

State of Washington

Department of Natural Resources

Peter Goldmark, Commissioner of Public Lands

TO: Members of the Board of Natural Resources

FROM: Product Sales and Leasing Division

SUBJECT: Timber Sales Packet to be Presented at the  
February 2015 Board Meeting

Attached is a Timber Sale Packet scheduled for auction the week of March 24 – 26, 2015. This packet will be presented to the Board of Natural Resources at the February 3, 2015 Board Meeting.



**SUMMARY OF PROPOSED BOARD SALES**

**MARCH 2015**

**FY15**

| No.           | County              | Region | FSC     |                       | Sale Name                 | Species                       | Acres        | Harvest Type                                   | Volume MBF/Acre | Value/MBF    | Total MBF     | Total Minimum Bid Value |
|---------------|---------------------|--------|---------|-----------------------|---------------------------|-------------------------------|--------------|--|-----------------|--------------|---------------|-------------------------|
|               |                     |        | Agree # | Trust                 |                           |                               |              |  |                 |              |               |                         |
| 1             | Clark               | PC     | 91662   | 01-50%, 03-50%        | WEST KLOOCHMAN            | DF-95%, RA-5%                 | 254          | Variable Retention                             | 30              | \$339        | 7,674         | \$2,605,000             |
| 2             | Cowlitz / Wahkiakum | PC     | 91064   | 01-1%, 03-72%, 10-27% | NORTH INCLINE             | DF-77%, WW-21%, RC-1%, RA-1%  | 174          | Variable Retention                             | 54              | \$364        | 9,433         | \$3,432,000             |
| 3             | Cowlitz             | PC     | 91540   | 03-38%, 10-62%        | TRI TIP                   | DF-74%, WW-26%                | 181          | Variable Retention                             | 31              | \$289        | 5,691         | \$1,644,000             |
| 4             | Grays Harbor        | SPS    | 91440   | 02-88%, 42-12%        | SHELTON CREEK VRH & VDT   | DF-95%, WW-3%, RA-2%          | 174          | Variable Retention 93%<br>Variable Density 7%  | 32              | \$370        | 5,501         | \$2,036,000             |
| 5             | Lewis               | PC     | 91894   | 01-99%, 07-1%         | NATIVE DANCER             | DF-91%, RA-4%, RC-3%, WW-2%   | 105          | Variable Retention 95%<br>Uneven-aged 5%       | 48              | \$413        | 5,050         | \$2,087,000             |
| 6             | Skagit              | NW     | 91855   | 03-99.5%, 07-0.5%     | TWEENER                   | WW-47%, DF-40%, RC-13%        | 105          | Variable Retention                             | 15              | \$349        | 1,571         | \$548,000               |
| 7             | Skamania            | PC     | 91536   | 01-94%, 03-6%         | SOUTH ROCK VRH & VDT      | DF-80%, WW-19%, RA-1%         | 127          | Variable Retention 96%<br>Variable Density 4%  | 32              | \$278        | 4,037         | \$1,122,000             |
| 8             | Thurston            | SPS    | 91793   | 01-100%               | CRAWFORD 15               | DF-91%, RA-8%, RC-1%          | 142          | Variable Retention                             | 56              | \$402        | 7,955         | \$3,200,000             |
| 9             | Thurston            | SPS    | 91809   | 02-3%, 42-97%         | MIMA CREEK VRH & VDT      | DF-99%, WW-1%                 | 99           | Variable Retention 88%<br>Variable Density 12% | 57              | \$408        | 5,673         | \$2,314,000             |
| 10            | Whatcom             | NW     | 90436   | 03-100%               | WEST CLEARWATER VRH & VDT | WW-62%, DF-27%, RA-6%, RA-5%  | 149          | Variable Density 61%<br>Variable Retention 39% | 24              | \$193        | 3,593         | \$693,000               |
| 11            | Whatcom             | NW     | 91811   | 01-95%, 03-5%         | BLUEBELL                  | DF-56%, RA-25%, RC-15%, WW-4% | 77           | Variable Retention                             | 34              | \$401        | 2,593         | \$1,041,000             |
| <b>Totals</b> |                     |        |         |                       |                           |                               | <b>1,587</b> |  | <b>37</b>       | <b>\$353</b> | <b>58,771</b> | <b>\$20,722,000</b>     |

**Trust Codes:**

- 01 = State Forest Board Transfer
- 02 = State Forest Board Purchase
- 03 = Common School & Indemnity
- 04 = Agricultural School
- 05 = University - Transferred
- 06 = C.E.P. & R.I.
- 07 = Capitol Building
- 08 = Normal School
- 09 = Escheat
- 10 = Scientific School
- 11 = University - Original
- 12 = Community College Forest Reserve

**Species Codes:**

- DF= Douglas-fir
- RA= Red alder
- RC= Western red cedar
- WW= White Woods (hemlock and true firs)
- WL= Western larch
- PP= Ponderosa pine
- LP= Lodgepole pine

∞ If marked, all or part of this sale is certified under Forest Stewardship Council Certificate No. BV-FM/COC-080501

Note: Contract harvest sort sales above list the total minimum bid as delivered values, not stumpage. The net or stumpage value will be realized after the harvesting costs are paid out.

**SEPA SUMMARY OF PROPOSED BOARD SALES**

**MARCH 2015**

**FY15**

| No. | County              | Agreement # | Sale Name                 | Acres | Threshold Determination |      | ADDM | SEPA Comments |
|-----|---------------------|-------------|---------------------------|-------|-------------------------|------|------|---------------|
|     |                     |             |                           |       | DNS                     | MDNS |      |               |
| 1   | Clark               | 91662       | WEST KLOOCHMAN            | 254   |                         | X    |      |               |
| 2   | Cowlitz / Wahkiakum | 91064       | NORTH INCLINE             | 174   |                         | X    |      | WDFW          |
| 3   | Cowlitz             | 91540       | TRI TIP                   | 181   |                         | X    |      |               |
| 4   | Grays Harbor        | 91440       | SHELTON CREEK VRH & VDT   | 174   |                         | X    |      | WFLC          |
| 5   | Lewis               | 91894       | NATIVE DANCER             | 105   |                         | X    |      | WFLC          |
| 6   | Skagit              | 91855       | TWEENER                   | 105   |                         | X    |      |               |
| 7   | Skamania            | 91536       | SOUTH ROCK VRH & VDT      | 127   |                         | X    |      | WFLC          |
| 8   | Thurston            | 91793       | CRAWFORD 15               | 142   |                         | X    |      |               |
| 9   | Thurston            | 91809       | MIMA CREEK VRH & VDT      | 99    |                         | X    |      |               |
| 10  | Whatcom             | 90436       | WEST CLEARWATER VRH & VDT | 149   | X                       |      |      |               |
| 11  | Whatcom             | 91811       | BLUEBELL                  | 77    |                         | X    |      |               |

\* ALL DOCUMENTS ARE AVAILABLE TO THE BOARD AND THE PUBLIC FOR REVIEW



**TIMBER NOTICE OF SALE**

**SALE NAME:** WEST KLOOCHMAN

**AGREEMENT NO:** 30-091662

**AUCTION:** March 26, 2015 starting at 10:00 a.m., **COUNTY:** Clark  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 21 miles east of Battle Ground

**PRODUCTS SOLD AND SALE AREA:**

All timber, except leave trees banded with a single ring of blue paint, areas bounded out by yellow Leave Tree Area tags, pre-existing stumps, snags, and all down timber greater than 36 inches in diameter, bounded by the following: timber sale boundary tags, reprod, and private property in Units 1, 2, and 3; timber sale boundary tags, reprod, private property, and the L-1215 Road in Units 4 and 6; timber sale boundary tags and the L-1215 road in Unit 5; timber sale boundary tags, the L-1216 road and reprod in Unit 7; Right-of-Way tags with orange flagging in Units 8, 9 and 10 on part(s) of Sections 2, 3 and 4 all in Township 3 North, Range 4 East, Sections 33 are in Township 4 North, Range 4 East, W.M., containing 254 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |     |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|----|-----|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM  | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 20      | 7          | 7,321     |              |    |    | 217 |    | 5,081 | 1,576 | 369 | 78 |
| Red alder   | 14.4    |            | 339       |              |    |    |     |    | 3     | 85    | 202 | 49 |
| Maple       | 11.4    |            | 14        |              |    |    |     |    |       | 5     | 5   | 4  |
| Sale Total  |         |            | 7,674     |              |    |    |     |    |       |       |     |    |

**MINIMUM BID:** \$2,605,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2017 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$260,500.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Ground based equipment and Cable. Harvesting activities are estimated to be approximately 10% cable and 90% ground-based. Ground-based harvesting equipment is restricted to slopes of 40% and less, and restricted during saturated soil conditions. See Clause H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator. Ground Based Yarding will not be permitted from October 1 to May 1 unless authorized in writing by the Contract Administrator.

**ROADS:** 59.35 stations of required construction. 22.62 stations of required reconstruction. 79.14 stations of optional construction. 31.58 stations of required road abandonment. A temporary Type 3 culvert install and removal is required with this proposal. There is required pit development in the L-1215 pit. Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained at no cost to the Purchaser from the L-1215 Pit located in Section 03, Township 03 North, Range 04 East, W.M.

## TIMBER NOTICE OF SALE

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Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained from any commercial source as approved in writing by the Contract Administrator. Road construction will not be permitted from November 1 to May 31 unless authorized in writing by the Contract Administrator weekends and state recognized holidays. The hauling of forest products will not be permitted from October 1 to June 1 unless authorized in writing by the Contract Administrator on the L-1216 and the L-1217 roads.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Unit acreage was determined by GPS. Cruise was completed using a variable plot cruise method.

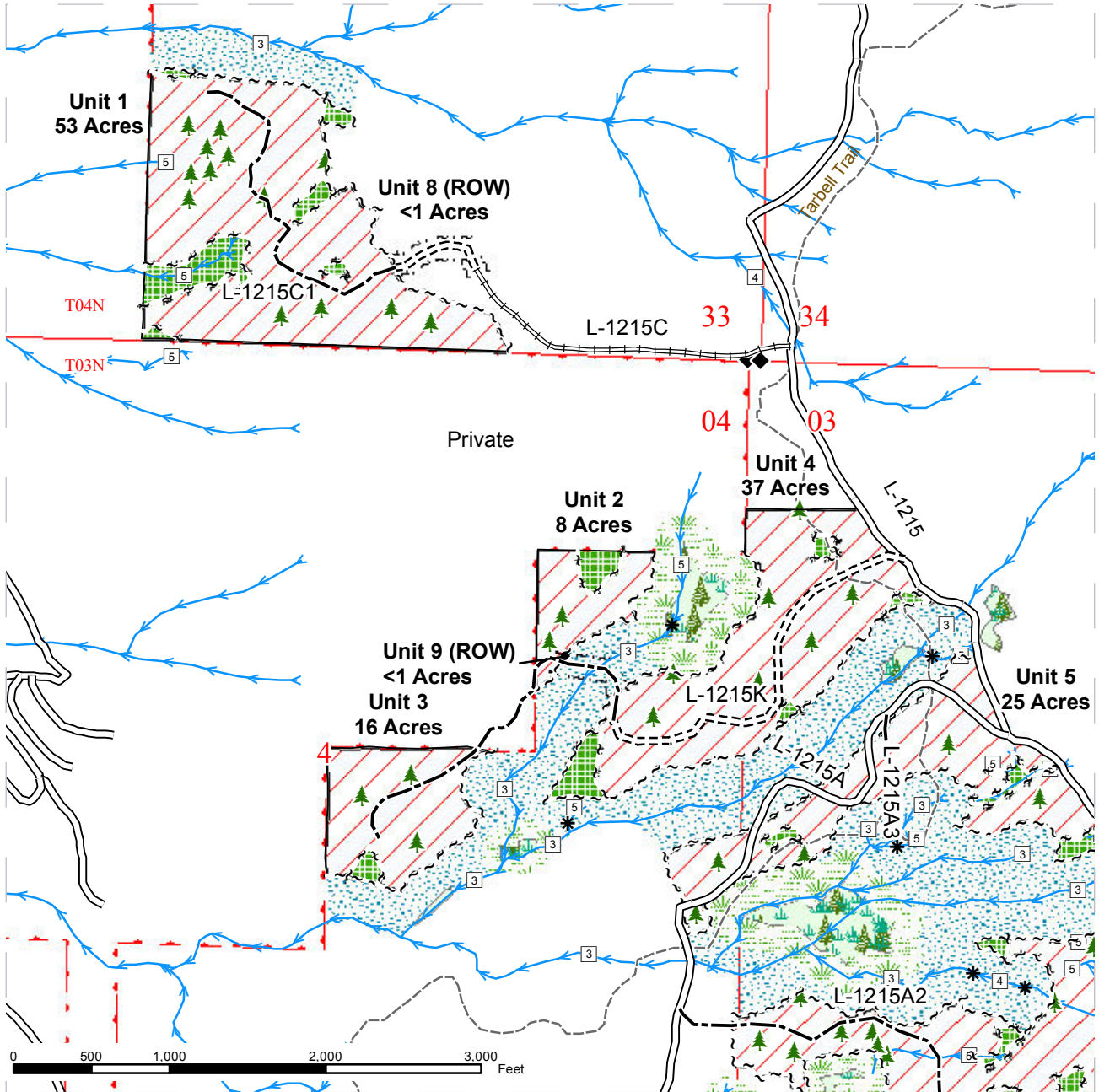
**FEES:** \$136,214.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** All property lines between State and private are marked with blazes and pink flagging

# TIMBER SALE MAP

**SALE NAME:** WEST KLOOCHMAN  
**AGREEMENT#:** 30-091662  
**TOWNSHIP(S):** T04R04E, T03R04E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** CLARK  
**ELEVATION RGE:** 1080-1744



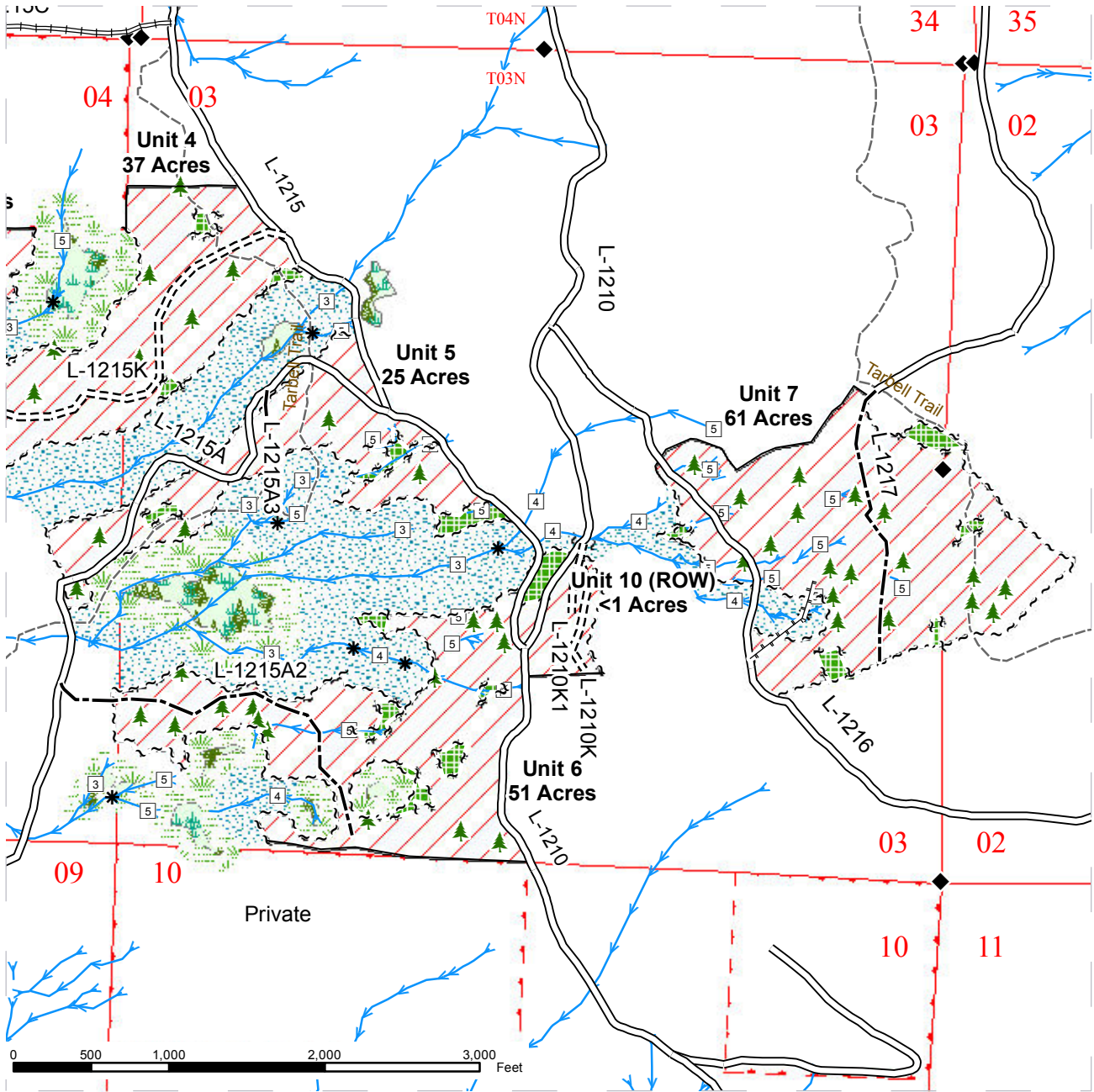
|  |                            |  |                         |  |                    |
|--|----------------------------|--|-------------------------|--|--------------------|
|  | Variable Retention Harvest |  | Sale Boundary Tags      |  | Streams            |
|  | Leave Tree Area            |  | Right of Way Tags       |  | Stream Type        |
|  | Riparian Mgt Zone          |  | Leave Tree Tags         |  | Stream Type Break  |
|  | Wetland Mgt Zone           |  | Reprod                  |  | Monumented Corners |
|  | Forested Wetland           |  | Existing Road           |  | Leave Trees        |
|  |                            |  | Required Construction   |  | Recreation Trails  |
|  |                            |  | Optional Construction   |  |                    |
|  |                            |  | Required Reconstruction |  |                    |
|  |                            |  | Designated Skid Trail   |  |                    |



# TIMBER SALE MAP

**SALE NAME:** WEST KLOOCHMAN  
**AGREEMENT#:** 30-091662  
**TOWNSHIP(S):** T04R04E, T03R04E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** CLARK  
**ELEVATION RGE:** 1080-1744



|                            |                         |                    |
|----------------------------|-------------------------|--------------------|
| Variable Retention Harvest | Sale Boundary Tags      | Streams            |
| Leave Tree Area            | Right of Way Tags       | Stream Type        |
| Riparian Mgt Zone          | Leave Tree Tags         | Stream Type Break  |
| Wetland Mgt Zone           | Reprod                  | Monumented Corners |
| Forested Wetland           | Existing Road           | Leave Trees        |
|                            | Required Construction   | Recreation Trails  |
|                            | Optional Construction   |                    |
|                            | Required Reconstruction |                    |
|                            | Designated Skid Trail   |                    |

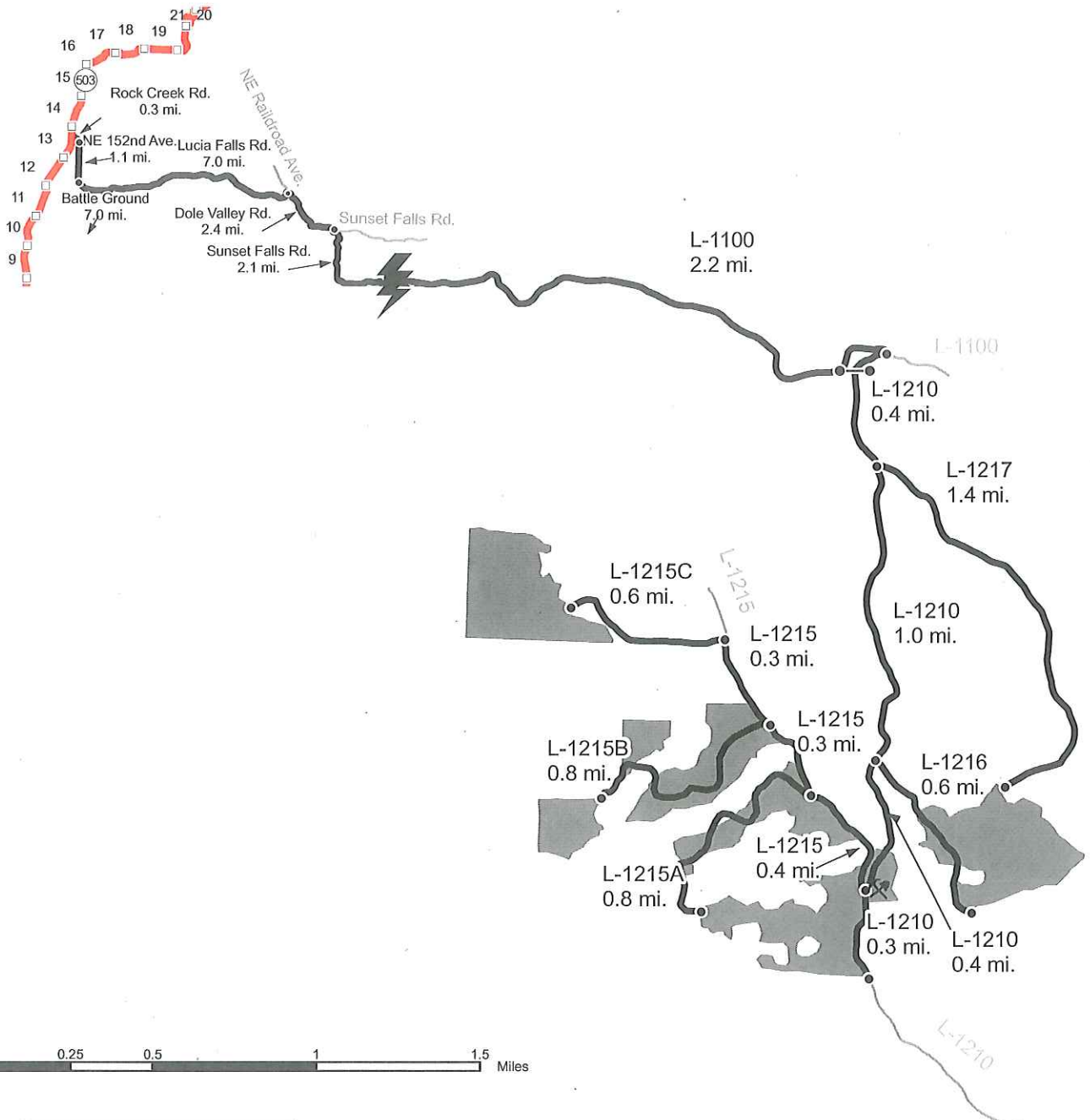




# DRIVING MAP

**SALE NAME:** WEST KLOOCHMAN  
**AGREEMENT#:** 30-091662  
**TOWNSHIP(S):** T04R04E, T03R04E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** CLARK  
**ELEVATION RGE:** 1080-1744



- Timber Sale Unit
- Highways
- Haul Route
- Other Route
- Milepost Markers
- Gate
- Rock Pit
- Distance Indicator

**DRIVING DIRECTIONS:**

See Attachment.



