

State of Washington
Department of Natural Resources
Doug Sutherland, Commissioner of Public Lands

Pacific Cascade Region
INVITATION TO BID/CONTRACT NUMBER 1185

Contract Digest For TREE PLANTING:

Notice to All Bidders
Instructions to Bidders
Division I - Bidding Requirements
Division II - General Provisions
Division III - Specifications
Division IV - Compliance Inspection
Tree Planting Spreadsheets
Unit Maps
Bid Form
Offer and Contract Award

NOTICE TO ALL BIDDERS

Bids will be received at the Department's Pacific Cascade Region office. Mailing address:

Department of Natural Resources
Pacific Cascade Region, Attn: Chris Rasor
P. O. Box 280
Castle Rock, WA 98611

Bid Opening: Bids will be accepted at the Department's Pacific Cascade Region office until 2:00 P.M. Pacific Standard Time on Tuesday, December 18, 2007 at which time and place all bids will be opened and read aloud.

You are invited to bid this work and are advised to examine the areas prior to bidding. Questions pertaining to unit(s) can be answered by contacting Department Representative, Chris Rasor, at 360-274-2058.

Note the following specifications of this contract:

- Term of contract:

<u>Item A</u>	January 2, 2007 - March 31, 2007
<u>Item B</u>	January 2, 2007 - March 31, 2007
<u>Item C</u>	January 2, 2007 - March 31, 2007
- Planting stock will be available beginning January 2, 2007 from the following cooler facilities:

Item A	Chehalis Cooler I-5 exit 72 (0.5 miles from exit)
Items B, C	Castle Rock Cooler I-5 exit 48 or 49 (DNR region office)
- Planting specifications for all Western redcedar seedlings must comply with General Specifications clause 3-20.
- Item C units 2, 3, 4 and remote portions of unit 1 may require helicopter transport of seedlings which will be at the discretion of the bidder to determine and pay for as part of the bid price for item C.
- Planting must begin upon award of contract and comply with Clause 2-81.
- Contractor or contractor's representative must be present at bid opening. Bids will not be accepted without a qualified representative present.
- A BID DEPOSIT IS REQUIRED WITH THIS BID OPENING (SEE CLAUSE 1-23).
- Provide proof of **2008** Farm Labor Contractor's License or letter of exemption from the Department of Labor & Industries at bid opening.
- Preview Maps detailing District access roads & units may be picked up at the Pacific Cascade Region Office in Castle Rock. These large area maps will replace the former vicinity maps for individual units in Silviculture Contracts submitted by Pacific Cascade Region.

INSTRUCTIONS TO ALL BIDDERS

Deliver all requested forms, bid deposits, performance/damage deposits, certification of insurance, Contractor's Declaration of Industrial Insurance, and equipment and/or operator certifications when required to:

Pacific Cascade Region Manager
Department of Natural Resources
Attn: Chris Rasor
P. O. Box 280 (Mailing Address)
601 Bond Road (Physical Street Address)
Castle Rock, WA 98611

The bid and bid deposit must be received at the Department's Pacific Cascade Region office prior to bid opening.

The sealed bid envelope should be prepared in the following manner:

Addressed to: Pacific Cascade Region Manager
Department of Natural Resources
Attn: Chris Rasor
P. O. Box 280 (Mailing Address)
601 Bond Road (Physical Street Address)
Castle Rock, WA 98611

Upper left corner: Bidder's Address

Lower left corner: Tree Planting - "Sealed Bid"
Invitation to Bid/Contract No. 1185

Questions concerning this Invitation to Bid/Contract should be referred to Department Representative Chris Rasor, of the Pacific Cascade Region office by calling 360-274-2058.

SECTION II, Division I - Bidding Requirements

1-10 Preparation of Bids

- 1-11 Bidders are expected to examine this entire Invitation to Bid/Contract and are urged to inspect the work unit(s) prior to submission of any bid. No consideration shall be given any claim of bidding without comprehension of conditions.

1-20 Submission of Bids

- 1-21 Your bid response to this Invitation to Bid/Contract is an offer to contract with the Department of Natural Resources. A bid response becomes a contract when officially accepted and awarded by the department as evidenced by return of a countersigned SECTION IV, "Offer and Contract Award".
- 1-22 Bids shall be submitted using the Bid Form and the Offer and Contract Award form from SECTION IV of this document. Telegraphic, mailgram, Telex and facsimile bids will not be considered. The following shall be delivered to the Department's Region office in an envelope which shall be marked "Sealed Bid" and addressed to the Department's Regional Manager as specified in Instructions To All Bidders: The Bid Form and the Offer and Contract Award form properly completed and signed, and a bid deposit as specified in Clause 1-23. Failure to comply with the above requirements or the requirements of Clause 1-23 prior to bid opening shall be cause to reject the Contractor's bid(s).
- 1-23 A bid deposit (guarantee) in the amount of FIVE HUNDRED DOLLARS (\$500) is required. This deposit is for the express purpose of assuring the Department that the Contractor will honor said bid and accept award of any and all items on which the Contractor may be the lowest responsible bidder. In the event the Contractor fails to honor said bid by rejecting award of any item, the Contractor will automatically forfeit the bid deposit. The bid deposit must be a certified check and must be delivered to the Department's Region office as per Clause 1-22. The bid deposit of a successful bidder will be released when the required performance/damage deposit (Clause 1-31) has been submitted and approved.

1-30 Performance/Damage Deposit

- 1-31 Contractor agrees to furnish a performance/damage deposit in the amount of ten percent (10%) of the Contractor's total award. The deposit shall be submitted as per clause 1-46, and shall be in the form of cash, certified check, savings account assignment, or irrevocable letter of credit acceptable to the Department. This deposit is to guarantee performance of all provisions of this contract and payment of any damages caused by operations under this contract or resulting from Contractor's noncompliance with any contract provisions or the law.
- 1-32 Bid deposits may be converted to apply to part or all of the required performance/damage deposits after successfully securing a bid.

1-40 Award of Contract

- 1-41 Oral explanation and interpretations prior to bid opening shall not be binding.
- 1-42 Award of contract shall be on the basis of an "Item" or an individual "Unit" as specified in the Bid Form. An "Item" shall be a specific group of individual "Units". "Items" or "Units" to be awarded are identified in the Bid Form. Individual "Units" are described in the Unit Description. The Department reserves the right to amend this Invitation to Bid/Contract by giving written notification to all bidders seven (7) days or more prior to bid opening.
- 1-43 Award of contract shall be to the lowest responsible bidder as determined by the Department of Natural Resources (Clause 1-44). To be considered, bids must conform to the bidding requirements herein, except that the Department may waive informalities and minor irregularities in bids received. The Department further reserves the right to reject any or all bids received.
- 1-44 Award is conditioned in addition to price, on the Contractor showing upon request by the Department of Natural Resources the capability of fulfilling the contract terms herein by reason of past performance, ability to complete work in the specified time, previous and existing compliance with laws relating to this contract, and the character, reputation, judgment, and experience of the bidder, and other information which may be secured and have a bearing upon award. Failure to demonstrate this capability or to conform to the contract terms herein, will nullify award on all or certain items tentatively awarded. In the event of such failure, the Department shall be the sole judge of the items to be selected for award and/or nullification of award.
- 1-45 An Award Instructions letter and a copy of the executed contract will be mailed to the successful bidder. The contract award is conditioned on the following: Within ten (10) days after the Contractor receives their Award Instructions letter the Department must receive from the Contractor the performance/damage deposit, certification of insurance, and the Contractor's Declaration of Industrial Insurance Status as specified in Clauses 1-31, 2-24 and 2-29 respectively, and furthermore the Contractor shall submit the aforementioned through the Department's Region office specified in Instructions To All Bidders (page 2). It shall be the Department's prerogative to extend the time allowed for receipt of the above items if such an extension is in the best interest of the Department. Failure by the Contractor to submit the above items to the Department within the time specified or within an extension of that time as provided for shall be cause for the Department to consider the contract award rejected (Clause 1-23).

SECTION II, Division II - General Requirements

2-10 Definitions

- 2-11 Department: The Department of Natural Resources of the State of Washington, action by or through an authorized employee or agent.
- 2-12 Contractor: The person, partnership, or corporation to whom the contract is awarded.

2-20 Responsibilities and Legal Relations

- 2-21 The Contractor shall abide by and comply with all the laws and regulations of the United States, State of Washington and counties wherein the work is executed insofar as they affect his/her contract. The Contractor will make any payments, contributions, remittances and all reports and statements required under said laws.
- 2-22 The Contractor shall, without additional expense to the Department, obtain all required licenses and permits necessary for executing provisions of his/her contract with the Department.
- 2-23 The Contractor shall save harmless the State of Washington, the Department, their officers, agents and employees from any and all claims for damages, injuries to persons or property that may occur as a result of the performance of the Contractor, agents or employees in connection with this contract.
- 2-24 The Contractor shall have and maintain for the life of the contract, liability insurance covering each motor vehicle operating hereunder with limits not less than \$1,000,000 of personal injury and property damage. The Department shall be supplied with a certificate of insurance coverage, as per Clause 1-45.
- 2-25 The Contractor shall abide by and comply with all laws and regulations of the United States, State of Washington and counties wherein the work is executed insofar as they affect the safety, health and welfare of any and all employees.
- 2-26 In the event of legal conflict, the Contractor agrees to submit to the jurisdiction of the courts of the State of Washington and further agrees the venue shall be laid in Thurston County.
- 2-27 The State is not liable for delay or nonshipment of supplies and materials or for delay or nonperformance of its obligations if occasioned by war, civil commotions, strikes, lockouts or labor disturbances.
- 2-28 For all active work sites the Contractor shall provide a contract representative who shall be on the site and responsible for directing the contracted activities of that site. The Contractor shall designate the contract representative in writing at the time of the prework conference (Clause 2-71).
- 2-29 The Contractor shall complete and submit to the Department the Contractor's Declaration of Industrial Insurance Status form; the form shall be submitted as per Clause 1-45. A Contractor's Declaration of Industrial Insurance Status form will accompany the Award Instructions letter.

2-30 Subcontracting

- 2-31 The Contractor shall not, without written approval from the Department enter into any subcontract or assignment of contract relating to the performance of this contract.
- 2-32 All laws and regulations applicable to the contract also apply to all subcontracts.

