4 |
| | 0003 | 70 | 100 | DF T | 1 | 14.0 | 88 | 62 | 33.6 | 31.44 | 62.9 | 765 | 3,458 | 19 | 9 |
| | 0004 | 70 | 100 | DF L | 1 | 18.0 | 88 | 90 | 33.6 | 19.02 | 38.0 | 1,028 | 4,374 | 25 | 11 |
| | 0005 | 70 | 100 | DF L | 1 | 10.0 | 84 | 21 | 33.6 | 61.62 | 61.6 | 321 | 1,232 | 8 | 3 |
| 0505 | | | 100 | | 6 | 12.9 | 87 | 51 | 201.7 | 221.74 | 357.8 | 4,302 | 16,501 | 107 | 41 |
| TYPE | | | 100 | | 73 | 53 | 15.4 | 69 | 169.4 | 130.83 | 205.1 | 4,390 | 16,129 | 2,722 | 1,000 |

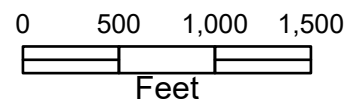


- Sale Boundary
- Project Point
- ⊙ T & E Restriction - No Piles Below Road
- ▶ Cable Logging
- ⊕ Ground Based Logging
- /// Harvester Permissible
- ⋯ Stream Buffer
- Paved
- - Gravel
- ▭ Road Improvement
- ▭ New Construction - Temporary Road
- Stream Class
- Fish
- ⋯ Intermittent Other

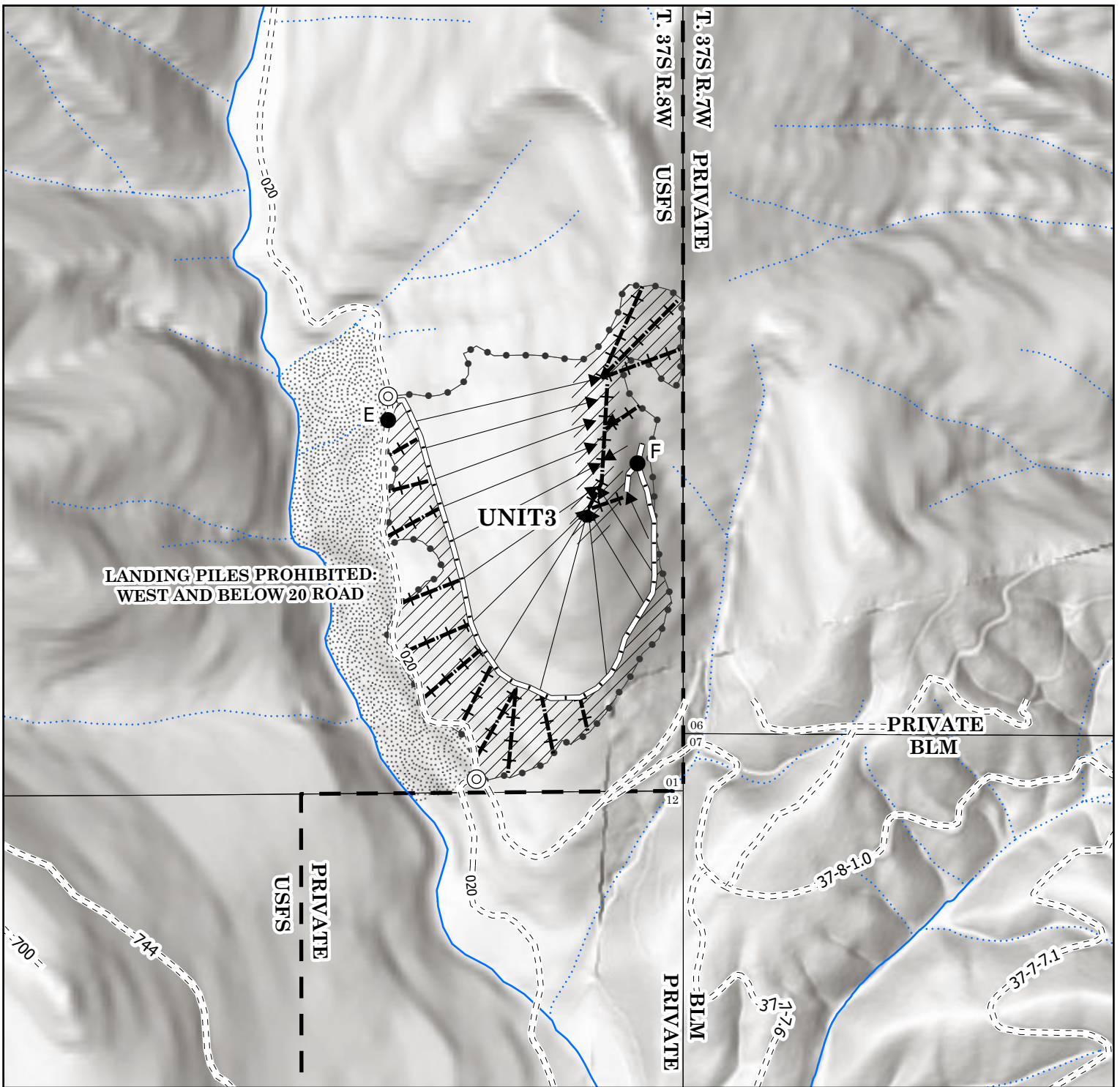
LOGGING PLAN
 SW-341-2020-GF7918-07
 GNA - Timber Sale BKS
 UNITS 1 & 2

Portions of Sections 1 & 13
 T37S R8W, W.M.
 Josephine County, Oregon
 Regulated Use Area SK-3
 Landowner: United States Forest Service

| UNIT | NET ACRES |
|--------------|------------|
| 1 | 28 |
| 2 | 59 |
| 3 | 62 |
| TOTAL | 149 |



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

SW-341-2020-GF7918-07

GNA - Timber Sale BKS

UNIT 3

Portions of Sections 1 & 13

T37S R8W, W.M.

Josephine County, Oregon

Regulated Use Area SK-3

Landowner: United States Forest Service

| UNIT | NET ACRES |
|--------------|------------|
| 1 | 28 |
| 2 | 59 |
| 3 | 62 |
| TOTAL | 149 |

- Sale Boundary
- Project Point
- T & E Restriction - No Piles Below Road
- Cable Logging
- Ground Based Logging
- Harvester Permissible
- Stream Buffer
- Paved
- Gravel
- Road Improvement
- New Construction - Temporary Road
- Stream Class**
- Fish
- Intermittent Other

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.