### **West Kloochman Driving Directions**

From State Route 503 (Milepost 13.5) turn east on NE Rock Creek Road and follow for 0.3 miles.

Road becomes NE 152nd Ave. Continue for 1.1 miles.

NE 152nd Ave becomes NE Lucia Falls Road. Continue for 7.0 miles.

Turn right onto NE Sunset Falls Road and follow for 2.1 miles.

Turn right onto NE Dole Valley Road and follow for 2.4 miles.

Turn left onto the L-1100 road and follow for 2.2 miles.

Turn right onto the L-1210 road through the PCP 1-1 gate and follow for 0.4 miles.

#### **Unit 7:**

Turn left onto the L-1217 road and travel 1.4 miles to Unit 7.

From the L-1210 / L-1217 junction; continue on the L-1210 road for 1.0 mile.

#### **Unit 6:**

From the L-1210 / L-1216 junction; continue on the L-1210 road for 0.7 miles to Unit 6.

From the L-1210 / L-1216 junction; continue on the L-1210 for 0.4 miles.

Turn right onto the L-1215 road and travel 0.4 miles.

Turn left onto the L-1215A road and travel 0.8 miles to the west portion of Unit 6.

#### **Unit 5:**

From the L-1210 / L-1215 junction; turn right onto the L-1215 and travel for 0.4 miles to Unit 5.

#### **Unit 4:**

From the L-1215 / L-1215A junction; continue on the L-1215 for 0.3 miles to Unit 4.

#### **Unit 3:**

From the L-1215 / L-1215A junction; continue on the L-1215 for 0.3 miles.

Turn left onto the L-1215B road and travel 0.6 miles to Unit 3.

#### **Unit 2:**

From the L-1215 / L-1215A junction; continue on the L-1215 for 0.3 miles.

Turn left onto the L-1215B road and travel 0.8 miles to Unit 2.

#### **Unit 1:**

From the L-1215 / L-1215B junction; continue on the L-1215 for 0.3 miles.

Turn left onto the L-1215C road and travel 0.6 miles to Unit 1.

**TIMBER NOTICE OF SALE**

**SALE NAME: NORTH INCLINE**

**AGREEMENT NO: 30-091064**

**AUCTION:** March 26, 2015 starting at 10:00 a.m., **COUNTY:** Cowlitz, Wahkiakum  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 18 miles northwest of Longview

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except leave trees bounded by yellow leave tree tags, leave trees marked with blue paint, and all down timber existing 5 years prior to the day of sale, bounded by the following: Timber Sale Boundary tags, the E-1170 road, and the E-1175 road in Unit 1; Timber Sale Boundary tags, the E-1170 Road, the E-1000 Road, and the E-1900 Road in Unit 2; Timber Sale Boundary tags in unit 3; Timber Sale Boundary tags, the E-1900 Road, and private property in Unit 4; Timber Sale Boundary tags and private property in Unit 5; Timber Sale Boundary tags, reprod, and private property in Unit 6 on part(s) of Sections 27, 28, 29, 30 and 31 all in Township 10 North, Range 4 West, W.M., containing 174 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |    |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|----|----|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 20      | 6          | 7,287     |              |    |    |    |    | 5,530 | 1,287 | 413 | 57 |
| Hemlock     | 16      | 6          | 1,979     |              |    |    |    |    | 1,097 | 687   | 163 | 32 |
| Red cedar   | 14      |            | 105       |              |    |    |    |    |       | 76    | 29  |    |
| Red alder   | 14      |            | 32        |              |    |    |    |    | 4     |       | 15  | 13 |
| Silver fir  | 31      |            | 25        |              |    |    |    |    | 24    | 1     |     |    |
| Spruce      | 17      | 6          | 5         |              |    |    |    |    |       | 4     | 1   |    |
| Sale Total  |         |            | 9,433     |              |    |    |    |    |       |       |     |    |

**MINIMUM BID:** \$3,432,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2017 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$343,200.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable and Ground based equipment. Harvesting activities are estimated to be approximately 75% cable and 25% ground-based. Ground-based harvesting equipment is restricted to slopes of 35% and less, and restricted during saturated soil conditions. See Clauses H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator.

**ROADS:** 10+87 stations of required construction. 3+00 stations of required reconstruction. 30+03 stations of optional construction. 2+30 stations of optional reconstruction. 417+85 stations of required pre-haul maintenance. 370+40 stations of required post-haul maintenance. Rock for construction, reconstruction, and pre-haul maintenance under this

## TIMBER NOTICE OF SALE

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contract may be obtained at no cost to the Purchaser from the Incline Pit located in Section 31, Township 10 North, Range 04 West, W.M. and the 1190 Pit located in Section 27, Township 10 North, Range 04 West, W.M. Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained from any commercial source as approved in writing by the Contract Administrator. Road construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** The sale acres were determined by GPS. The sale area was cruised using a variable plot cruise method.

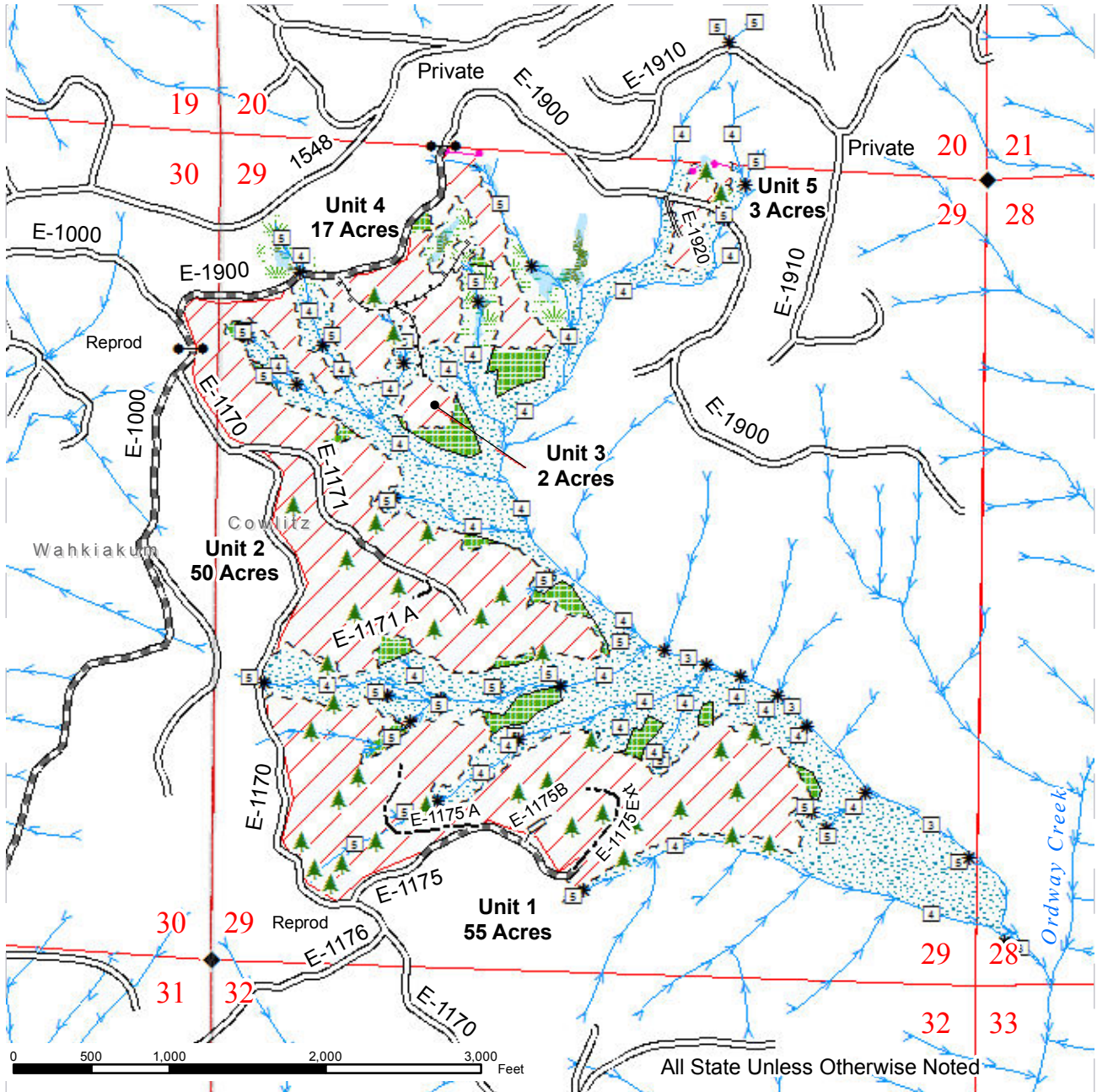
**FEES:** Purchaser will provide the State with a check payable to Seirra Pacific Industries (SPI) in the amount of \$10,369.95 for a Road Use Permit. \$167,436.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** There is a component of high quality 2 and 3 Saw Douglas-fir and western hemlock; see cruise for further details. Gate on the E-1000 (PCP 1-1)

# TIMBER SALE MAP

**SALE NAME:** NORTH INCLINE  
**AGREEMENT#:** 30-091064  
**TOWNSHIP(S):** T10R04W  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ, WAHIAKUM  
**ELEVATION RGE:** 1048-2486



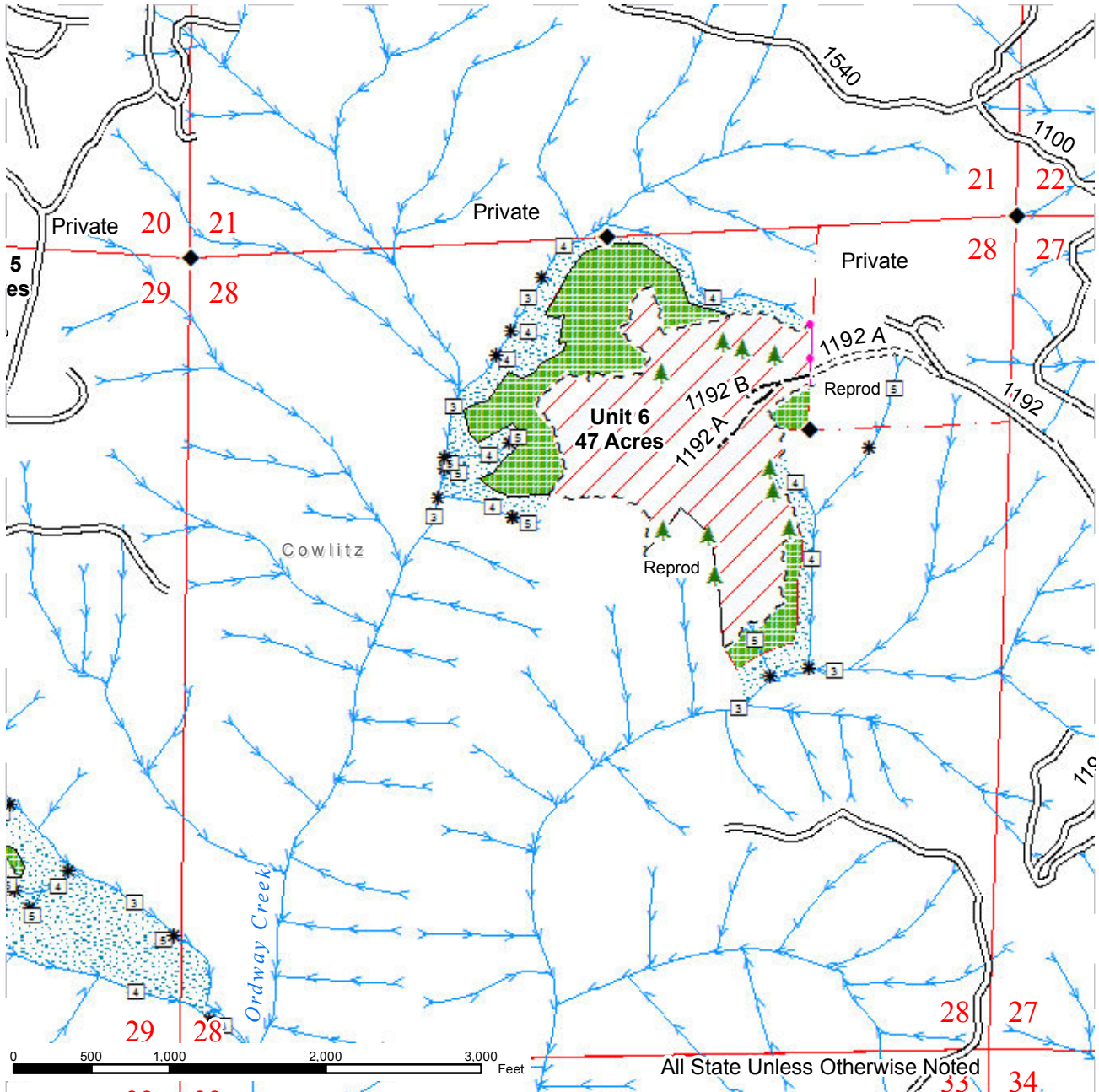
|                                |                               |                    |
|--------------------------------|-------------------------------|--------------------|
| Sale Area                      | Leave Tree Tags               | Streams            |
| Leave Tree Area                | Existing Road                 | Stream Type        |
| Forested Wetland               | Required Pre-Haul Maintenance | Stream Break       |
| Wetland Mgt Zone               | Required Construction         | Monumented Corners |
| Riparian Mgt Zone              | Required Reconstruction       | Leave Trees        |
| Sale Boundary Tags             | Optional Construction         | Gate(PCP 1-1)      |
| Property Line ( Pink Flagging) | Optional Reconstruction       | Existing Rock Pit  |
|                                | Designated Skid Trail         |                    |



# TIMBER SALE MAP

**SALE NAME:** NORTH INCLINE  
**AGREEMENT#:** 30-091064  
**TOWNSHIP(S):** T10R04W  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ, WAHKIAKUM  
**ELEVATION RGE:** 1048-2486



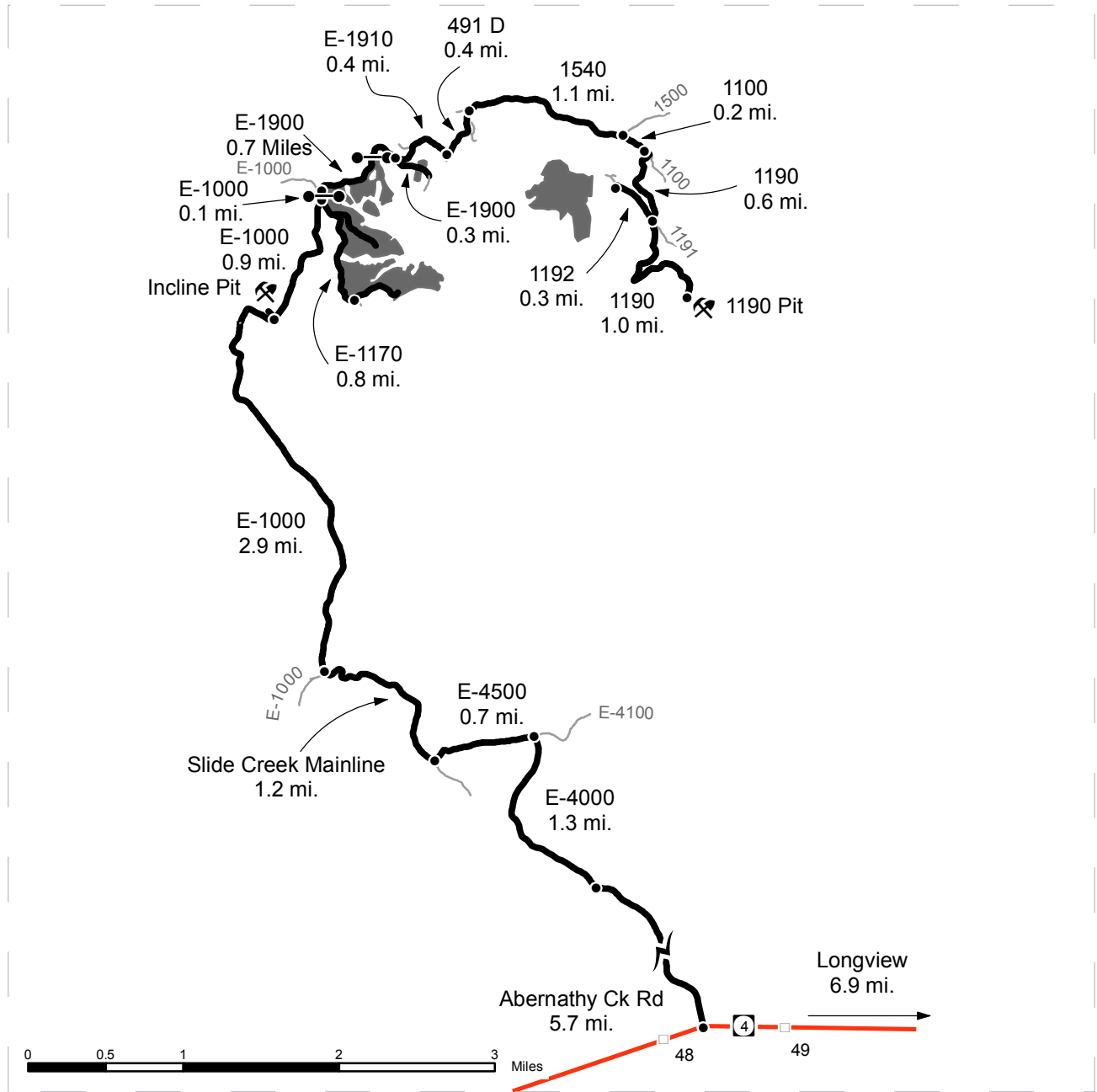
|                                |                               |                    |
|--------------------------------|-------------------------------|--------------------|
| Sale Area                      | Leave Tree Tags               | Streams            |
| Leave Tree Area                | Existing Road                 | Stream Type        |
| Forested Wetland               | Required Pre-Haul Maintenance | Stream Break       |
| Wetland Mgt Zone               | Required Construction         | Monumented Corners |
| Riparian Mgt Zone              | Required Reconstruction       | Leave Trees        |
| Sale Boundary Tags             | Optional Construction         | Gate(PCP 1-1)      |
| Property Line ( Pink Flagging) | Optional Reconstruction       | Existing Rock Pit  |
|                                | Designated Skid Trail         |                    |



# DRIVING MAP

**SALE NAME:** NORTH INCLINE  
**AGREEMENT#:** 30-091064  
**TOWNSHIP(S):** T10R04W  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ, WAHKIAKUM  
**ELEVATION RGE:** 1048-2486



|  |                    |
|--|--------------------|
|  | Timber Sale Unit   |
|  | Highways           |
|  | Haul Route         |
|  | Other Route        |
|  | Milepost Markers   |
|  | Distance Indicator |
|  | Gate (PCP 1-1)     |
|  | Existing Rock Pit  |

From State Route 4 ( between milepost 48 and 49 ) turn North onto Abernathy Creek Road and follow for 5.7 miles. Turn left onto the E-4000. Follow the E-4000 for an additional 1.3 miles. Turn left onto the E-4500. Follow the E-4500 for 0.7 miles until the road turns into the Slide Creek Mainline. Continue on the mainline for 1.2 miles to the junction with the E-1000. Travel on the E-1000 for 3.8 miles to the junction with the E-1170. The E-1170 accesses Unit 1 and Unit 2. Travel 0.1 miles north to the E-1900. Turn right on E-1900 to access a portion of Unit 2. Units 3 and 4 can be located along the E-1900 to the E-1900 gate.

To access Unit 5 travel 0.7 miles east from the E-1000 / E-1900 junction to the E-1910. Turn right onto the E-1900 for 0.3 miles to access Unit 5. To access Unit 6 continue from the E-1900 / E-1910 junction and travel on the E-1910 for 0.4 miles. Turn left onto the 491 D. Then travel for 0.4 miles on the 491 D to the 1540 . Turn right onto the 1540. Travel for 1.1 miles to the 1500 / 1540 / 1100 junction. Turn right onto the 1100. Travel 0.2 miles to the 1190 road. Turn right onto the 1190 road. Travel 0.6 miles to the 1191 / 1192 junction. Turn right onto the 1192. Travel 0.3 miles to the junction with the proposed 1192 A.







**TIMBER NOTICE OF SALE**

**SALE NAME:** TRI TIP

**AGREEMENT NO:** 30-091540

**AUCTION:** March 26, 2015 starting at 10:00 a.m., **COUNTY:** Cowlitz  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 20 miles east of Toutle, Washington

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except leave trees banded with a single ring of blue paint, areas bounded out by Leave Tree Area tags, snags, and all down timber existing 7 years prior to the day of sale bounded by: Timber Sale Boundary tags, the 4230 road, and the 4230B road in Unit 1; Timber Sale Boundary tags, the 4230 road, the 4232 road, and the 4680 road in Unit 2; Timber Sale Boundary tags and the 4670 road in Unit 3 and Unit 4; Timber Sale Boundary tags in Unit 5; Timber Sale Boundary tags and the 4680 road in Unit 6 and Unit 7; trees marked with yellow painted X's along the 4230B and the 4670 roads in Unit 8 (ROW) on part(s) of Sections 9, 10, 15 and 16 all in Township 9 North, Range 2 East, W.M., containing 181 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |    |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|----|----|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 17.7    | 7          | 4,228     |              |    |    |    |    | 2,422 | 1,481 | 293 | 32 |
| Hemlock     | 16.1    |            | 1,439     |              |    |    |    |    | 720   | 574   | 131 | 14 |
| Red alder   | 9.5     |            | 24        |              |    |    |    |    |       |       | 23  |    |
| Sale Total  |         |            | 5,691     |              |    |    |    |    |       |       |     |    |

**MINIMUM BID:** \$1,644,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2017 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$164,400.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable and Shovel. Ground based equipment and Cable. Harvesting activities are estimated to be approximately 34% cable and 66% ground-based. Ground-based harvesting equipment is restricted to slopes of 40% and less, and restricted during saturated soil conditions. See Clauses H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator.

**ROADS:** 27.39 stations of optional construction. 49.03 stations of optional reconstruction. 329.05 stations of required pre-haul maintenance. 0.50 stations road abandonment. Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained from 4672 Pit located in Section 21, Township 09 North, Range 02 East, W.M., at no charge to the Purchaser. Rock used in accordance with quantities on the ROCK LIST may also be obtained from any commercial source at the Purchaser's expense and subject to approval in writing by the Contract Administrator before their use. Road

## TIMBER NOTICE OF SALE

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construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Unit acreage was determined by GPS. Cruise was completed using a variable plot cruise method.