2-40 Determination of Payment

- 2-41 The boundaries as designated under Clause Section 2-100, and defined in detail on the Unit Description attached, provide the basis for determining acreage completed. Failure to complete work to boundaries established by the Department renders work unsatisfactorily completed. The Contractor is to take the initiative in determining whether boundaries are sufficiently marked. No consideration will be given for work that extends beyond unit boundaries. If work extends beyond unit boundaries, charges may be levied against the Contractor by the Department for damages suffered.
- 2-42 The total trees planted by the Contractor will be determined using acres completed (Clause 2-41) and the findings from the planting inspection plots (Division IV) as follows:
- 2-42.01 From planting inspection plot findings the Department will calculate the average number of trees planted per acre. The average number of trees planted per acre multiplied by the number of acres completed equals the total number of trees planted.
- 2-43 Contract compliance inspection of work performed and payment for work performed will be based on acreage completed (Clause 2-41).
- 2-44 The acceptability of planting work performed and the rate of pay for planting work performed will be based on the seedling planting performance rating resulting from the Department's inspection as described in Division IV - Compliance Inspection.
- 2-44.01 Satisfactory Planting Performance - The Contractor's performance of seedling planting will be considered satisfactory if the seedling planting performance rating for work performed is determined to be between 92% and 105%.
- 2-44.02 Rate of Pay - The Contractor's rate of pay for work performed will be at the Unit Bid Price when the Compliance Inspection indicates planting performance is satisfactory (Clause 2-44.01). The Contractor's rate of pay will not exceed the per acre or per thousand rate of the Unit Bid Price. The Contractor's performance of seedling planting will be considered unsatisfactory if the seedling planting performance rating for work performed is determined to be greater than 105% or less than 92%. The minimum damages that will be collected for unsatisfactory work for which seedling planting performance is rated at less than 92% are as follows: For work which has the seedling planting performance rated at less than 92% but equal to or greater than 59%, the Contractor's pay will be at a rate equal to the Unit Bid Price reduced by 3% for every one percentage point the seedling planting performance rating is below 92%. Work which has the seedling planting performance rated at 58% or less will not qualify for pay.

Payment Examples

1. Assumption: The Unit Bid Price is \$40 per acre and the seedling planting performance rating is 90% for work completed.

Conclusion: The seedling planting performance rating of 90% is two percentage points less than the 92% performance limit, a 3% reduction for each of the percentage points equals a total reduction in the Unit Bid Price of 6%. Therefore, 100% minus 6% equals a 94% rate of pay per acre which is: $94\% \times \$40/\text{acre} = \$37.60/\text{acre}$.

2. Assumption: The Unit Bid Price is \$78 per thousand and the seedling planting performance rating is 80% for work completed.

2-40 Determination of Payment (continued)

Conclusion: The seedling planting performance rating of 80% is 12 percentage points less than the 92% performance limit, a 3% reduction for each of the percentage points equals a total reduction in the Unit Bid Price of 36%. Therefore, 100% minus 36% equals a 64% rate of pay per acre which is: $64\% \times \$78/\text{thousand} = \$49.92/\text{thousand}$.

- 2-45 The Department may at its option subdivide and inspect units to determine the acceptability of work performed. Subdivisions for this purpose will be a minimum of ten (10) acres in size.
- 2-46 At the Department's option, the Contractor shall rework a unit or subdivision of a unit on which the Contractor's work performance is not rated satisfactory, and further, it shall be the Department's option to require the rework be completed prior to starting new work. Reworked areas will be reexamined for contract compliance, the resulting performance rating will supersede the previous performance rating for the area in question.
- 2-47 Payment shall be made as follows:
- 2-47.01 Payment may be made by the month, unit or by one total payment. Details of payment schedule will be determined in the prework conference (Clause 2-71). The Department will attempt to comply with the desires and needs of the Contractor but assumes no legal duty or obligation to adhere to the schedule of payment so arranged.
- 2-47.02 Partial payment may be made upon completion of part of a unit as determined by the Department. Request for partial payment is to be made by the Contractor utilizing the Contractor's Billing Invoice and Compliance Report provided by the Department. The Contractor or contract representative (Clause 2-28) shall sign the Contractor's Billing Invoice and Compliance Report after completion of each such "sub-unit" being submitted for payment. The Department Representative will then make payment recommendations for the invoice and forward the Contractor's Billing Invoice and Compliance Report to the Department's Region office for processing.
- 2-47.03 The Contractor or contract representative (Clause 2-28) and the Department representative shall sign the Contractor's Billing Invoice and Compliance Report form at the conclusion of work on each unit. Final payment will not be made to the Contractor unless the Contractor's Billing Invoice and Compliance Report form are signed by the Contractor or contract representative and the Department representative, and "final" payment is designated thereon.
- 2-47.04 If a unit's contract acreage is disputed the Contractor may upon completion of the unit request a verification traverse by the Department, the request must be in writing and signed by the Contractor. The Department will pay the Contractor based on acres determined from the verification traverse. If the verification traverse indicates the net acres specified in the Unit Description are correct within plus or minus five percent (5%) the Contractor shall pay the cost of the verification traverse at a rate of ten dollars (\$10.00) per one hundred (100) feet of traversed boundary.
- 2-47.05 Ten percent (10%) of all payments due Contractors who employ workers shall be retained for a period of approximately forty-five (45) days following final acceptance of the completed unit. Upon receipt of notice from the State Department of Revenue and the Department of Labor and Industries that the Contractor has met all financial obligations related to this unit, the ten percent (10%) retainage will be returned to the Contractor. A copy of the Department of Labor and Industries requirements will be forwarded to the successful bidder along with the Award Instructions letter.

2-50 Nondiscrimination

- 2-51 Except to the extent permitted by a bona fide occupational qualification the Contractor agrees as follows:
- 2-51.01 The Contractor shall not discriminate against any employee or applicant for employment because of race, creed, national origin, sex or age. The Contractor will insure that applicants are employed and that employees are treated during employment without regard to race, creed, color, national origin, sex or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training.
 - 2-51.02 The Contractor shall, in all solicitations for employees or job orders for employees placed with any employment agency, union or other firm or agency, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, national origin, sex or age. The words "equal opportunity employer" in advertisements shall constitute compliance with this section.
 - 2-51.03 The Contractor shall send to each labor union or representative of workers with which the Contractor has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union, or worker's representative of the Contractor's commitments under this section.
 - 2-51.04 The Contractor shall include the provisions of the foregoing paragraphs: 2-51.01, 2-51.02 and 2-51.03 in every subcontract or purchase order for the goods or services which are the subject matter of this contract.
- 2-52 In the event of noncompliance by the Contractor with any of the nondiscrimination provisions of the contract, the Department shall have the right, as its option, to cancel the contract in whole or in part. The Contractor shall be paid only for that work performed prior to cancellation of the contract and in accordance with provisions of the contract (Clause Section 2-40). In the event the Department suffers damages resulting from such noncompliance the Contractor shall be liable.

2-60 Contract Administration

- 2-61 The Department will select representative(s) to enforce compliance of the contract as required in all specifications and to make recommendations for payment.

2-70 Contract Work Procedure

- 2-71 The Contractor shall attend a prework conference prior to commencing contract work (see Clauses 2-28, 2-47.01, 2-72, 3-34.01 and 3-44). The time and place of the prework conference shall be determined by the Department, the Contractor will be notified of the time and place when the contract is awarded. When considered practical by the Department the time and/or place of the prework conference may be altered if requested in writing by the Contractor.
- 2-72 A work schedule is required from the contractor. The work schedule shall be set at the prework conference (Clause 2-71) and must be acceptable to the Department. To be acceptable the work schedule must be practicable: The work schedule must identify the latest date by which the Contractor agrees to commence contract work on each unit awarded. The work schedule must allow a reasonable time period for the work to be completed according to contract requirements herein, and further, if more than one unit has been awarded the work schedule must indicate the sequence in which the units will be worked by the Contractor. If for any reason during the contract period the Contractor's work schedule is no longer viable, the Contractor must submit a revised work schedule for Department approval.

2-70 Contract Work Procedure (continued)

- 2-73 The Contractor shall obtain written permission to begin work on a unit. Such permission shall be applied for through the Department's Region office listed in the Notice To All Bidders section of the contract. Permission requests will require a minimum of two working days to process. The Department at its option may require person-to-person discussions between the Contractor and selected Department representatives prior to granting the required written permission. In the event the Contractor stops work for a period of one (1) week or more, or if the initial start-up is delayed by one (1) week or more the Contractor must reapply for permission to begin work.
- 2-74 Work shall only proceed on regular Monday through Friday work days. If allowed, work on weekends or designated State holidays will require written permission from the Department.

2-80 Work Progress and Contract Performance

- 2-81 The Contractor shall begin work as per the work schedule (Clause 2-72) and in accordance with contract requirements herein (see Clauses 1-45, 2-71, 2-73 and 2-74). The Contractor shall work diligently and complete the unit(s) within the contract period specified in the Unit Description Spreadsheet. As units are sequenced in the work schedule, work started on one unit must be completed prior to beginning work on the next.
- 2-82 The Department reserves the right to modify or cancel this contract in part or whole without cause. The Contractor shall be paid only for that work performed prior to cancellation of the contract and in accordance with provisions of the contract (Clause Section 2-40).
- 2-83 Nonperformance or unsatisfactory performance or willful violation of contract requirements by the Contractor shall constitute breach of contract and the Department may at its sole option extend the contract and collect liquidated damages or terminate the contract with forfeiture of the performance/damage deposit or declare breach of contract and make claim for actual damages suffered by the Department.

2-90 Fire Responsibility

- 2-91 The Contractor and the Contractor's employees shall familiarize themselves with the Washington State Forest Fire Protection Requirements and adhere to them at all times. The operation will be subject to inspection by State personnel for adherence to regulations and presence of fire tools. All spark emitting engines will be equipped with approved spark arresters.
- 2-92 The Contractor shall not operate faulty power equipment.
- 2-93 The Contractor shall not build any open fires at anytime of the year on the contract area without first obtaining written permission from the Department.

2-100 Boundaries

- 2-101 Boundaries are illustrated on the Unit Maps and will be further clarified by the compliance forester on-site.
- 2-102 Net acreage as indicated in the Unit Description Spreadsheet was measured on the horizontal plane. Large openings, roads, and buffer zones have been deducted from the gross acreage and are designated on the unit map.