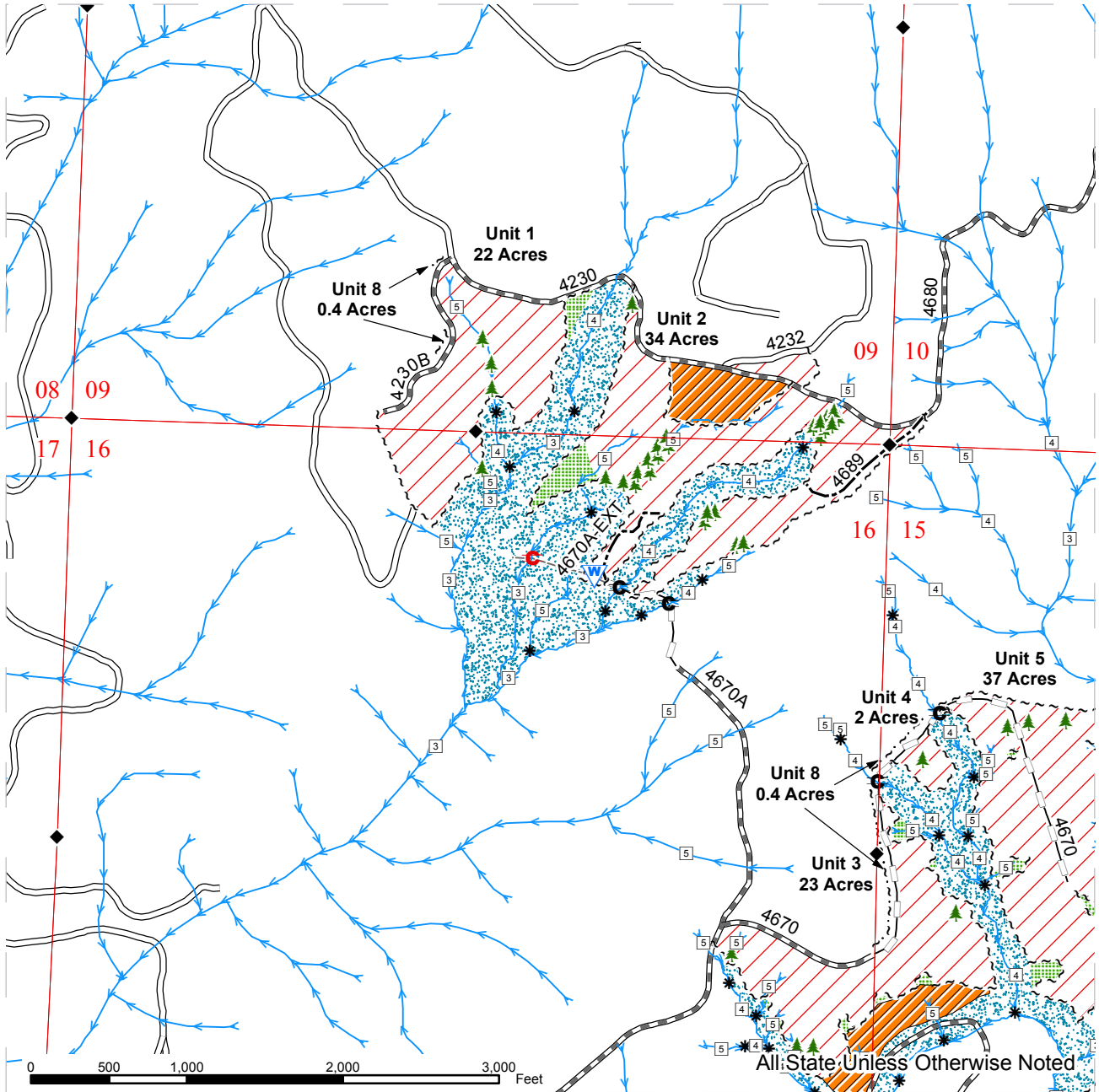
**FEES:** \$100,643.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** Intermediate supports may be required to prevent soil rutting in Units 1, 2, & 6 when yarding off the 4230, 4230-B, & 4680 roads. There is a component of high quality 2 and 3 Saw Douglas-fir; see cruise for further details.

# Timber Sales Map

**SALE NAME:** TRI TIP  
**AGREEMENT#:** 30-091540  
**TOWNSHIP(S):** T09R02E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1193-2256



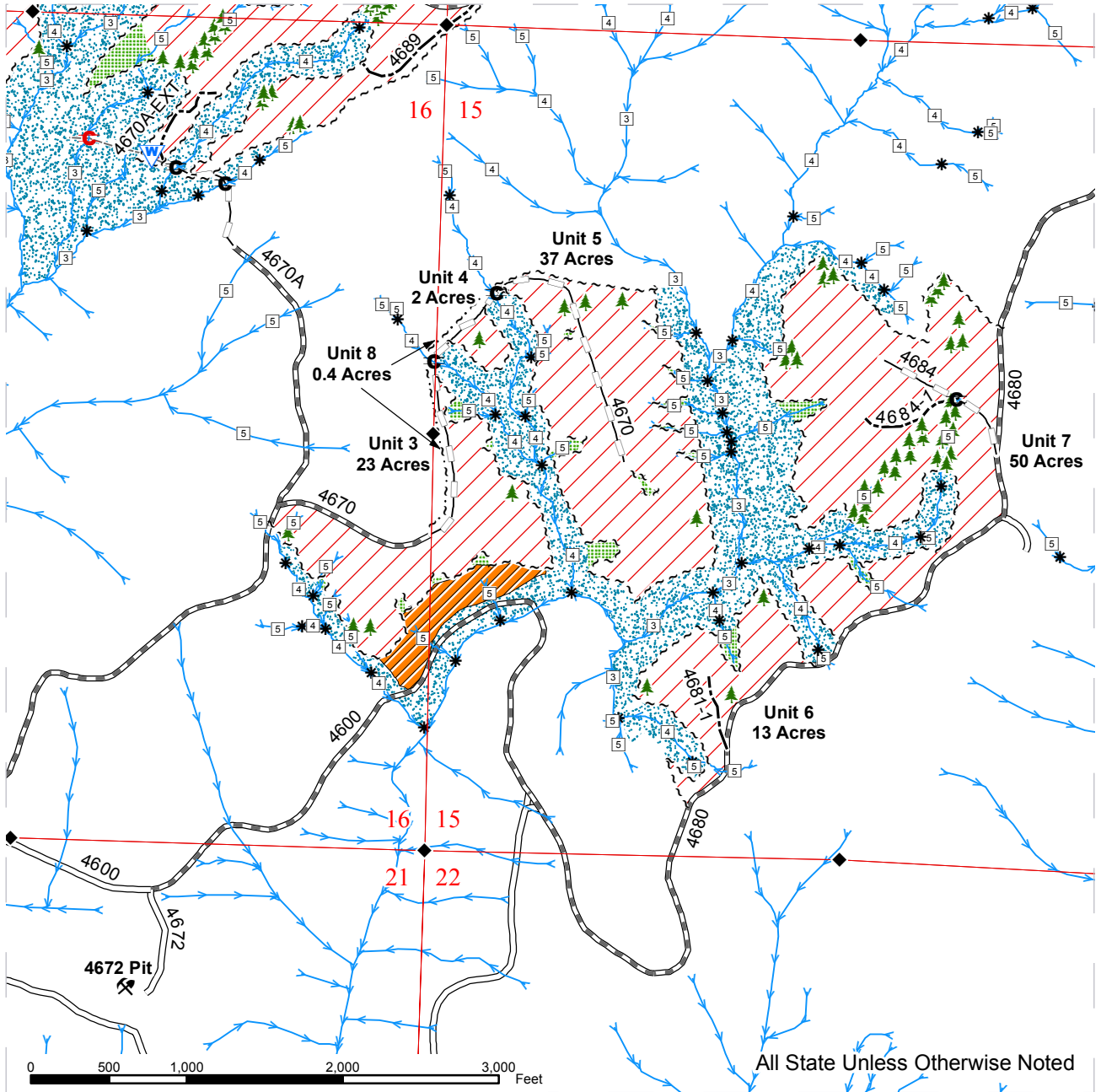
|                           |                         |                    |                      |
|---------------------------|-------------------------|--------------------|----------------------|
| Sale Area                 | Existing Road           | Streams            | Culvert Installation |
| Leave Tree Area           | Pre-haul Maintenance    | Stream Type        | Culvert Removal      |
| Riparian Mgt Zone         | Optional Construction   | Stream Break       | Existing Rock Pit    |
| Potentially Unstable Area | Optional Reconstruction | Monumented Corners | Leave Trees          |
| Sale Boundary Tags        | Old Grades / Trails     | Waste Area         |                      |
| Leave Tree Tags           |                         |                    |                      |
| Right-of-Way              |                         |                    |                      |



# Timber Sales Map

**SALE NAME:** TRI TIP  
**AGREEMENT#:** 30-091540  
**TOWNSHIP(S):** T09R02E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1193-2256



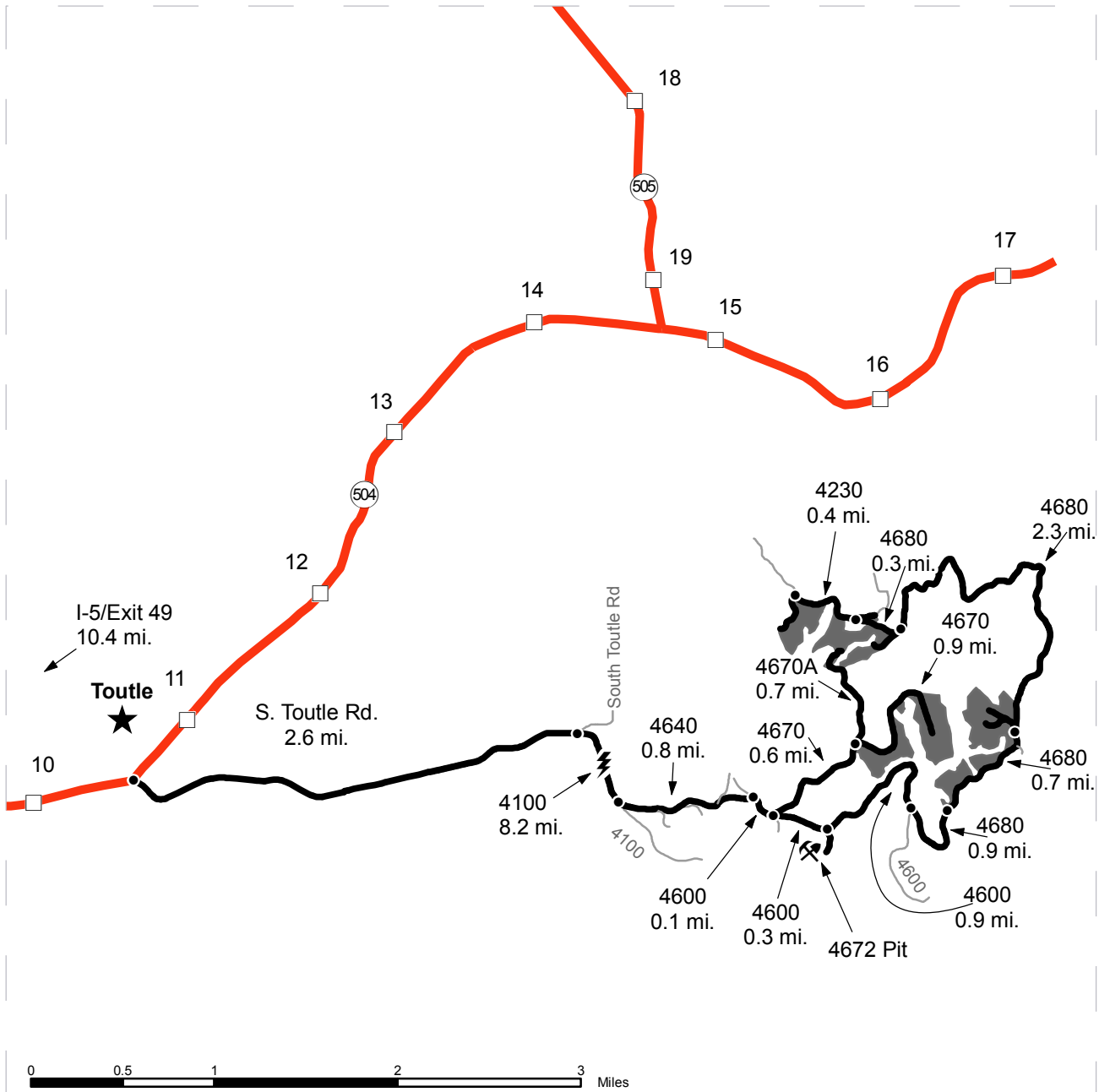
|  |                           |  |                         |  |                    |  |                      |
|--|---------------------------|--|-------------------------|--|--------------------|--|----------------------|
|  | Sale Area                 |  | Existing Road           |  | Streams            |  | Culvert Installation |
|  | Leave Tree Area           |  | Pre-haul Maintenance    |  | Stream Type        |  | Culvert Removal      |
|  | Riparian Mgt Zone         |  | Optional Construction   |  | Stream Break       |  | Existing Rock Pit    |
|  | Potentially Unstable Area |  | Optional Reconstruction |  | Monumented Corners |  | Leave Trees          |
|  | Sale Boundary Tags        |  | Old Grades / Trails     |  | Waste Area         |  |                      |
|  | Leave Tree Tags           |  |                         |  |                    |  |                      |
|  | Right-of-Way              |  |                         |  |                    |  |                      |



# DRIVING MAP

**SALE NAME:** TRI TIP  
**AGREEMENT#:** 30-091540  
**TOWNSHIP(S):** T09R02E  
**TRUST(S):** Common School and Indemnity(3), Scientific School(10)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** COWLITZ  
**ELEVATION RGE:** 1193-2256



|  |                    |
|--|--------------------|
|  | Timber Sale Unit   |
|  | Highways           |
|  | Haul Route         |
|  | Other Route        |
|  | Milepost Markers   |
|  | Distance Indicator |
|  | Distance Break     |
|  | Existing Rock Pit  |

**DRIVING DIRECTIONS:**

From State Route 504 (milepost 10.4), turn south onto South Toutle Road and follow for 2.6 miles. Turn right onto the 4100 and follow for 8.2 miles and turn left onto the 4640. Continue on the 4640 for 0.8 miles, then turn right onto the 4600. Continue on the 4600 for 0.1 miles, then turn left onto the 4670. Continue on the 4670 for 0.6 miles, Units 3-5 will be off the right hand side for the next 0.9 miles. Turn left onto the 4670A and continue for 0.7 miles to Unit 2. Continue on the 4600 for 0.3 miles, turn right onto the 4672 to access the 4672 Pit. Continue on the 4680 for 0.9 miles, stay left onto the 4680. Continue on the 4680 for 0.9 miles, Unit 6 will be on the left. Continue on the 4680 for 0.7 miles, Unit 7 will be on the left down the 468?. Continue on the 4680 for 2.3 miles to access the top of Unit 2. From the 4680, continue straight on the 4630 for 0.4 miles, Unit 1 will be on the left down the 4220 road.





**TIMBER NOTICE OF SALE**

**SALE NAME:** *SHELTON CREEK VRH & VDT*

**AGREEMENT NO:** *30-091440*

**AUCTION:** March 24, 2015 starting at 10:00 a.m., **COUNTY:** Grays Harbor  
South Puget Sound Region Office, Enumclaw, WA

**SALE LOCATION:** Sale located approximately 10 miles northwest of Oakville.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber bounded by white timber sale boundary tags, the C-2700 and C-2730 roads, except those trees marked with yellow paint or bounded out by yellow leave tree area tags and down timber existing 5 years prior to the day of sale in Unit #1; all timber bounded by white timber sale boundary tags, timber type change, the C-2710, C-2718 and D-1000 roads, except those trees marked with yellow paint or bounded out by yellow leave tree area tags and down timber existing 5 years prior to the day of sale in Unit #2; all timber bounded by white timber sale boundary tags and blue special management unit tags, except those trees marked with yellow paint or bounded out by yellow leave tree area tags and down timber existing 5 years prior to the day of sale in Unit #3; all timber bounded by blue special management unit tags and the C-2710 road, except those trees marked with yellow paint or bounded out by yellow leave tree area tags and down timber existing 5 years prior to the day of sale in Unit #4; all timber as described in Schedule A bounded by white timber sale boundary tags, blue special management unit tags and the C-2710 road in Unit #5; all timber described in schedule A bounded by white timber sale boundary tags and the C-2710 road in Unit #6; all timber bounded by orange right-of-way boundary tags in Unit #7, on part(s) of Sections 20, 28, 29 and 32 all in Township 17 North, Range 4 West, W.M., containing 174 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |    |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|----|----|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 20.5    | 7          | 5,227     |              |    |    |    |    | 3,503 | 1,507 | 188 | 29 |
| Hemlock     | 17.3    |            | 192       |              |    |    |    |    | 92    | 80    | 10  | 10 |
| Red alder   | 11.4    |            | 82        |              |    |    |    |    |       | 23    | 49  | 10 |
| Sale Total  |         |            | 5,501     |              |    |    |    |    |       |       |     |    |

**MINIMUM BID:** \$2,036,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$203,600.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Forest products sold under this contract shall be harvested and removed using cable and ground based equipment. Ground based equipment in Units #1 and #2 is limited to shovels on sustained slopes 40% and less. Ground based equipment in Units #3, #4, #5 and #6 is limited to shovels or tracked skidding equipment, as per clause H-120 of the contract.

## TIMBER NOTICE OF SALE

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Falling and yarding will not be permitted from October 1st to April 30th, nor on weekends or state holidays, unless authority to do so is granted in writing by the Contract Administrator. If permission is granted to operate from October 1st to April 30th, the purchaser shall be required to operate under a Winter Operating Plan to include further protection of water, soil, roads and other forest assets at the Purchaser's expense. Preventive measures required in the Winter Operating Plan must be put in place prior to commencing any winter operations.

**ROADS:**

3.56 stations of required construction. 2.28 stations of required reconstruction. 128.34 stations of required pre-haul maintenance. Rock for the proposal may be obtained at no cost to the Purchaser from the state owned Upper Lytle Quarry or existing stockpiles within Upper Lytle Quarry or from a commercial source at the Purchaser expense.

Road construction will not be permitted from October 1st to April 30th, nor on weekends or state recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from October 1st to April 30th, the purchaser shall be required to operate under a Winter Operating Plan to include further protection of water, soil, roads and other forest assets at the Purchaser's expense. Preventive measures required in the Winter Operating Plan must be put in place prior to commencing any winter operations.

**ACREAGE DETERMINATION**

**CRUISE METHOD:** Acreage was determined by traversing boundaries by GPS. Traverse GPS data files and maps are available upon request by emailing [eric.oien@dnr.wa.gov](mailto:eric.oien@dnr.wa.gov) or calling Eric at (360) 825-1631. See cruise narrative for cruise method.

**FEES:**

\$97,643.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** This timber sale is a combination of four variable retention harvest (VRH) units and two riparian management zone (RMZ) units. Units #1, #2, #3 and #4 are VRH and Units #5 and #6 are RMZ thinnings and will be harvested by prescription as described in Schedule A of the contract.

This sale contains approximately 441 mbf of high quality Douglas-fir; see cruise for details.

Blue painted trees within sale area are from a previous planned harvest and may be removed.

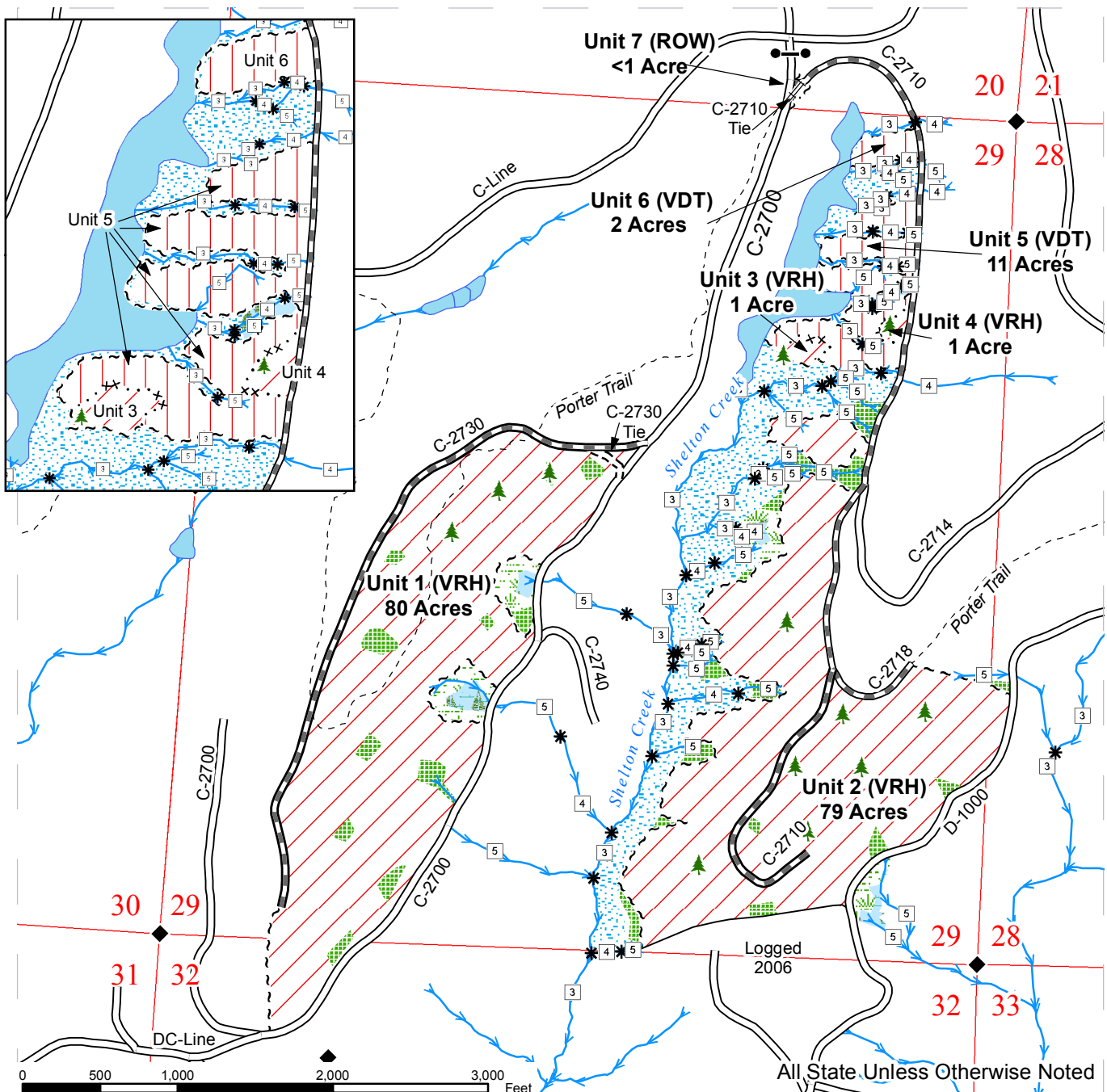
See map for gate locations. Gate keys may be obtained by contacting the South Puget Sound Region office at (360)825-1631 or by contacting the Tumwater work center at (360)902-1449.



# TIMBER SALE MAP

**SALE NAME:** SHELTON CREEK VRH & VDT  
**AGREEMENT#:** 30-091440  
**TOWNSHIP(S):** T17R04W  
**TRUST(S):** State Forest Purchase(2), Forest Board Repayment(42)

**REGION:** South Puget Sound Region  
**COUNTY(S):** GRAYS HARBOR  
**ELEVATION RGE:** 1328-1784

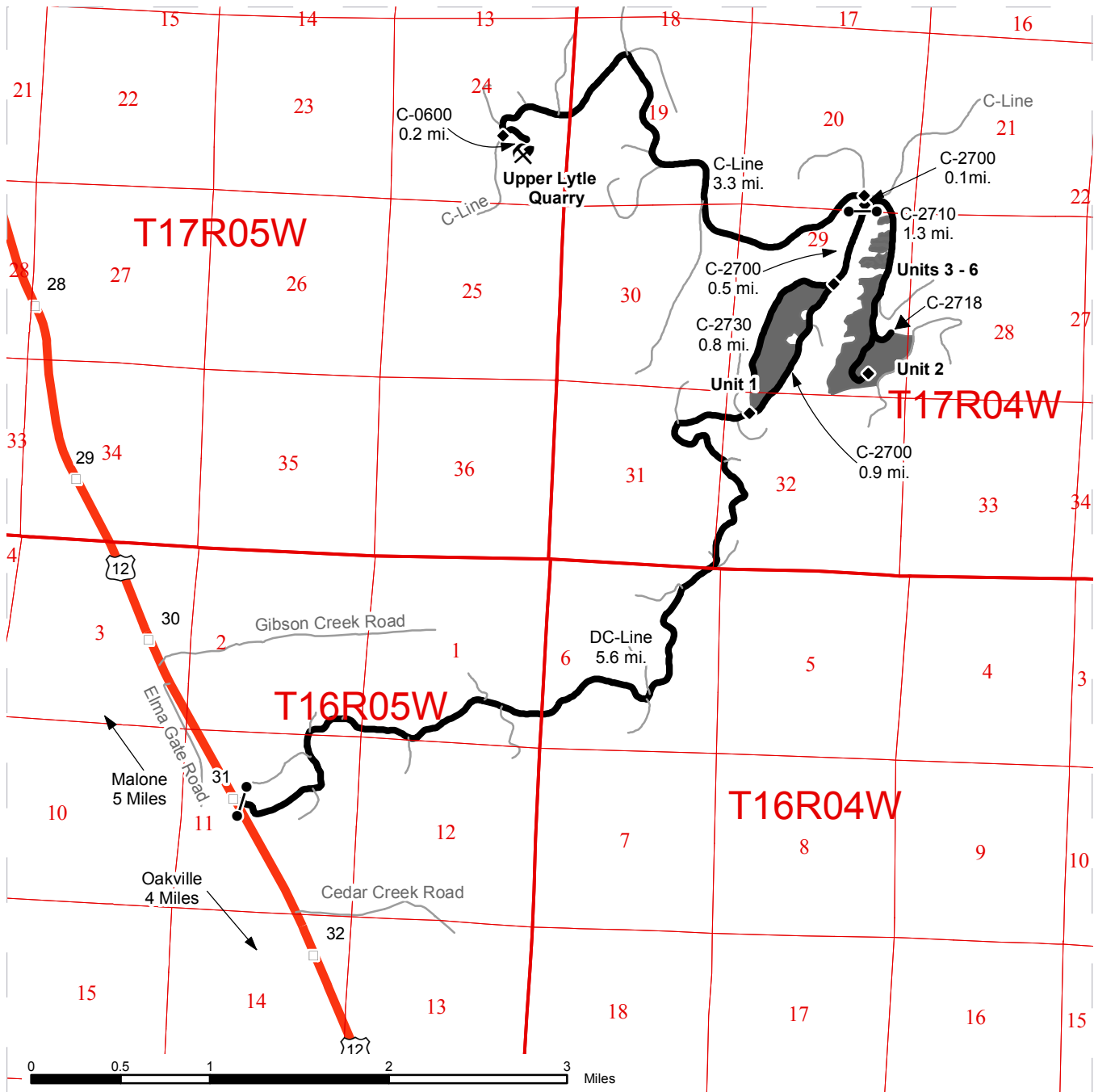


|   |                               |   |
|---|-------------------------------|---|
| Variable Retention Harvest                                  | Sale Boundary Tags            | Streams   |
| RFRS Thinning   | Special Management Tags       | Stream Type   |
| Leave Tree Area - marked with yellow "Leave Tree Area" tags | Right of Way Tags             | Stream Type Break                                       |
| Riparian Mgt Zone   | Existing Road                 | Monumented Corners                                      |
| Wetland Mgt Zone  | Required Pre-Haul Maintenance | Leave Trees - marked with yellow "Leave Tree Area" tags |
| Wetland   | Required Construction         | Gate: Master 957  |
|   | Required Reconstruction       |   |

# DRIVING MAP

**SALE NAME:** Shelton Creek VRH & VDT  
**AGREEMENT#:** 30-091440  
**TOWNSHIP(S):** T17R04W  
**TRUST(S):** State Forest Board Transfer (2), Forest Board Repayment (42)

**REGION:** South Puget Sound  
**COUNTY(S):** Grays Harbor  
**ELEVATION RGE:** 1,351-1,776



- Timber Sale Unit
- Highways
- Haul Route
- Existing Roads
- Milepost Markers
- Rock Pit
- Gate: Master 957
- Distance Indicator

**DRIVING DIRECTIONS:**

From State Route (milepost 31), turn east onto the DC line and follow for 5.6 miles to Unit 1. Where the DC line turns into the C-2700 is the beginning of unit 1.

Unit 2-6: continue on the C-2700 for 1.4 miles to the C-2710. Turn east (right) onto the C-2710 and follow for 0.2 to unit 6.

Continue on the C-2710 for 0.1 Miles to unit 5. Continue on the C-2710 for 0.1 miles to unit 4. Continue on the C-2710 for 0.1 miles to unit 3. Unit 3 will be a walk-in, it is approximately 460 feet west of the C2710. Continue on the C-2710 for 0.1 miles to unit 2.

Upper Lytle Quarry: at the junction of the C-2700/C-2710/C-line turn west (left) onto the C-line go through the gate (PCP 1-1). Continue on the C-line for 3.3 miles to the C-0600. Turn east on to the C-0600 and follow for 0.2 miles to the C-0620. Turn north onto the C-0620 and follow for 0.2 miles to the Upper Lytle Quarry.



**TIMBER NOTICE OF SALE**

**SALE NAME:** NATIVE DANCER

**AGREEMENT NO:** 30-091894

**AUCTION:** March 26, 2015 starting at 10:00 a.m., **COUNTY:** Lewis  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 7 miles north of Adna

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except leave trees bounded by yellow Leave Tree Area tags, leave trees marked with blue paint, and all down timber existing 5 years prior to the sale, bounded by the following: Timber Sale Boundary tags, private property marked with pink flagging, the D-6000 road and blue Special Management Boundary tags in Unit 1; Timber Sale Boundary tags, property line marked with pink flagging, D-6000, and the D-6200 road in Unit 2; All timber marked with a single band of orange paint and orange butt marks, bounded by timber sale boundary tags, blue Special Management Boundary tags and the D-6000 road in WMZ Unit 1; All timber bounded by orange Right-of-Way Boundary tags in Unit 3; on part(s) of Sections 17, 18 and 19 all in Township 14 North, Range 3 West, W.M., containing 105 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |     |    |       |     |     |    |
|-------------|---------|------------|-----------|--------------|----|----|-----|----|-------|-----|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM  | 1S | 2S    | 3S  | 4S  | UT |
| Douglas fir | 20      | 7          | 4,560     |              |    | 34 | 565 |    | 2,789 | 912 | 246 | 14 |
| Red alder   | 13.2    |            | 176       |              |    |    |     |    | 1     | 14  | 152 | 9  |
| Red cedar   | 21.4    |            | 138       |              |    |    |     |    |       | 125 | 13  |    |
| Grand fir   | 25.3    |            | 103       |              |    |    |     |    | 89    | 12  | 1   |    |
| Maple       | 15.8    |            | 73        |              |    |    |     |    | 9     | 12  | 48  | 4  |
| Sale Total  |         |            | 5,050     |              |    |    |     |    |       |     |     |    |

**MINIMUM BID:** \$2,087,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** December 31, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$208,700.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Harvesting activities are estimated to be approximately 100% ground-based. Ground-based harvesting equipment is restricted to slopes of 40% and less, and restricted during saturated soil conditions. A track skidder shall be used in WMZ Unit 1. See Clauses H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator. Ground Based Yarding will not be permitted from October 31 to May 1 unless authorized in writing by the Contract Administrator.

**ROADS:** 14.74 stations of required construction. 11.28 stations of optional construction. 332.18 feet of Required Pre-haul Maintenance. Rock for construction and pre-haul maintenance of roads under this contract may be obtained from any commercial source as approved in



## TIMBER NOTICE OF SALE

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writing by the Contract Administrator. The Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before starting any operations in the rock source. Road construction will not be permitted from October 1 to April 30 unless authorized in writing by the Contract Administrator. The hauling of forest products will not be permitted from October 31 to May 1 unless authorized in writing by the Contract Administrator in all units and on the D-5000, D-5100, D-5100 Shoofly, D-5110, D-6000, D-6300, D-6500, and D-6530 roads. No operation of road construction equipment will be allowed on weekends or state recognized holidays, unless authorized in writing by the Contract Administrator.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** The sale acres were determined by GPS. The sale area was cruised using a variable plot cruise method.

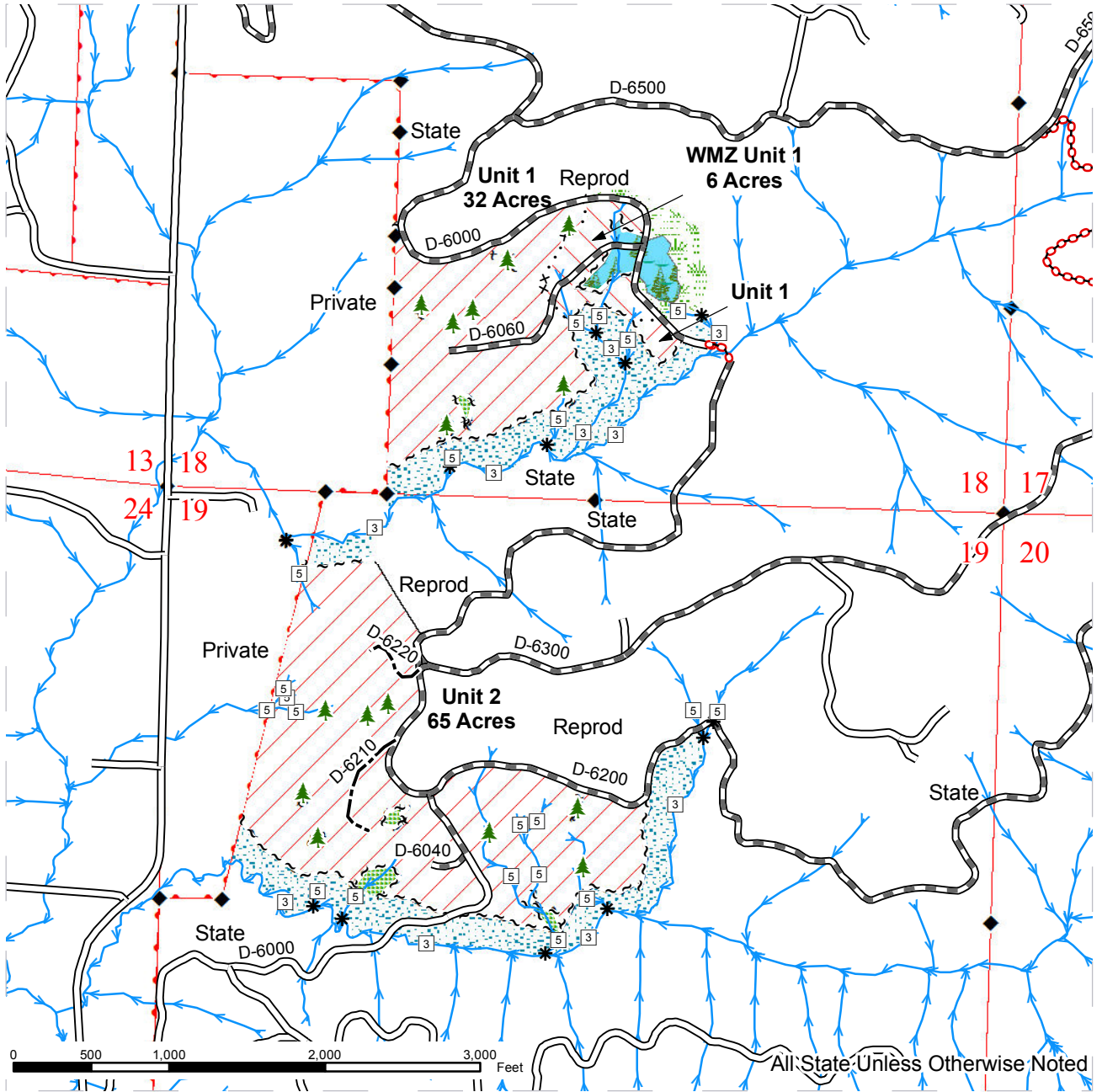
**FEES:** \$89,638.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** Approximately 1,881 MBF of high quality Douglas-fir and Grand Fir 2 sawlog and 3 sawlog combined; see cruise for further details. See driving map for gate locations. PCP1-1 gate keys may be obtained from the Pacific Cascade Region Office.

# TIMBER SALE MAP

**SALE NAME:** NATIVE DANCER  
**AGREEMENT#:** 30-091894  
**TOWNSHIP(S):** T14R03W  
**TRUST(S):** State Forest Transfer(1), Capitol Grant (7)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 262-751



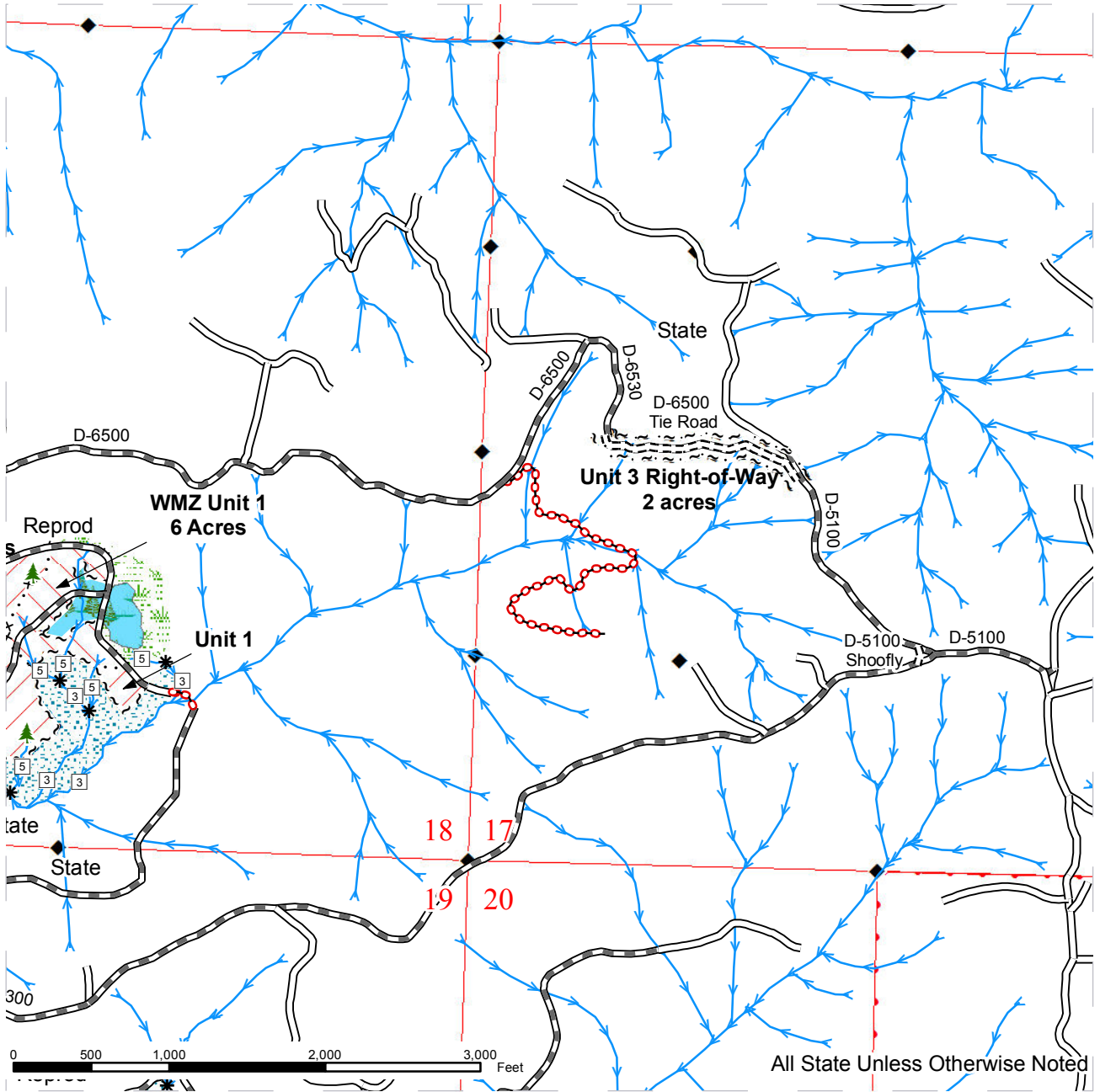
|                            |                       |                               |                    |
|----------------------------|-----------------------|-------------------------------|--------------------|
| Variable Retention Harvest | Leave Tree Tags       | Existing Roads                | Streams            |
| Thinning                   | Special Mgt Area Tags | Required Pre-Haul Maintenance | Stream Type        |
| Leave Tree Area            | Property Line         | Required Construction         | Stream Type Break  |
| Riparian Mgt Zone          | Right of Way Tags     | Optional Construction         | Monumented Corners |
| Wetland Mgt Zone           | Reprod                | Abandoned Road                | Leave Trees        |
| Forested Wetland           |                       |                               |                    |
| Sale Boundary Tags         |                       |                               |                    |



# TIMBER SALE MAP

**SALE NAME:** NATIVE DANCER  
**AGREEMENT#:** 30-091894  
**TOWNSHIP(S):** T14R03W  
**TRUST(S):** State Forest Transfer(1), Capitol Grant (7)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 262-751

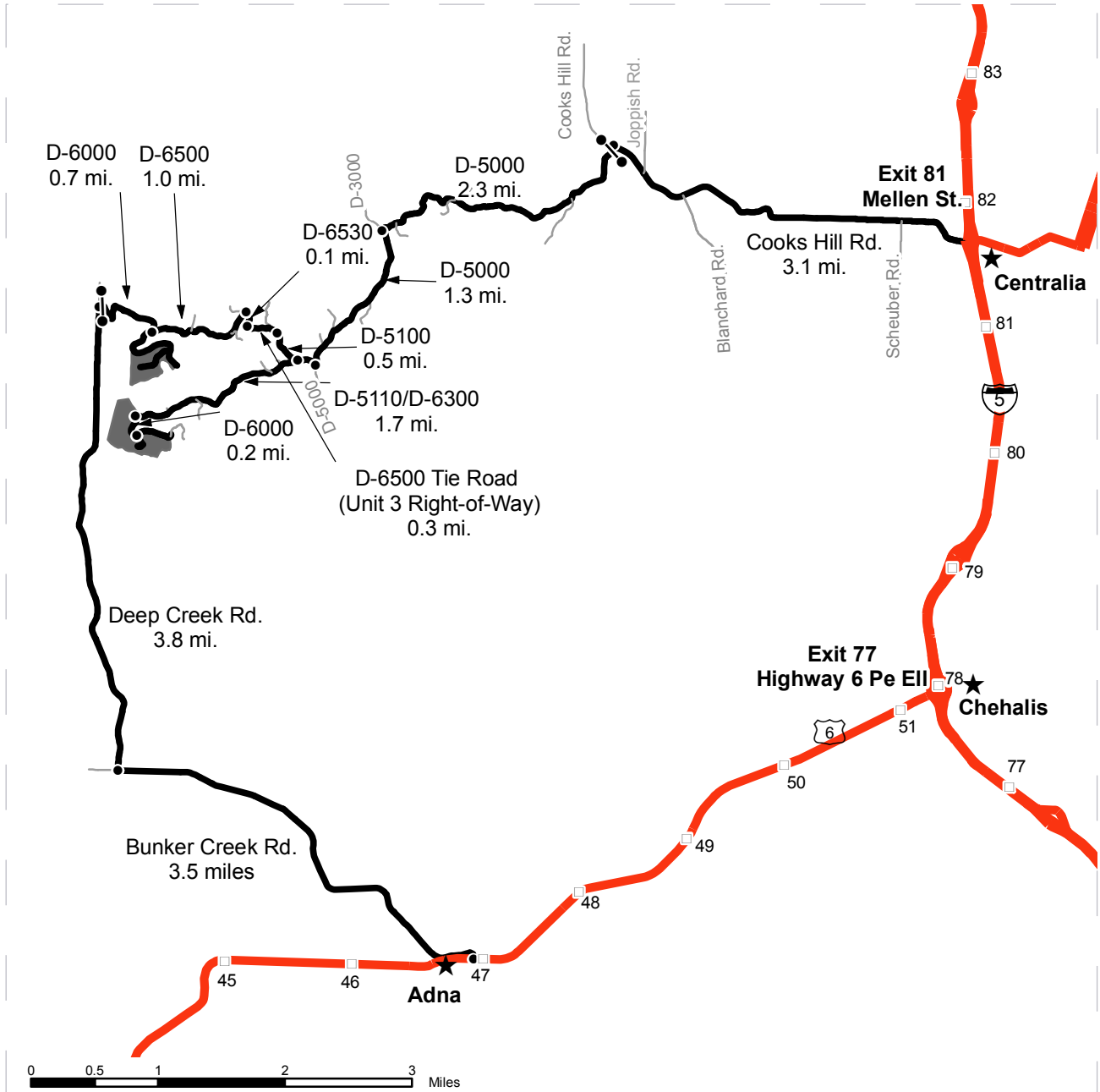


|                            |                       |                               |                    |
|----------------------------|-----------------------|-------------------------------|--------------------|
| Variable Retention Harvest | Leave Tree Tags       | Existing Roads                | Streams            |
| Thinning                   | Special Mgt Area Tags | Required Pre-Haul Maintenance | Stream Type        |
| Leave Tree Area            | Property Line         | Required Construction         | Stream Type Break  |
| Riparian Mgt Zone          | Right of Way Tags     | Optional Construction         | Monumented Corners |
| Wetland Mgt Zone           | Reprod                | Abandoned Road                | Leave Trees        |
| Forested Wetland           |                       |                               |                    |
| Sale Boundary Tags         |                       |                               |                    |

# DRIVING MAP

**SALE NAME:** NATIVE DANCER  
**AGREEMENT#:** 30-091894  
**TOWNSHIP(S):** T14R03W  
**TRUST(S):** State Forest Transfer(1), Capitol Grant (7)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** LEWIS  
**ELEVATION RGE:** 262-751



|  |                    |
|--|--------------------|
|  | Timber Sale Unit   |
|  | Highways           |
|  | Haul Route         |
|  | Other Route        |
|  | Milepost Markers   |
|  | Distance Indicator |
|  | Gate (PCP1-1)      |

**DRIVING DIRECTIONS:**

See attached page for driving directions





**Unit 1 and WMZ Unit 1 from Chehalis:**

From I-5, head west on State Highway 6 (exit 77) for approximately 4 miles. After milepost 47, turn right onto Bunker Creek Road and travel for about 3.3 miles to Deep Creek Road. Turn right (north) onto Deep Creek Road. Travel on Deep Creek Road for 3.8 miles, and then turn right onto the D-6000 road.