2-110 Merchantable Products

- 2-111 This contract, unless specifically amended, in no way permits the contractor to remove merchantable or potentially merchantable products from the operating area for the purpose of sale or use. Contractors wanting to remove Christmas trees, boughs, brush pickings, decorative shrubs, or trees, firewood, poles, posts and other merchantable or potentially merchantable material from Department managed land must enter into a separate agreement with the Department.

2-120 Litter and Refuse

- 2-121 Litter and/or refuse brought into operating areas or campsites and rest areas used by the contractor or employees, shall be removed from the premises and disposed of in garbage disposal areas meeting all State, county, and local requirements. Such litter will include refuse resulting from equipment maintenance, abandoned equipment and containers and other expended materials.

2-130 Camping

- 2-131 Use of State owned lands, landings, roads, and Department campgrounds by the Contractor or the Contractor's employees for the purpose of lodging, parking, or camping done in connection with operation is permitted only at the express approval of the Department and may be revised or revoked for cause at any time. Camping restrictions or requirements such as chemical toilets and garbage can, but not limited thereto, may be imposed at the option of the Department.

SECTION II, Division III - Specifications

3-10 Unit Description

- 3-11 The Unit Description Spreadsheet details the characteristics and specific work requirements for each unit.
- 3-12 If specific requirements of the Unit Description Spreadsheet conflict with the specifications in this division of the contract, the specific requirements of the Unit Description Spreadsheet will prevail.

3-20 General Specifications - Planting Operation

- 3-21 Protection - Within the limits of Technical Specifications - Planted Seedlings (Clause Section 3-30) trees shall be planted near stumps, logs, dead brush or other dead shade so as to provide protection from animal damage, drying winds and solar radiation. See special requirements for all western redcedar below:
 - 3-21.1 **All western redcedar seedlings will be planted in microsites inaccessible to deer and elk.** Heavy concentrations of slash, dead brush or other hiding places will constitute acceptable planting spots for western redcedar. All suitable microsites meeting the above requirements up to the desired number of cedar per acre shall be occupied before open ground is planted with western redcedar. Minimum spacing will be 6 feet between cedar seedlings, and 4 feet from other planted seedlings.
 - 3-21.2 Example of 300 DF/ac + 60 WRC/ac: Main crew plants 300 DF/ac at 12ft. X 12ft. spacing. 1-2 cedar planters move behind the main crew planting slashy, dead brush areas to hide cedar seedlings up to 60 WRC/ac following the main crew throughout the unit.
- 3-22 Planting Method - The "line" method of planting will be used by the main planting crews rather than having the crew randomly scattered on the unit, unless otherwise permitted by the Department representative. Each planter will only plant one (1) line at a time on each pass. As per "Seedlings Required Per Acre After Planting" each line will be at the "Approximate Spacing" given in Table A, Clause 4-32. Western redcedar planters will be exempt from this requirement.
 - 3-22.1 **All western cedar shall be planted behind the main crew by 1 or more planters planting only western redcedar in the microsites described above in 3-21.1.** These planters shall plant the desired number of cedar per acre disregarding even spacing to target the most inaccessible microsites. Minimum spacing shall be 4 feet from other planted species and 6 feet from other cedar seedlings.
- 3-23 Weather Conditions - Planting operations will be halted when in the Department's judgment weather conditions are injurious to the seedlings. Weather conditions during which the Department does not allow planting include, but are not limited to: an air temperature of less than 32 degrees F (32EF) or greater than 65 degrees F (65EF), a wind velocity greater than twenty miles (20) per hour, the soil is frozen more than one-half (1/2) inch deep, or snow cover is greater than two (2) inches.
- 3-24 Do not plant trees in driveable roadside ditches. Abandoned roads within planting units shall be planted unless otherwise specified.

3-30 Technical Specifications - Seedling Planting

3-31 Planting spots shall favor survival and growth of planted seedlings.

3-32 Spacing and number of seedlings planted shall be in accordance with the following:

3-32.01 Where planting spots are available and in accordance with all specifications of this section (3-30 Technical Specifications - Seedling Planting) seedlings shall be planted over all portions of the unit at an average spacing which will meet the Unit Description's specifications for seedlings required per acre after planting.

3-32.02 While maintaining the specified average spacing (Clause 3-32.01) the spacing of individual seedlings may vary within the limits of Clause 3-32.03 where needed to locate a plantable spot.

3-32.03 Seedlings shall not be planted closer than the following minimum seedling distances specified here from: another contractor planted seedling, an acceptable natural seedling, or an acceptable previously planted seedling. Acceptable natural or previously planted seedlings are defined as any conifer seedling which is six (6) inches tall or taller and is well formed and vigorous.

3-32.04 Minimum seedling distance table:

<u>Primary Species</u>	<u>Total Trees per acre</u>	<u>Minimum Distance</u>
DF	150	15 feet
DF	200	15 feet
DF	250	14 feet
DF	300	9 feet
DF	350-360	8 feet
DF	400+	7 feet
RA	540	7 feet
WRC	All	4 feet from other planted species, 6 ft from other planted WRC

3-33 Preparation of the planting spot is required. The preparation shall include, where appropriate, the clearing and/or scalping to mineral soil of an area which has a minimum diameter of one (1) foot and is located as near the center of the planting spot as is practicable.

3-33.01 Clearing shall mean the removal of duff up to eight (8) inches deep, loosely compacted slash up to two (2) feet deep, and other accumulations such as rock, rotten wood, snow and ice which can be removed by kicking, dragging or the use of a planting tool.

3-30 Technical Specifications - Seedling Planting (continued)

- 3-33.02 Scalping shall mean the removal of sod and that vegetation which is less than two (2) feet tall and has a base diameter of one-fourth (1/4) inch or less.
- 3-34 Planting hole location and preparation shall be as follows:
- 3-34.01 The planting hole shall be located in mineral soil and as near the center of the planting spot as is practicable. The planting hole shall be vertical, broken out on three sides and shall be wide and deep enough to fully accommodate the roots of the trees being planted. This method of preparing the planting hole will be, if requested, explained at the prework conference.
- 3-34.02 The planting hole for bare root stock shall be a minimum of ten (10) inches deep.
- 3-35 Tree Placement in Planting Hole - All seedlings, regardless of planting method, shall be suspended near the center of the planting hole with the roots in a near natural arrangement and to a depth that after filling, packing and leveling, the soil comes to a point midway between the top lateral roots and the lower needles or branches. The roots shall not be doubled up, twisted, tangled or bunched.
- 3-36 Moist mineral soil shall be filled in and firmly packed around roots. Soil packing shall be such that the seedling shall not pull loose by a firm tug on the main stem.
- 3-37 The planted seedling shall be left with the main stem and roots vertical and free to grow.
- 3-38 The stems and roots of planted seedlings shall not be damaged due to soil firming, seedling positioning or other planting activities.

3-40 General Specifications - Contractor

- 3-41 Workers, Supervision and Equipment - The Contractor shall provide all workers, adequate crew supervision and serviceable equipment to satisfactorily accomplish planting of the areas described on the Unit Description. Adequate crew supervision shall mean at least one qualified English speaking nonplanting foreperson per 10 person crew unless otherwise allowed by the Department representative. A qualified nonplanting foreperson shall mean one who has one season (at least three (3) months) of forest tree planting experience. Documentation of a nonplanting foreperson's experience shall be provided to the Department upon request. A nonplanting foreperson may also act as a contract representative, see Clause 2-28.
- 3-42 Auger planting of bareroot seedlings shall be accomplished with an auger bit which is a minimum of six (6) inches in diameter.
- 3-43 OMIT CLAUSE
- 3-44 Transportation of Planting Stock - The Contractor will be responsible for transportation of planting stock from the Department's Region office to the planting units unless other arrangements are detailed on the Unit Description spreadsheet or at the prework conference (Clause 2-71). **Transport of seedlings must be in a covered vehicle to and from cold storage. TARP or other removable cover DOES NOT qualify as acceptable.**

3-40 General Specifications - Contractor (continued)

- 3-45 Care of Planting Stock - From time of delivery to the Contractor, trees shall be kept free from damage at all times, including but not limited to drying, heating, smothering, freezing, drowning, or mechanical injury. Upon taking delivery of the seedlings the Contractor will promptly deliver them to a designated storage site at the planting unit or location approved by the Department representative where they will be stored until planting. **Transport of seedlings must be in a covered vehicle per Clause 3-44.** The following specifications for seedling care during storage and handling shall be met.
- 3-45.01 Containers of trees shall be carefully handled at all times. No throwing, dropping, crushing, etc. will be permitted. A charge will result for damaged seedlings (See Clause 3-61).
 - 3-45.02 Containers of trees shall be shaded from the sun and shielded from drying winds at all times.
 - 3-45.03 Containers of trees shall be stored in a manner that will provide air circulation around each container; except when containers are stored in snow banks, snow shall be placed and maintained around each container.
 - 3-45.04 Trees will be distributed to the planters in such a manner that no more than one container of trees will be open at the assembly point at one time.
 - 3-45.05 Tree containers from which trees have been used or to which trees have been returned shall be immediately resealed with tape and/or staples. The Contractor shall supply tape and/or stapler and have them available on the work site at all times.
 - 3-45.06 Trees carried by planter shall be in a planting bag or tray and arranged for easy removal of one tree at a time.
 - 3-45.07 Trees shall be protected from desiccation at all times. At the Department's request tree roots shall be moistened with water and/or planting bags lined with damp packing material.
 - 3-45.08 At the planting spot, roots shall not be unnecessarily exposed to drying conditions. A tree shall not be removed from the planting bag or tray before a planting hole has been prepared.
 - 3-45.09 Trees shall be planted as received without further pruning or culling. If these operations appear necessary or if mold, dry roots, freezing, dying or evidence of other injury is observed, the condition shall be promptly reported to the Department representative.
 - 3-45.10 At the end of the work day, trees which have been distributed but not planted shall be returned to original containers for storage.
- 3-46 The Contractor shall be responsible for giving the Department one (1) full week advanced notice of the Contractor's intention of starting a unit; the Contractor then shall make all reasonable effort to begin work on said date. Less notice will not allow sufficient time for the Department to supply trees.

3-50 General Specifications - Department

- 3-51 A Department representative will acquaint the Contractor with each unit to be planted and will conduct periodic field inspections as detailed in Division IV - Compliance Inspection. Compliance inspection plot work may be done concurrently with planting work but will be completed no later than three (3) working days after work completion on the unit.

3-50 General Specifications - Department (continued)

3-52 The Department will mark access to the unit(s) within reasonable limits.