Continue on the D-6000 road for 0.7 miles, and then continue right on the D-6000 for another 0.6 miles to Unit 1.

**Unit 2 from Centralia:**

From I-5, take the Mellen Street exit (81) and head west on Cooks Hill Road. Travel for approximately 3.1 miles to the D-5000 road. Turn left (west) onto the D-5000, and travel for 2.3 miles to the D-5000/D-3000 junction. Take a hard left, staying on the D-5000 for another 1.3 miles. Then, take a hard right onto the D-5110. Continue on the D-5110 (which turns into the D-6300) for approximately 1.7 miles until you reach the D-6000 junction and Unit 2.

**Unit 3 Right-of-Way:**

From I-5, head west on State Highway 6 (exit 77) for approximately 4 miles. After milepost 47, turn right onto Bunker Creek Road and travel for about 3.3 miles to Deep Creek Road. Turn right (north) onto Deep Creek Road. Travel on Deep Creek Road for 3.8 miles, and then turn right onto the D-6000 road.

Continue on the D-6000 road for 0.7 miles, and then turn left onto the D-6500 road. Continue on the D-6500 road for 1.0 miles, and then turn right onto the D-6530 for another 0.1 miles to Unit 3 Right-of-Way.



**TIMBER NOTICE OF SALE**

**SALE NAME:** TWEENER

**AGREEMENT NO:** 30-091855

**AUCTION:** March 25, 2015 starting at 10:00 a.m., **COUNTY:** Skagit  
Northwest Region Office, Sedro Woolley, WA

**SALE LOCATION:** Sale located approximately 14 miles northeast of Darrington, WA.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber bounded by white timber sale boundary tags, adjacent young stands, property lines, and the SR-ML (USFS 26) and SR-69 roads, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #1.

All timber bounded by white timber sale boundary tags, adjacent young stands and property lines, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #2.

The above described products on part(s) of Sections 18 and 19 all in Township 33 North, Range 11 East, Sections 13 and 24 all in Township 33 North, Range 10 East, W.M., containing 105 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |    |    |    |     |     |    |
|-------------|---------|------------|-----------|--------------|----|----|----|----|----|-----|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM | 1S | 2S | 3S  | 4S  | UT |
| Hemlock     | 12      | 8          | 743       |              |    |    |    |    | 25 | 453 | 241 | 24 |
| Douglas fir | 13      | 8          | 623       |              |    |    |    |    | 76 | 361 | 178 | 8  |
| Red cedar   | 13      |            | 198       |              |    |    |    |    |    | 120 | 78  |    |
| White pine  | 9       |            | 6         |              |    |    |    |    |    |     |     | 6  |
| Red alder   | 9       |            | 1         |              |    |    |    |    |    |     |     | 4  |
| Sale Total  |         |            | 1,571     |              |    |    |    |    |    |     |     |    |

**MINIMUM BID:** \$548,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** September 30, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$54,800.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable; cable or shovel on sustained slopes 35% or less. Falling and Yarding will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator (THIS PERTAINS TO GROUND-BASED EQUIPMENT ONLY) to reduce soil damage and erosion.

**ROADS:** 5.66 stations of required reconstruction. 59.26 stations of optional construction. 59.26 stations of road to be abandoned if built.

## TIMBER NOTICE OF SALE

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Rock may be obtained from the following source(s) on State land at no charge to the Purchaser: SR-17 Gravel Pit at station 91+13 of the SR-ML Road.

Development of new and existing rock source(s) will involve clearing, stripping and processing rock to generate gravel ballast.

An estimated total quantity of rock needed for this proposal: 360 cubic yards of ballast rock.

Road construction, road reconstruction, road abandonment, and the hauling of rock will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation. The hauling of forest products will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Acres determined by GPS traverse. 110.3 acres gross. 2.9 acres deducted for green tree retention clumps and 2.0 acres deducted for existing roads. 105.4 acres net. Cruised using variable plot method. Expansion factor used is 40.00. Sighting height is 4.5 feet. A total of 72 plots were taken.

Shapefiles of units are available upon request.

**FEES:** \$27,885.25 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

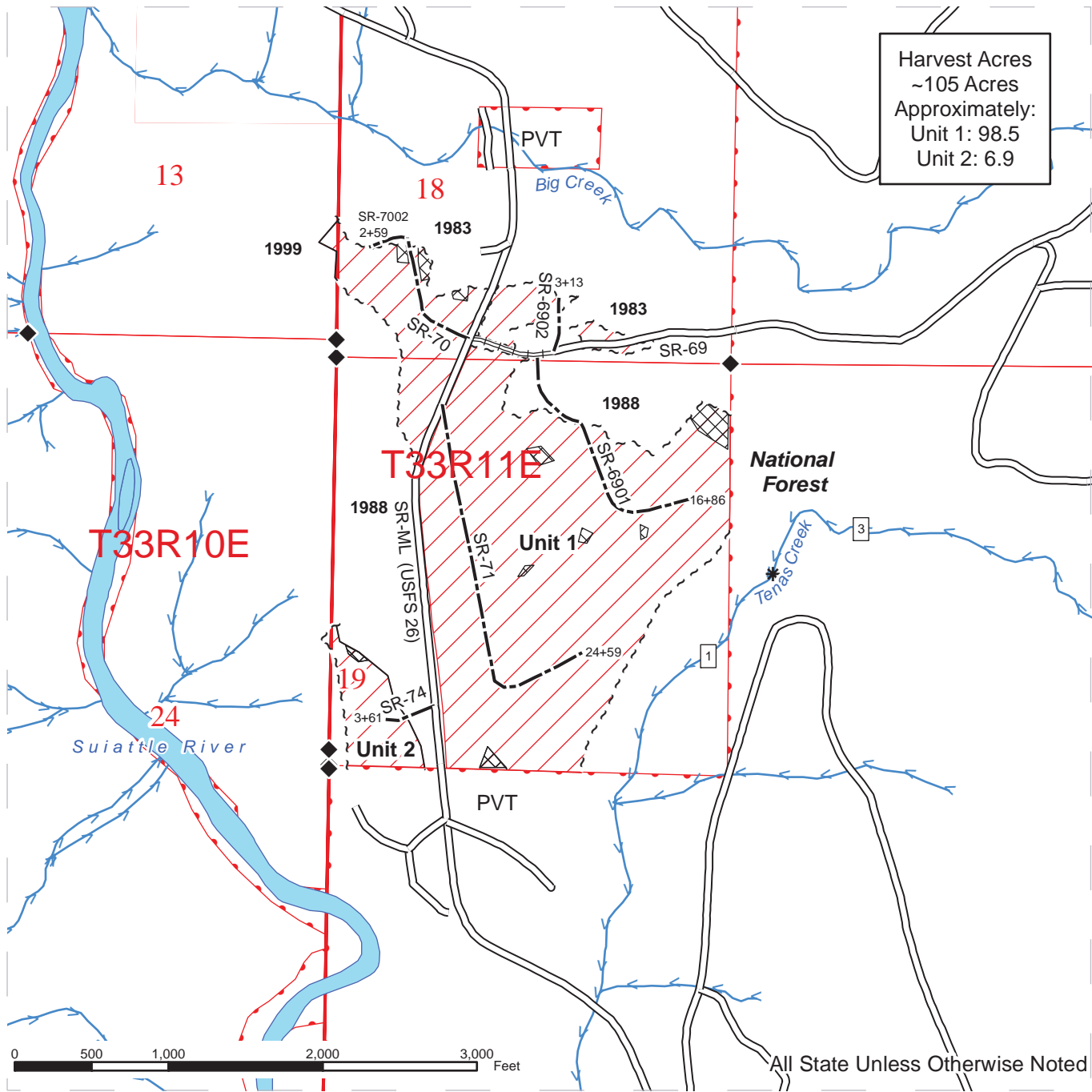
**SPECIAL REMARKS:**

1. Trees marked with red paint with a yellow "T" represent the last take tree along property line boundaries.
2. Extreme hazard abatement is required along the SR-ML (USFS-26) Road.

# TIMBER SALE MAP

**SALE NAME:** Tweener  
**AGREEMENT#:** 91855  
**TOWNSHIP(S):** T33R10E, T33R11E  
**TRUST(S):** 03, 07

**REGION:** Northwest  
**COUNTY(S):** Skagit  
**ELEVATION RGE:** 796'-1029'



**Legend**

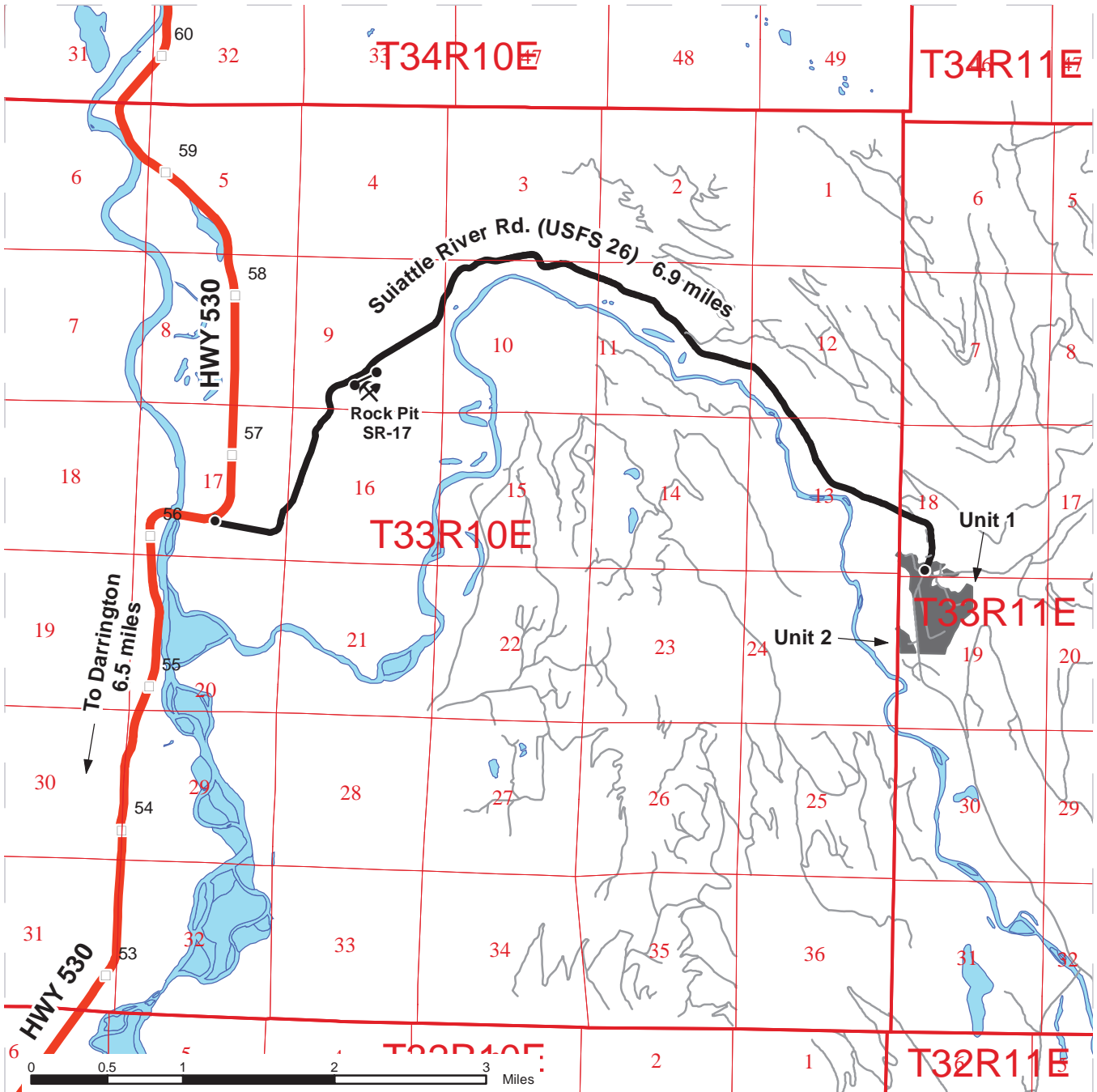
|                              |                         |                         |
|------------------------------|-------------------------|-------------------------|
| Sale Area                    | Existing Road           | Sale Boundary Tags      |
| Streams                      | Optional Construction   | Sale Boundary (No Tags) |
| Open Water                   | Required Reconstruction | Survey Corner           |
| Stream Type                  |                         |                         |
| Stream Break                 |                         |                         |
| Non-Tradable Leave Tree Area |                         |                         |



# DRIVING MAP

SALE NAME: Tweener  
 AGREEMENT#: 91855  
 TOWNSHIP(S): T33R10E, T33R11E  
 TRUST(S): 03, 07

REGION: Northwest  
 COUNTY(S): Skagit  
 ELEVATION RGE: 796'-1029'



- Timber Sale Unit
- Highways
- Other Route
- Haul Route
- Milepost Markers
- Distance Indicator
- Rock Pit
- Gate

**DRIVING DIRECTIONS:**

From Darrington, drive 6.5 miles north on HWY 530. Turn right (east) onto Suiattle River Rd. (USFS 26, SR-ML) and travel 6.9 miles.



**TIMBER NOTICE OF SALE**

**SALE NAME:** SOUTH ROCK VRH VDT

**AGREEMENT NO:** 30-091536

**AUCTION:** March 26, 2015 starting at 10:00 a.m., **COUNTY:** Skamania  
Pacific Cascade Region Office, Castle Rock, WA

**SALE LOCATION:** Sale located approximately 13 miles 13 miles northwest of Stevenson

**PRODUCTS SOLD  
AND SALE AREA:**

All timber, except trees marked with yellow paint, trees bounded out by Leave Tree Area tags, western redcedar, noble fir, silver fir snags, all down timber greater than 36 inches in diameter and all pre-existing stumps bounded by; Timber Sale Boundary tags, property line, reprod, and the CG-2080 road in Unit 1, Timber Sale Boundary tags in Unit 2, Timber Sale Boundary tags, reprod, and the CG-2090C road in Unit 3, Timber Sale Boundary tags, Special Management Unit Boundary tags, and reprod in Unit 4, Timber Sale Boundary tags, Special Management Area tags in Units 5 and 6, and approximately 25 feet from either side of the CG-2090E road centerline marked with orange flagging and orange painted "CL" in Unit 7 on part(s) of Sections 12, 13 and 14 all in Township 3 North, Range 6 East, W.M., containing 127 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |    |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|----|----|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 12.7    | 6          | 3,236     |              |    |    | 79 |    | 1,067 | 1,360 | 702 | 28 |
| Hemlock     | 11.7    | 6          | 774       |              |    |    |    |    | 211   | 351   | 198 | 14 |
| Red alder   | 11.1    |            | 27        |              |    |    |    |    |       |       | 26  | 1  |
| Sale Total  |         |            | 4,037     |              |    |    |    |    |       |       |     |    |

**MINIMUM BID:** \$1,122,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2017 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$112,200.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Ground based equipment and Cable. Harvesting activities are estimated to be approximately 80% cable and 20% ground-based. Ground-based harvesting equipment is restricted to slopes of 35% and less, and restricted during saturated soil conditions. See Clause H-140 and H-141 for further harvest requirements. A detailed felling and yarding plan shall be required prior to any harvest activities and approved in writing by the Contract Administrator. Shovel Yarding will not be permitted from October 1 to May 1 unless authorized in writing by the Contract Administrator.

**ROADS:** 30.48 stations of required construction. 37.76 stations of required reconstruction. 95.94 stations of optional construction. 7.74 stations of optional reconstruction. There are 92.70 stations of required pre-haul maintenance. 129.54 stations of light road abandonment and 9.68 stations of heavy road abandonment. Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained at no cost

## TIMBER NOTICE OF SALE

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to the Purchaser from the CG-2090D Pit located in Section 13, Township 03 North, Range 06 East, W.M. Rock for construction, reconstruction, and pre-haul maintenance under this contract may be obtained from any commercial source as approved in writing by the Contract Administrator. Road construction will not be permitted from October 1 to May 15 unless authorized in writing by the Contract Administrator. Purchaser will be required to construct, reconstruct, haul, and abandon the following roads; CG-2080, CG-2080B1, CG-2080D, CG-CG-2090E, and Spurs A, C, D, E, F, G, and H within the same calendar year.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** The sale acres were determined by GPS. The sale area was cruised using a variable plot cruise method.

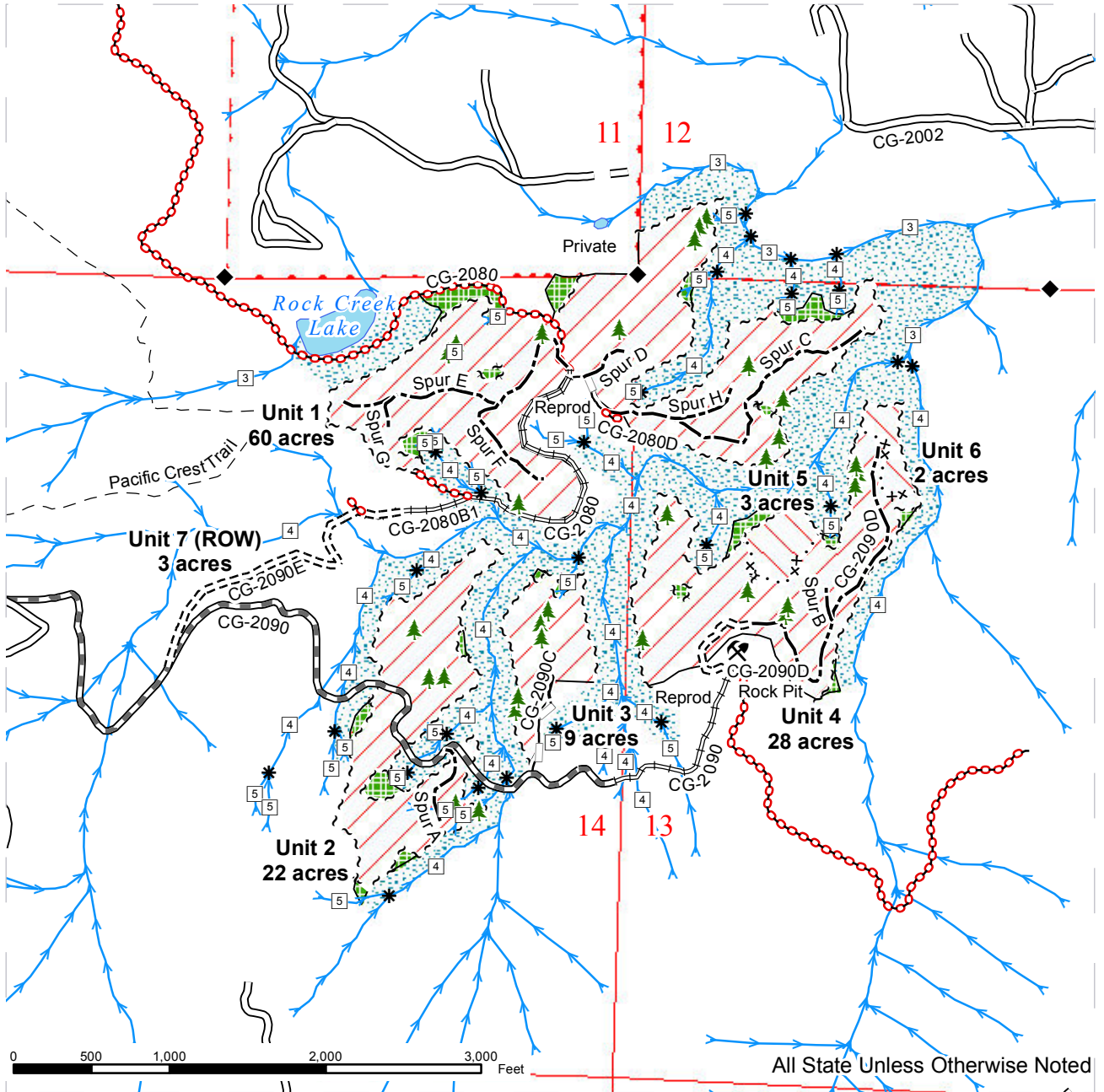
**FEES:** \$71,657.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** There is a component of high quality 2 and 3 sawlog Douglas-fir and western hemlock; see cruise for further details. Downhill cable yarding may be necessary to facilitate the harvest of approximately 11 acres of timber in Unit 2. Bridge installations are scheduled on the CG-2000 and W-2000 roads during the length of this contract. There will be temporary road closures associated with these two installations; however, both roads will not be closed at the same time. Closures are scheduled to not exceed 30 days. All harvest, haul, road construction and abandonment operations for Unit 1 shall be completed within the same calendar year. Blue and red painted trees may be found throughout Units 1 and 4. These markings were part of a previously planned sale and should be disregarded. All blue and red painted trees within the unit boundaries should be taken, except for western red cedar, noble fire and silver fir.

# TIMBER SALE MAP

**SALE NAME:** SOUTH ROCK VRH VDT  
**AGREEMENT#:** 30-091536  
**TOWNSHIP(S):** T03R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** SKAMANIA  
**ELEVATION RGE:** 1364-2413



|  |                            |  |                               |  |                    |
|--|----------------------------|--|-------------------------------|--|--------------------|
|  | Variable Retention Harvest |  | Existing Roads                |  | Streams            |
|  | Variable Density Thinning  |  | Required Pre-Haul Maintenance |  | Stream Type        |
|  | Riparian Mgt Zone          |  | Required Construction         |  | Stream Type Break  |
|  | Leave Tree Area            |  | Required Reconstruction       |  | Monumented Corners |
|  | Special Mgt Area Tags      |  | Optional Construction         |  | Proposed Rock Pit  |
|  | Sale Boundary Tags         |  | Optional Reconstruction       |  | Leave Trees        |
|  | Pink Flagging              |  | Trails                        |  |                    |
|  | Abandoned Roads            |  |                               |  |                    |
|  | Leave Tree Tags            |  |                               |  |                    |

# DRIVING MAP

**SALE NAME:** SOUTH ROCK VRH VDT  
**AGREEMENT#:** 30-091536  
**TOWNSHIP(S):** T03R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** SKAMANIA  
**ELEVATION RGE:** 1364-2413



|                         |                    |
|-------------------------|--------------------|
|                         | Timber Sale Unit   |
|                         | Highways           |
|                         | Haul Route         |
|                         | Other Route        |
|                         | Milepost Markers   |
| <b>Other Map Points</b> |                    |
|                         | Town               |
|                         | Distance Indicator |

**DRIVING DIRECTIONS:**

**Route 1:** From State Route 14 (milepost 16), turn north onto Washougal River Road and follow for 10.2 miles. At the junction with Salmon Falls Road, stay left to remain on Washougal River Road and follow for 7.3 miles. Turn right onto the W-2000 (at Dougan Falls) and follow for 11.1 miles. At the 4-way intersection with the W-1400, the CG-2090, and the CG-2000, take the second right onto the CG-2090. Follow the CG-2090 for 1.1 miles to reach Unit 2. Continue for another 0.5 miles to reach the end of the CG-2090. Units 1, 3, 4, 5, and 6 require a walk in.

**Route 2:** From State Route 14 (between mileposts 26 and 27), turn north onto Salmon Falls Road and follow for 3.4 miles. Turn right onto Washougal River Road and follow the directions from Route 1 beginning at the second line.





# DRIVING MAP

**SALE NAME:** SOUTH ROCK VRH VDT  
**AGREEMENT#:** Not Defined.  
**TOWNSHIP(S):** T03R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** SKAMANIA  
**ELEVATION RGE:** 1364-2413



- A: Red Bluff Road**  
0.3 mi.
- B: Ryan Allen Road**  
0.5 mi.
- C: Foster Creek Road**  
0.4 mi.
- D: Rock Creek Drive**  
0.3 mi.

**Legend:**

- Timber Sale Unit
- Highways
- Haul Route
- Other Route
- Milepost Markers
- Other Map Points**
- Town
- Distance Indicator

**DRIVING DIRECTIONS:**

Route 3: From State Highway 14 (between mileposts 26 and 27), turn north onto Rock Creek Drive and follow for 0.3 miles.  
 Turn left onto Foster Creek Road and follow for 0.4 miles.  
 Stay left to continue onto Ryan Allen Road and follow for 0.5 miles.  
 Turn left onto Red Bluff Road and follow for 0.3 miles.  
 Follow the road to the right where it quickly turns into gravel and becomes the CG-2000.  
 Follow the CG-2000 for 10 miles.  
 At the 4-way junction of the CG-2000, CG-2090, W-1400, and W-2000, take the first left onto the CG-2090.  
 Follow the CG-2090 for 1.1 miles to reach Unit 2.  
 Continue for another 0.5 miles to reach the end of the CG-2090.  
 Units 1, 3, 4, 5, and 6 require a walk in.





**TIMBER NOTICE OF SALE**

**SALE NAME:** CRAWFORD 15

**AGREEMENT NO:** 30-091793

**AUCTION:** March 24, 2015 starting at 10:00 a.m., **COUNTY:** Thurston  
South Puget Sound Region Office, Enumclaw, WA

**SALE LOCATION:** Sale located approximately 4 miles Southeast of Tenino

**PRODUCTS SOLD AND SALE AREA:**

All timber bounded by white timber sale boundary tags, and the OLC-1410 Road, except timber marked with blue paint or bounded by yellow leave tree area tags and existing downed logs shall not be removed, except that all blowdown that has been on the ground less than 5 years can be removed in Unit #1; all timber bounded by white timber sale boundary tags, timber type change, the OLC-1201 and the OLC-1000 road, except timber marked with blue paint or bounded by yellow leave tree area tags and existing downed logs shall not be removed, except that all blowdown that has been on the ground less than 5 years can be removed in Unit #2; All timber bounded by orange right of way tags in Unit #3 on part(s) of Sections 27, 33 and 34 all in Township 16 North, Range 1 West, W.M., containing 142 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |     |       |    |       |       |     |    |
|-------------|---------|------------|-----------|--------------|----|-----|-------|----|-------|-------|-----|----|
|             |         |            |           | 1P           | 2P | 3P  | SM    | 1S | 2S    | 3S    | 4S  | UT |
| Douglas fir | 24.2    | 8          | 7,209     |              |    | 139 | 1,820 |    | 3,958 | 1,097 | 192 | 3  |
| Maple       | 15.8    |            | 389       |              |    |     |       |    | 130   | 115   | 108 | 36 |
| Red alder   | 17.9    |            | 210       |              |    |     |       | 63 | 81    | 22    | 44  |    |
| Red cedar   | 17.1    |            | 92        |              |    |     |       |    |       | 75    | 17  |    |
| Hemlock     | 9.3     |            | 37        |              |    |     |       |    |       | 11    | 20  | 6  |
| Cottonwood  | 43      |            | 18        |              |    |     |       | 13 |       |       |     | 5  |
| Sale Total  |         |            | 7,955     |              |    |     |       |    |       |       |     |    |

**MINIMUM BID:** \$3,200,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$320,000.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** This sale is estimated to be 70% ground-based yarding and 30% cable-based yarding. Ground based yarding equipment will not be permitted on sustained slopes over 35%. Yarding may be restricted if rutting becomes excessive in the opinion of the Contract Administrator, per clause H-017.

Falling, yarding and hauling will not be permitted from November 1st to May 31st, nor between 7:00 P.M. and 7:00 A.M. or on weekends or state holidays, unless authority to do so is granted in writing by the Contract Administrator. If permission is granted to operate from November 1st to May 31st, the purchaser shall be required to operate under a Winter Operating Plan to include further protection of water, soil, roads and other forest



## TIMBER NOTICE OF SALE

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assets at the Purchaser's expense. Preventive measures required in the Winter Operating Plan must be put in place prior to commencing any winter operations.

### **ROADS:**

44.47 stations of optional construction. 11.25 stations of optional reconstruction. 184.95 stations of required pre-haul maintenance. Purchaser maintenance on the OLC-1201, OLC-1201A, OLC-1201B, OLC-1201C, OLC-1210, OLC-1210A, OLC-1400, OLC-1410, OLC-1410A, OLC-1410B, OLC-1410C Roads. Designated maintenance on all other roads used. Rock for this proposal may be obtained from a commercial source at the Purchaser's expense.

Road construction will not be permitted from October 15th to May 1st. See clause 1-25 and 1-26 of the Road Plan for more details.

### **ACREAGE DETERMINATION**

#### **CRUISE METHOD:**

Unit acreage was determined by traversing boundaries by GPS. Traverse GPS data files and cruise maps are available upon request by emailing [eric.oien@dnr.wa.gov](mailto:eric.oien@dnr.wa.gov) or calling Eric Oien at (360) 802-7010. See cruise narrative for cruise method.

### **FEES:**

\$141,201.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

### **SPECIAL REMARKS:**

This sale contains high quality Douglas-fir and high quality utility poles.

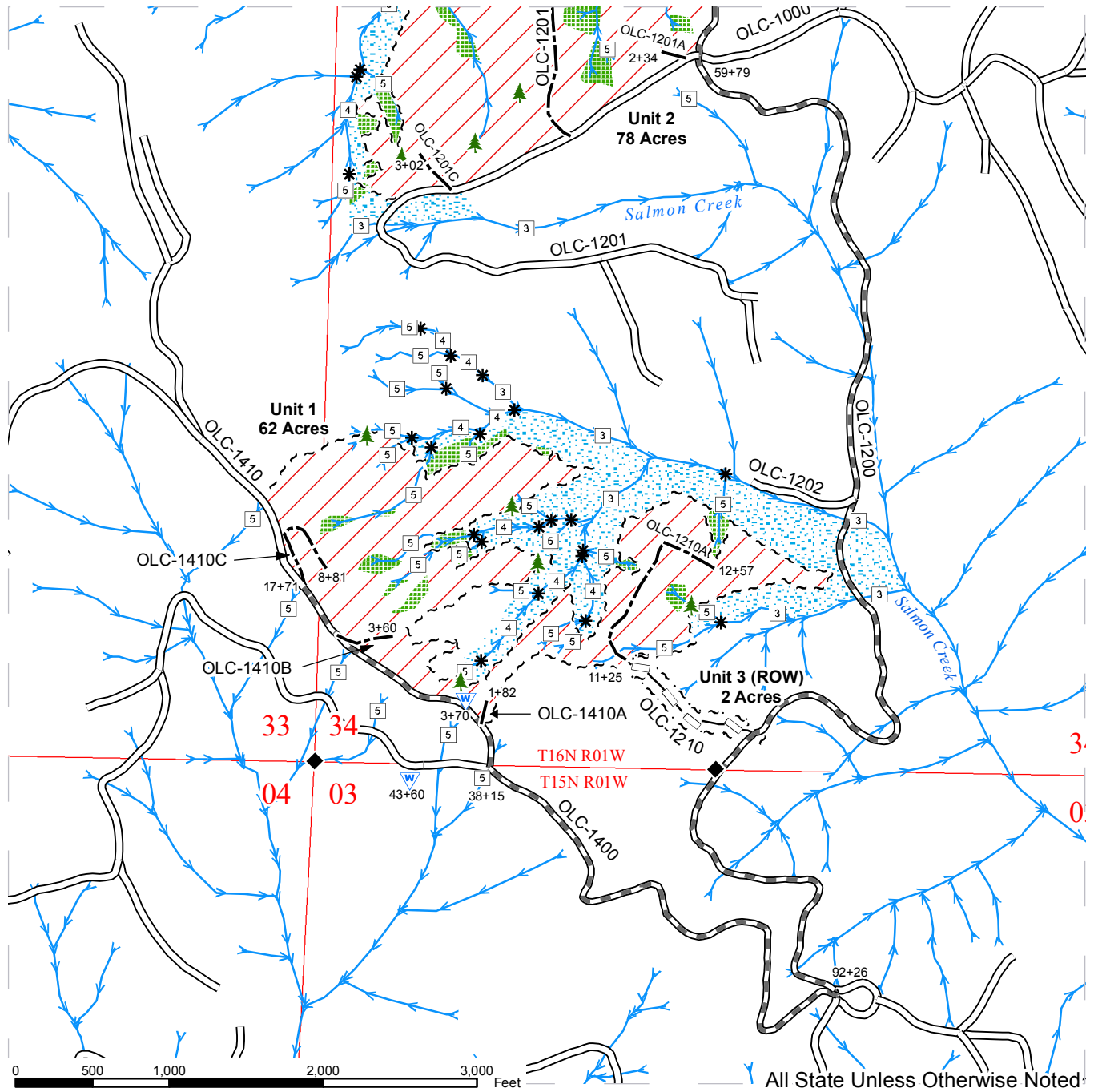
Full suspension required in two locations in Unit #1. See Logging Plan Map for locations. These areas are marked with black cross hatch on the maps.

See map for gate locations. Gate keys may be obtained by contacting the South Puget Sound Region office at (360)825-1631 or by contacting the Tumwater work center at (360)902-1449.

# TIMBER SALE MAP

**SALE NAME:** CRAWFORD 15  
**AGREEMENT#:** 30-091793  
**TOWNSHIP(S):** T16R01W  
**TRUST(S):** State Forest Board Transfer(01)

**REGION:** South Puget Sound Region  
**COUNTY(S):** THURSTON  
**ELEVATION RGE:** 465-1245

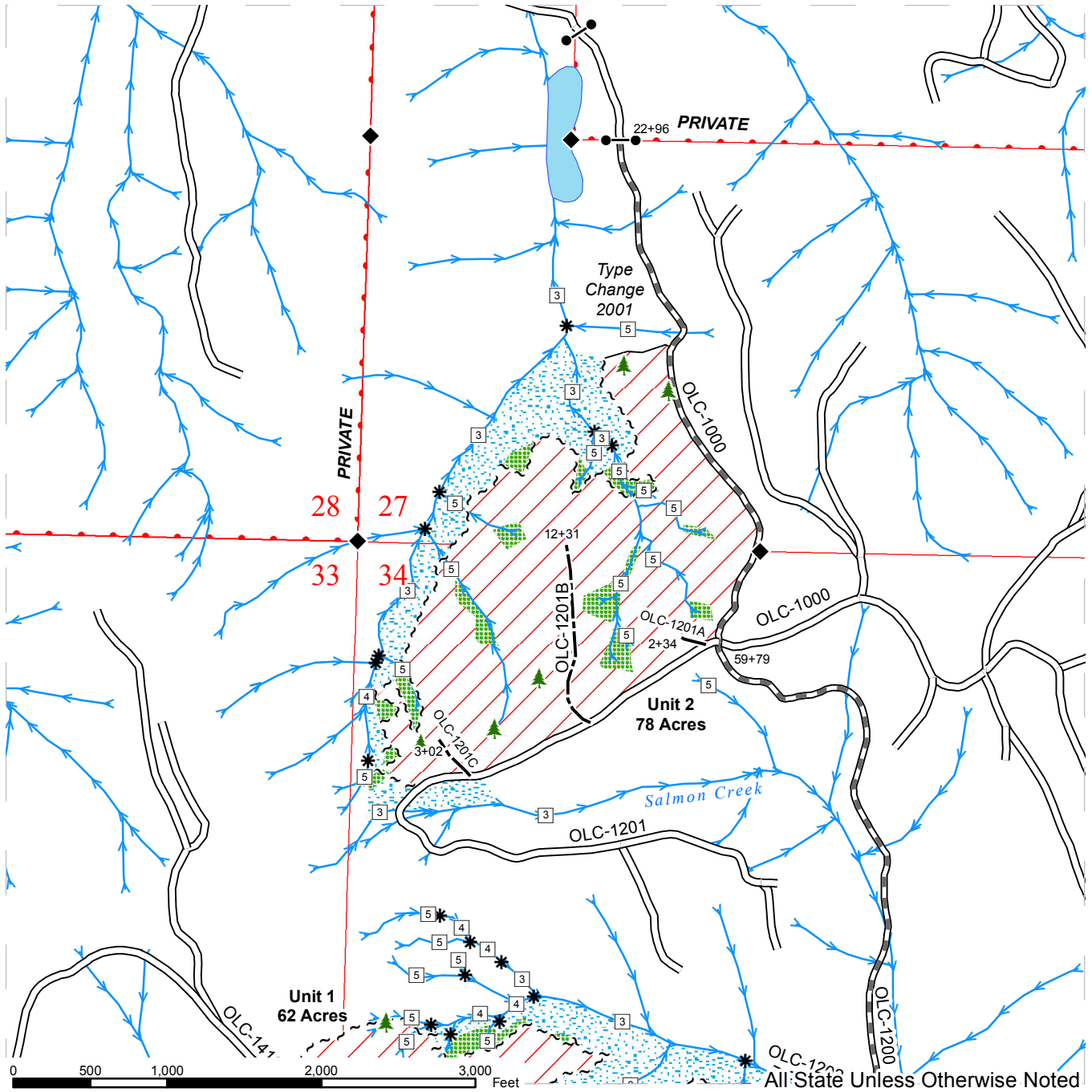


|   |                               |                    |
|---|-------------------------------|--------------------|
| Sale Area   | Existing Roads                | Gate: Master 957   |
| Riparian Mgt Zone   | Required Pre-Haul Maintenance | Waste Area         |
| Leave Tree Area - marked with yellow "Leave Tree Area" tags or blue paint | Optional Construction         | Leave Trees        |
| Sale Boundary Tags  | Optional Reconstruction       | Monumented Corners |
| Right of Way Tags   | Streams                       | DNR Managed Lands  |
| Timber Type Change  | Stream Type                   |                    |
|   | Stream Type Break             |                    |

# TIMBER SALE MAP

**SALE NAME:** CRAWFORD 15  
**AGREEMENT#:** 30-091793  
**TOWNSHIP(S):** T16R01W  
**TRUST(S):** State Forest Board Transfer(01)

**REGION:** South Puget Sound Region  
**COUNTY(S):** THURSTON  
**ELEVATION RGE:** 465-1245



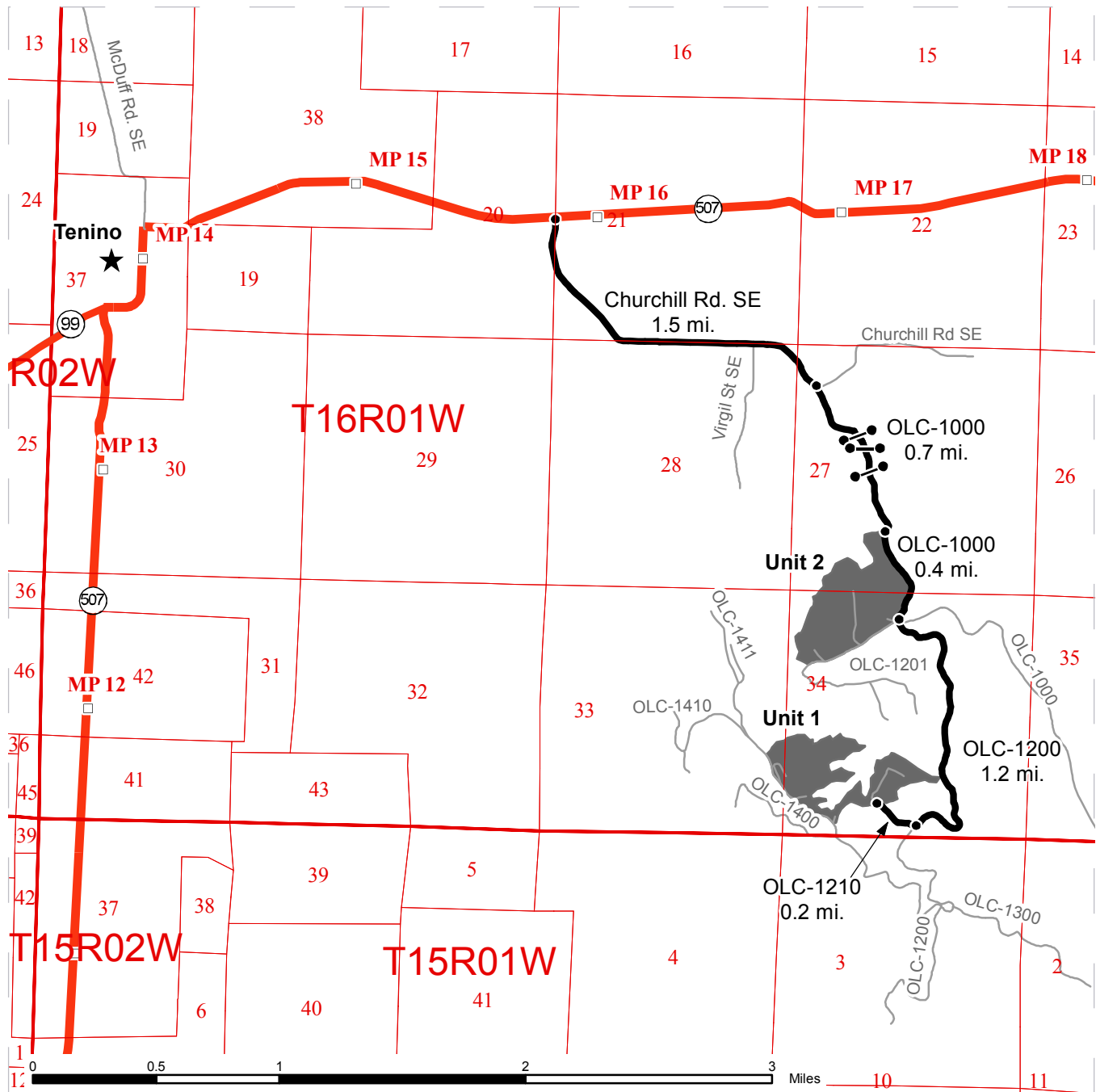
|   |                               |                    |
|---|-------------------------------|--------------------|
| Sale Area   | Existing Roads                | Gate: Master 957   |
| Riparian Mgt Zone   | Required Pre-Haul Maintenance | Waste Area         |
| Leave Tree Area - marked with yellow "Leave Tree Area" tags or blue paint | Optional Construction         | Leave Trees        |
| Sale Boundary Tags  | Optional Reconstruction       | Monumented Corners |
| Right of Way Tags   | Streams                       | DNR Managed Lands  |
| Timber Type Change  | Stream Type                   |                    |
|   | Stream Type Break             |                    |

All State Unless Otherwise Noted

# DRIVING MAP

**SALE NAME:** CRAWFORD 15  
**AGREEMENT#:** Not Defined.  
**TOWNSHIP(S):** T16R01W  
**TRUST(S):** State Forest Board Transfer(01)

**REGION:** Pacific Cascade Region  
**COUNTY(S):** THURSTON  
**ELEVATION RGE:** 465-1245



|  |                    |
|--|--------------------|
|  | Timber Sale Unit   |
|  | Highways           |
|  | Other Route        |
|  | Haul Route         |
|  | Milepost Markers   |
|  | Distance Indicator |
|  | Gate: Master 957   |

**DRIVING DIRECTIONS:**

- From State Route 507 (between milepost 15-16) turn right (south) onto Churchill Rd. and follow for 1.5 miles.
- Turn right (South) onto the OLC-1000 (gates at 0.25 miles, 0.3 miles, and 0.35 miles) and follow for 0.7 miles. Unit 2 will be on the right (west).
- Continue on the OLC-1000 for 0.4 miles. Go straight (south) at the four-way intersection onto the OLC-1200 and continue for 1.2 miles.
- Turn right (northwest) on the OLC-1210 for 0.2 miles to access Unit 1.







**TIMBER NOTICE OF SALE**

**SALE NAME:** MIMA CREEK VRH & VDT

**AGREEMENT NO:** 30-091809

**AUCTION:** March 24, 2015 starting at 10:00 a.m., **COUNTY:** Thurston  
South Puget Sound Region Office, Enumclaw, WA

**SALE LOCATION:** Sale located approximately 11 miles northwest of Littlerock.

**PRODUCTS SOLD AND SALE AREA:**

All timber bounded by white timber sale boundary tags, timber type change, the D-4600 and D-4670 roads except leave trees bounded out by yellow leave tree area tags and down timber existing more than 5 years prior to the day of sale in Unit #1; All timber bounded by white timber sale boundary tags, blue special management area tags and timber type change, except leave trees bounded out by yellow leave tree area tags and down timber existing more than 5 years prior to the day of sale in Unit #2; All timber bounded by white timber sale boundary tags, blue special management area tags and the D-4600 road, except leave trees bounded out by yellow leave tree area tags and down timber existing more than 5 years prior to the day of sale in Unit #3; All trees marked with orange paint bounded by white timber sale boundary tags, blue special management area tags, timber type change and the D-4600 road in Unit #4; All timber bounded by orange right of way tags, on part(s) of Sections 5 and 6 all in Township 16 North, Range 3 West, Sections 31 and 32 all in Township 17 North, Range 3 West, W.M., containing 99 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |       |    |       |     |     |    |
|-------------|---------|------------|-----------|--------------|----|----|-------|----|-------|-----|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM    | 1S | 2S    | 3S  | 4S  | UT |
| Douglas fir | 25.9    | 9          | 5,610     |              |    | 51 | 1,006 |    | 3,983 | 434 | 105 | 31 |
| Hemlock     | 32.5    |            | 47        |              |    |    |       |    | 41    | 6   |     |    |
| Red cedar   | 26.1    |            | 16        |              |    |    |       |    |       | 15  | 1   |    |
| Sale Total  |         |            | 5,673     |              |    |    |       |    |       |     |     |    |

**MINIMUM BID:** \$2,314,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** October 31, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$231,400.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** This sale is estimated to be 80% ground-based yarding and 20% cable-based yarding. Ground based yarding equipment shall only operate from May 1st to September 30th, unless authorized in writing by the Contract Administrator.

Tracked skidders may be used only for pole removal in Units 1-3 and all yarding in Unit 4. All ground based equipment is limited to sustained slopes of 40% or less.

Ground based yarding in Units 1, 2 and 3 and cutting and yarding within Unit 4 (VDT) will not be permitted from October 1st to April 30th, unless authority to do so is granted

## TIMBER NOTICE OF SALE

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in writing by the Contract Administrator. If permission is granted to operate from October 1st to April 30th the purchaser shall be required to operate under a Winter Operating Plan to include further protection of water, soil, roads and other forest assets at the Purchaser's expense. Preventive measures required in the Winter Operating Plan must be put in place prior to commencing any winter operations.