3-53 The Department will supply all planting stock. Under extreme conditions the Department's supply of planting stock may be temporarily interrupted causing a possible delay to the Contractor.

3-60 Other Specifications

3-61 Dropped, Wasted or Damaged Seedlings - The Department will charge and deduct from the Contractor's payment 50¢ per tree for those trees found dropped or otherwise wasted by the Contractor during the planting operation. The trees found in the inspection plots may be considered representative of the area. Dumping, discarding, mishandling or otherwise destroying seedlings shall be considered a willful violation of the contract and shall be subject to breach of contract provisions.

3-62 Substitution of Type of Planting Stock - The Department may have to substitute planting stock, if so, this shall constitute a modification of contract and adjustment of per acre or per thousand unit bid price will be made based on the age class of the planting stock involved as per the following schedule:

<u>Age Class as Per Bid Invitation</u>	<u>New Age Class</u>	<u>Percent Adjustment</u>
2-0 or 1-1	Plug-1 or 3-0	+5%
2-0 or 1-1	*Plug	-14%
2-0 or 1-1	2-1	+13%
*Plug	2-0 or 1-1	+16%
*Plug	Plug-1 or 3-0	+22%
*Plug	2-1	+31%
2-1	2-0 or 1-1	-12%
2-1	Plug-1 or 3-0	-7%
2-1	*Plug	-24%
Plug-1 or 3-0	2-0	-5%
Plug-1 or 3-0	2-1	+8%
Plug-1 or 3-0	*Plug	-18%

*Containerized 2 through 4 cubic inches.

In the event that more than one age class of stock is involved for a planting unit, adjustment in unit bid price will be based on a proration of the acreage by the percentage of each age class of planting stock. In such cases, an adjusted unit bid price per acre will result for the entire unit.

SECTION II, Division IV - Compliance Inspection

4-10 Inspection Plots

4-11 The Department will use inspection plots to determine the Contractor's seedling planting performance rating (Clause Section 4-40). Inspection plots for this purpose shall be circular and have a one-fiftieth (1/50) acre area. The seedling planting performance rating will be determined from a minimum sample of ten (10) plots, or two (2) plots for every five (5) acres of unit or subunit (Clause 2-45), whichever is more. The inspection plots will be well distributed over the compliance unit.

SECTION II, Division IV - Compliance Inspection (Continued)

4-20 Inspection Plot Findings

- 4-21 Using criterion specified in the Unit Description and in the Technical Specifications - Seedling Planting (Clause Section 3-30) the Department representative will examine each inspection plot. The findings of the examination will be recorded as follows:
- 4-21.01 Plantable Spots - The number of plantable spots (Clause 4-32) available on the plot.
 - 4-21.02 Trees Planted - The total number of Contractor planted trees within the plot.
 - 4-21.03 Satisfactorily Planted - The total number of Contractor planted trees within the plot that meet all applicable specifications of the Unit Description, and Division III, Clause Section 3-30.

4-30 Technical Specifications - Planting Spots

- 4-31 Plantable Spot - A spot which will favor survival and growth of the species being planted and which has the potential of meeting all applicable specifications of both the Unit Description and the Technical Specifications - Seedling Planting (Clause Section 3-30).
- 4-32 Plantable Spots Per Inspection Plot - The number of plantable spots (Clause 4-31) per inspection plot shall be the maximum number which can be well distributed over the plot and which does not exceed a total number equal to one-fiftieth (1/50) of the number of seedlings required per acre after planting (Unit Description); see TABLE A.

4-30 Technical Specifications - Planting Spots

Seedlings Required Per Acre After Planting	TABLE A Maximum Planting Spots Allowed Per Inspection Plot	Approximate Spacing (feet)
100	2	20.9 X 20.9
150	3	17.0 X 17.0
200	4	14.8 X 14.8
250	5	13.2 X 13.2
300	6	12.0 X 12.0
350	7	11.2 X 11.2
400	8	10.4 X 10.4
450	9	9.8 X 9.8
500	10	9.3 X 9.3
550	11	8.9 X 8.9
600	12	8.5 X 8.5
650	13	8.2 X 8.2
700	14	7.9 X 7.9
750	15	7.6 X 7.6

4-40 Planting Performance Rating

- 4-41 Seedling planting shall be as per Technical Specifications - Seedling Planting (Clause Section 3-30) and the specifications of the Unit Description. The rating of seedling planting performance will be expressed as a percent and will be calculated as follows using the sum (or aggregate) of all inspection plots in a unit or subunit. The total of all recorded values for Satisfactorily Planted (Clause 4-21.03) divided by the total of all recorded values for Plantable Spots (Clause 4-21.01) times one hundred (100) equals the seedling planting performance rating percent.

$$\frac{\text{Total Satisfactorily Planted}}{\text{Total Plantable Spots}} \times 100 = \text{Planting Performance \%}$$

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SECTION IV
 BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1185

Award of contract shall be on an Item basis as per Clause 1-42.

At the following rates, the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number 1185.

Item No.	Item #	Item Name	Acres	Unit Bid Price (Per Acre)	Unit Total
A	A1	4th of July U1	42		
	A2	4th of July U2	16		
	A3	4th of July U4	7		
	A4	4th of July U5	2		
	A5	4th of July U6	2		
	A6	4th of July U7	1		
	A7	Cowboy Up U1	97		
	A8	Cowboy Up U2	48		
	A9	Cowboy Up U3	8		
	A10	Cowboy Up U4	12		
	A11	Watz Ina Name U2	77		
	A12	Pole-Tential	75		
	A13	Face Plant	95		
	A14	Hot Saw U-2	65		
	A15	Moonwalker U-2	24		
	A16	St Paul Grade U-1	45		
	A17	St Paul Grade U-2	44		
	A18	St Paul Grade U-3	65		
	A19	After Hours U-1	40		
	A20	After Hours U-2	8		
	A21	After Hours U-3	15		
	A22	Happy Camp HWD U1	16		
	A23	Happy Camp HWD U2	13		
	A24	King of Queens	69		
	A25	Penning To Go U1	16		
	A26	Penning To Go U2	6		
	A27	Lost N Found U1	80		
	A28	Lost N Found U2	87		
	A29	Joker Interplant	31		
ITEM A		TOTAL ACRES	1106	TOTAL BID	

ITEM B BID FORM CONTINUED ON NEXT PAGE

Please limit my total award to a maximum of approximately _____ acres.

The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a _____ owned business. (Enter either minority or woman, if appropriate.)

Firm Name _____ Address _____
 Signature _____ City and State _____
 Title _____ Phone _____

Note:

Detach and return one (1) copy of this form as per Clause 1-22.

¹An approximate number.

²Exclusive of Washington State Sales Tax.

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**SECTION IV
BID FORM**

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER **1185**

Award of contract shall be on an Item basis as per Clause 1-42.

At the following rates, the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number **1185**.

Item No.	Item #	Item Name	Acres	Unit Bid Price (Per Acre)	Unit Total
B	B1	North Johnson U1 IP	19		
	B2	North Johnson U2 IP	21		
	B3	2700 RD U2 Regen IP	67		
	B4	2700 RD U5 Regen IP	23		
	B5	Boulderalis U1 IP	18		
	B6	Boulderalis U2 IP	37		
	B7	Boulderalis U3 IP	10		
	B8	Loose Marbles IP	81		
	B9	Tower	68		
	B10	Big Rock U2 IP	15		
	B11	Deciduous Delight U2A	16		
	B12	Deciduous Delight U2	17		
	B13	Deciduous Delight U1	56		
	B14	Sea Biscuit	70		
	B15	Moon U1 IP	55		
	B16	Casey Outbreak U8	38		
	B17	Casey Outbreak U10	14		
	B18	Casey Outbreak U11	18		
	B19	Adverse U2	49		
	B20	Adverse U3	40		
	B21	Adverse U4	12		
	B22	Adverse U5	81		
	B23	VOID	0		
	B24	VOID	0		
	B25	Smooth U2 IP	5		
	B26	Smooth U1 IP	2		
	B27	Wannigan U1 IP	2		
	B28	Mill CR #3 IP	5		
	B29	Deraillleur IP	5		
	B30	Adverse U1 IP	34		
	B31	Long Jump U1 IP	40		
	B32	Upper Sibley VDT U11	6		
	B33	Upper Sibley VDT U12	26		
	B34	Rusty Nail U1	60		
	B35	Spinnaker Run	65		
ITEM B		TOTAL ACRES	1075	TOTAL BID	

ITEM C BID FORM CONTINUED ON NEXT PAGE

Please limit my total award to a maximum of approximately _____ acres. The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a _____ owned business. (Enter either minority or woman, if appropriate.)

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 Signature _____ City and State _____
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**SECTION IV
BID FORM**

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER **1185**

Award of contract shall be on an Item basis as per Clause 1-42.

At the following rates, the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number **1185**.

Item No.	Item #	Item Name	Acres	Unit Bid Price (Per Acre)	Unit Total
C	C1	Falk Ridge U1	118		
	C2	Falk Ridge U2	23		
	C3	Falk Ridge U3	38		
	C4	Falk Ridge U4	22		
	C5	Falk Ridge U5	4		
ITEM C		TOTAL ACRES	205	TOTAL BID	

Please limit my total award to a maximum of approximately _____ acres.

The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a owned business. (Enter either minority or woman, if appropriate.)

Firm Name _____ Address _____

Signature _____ City and State _____

Title _____ Phone _____

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SECTION IV
 BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER 1185

Award of contract shall be on an Item basis as per Clause 1-42.