### **ROADS:**

47.63 stations of optional construction. 1.00 stations of optional reconstruction. 202.31 stations of required pre-haul maintenance. 9.34 stations of decommissioning if built. 191.50 stations of road post haul maintenance. Purchaser maintenance on the D-4600 (from the D-4630 junction to the D-4694 junction), D-4670, D-4680, D-4681, D-4689, D-4694, D-4694 ext. and D-4694.4 roads. Designated maintenance on all other roads used. Rock may be obtained at no charge from existing state owned Greenline Quarry or from a commercial source at the Purchaser's expense.

Rock volumes provided on the Road Plan Rock List are estimated on an (in-place) basis. Compliance of rock will be based on compacted depth measurement. Apply appropriate factors to determine loose amounts for estimating purposes.

Road construction, reconstruction, pre-haul maintenance, and rock haul will not be permitted from October 1st to April 30th, nor on weekends or state recognized holidays, unless authority to do so is granted, in writing, by the Contract Administrator. If permission is granted to operate from October 1st to April 30th, the Purchaser shall be required to provide a "Winter Operating Plan" to include further protection of water, soil, roads and other forest assets at the Purchaser's expense. The "Winter Operating Plan" must be approved in writing by the Contract Administrator and preventative measures put in place prior to commencing any winter operations.

### **ACREAGE DETERMINATION**

**CRUISE METHOD:** Unit acreage was determined by traversing boundaries by GPS. Traverse GPS data files and cruise maps are available upon request by emailing [eric.oien@dnr.wa.gov](mailto:eric.oien@dnr.wa.gov) or calling Eric Oien at (360) 802-7010. See cruise narrative for cruise method.

**FEES:** \$100,696.00 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:** This proposal contains approximately 1.5 MMBF of high quality Douglas-fir.

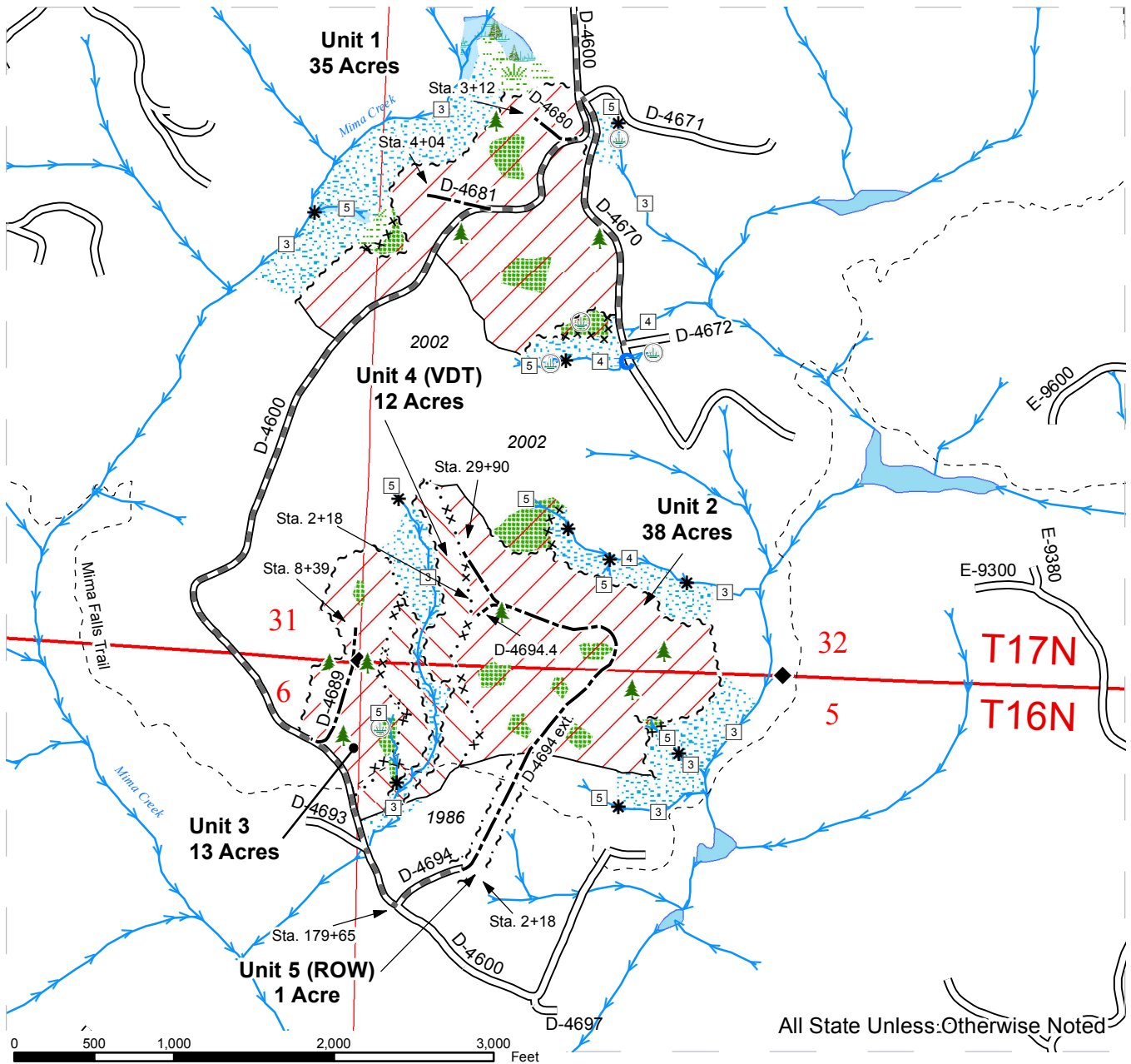
Units 1, 2 and 3 are VRH harvests. Unit 4 is a RMZ thinning, See Schedule A for thinning unit requirements. Purchaser will be required to fell 36 trees for down woody debris, and create 24 snags within Unit 4. These trees are marked with pink paint. Trees marked with blue paint are from past activities and may be removed with this timber sale, except those within tagged leave tree areas.

If the Purchaser chooses to remove poles greater than 60 feet in length, a haul plan must be submitted in writing to the Contract Administrator. If approved in writing by the Contract Administrator, all work shall be at the Purchaser's expense.

# TIMBER SALE MAP

**SALE NAME:** MIMA CREEK VRH & VDT  
**AGREEMENT#:** 30-091809  
**TOWNSHIP(S):** T17R03W, T16R03W  
**TRUST(S):** State Forest Purchase(02), Forest Board Repayment(42)

**REGION:** South Puget Sound  
**COUNTY(S):** THURSTON  
**ELEVATION RGE:** 367-808



All State Unless Otherwise Noted

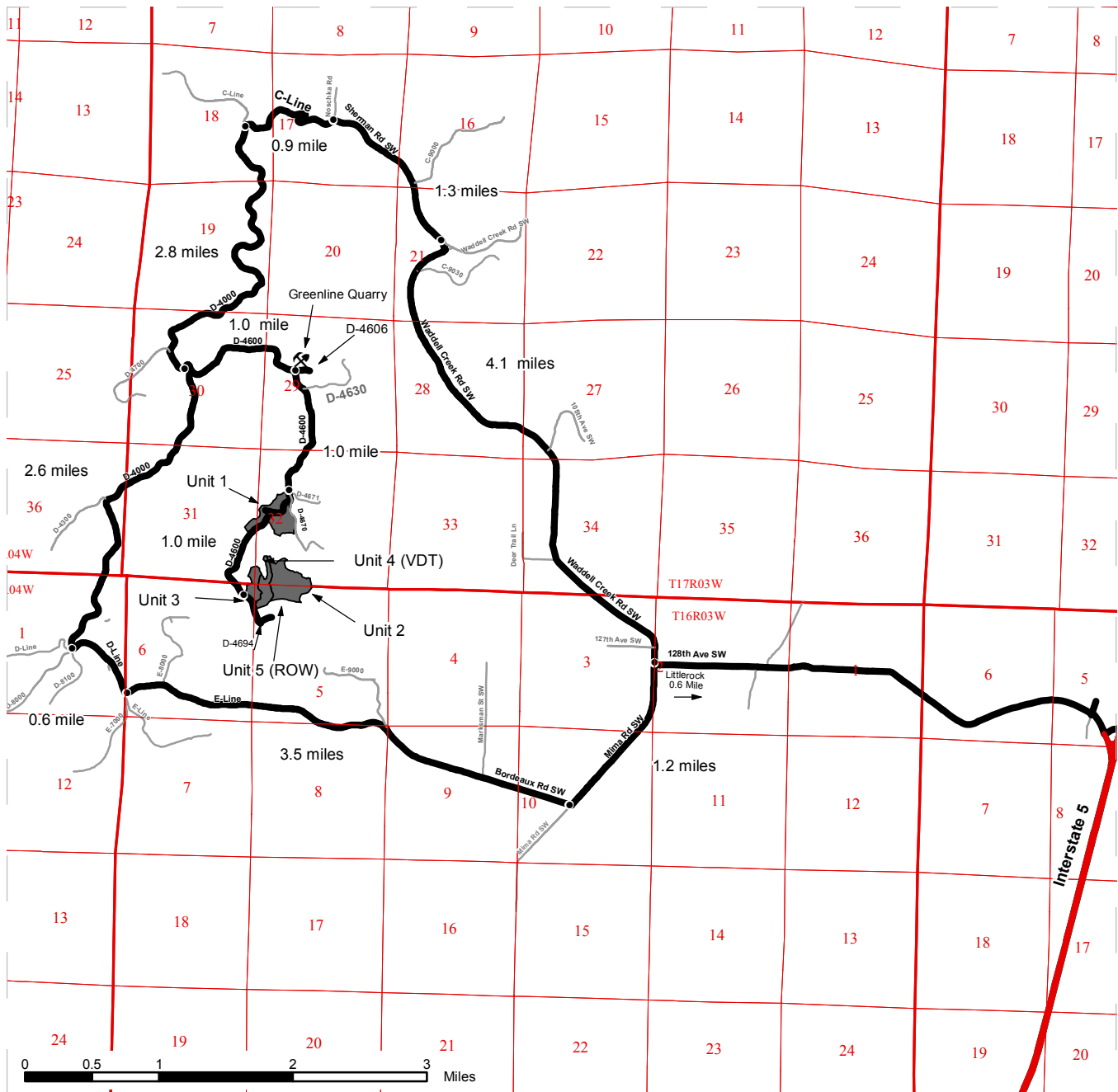
|   |                               |                      |
|---|-------------------------------|----------------------|
| VRH Units   | Right-of-Way Tags             | Streams              |
| VDT Unit  | Timber Type Change            | Stream Type          |
| Leave Tree Area - marked with yellow "Leave Tree Area" tags | White Flagging                | Stream Break         |
| Riparian Mgmt Zone  | Existing Roads                | Culvert Installation |
| Wetland Mgmt Zone   | Required Pre-Haul Maintenance | Wetland <0.25 Acre   |
| Forested Wetland  | Optional Construction         | Leave Trees          |
| Sale Boundary Tags  | Recreation Trail              | Monumented Corner    |
| Special Mgmt Area Tags                                      |                               |                      |



# DRIVING MAP

**SALE NAME:** MIMA CREEK VRH & VDT  
**AGREEMENT#:** 30-091809  
**TOWNSHIP(S):** T17R03W, T16R03W  
**TRUST(S):** State Forest Purchase (02), Forest Board Repayment (42)

**REGION:** SOUTH PUGET SOUND  
**COUNTY(S):** THURSTON  
**ELEVATION RGE:** 367-808



|  |                    |
|--|--------------------|
|  | Timber Sale Unit   |
|  | Haul Route         |
|  | Existing Roads     |
|  | Milepost Markers   |
|  | Distance Indicator |
|  | Existing Rock Pit  |

**DRIVING DIRECTIONS:**

From Littlerock travel west on 128th Ave for 0.9 miles.  
 Turn left onto Waddell Creek Road for 1.2 miles.  
 Turn right onto Bordeaux Road which turns into the E-Line for 3.5 miles.  
 Turn right onto the D-Line for 0.6 mile.  
 Turn right onto the D-4000 for 2.6 miles.  
 Turn right onto the D-4600 for 2.0 miles to Unit 1.  
 Continue on the D-4600 for 1 mile to Units 3 and 4 (VDT).  
 Continue on D-4600 for 1200 feet.  
 Turn left on the D-4694 for 491 feet to D-4694 ext Unit 5 (Right-of-Way) to Unit 2.

Rock Pit: From the D-4000/D-4600 junction; continue on the D-4600 for 1 mile.  
 Turn left onto the D-4606 Green Line quarry is straight ahead.  
 Turn left onto the D-4660 and follow for 400 feet to rock pit.

**TIMBER NOTICE OF SALE**

**SALE NAME:** WEST CLEARWATER VRH and VDT

**AGREEMENT NO:** 30-090436

**AUCTION:** March 25, 2015 starting at 10:00 a.m.,  
Northwest Region Office, Sedro Woolley, WA

**COUNTY:** Whatcom

**SALE LOCATION:** Sale located approximately 15 miles east of Deming, WA.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber bounded by white timber sale boundary tags and the CW-28 Road and CW-ML Road, except trees marked with blue paint on the bole and root collar and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #1 (comprised of 1A and 1B).

All timber as described for removal in Schedule B bounded by white timber sale boundary tags and the CW-ML and abandoned roads, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags, forest products tagged out by blue special management tags, and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #2.

All timber in the variable retention harvest areas (beyond the blue special management up to the white timber sale boundary tags, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags and cedar snags, preexisting dead and down cedar trees and cedar logs within Unit #2.

All timber bounded by orange right of way tags, except that title to the timber within the right of way tags is not conveyed to the Purchaser unless the road segment is actually constructed.

The above described products on part(s) of Sections 3, 9, 10 and 16 all in Township 38 North, Range 6 East, W.M., containing 149 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | Total \$/MBF | MBF by Grade |    |    |    |    |     |     |     |    |
|-------------|---------|------------|-----------|--------------|--------------|----|----|----|----|-----|-----|-----|----|
|             |         |            |           |              | 1P           | 2P | 3P | SM | 1S | 2S  | 3S  | 4S  | UT |
| Hemlock     | 18      | 7          | 1,334     | \$150.00     |              |    |    |    |    | 432 | 678 | 216 | 8  |
| Douglas fir | 18      | 8          | 973       | \$186.00     |              |    |    |    |    | 528 | 355 | 89  | 1  |
| Silver fir  | 13      |            | 895       | \$150.00     |              |    |    |    |    | 108 | 586 | 192 | 9  |
| Red alder   | 12      |            | 228       | \$245.00     |              |    |    |    |    |     | 169 | 42  | 17 |
| Red cedar   | 13      |            | 163       | \$753.00     |              |    |    |    |    |     | 103 | 60  |    |
| Sale Total  |         |            | 3,593     |              |              |    |    |    |    |     |     |     |    |

**MINIMUM BID:** \$186/MBF (est. value \$693,000.00)      **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00      **SALE TYPE:** MBF Scale

**EXPIRATION DATE:** September 30, 2017      **ALLOCATION:** Export Restricted

**BIDDABLE SPECIES:** Douglas fir

## TIMBER NOTICE OF SALE

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**BID DEPOSIT:** \$69,300.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable; cable or shovel on sustained slopes 35% or less. Falling and Yarding will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator (THIS PERTAINS TO GROUND-BASED EQUIPMENT ONLY) to reduce soil damage and erosion.

Cutting and yarding shall not be permitted during the bark slippage season unless authorized in writing by the Contract Administrator. This season is estimated to run from April 1 to July 15 but may vary depending on weather conditions. If permission is granted to operate during the bark slippage season the purchaser shall be required to provide a plan outlining mitigation measure.

**ROADS:** 105.59 stations of required reconstruction. 77.84 stations of optional construction. 77.84 stations of road to be abandoned if built.

Rock may be obtained from the following source(s) on State land at no charge to the Purchaser: Saint Stephan Pit at station 18+09 of the MF-25 Road.

Development of existing rock source will involve drilling, shooting, and processing rock to generate riprap, and 3-inch-minus ballast.

An estimated total quantity of rock needed for this proposal: 261 cubic yards of riprap and 10,310 cubic yards of ballast rock.

Road construction, road reconstruction, road abandonment, and the hauling of rock will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation. The hauling of forest products will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation.

### ACREAGE DETERMINATION

**CRUISE METHOD:** Acres determined by GPS traverse. 161.7 acres gross. 7.7 acres deducted for green tree retention clumps and 5.1 acres deducted for existing road area. 148.9 acres net. Cruised using variable plot method. Expansion factor used is 54.45 and 40.00 in Unit 1A; 62.5 and 40 in Unit 1B; 54.45 in Unit 2 and right-of-way. Sighting height is 4.5 feet. A total of 96 plots were taken.

Shapefiles of units are available upon request.

**FEES:** \$63,775.75 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

**SPECIAL REMARKS:**

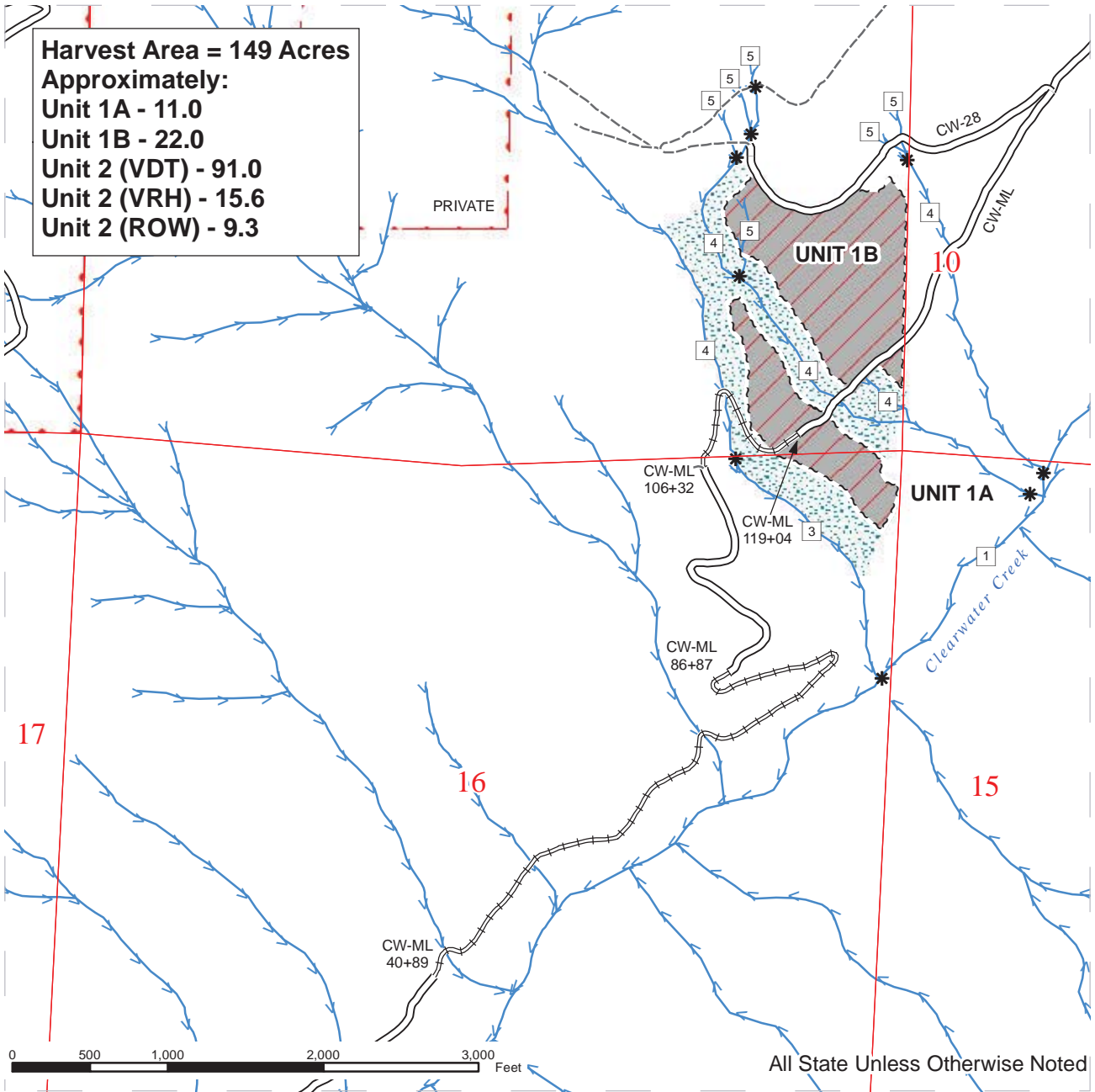
1. Construction of CW-33 is on an orphaned grade. Construction of a portion of CW-34 is on an orphaned grade. See road plan.
2. Outer boundary of the variable retention harvest area in Unit 2 is demarcated with blue special management tags.
3. HQ DF noted within the sale area. See cruise for further details (approximately 58 mbf of the above listed DF 2S is deemed high quality by the Department).
4. At station 57+53 of the CW-33 Road, the culvert shall not be allowed to "over-winter" during the closed season from November 1 to March 31. During the closed season, this culvert must be removed but may be reinstalled during the open season if it is still needed.