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	A4	4th of July U5	2		
	A5	4th of July U6	2		
	A6	4th of July U7	1		
	A7	Cowboy Up U1	97		
	A8	Cowboy Up U2	48		
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	A10	Cowboy Up U4	12		
	A11	Watz Ina Name U2	77		
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	A29	Joker Interplant	31		
ITEM A		TOTAL ACRES	1106	TOTAL BID	

ITEM B BID FORM CONTINUED ON NEXT PAGE

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SECTION IV
BID FORM

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER **1185**

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	B5	Boulderalis U1 IP	18		
	B6	Boulderalis U2 IP	37		
	B7	Boulderalis U3 IP	10		
	B8	Loose Marbles IP	81		
	B9	Tower	68		
	B10	Big Rock U2 IP	15		
	B11	Deciduous Delight U2A	16		
	B12	Deciduous Delight U2	17		
	B13	Deciduous DelightU1	56		
	B14	Sea Biscuit	70		
	B15	Moon U1 IP	55		
	B16	Casey Outbreak U8	38		
	B17	Casey Outbreak U10	14		
	B18	Casey Outbreak U11	18		
	B19	Adverse U2	49		
	B20	Adverse U3	40		
	B21	Adverse U4	12		
	B22	Adverse U5	81		
	B23	VOID	0		
	B24	VOID	0		
	B25	Smooth U2 IP	5		
	B26	Smooth U1 IP	2		
	B27	Wannigan U1 IP	2		
	B28	Mill CR #3 IP	5		
	B29	Deraillleur IP	5		
	B30	Adverse U1 IP	34		
	B31	Long Jump U1 IP	40		
	B32	Upper Sibley VDT U11	6		
	B33	Upper Sibley VDT U12	26		
	B34	Rusty Nail U1	60		
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ITEM B		TOTAL ACRES	1075	TOTAL BID	

ITEM C BID FORM CONTINUED ON NEXT PAGE

Please limit my total award to a maximum of approximately _____ acres. The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a _____ owned business. (Enter either minority or woman, if appropriate.)

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 Signature _____ City and State _____
 Title _____ Phone _____

Note:

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¹An approximate number.

²Exclusive of Washington State Sales Tax.

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**SECTION IV
BID FORM**

TREE PLANTING

INVITATION TO BID/CONTRACT NUMBER **1185**

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	C3	Falk Ridge U3	38		
	C4	Falk Ridge U4	22		
	C5	Falk Ridge U5	4		
ITEM C		TOTAL ACRES	205	TOTAL BID	

Please limit my total award to a maximum of approximately _____ acres.

The business named hereon is certified by the Office of Minority and Women's Business Enterprises and is bidding as a owned business. (Enter either minority or woman, if appropriate.)

Firm Name _____ Address _____

Signature _____ City and State _____

Title _____ Phone _____

Note:

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¹An approximate number.

²Exclusive of Washington State Sales Tax.

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**SECTION IV
OFFER and CONTRACT AWARD**

OFFER (For Bidder Use Only)

On condition of a contract award within sixty (60) days of bid opening and for the bid price the undersigned hereby offers and agrees to furnish materials, equipment, supplies, supervision, and services in compliance with all terms, conditions and specifications of Invitation to Bid/Contract Number 1185. Submittal of this document with authorized signature constitutes complete understanding of all terms and conditions. And further, submittal of this document constitutes acceptance of and agreement to comply with all terms and condition of the contract if awarded, and verifies that all goods and services will be available throughout the contract period.

(Company Name)

(Address)

(City) (State) (Zip)

(UBI No.)

(L & I Industrial Insurance Account No.)

(Farm Labor Contractor License No.)

(Federal I.D. No. or Social Security No.)

By: _____

(Signature) (Date)

(Typed or Printed Name)

(Title)

(phone no.)

CONTRACT AWARD (For Dept. of Nat. Resources Use Only)

Contract Number 1185 is hereby awarded and executed between _____ and the State of Washington, Department of Natural Resources, to be effective _____, 20____. This award is for Tree Planting Number(s) _____.

State of Washington,
Department of Natural Resources

By: _____

(Signature) (Date)

ERIC SCHROFF
Pacific Cascade Region Manager

NOTE: Detach and return this form per Clause 1-22.

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**CONTRACTOR'S DECLARATION of
INDUSTRIAL INSURANCE STATUS**

INVITATION TO BID NUMBER 1185

The undersigned represents that they operate as ___ an individual, as ___ a partnership, or as ___ a corporation incorporated in the State of _____. The undersigned further certifies that they ___ will, ___ will not, be assisted by other individuals in the performance of this contract.

For the purpose of Industrial Insurance premiums payable to the Department of Labor and Industries, every individual in a partnership or joint venture must sign this bid sheet. Individuals not signing the bid sheet but assisting with the contract work will be considered workers for the purpose of Industrial Insurance except at the express approval of the Department of Labor and Industries.

Firm Name _____	Labor & Industries Account # _____
Signature _____	Washington Business License # _____
Title _____	Additional Signatures _____
Address _____	_____
City and State _____	_____
Business Phone _____	_____
Home Phone _____	_____

To whom it may concern:

This is to advise persons engaged in contracting forest activities of their liabilities under the mandatory provisions of the Industrial Insurance Act, Title 51 RCW.

The law provides benefits for a worker, injured in the course of his employment, or his family or dependents in case of death of the worker.

Worker is defined in the law as every person employed by an employer or every person working under an independent contract, the essence of which is that person's personal labor.

As one who contracts to perform forest activities you may require the assistance of other individuals to complete these contracts. If such is the case you are required to establish an industrial insurance account with the Department of Labor and Industries and pay the prescribed premium on behalf of your workers.

In the event you obtain the assistance of another person or persons to perform work in connection with your contract, regardless of the circumstances, you should contact the Department of Labor and Industries at one of its statewide service locations or its Olympia headquarters in the General Administration Building. You will then be provided with the necessary information regarding opening an account, premium rates, and reporting requirements.

The law also provides that any agency or firm that lets a contract is liable for payment of industrial insurance premiums should the contractor fail to do so. The agency or firm may also withhold money due the contractor to insure payment of premium. Consequently, failure to comply with the above requirements could delay payment of retained funds.

Note:

Return one (1) copy of this form as per Clause 1-45.

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UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

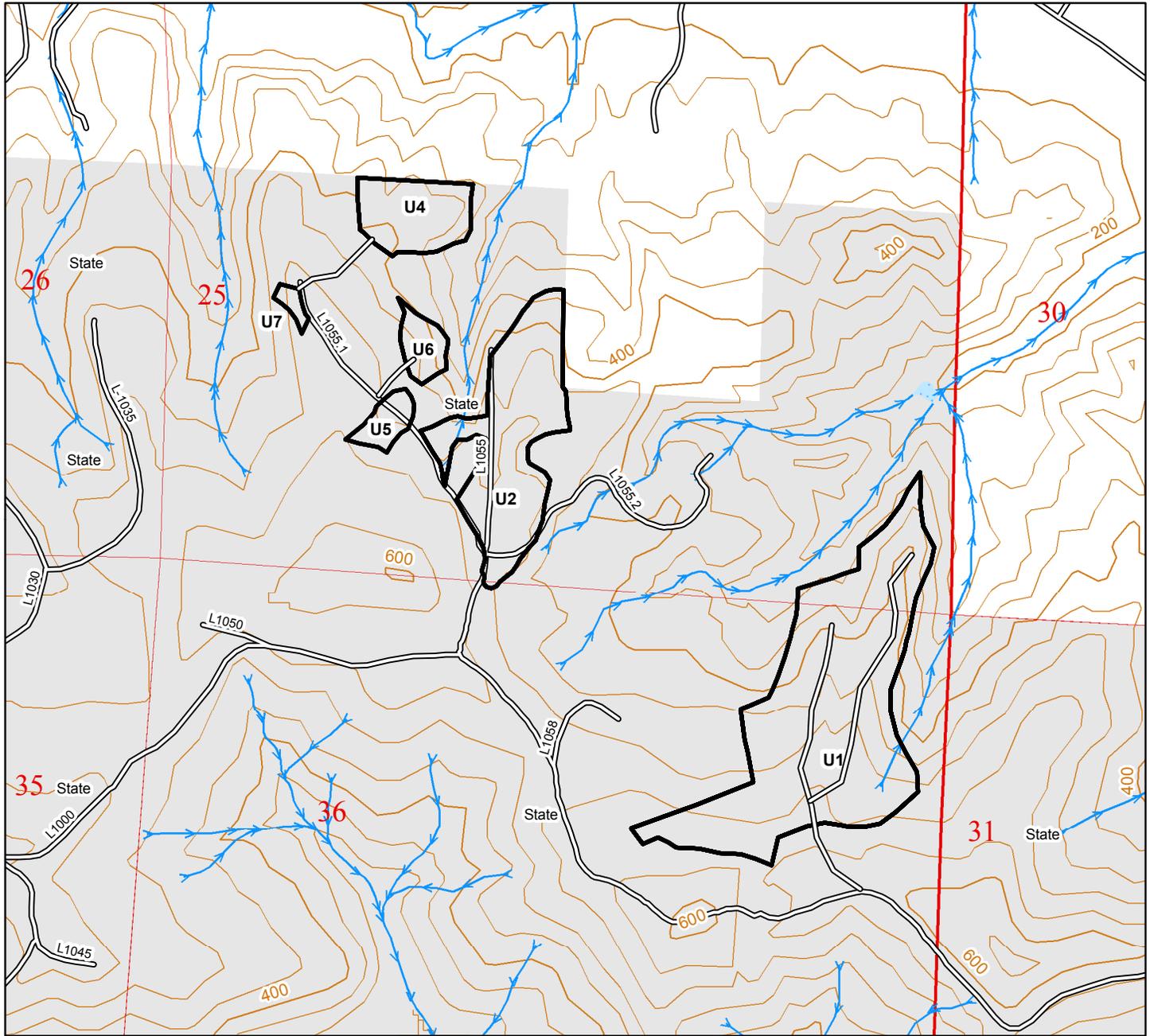
Lincoln Unit

Lewis County

Sections 25&36, Township 15 North, Range 05 West, W.M.