# TIMBER SALE MAP

SALE NAME: WEST CLEARWATER VDT  
 AGREEMENT#: 90436  
 TOWNSHIP(S): T38R06E  
 TRUST(S): Common School and Indemnity(3)

REGION: Northwest Region  
 COUNTY(S): WHATCOM  
 ELEVATION RGE: 2029-3068



**Harvest Area = 149 Acres  
 Approximately:**  
 Unit 1A - 11.0  
 Unit 1B - 22.0  
 Unit 2 (VDT) - 91.0  
 Unit 2 (VRH) - 15.6  
 Unit 2 (ROW) - 9.3

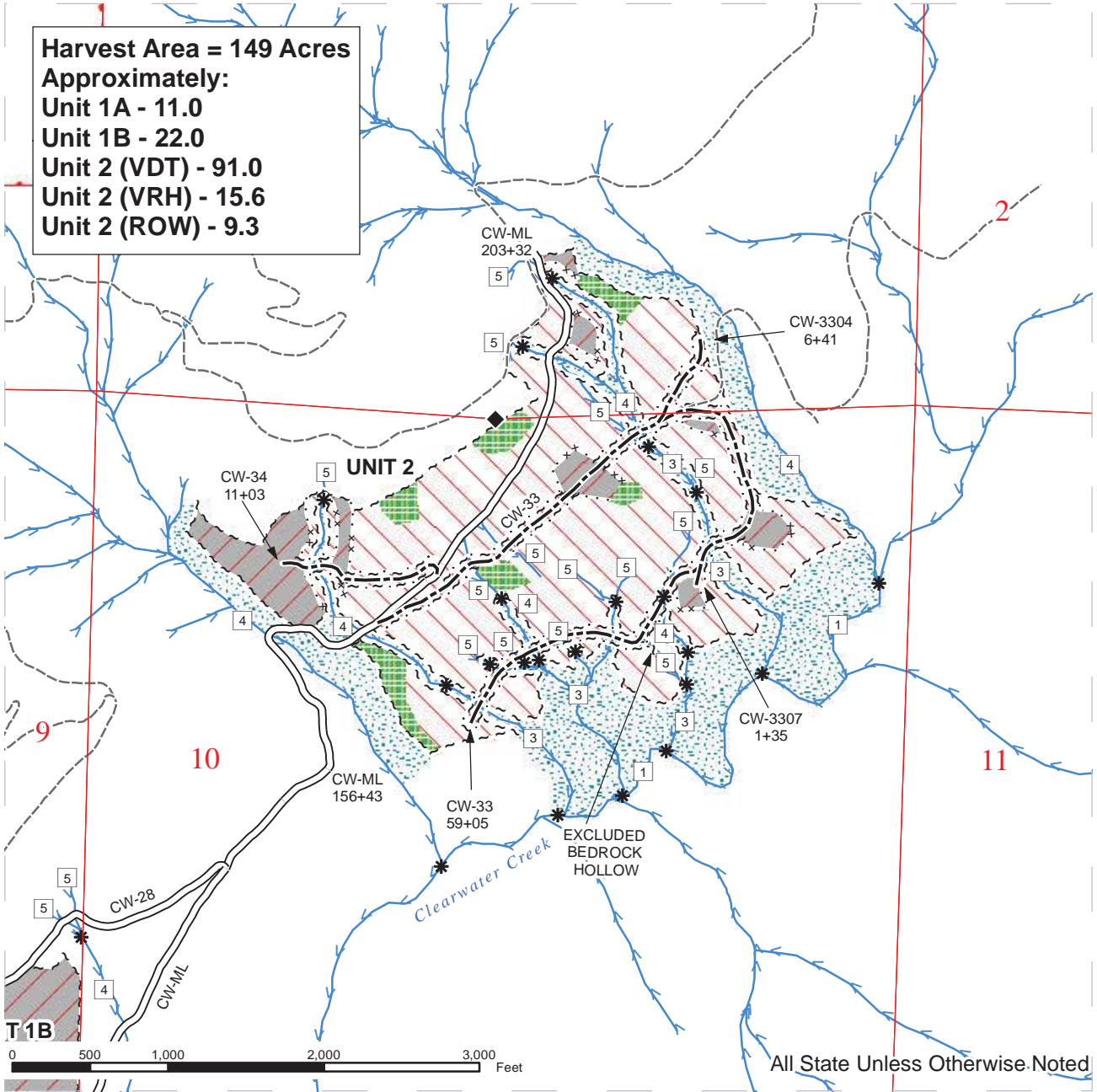
|                            |                       |                         |
|----------------------------|-----------------------|-------------------------|
| Variable Retention Harvest | Sale Boundary Tags    | Existing Roads          |
| Variable Density Thinning  | Special Mgt Area Tags | Optional Construction   |
| Leave Tree Area (Skip)     | Right Of Way Tags     | Required Reconstruction |
| Riparian Mgt Zone          | Stream Type           | Abandoned Roads         |
| DNR Managed Lands          | Stream Type Break     | Streams                 |
| Monumented Corners         |                       |                         |



# TIMBER SALE MAP

SALE NAME: WEST CLEARWATER VDT  
 AGREEMENT#: 90436  
 TOWNSHIP(S): T38R06E  
 TRUST(S): Common School and Indemnity(3)

REGION: Northwest Region  
 COUNTY(S): WHATCOM  
 ELEVATION RGE: 2029-3068



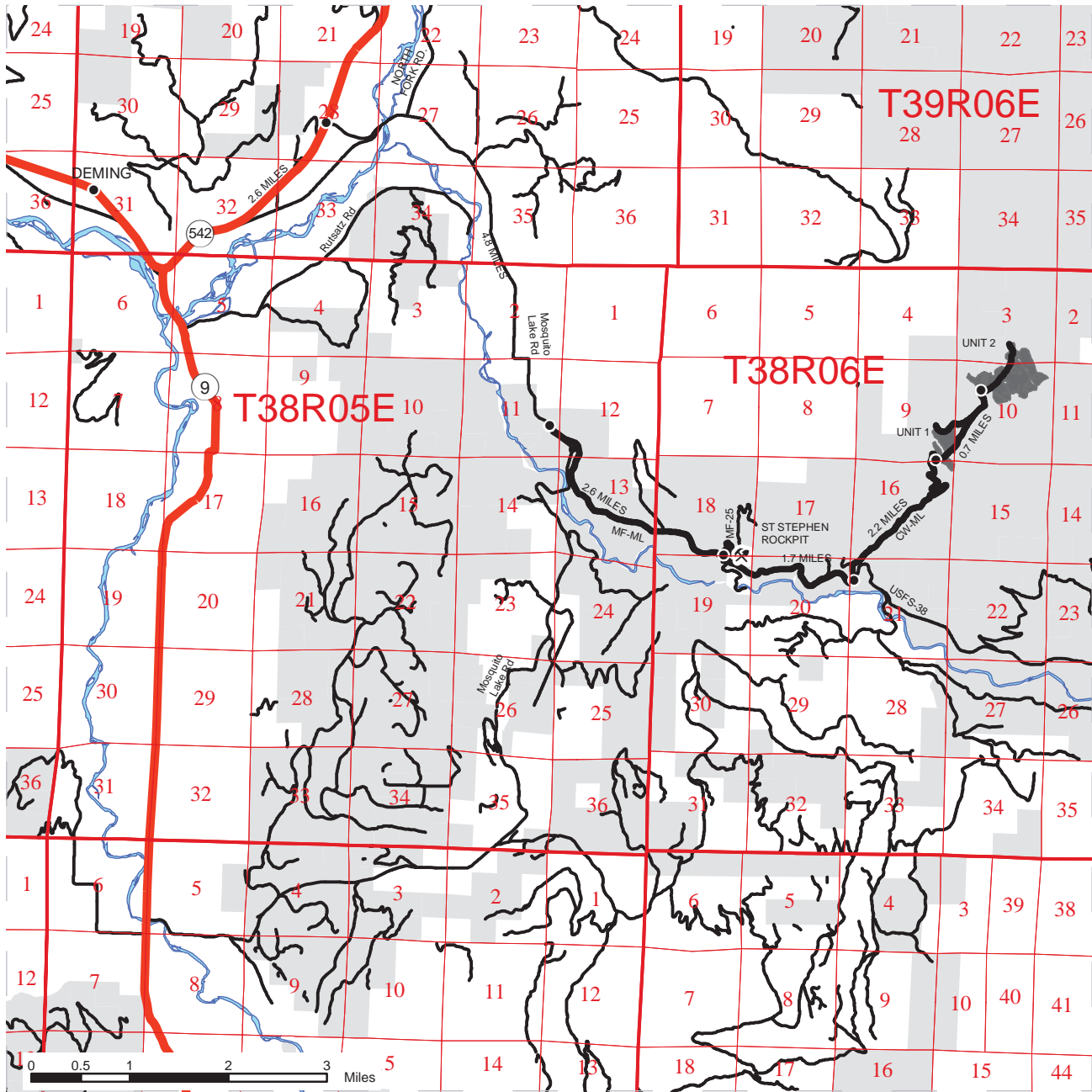
|  |                            |  |                       |  |                         |
|--|----------------------------|--|-----------------------|--|-------------------------|
|  | Variable Retention Harvest |  | Sale Boundary Tags    |  | Existing Roads          |
|  | Variable Density Thinning  |  | Special Mgt Area Tags |  | Optional Construction   |
|  | Leave Tree Area (Skip)     |  | Right Of Way Tags     |  | Required Reconstruction |
|  | Riparian Mgt Zone          |  | Stream Type           |  | Abandoned Roads         |
|  | DNR Managed Lands          |  | Stream Type Break     |  | Streams                 |
|  | Monumented Corners         |  |                       |  |                         |



# DRIVING MAP

SALE NAME: WEST CLEARWATER VDT  
 AGREEMENT#: 90436  
 TOWNSHIP(S): T38R06E  
 TRUST(S): Common School and Indemnity(3)

REGION: Northwest Region  
 COUNTY(S): WHATCOM  
 ELEVATION RGE: 2029-3068



- Timber Sale Unit
- Highways
- Haul Route
- Other Roads
- Rock Pit
- Distance Indicator

**DRIVING DIRECTIONS:**

Travel 3.6 miles east, on Highway 542 from Deming to Mosquito Lake road. Turn right and head south on Mosquito lake road for 4.8 miles to the MF-ML and turn left. Travel east 2.6 miles on MF-ML to the MF-25.

**Rock Pit:** Turn left onto the MF-25 and travel 0.25 miles to rock pit.

**Unit 1:** From junction of MF-ML and MF-25 continue for 1.7 miles on the MF-ML. Turn left onto the CW-ML and continue for 2.2 miles to unit 1.

**Unit 2:** From unit 1 continue on the CW-ML for 0.7 miles to unit 2.





**TIMBER NOTICE OF SALE**

**SALE NAME:** BLUEBELL

**AGREEMENT NO:** 30-091811

**AUCTION:** March 25, 2015 starting at 10:00 a.m., **COUNTY:** Whatcom  
Northwest Region Office, Sedro Woolley, WA

**SALE LOCATION:** Sale located approximately 8 miles northeast of Acme, WA.

**PRODUCTS SOLD  
AND SALE AREA:**

All timber bounded by white timber sale boundary tags, adjacent young stands, and the existing AD-ML and JJ-ML roads, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #1 (comprised of 1A, 1B, 1C and 1D).

All timber bounded by white timber sale boundary tags, property line and the JJ-ML Road, except trees marked with blue paint on the bole and root collar, forest products tagged out by yellow leave tree area tags, and cedar snags, preexisting dead and down cedar trees and cedar logs in Unit #2 (comprised of 2A and 2B).

All timber bounded by orange right of way tags, except that title to the timber within the right of way tags is not conveyed to the Purchaser unless the road segment is actually constructed.

The above described products on part(s) of Sections 24 and 25 all in Township 38 North, Range 5 East, Sections 19 and 30 all in Township 38 North, Range 6 East, W.M., containing 77 acres, more or less.

**CERTIFICATION:** This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

**ESTIMATED SALE VOLUMES AND QUALITY:**

| Species     | Avg DBH | Ring Count | Total MBF | MBF by Grade |    |    |     |    |     |     |     |    |
|-------------|---------|------------|-----------|--------------|----|----|-----|----|-----|-----|-----|----|
|             |         |            |           | 1P           | 2P | 3P | SM  | 1S | 2S  | 3S  | 4S  | UT |
| Douglas fir | 22      | 8          | 1,457     |              |    | 58 | 140 |    | 914 | 292 | 52  | 1  |
| Red alder   | 15      |            | 408       |              |    |    |     |    | 67  | 115 | 190 | 36 |
| Red cedar   | 14      |            | 401       |              |    |    |     |    |     | 274 | 127 |    |
| Maple       | 19      |            | 144       |              |    |    |     |    | 62  | 27  | 30  | 25 |
| Hemlock     | 11      |            | 103       |              |    |    |     |    | 16  | 48  | 35  | 4  |
| Cottonwood  | 26      |            | 80        |              |    |    |     |    | 70  |     | 9   | 1  |
| Sale Total  |         |            | 2,593     |              |    |    |     |    |     |     |     |    |

**MINIMUM BID:** \$1,041,000.00 **BID METHOD:** Sealed Bids

**PERFORMANCE SECURITY:** \$100,000.00 **SALE TYPE:** Lump Sum

**EXPIRATION DATE:** September 30, 2016 **ALLOCATION:** Export Restricted

**BID DEPOSIT:** \$104,100.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

**HARVEST METHOD:** Cable; cable or shovel on sustained slopes 35% or less, in addition a tracked skidder may be used in Unit 1C (one skid road). Falling and Yarding will not be permitted from

## TIMBER NOTICE OF SALE

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November 1 to March 31 unless authorized in writing by the Contract Administrator (THIS PERTAINS TO GROUND-BASED EQUIPMENT ONLY) to reduce soil damage and erosion.

### **ROADS:**

11.80 stations of required construction. 1.83 stations of optional construction. 1.83 stations of road to be abandoned if built.

Rock may be obtained from the following source(s) on State land at no charge to the Purchaser: McCoy Pit Rock Pit at station 22+50 of MM-2217 Road. Silver Star Pit at Station 114+00 of JJ-ML Road.

Development of existing rock sources will involve drilling, shooting, and processing rock to generate shot rock, riprap, and 3-inch-minus ballast.

An estimated total quantity of rock needed for this proposal: 36 cubic yards of riprap and 1,475 cubic yards of ballast rock.

Road construction, road abandonment, and the hauling of rock will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation. The hauling of forest products will not be permitted from November 1 to March 31 unless authorized in writing by the Contract Administrator to reduce soil damage and siltation.

### **ACREAGE DETERMINATION**

#### **CRUISE METHOD:**

Acres determined by GPS traverse. 84.5 acres gross. 5.2 acres deducted for green tree retention clumps and 2.4 acres deducted for existing road area. 76.9 acres net. Cruised using variable plot method. Expansion factor used is 54.4 in Units 1A, 2A, 2B and Right of Way; and 62.5 in Units 1B, 1C and 1D. Sighting height is 4.5 feet. A total of 87 plots were taken.

Shapefiles of units are available upon request.

### **FEES:**

\$46,025.75 is due on day of sale. \$9.00 per MBF is due upon removal. These are in addition to the bid price.

### **SPECIAL REMARKS:**

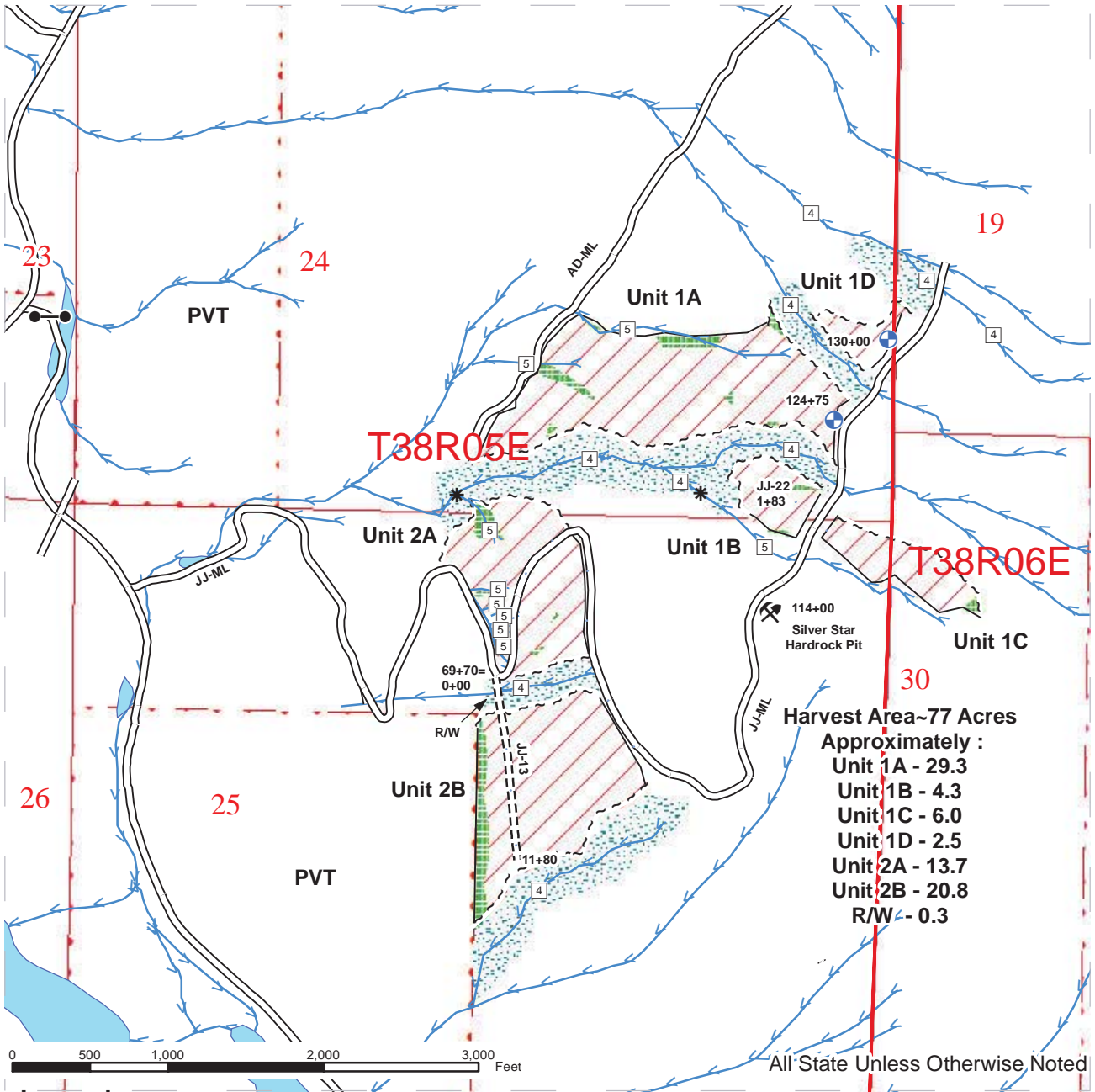
1. HQ DF noted within the sale area. See cruise for further details (approximately 69 mbf of the above listed DF 2S is deemed high quality by the Department).



# TIMBER SALE MAP

**SALE NAME:** BLUEBELL  
**AGREEMENT#:** 91811  
**TOWNSHIP(S):** T38R05E, T38R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Northwest Region  
**COUNTY(S):** WHATCOM  
**ELEVATION RGE:** 938-1905



**Harvest Area ~77 Acres**  
**Approximately :**  
 Unit 1A - 29.3  
 Unit 1B - 4.3  
 Unit 1C - 6.0  
 Unit 1D - 2.5  
 Unit 2A - 13.7  
 Unit 2B - 20.8  
 R/W - 0.3

## Legend

|                              |                         |                    |               |
|------------------------------|-------------------------|--------------------|---------------|
| Public Land Survey Townships | Existing Road           | Existing Rock Pit  | Stream Break  |
| Sale Area                    | Required Construction   | Gate               | Stream Type 4 |
| Leave Tree Area              | Sale Boundary Tags      | Landing - Proposed | Stream Type 5 |
| Riparian Mgt Zone            | Sale Boundary (No Tags) |                    |               |
| Open Water                   | Streams                 |                    |               |
| Public Land Survey Sections  |                         |                    |               |
| DNR Managed Lands            |                         |                    |               |

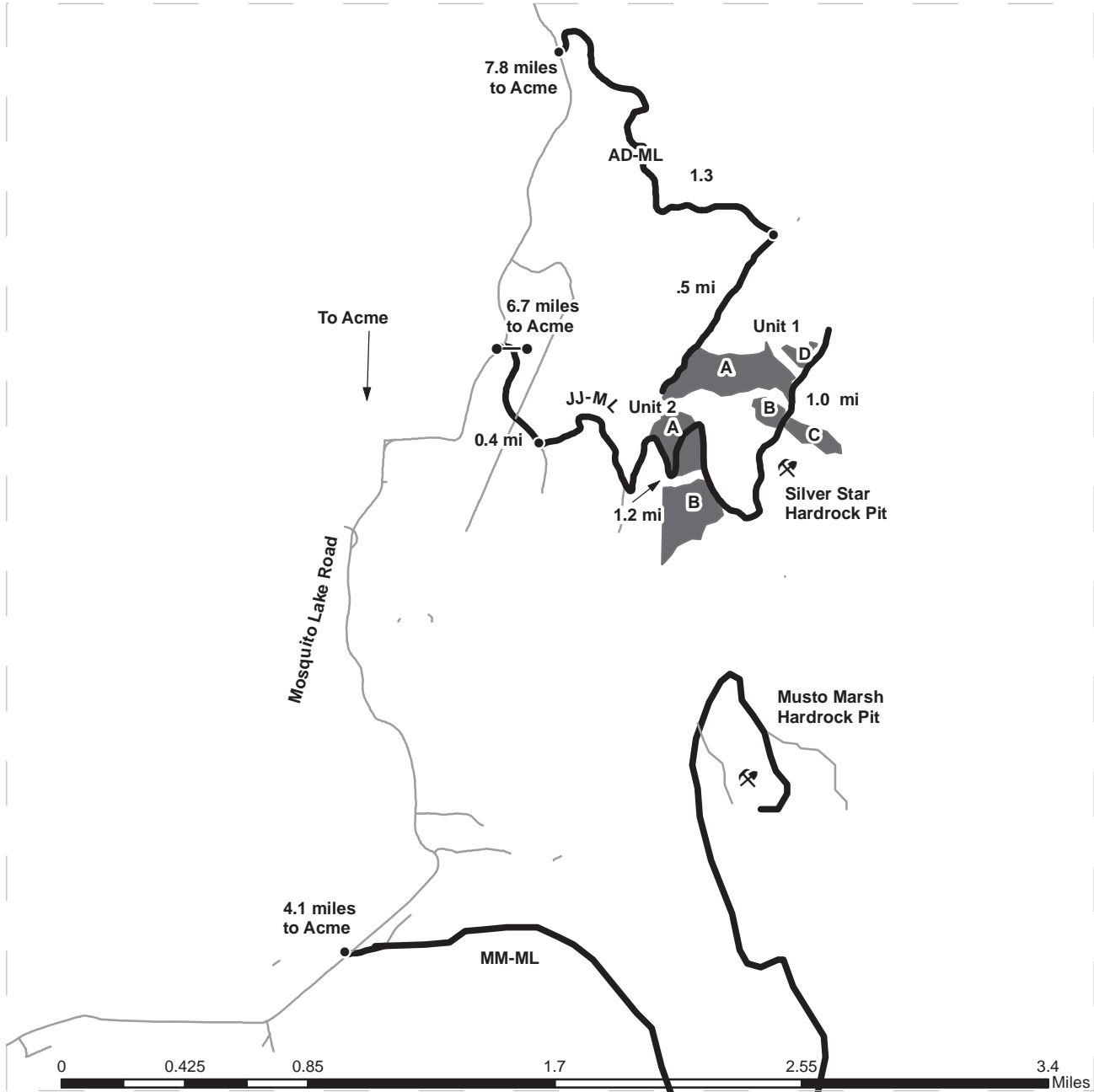




# DRIVING MAP

**SALE NAME:** BLUEBELL  
**AGREEMENT#:** 91811  
**TOWNSHIP(S):** T38R05E, T38R06E  
**TRUST(S):** State Forest Transfer(1), Common School and Indemnity(3)

**REGION:** Northwest Region  
**COUNTY(S):** WHATCOM  
**ELEVATION RGE:** 938-1905



- Timber Sale Unit
- Highways
- Other Route
- Haul Route
- Milepost Markers
- Distance Indicator
- Gate

**DRIVING DIRECTIONS:**

**Unit 1:**  
 From Highway 9, at Acme, take Mosquito Lake road for 6.7 miles and turn right. Continue through gate (F1-3 key) to the JJ-ML. Travel approximately 0.4 miles then turn left and stay on the JJ-ML. Travel 2.2 miles to Units 1B and 1C. Continue straight for 0.1 miles to unit 1A, and travel another 0.2 miles to Unit 1D. To access the lower half of unit 1A, take Mosquito lake road from highway 9 for 7.8 miles to the AD-ML. Take a right on the AD-ML for about 1.3 miles; turn right to stay on AD-ML. Continue on the AD-ML for approximately 0.5 miles to unit 1A.

**Units 2A and 2B:**  
 From Highway 9 take Mosquito Lake road for 6.7 miles and then turn right onto the JJ-ML. Continue through the gate (F1-3 key) and travel approximately .43 miles then turn left to stay on the JJ-ML. Continue on JJ-ML for approximately 1.2 miles to Units 2A and 2B.