Unit Name: 4th of July U1,U2,U4,U5,U6,U7

Item No. A1, A2, A3, A4, A5, A6



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

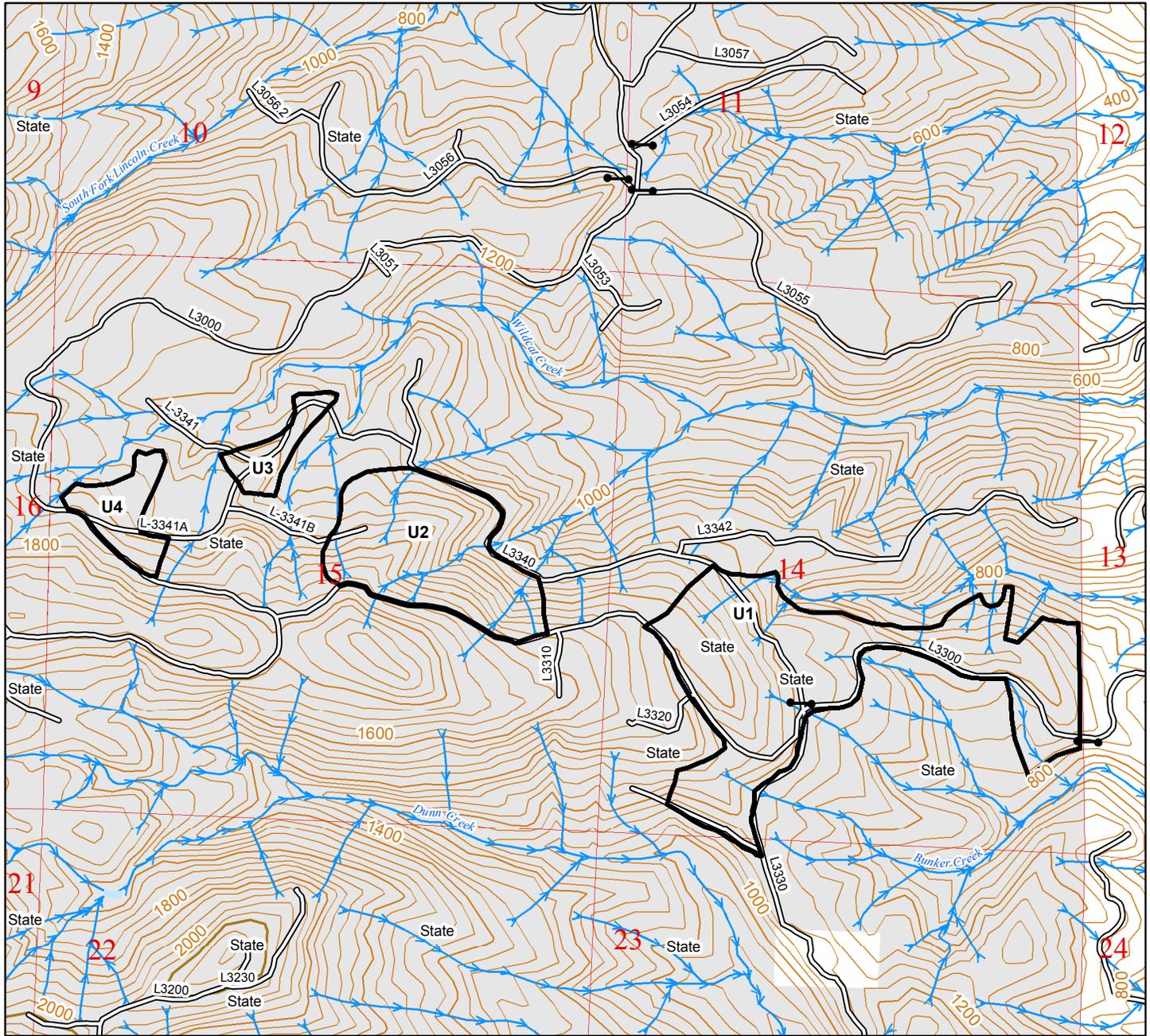
Lincoln Unit

Lewis County

Sections 14,15&23, Township 14 North, Range 05 West, W.M.

Unit Name: Cowboy Up U1, U2, U3, U4

Item No. A7, A8, A9, A10



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:17,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

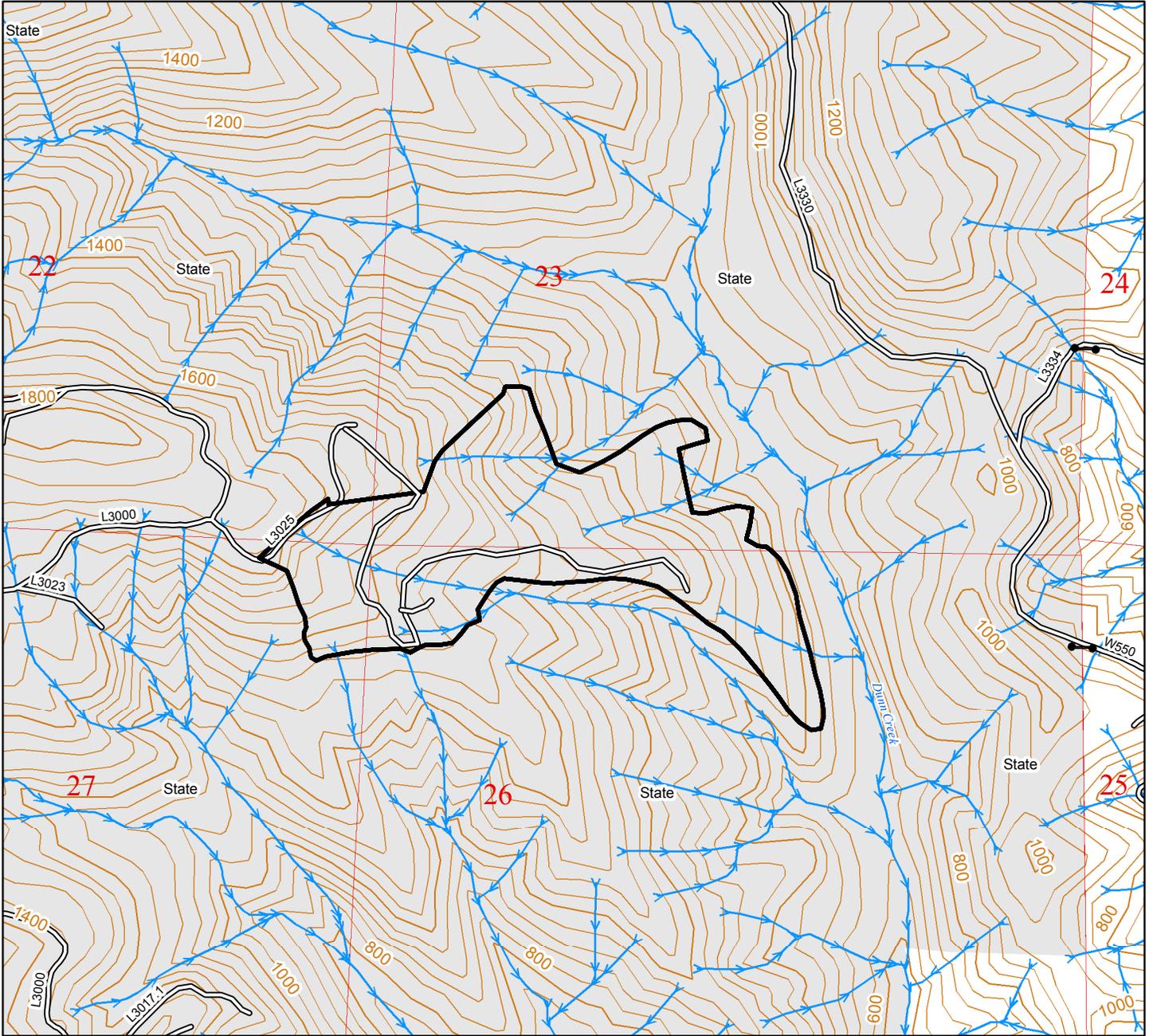
Lincoln Unit

Lewis County

Sections 22,23,26&27, Township 14 North, Range 05 West, W.M.

Unit Name: Watz Ina Name U2

Item No. A11



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

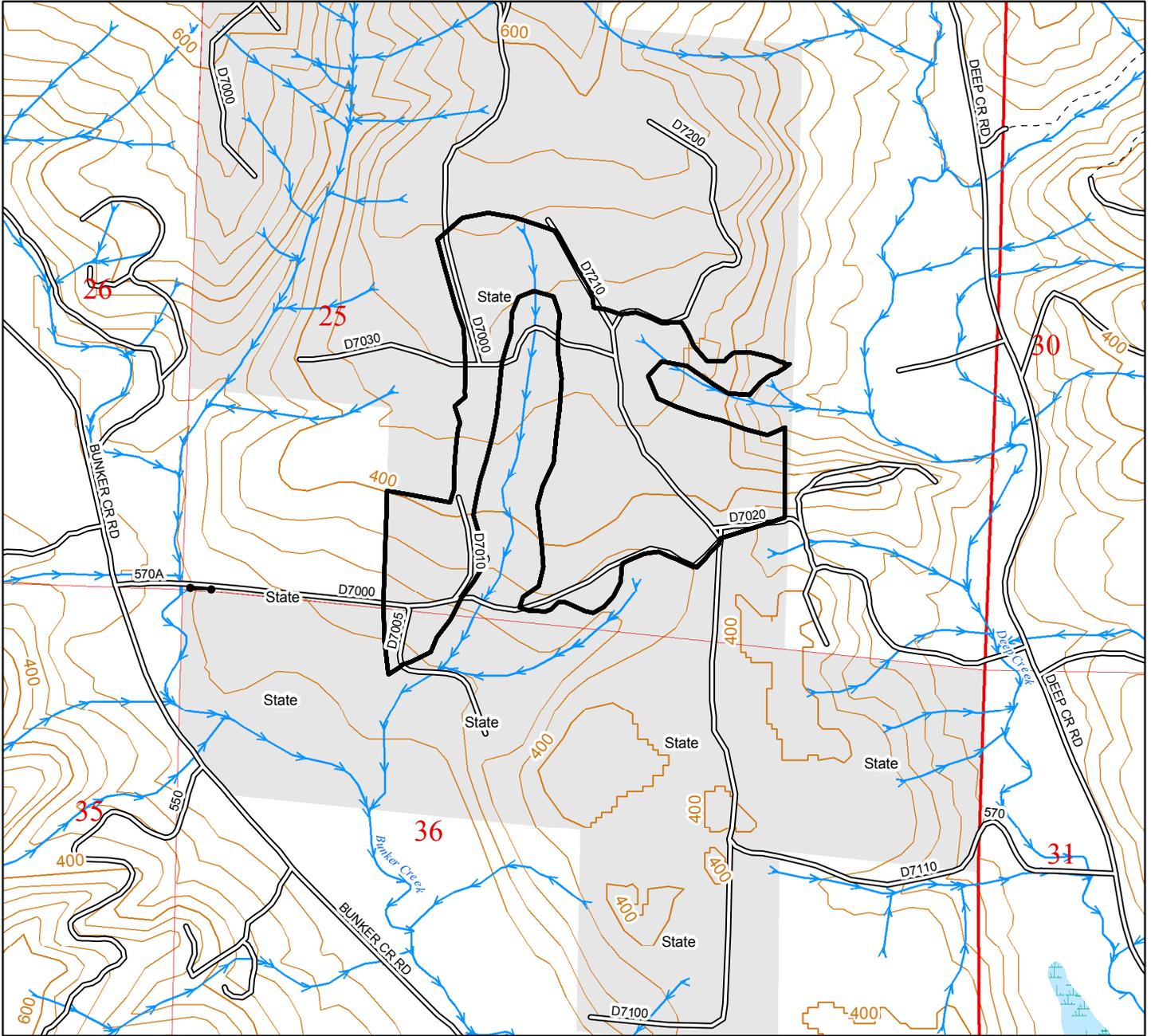
Lincoln Unit

Lewis County

Sections 25&36, Township 14 North, Range 04 West, W.M.

Unit Name: Pole-Tential

Item No. A12



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

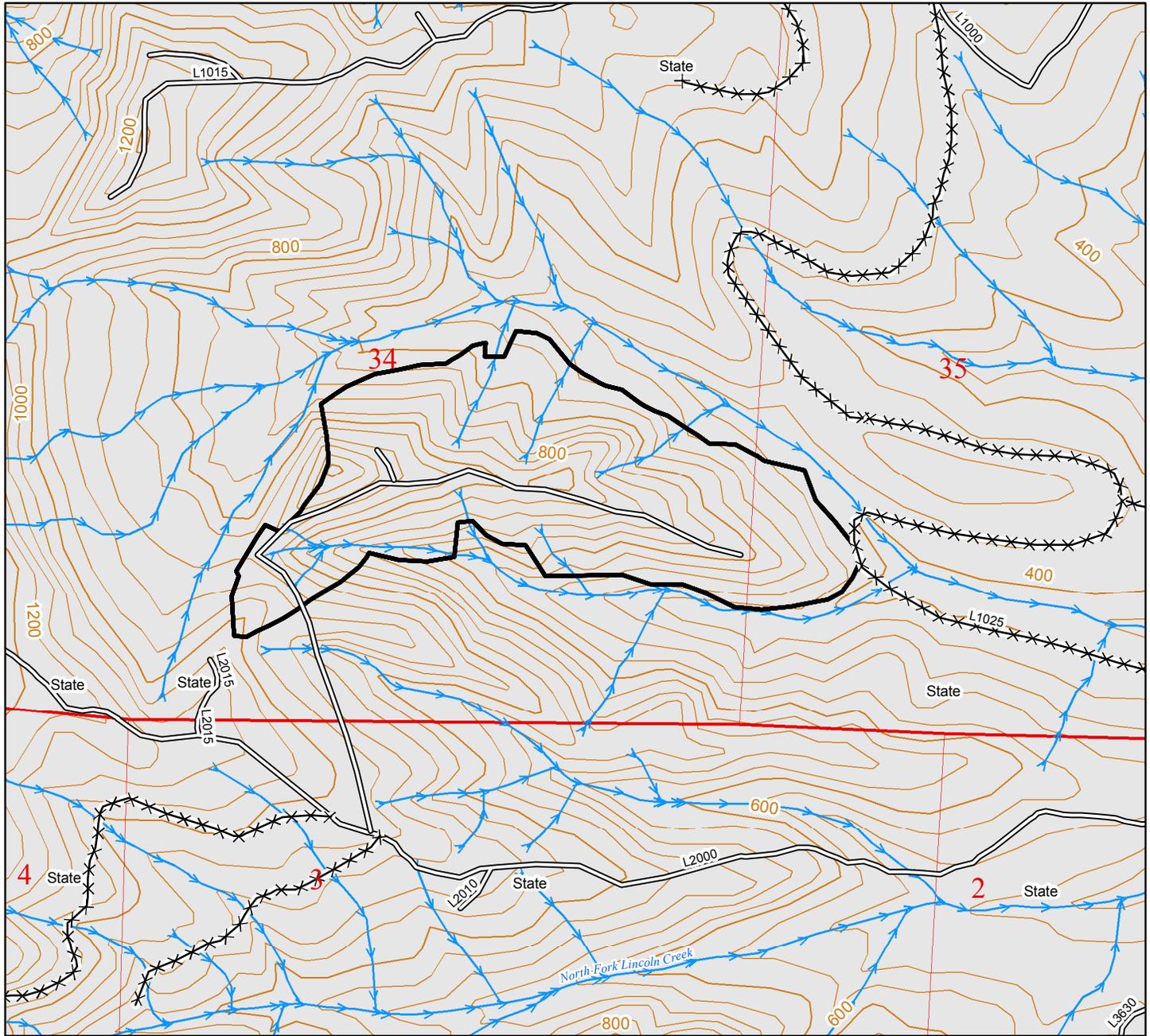
Lincoln Unit

Lewis County

Sections 34&35, Township 15 North, Range 05 West, W.M.

Unit Name: Face Plant

Item No. A13



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

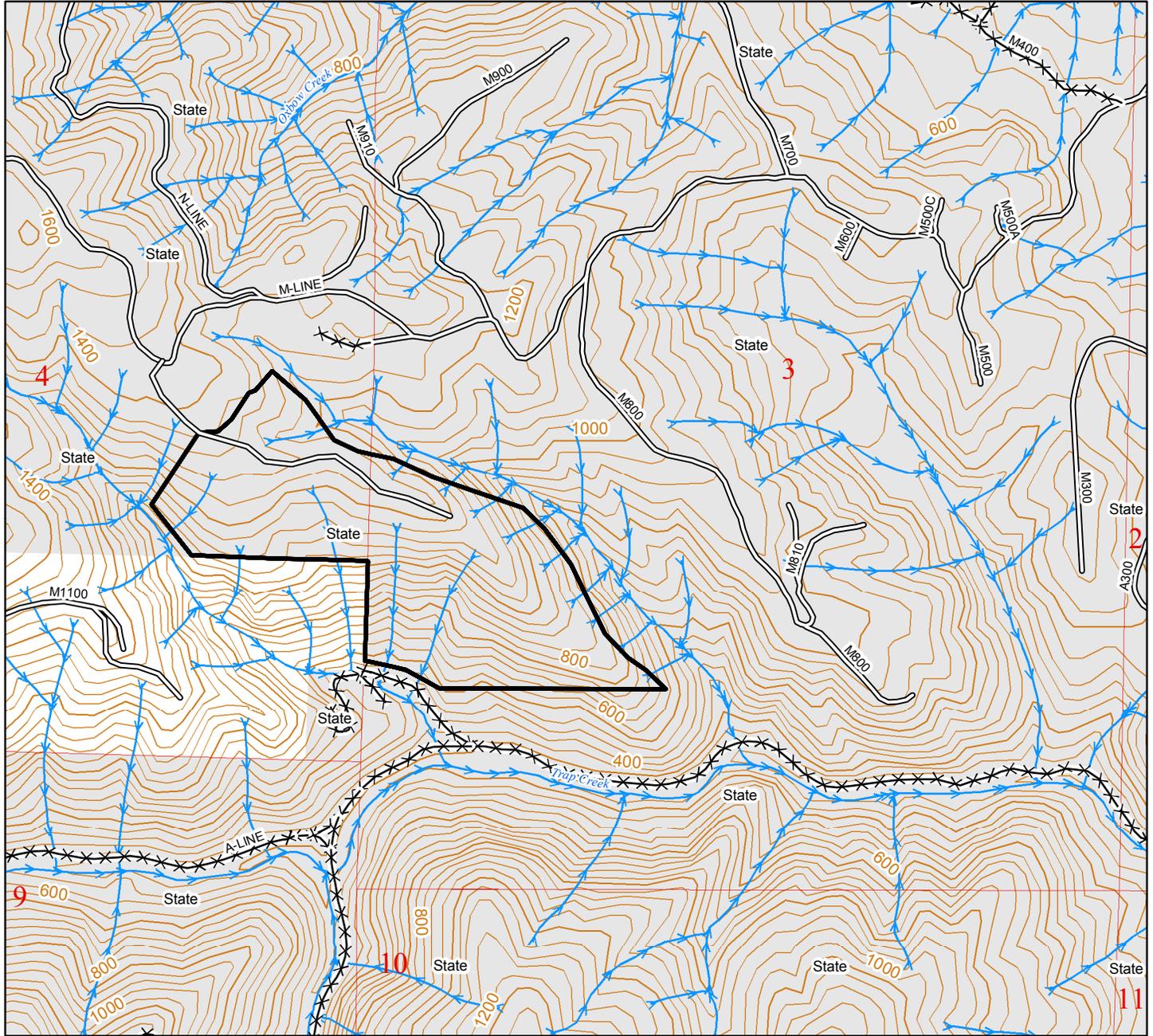
Pacific Unit

Pacific County

Sections 03&04, Township 12 North, Range 08 West, W.M.

Unit Name: Hot Saw U2

Item No. A14



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

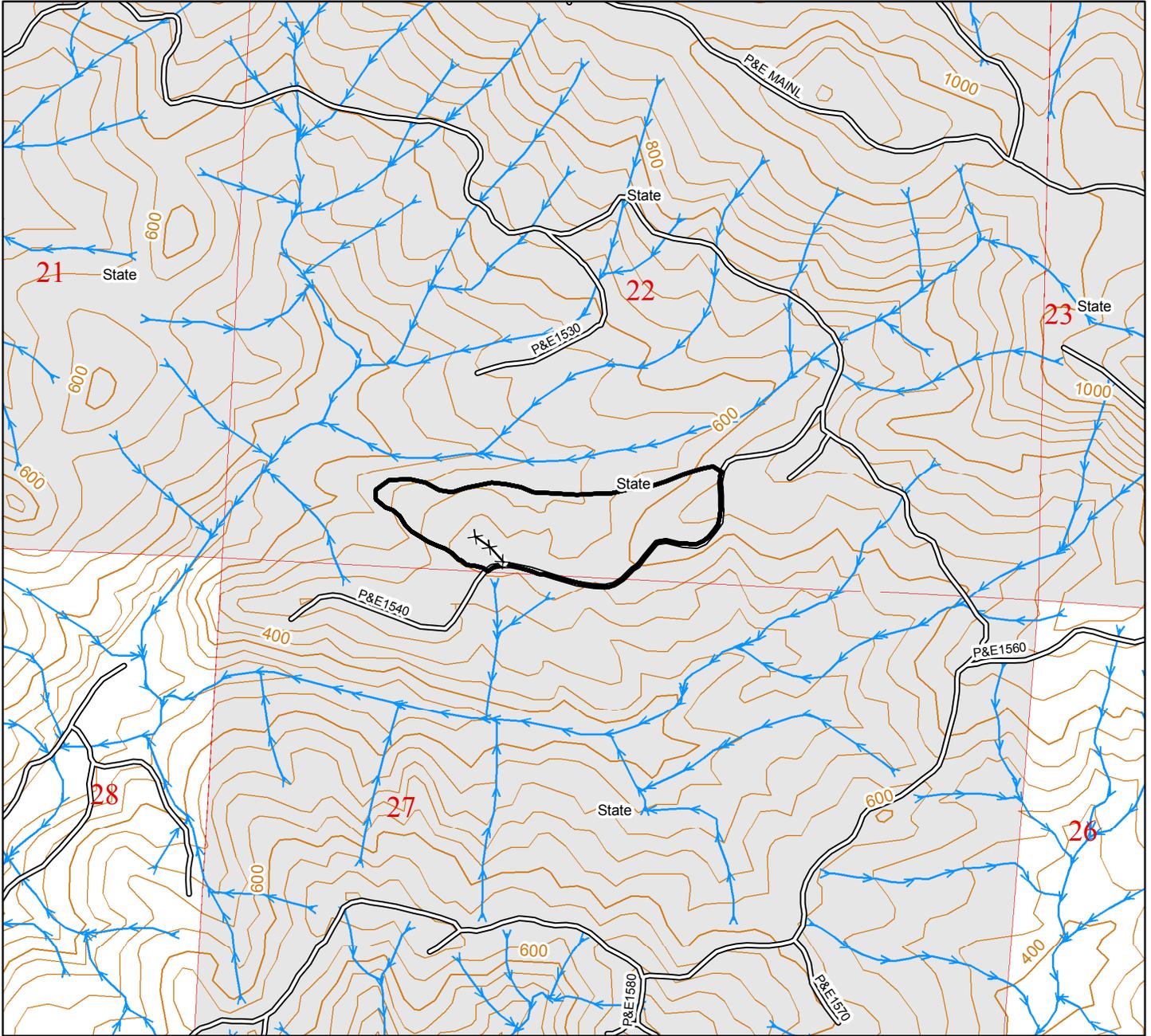
Pacific Unit

Pacific County

Sections 22&27, Township 13 North, Range 07 West, W.M.

Unit Name: Moonwalker U2

Item No. A15



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

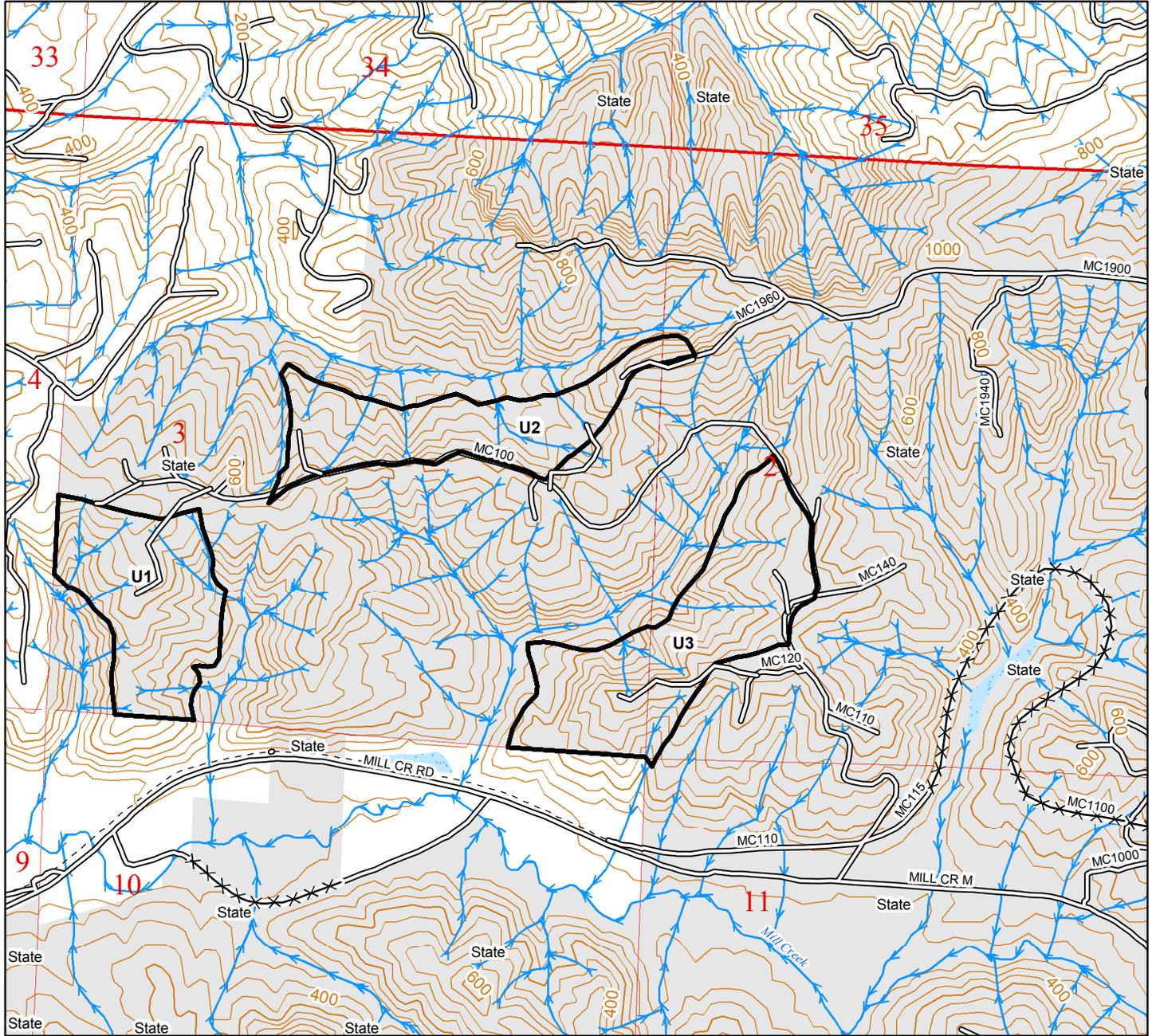
Pacific Unit

Pacific County

Sections 02,03,04&11, Township 13 North, Range 07 West, W.M.

Unit Name: St. Paul Grade U1, U2, U3

Item No. A16, A17, A18



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:16,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

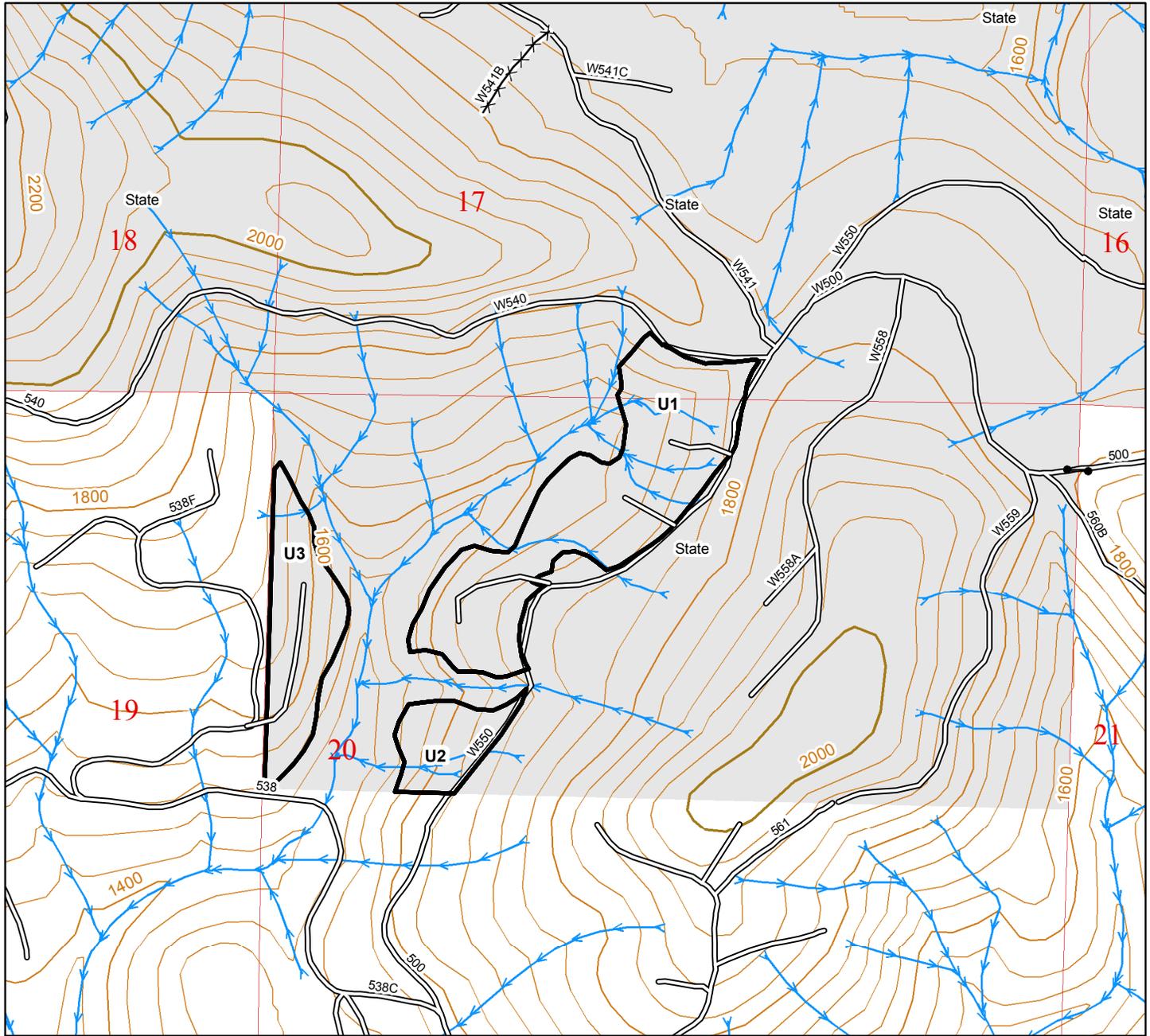
Salkum Unit

Lewis County

Sections 17&20, Township 11 North, Range 03 East, W.M.

Unit Name: After Hours U1, U2, U3

Item No. A19, A20, A21



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

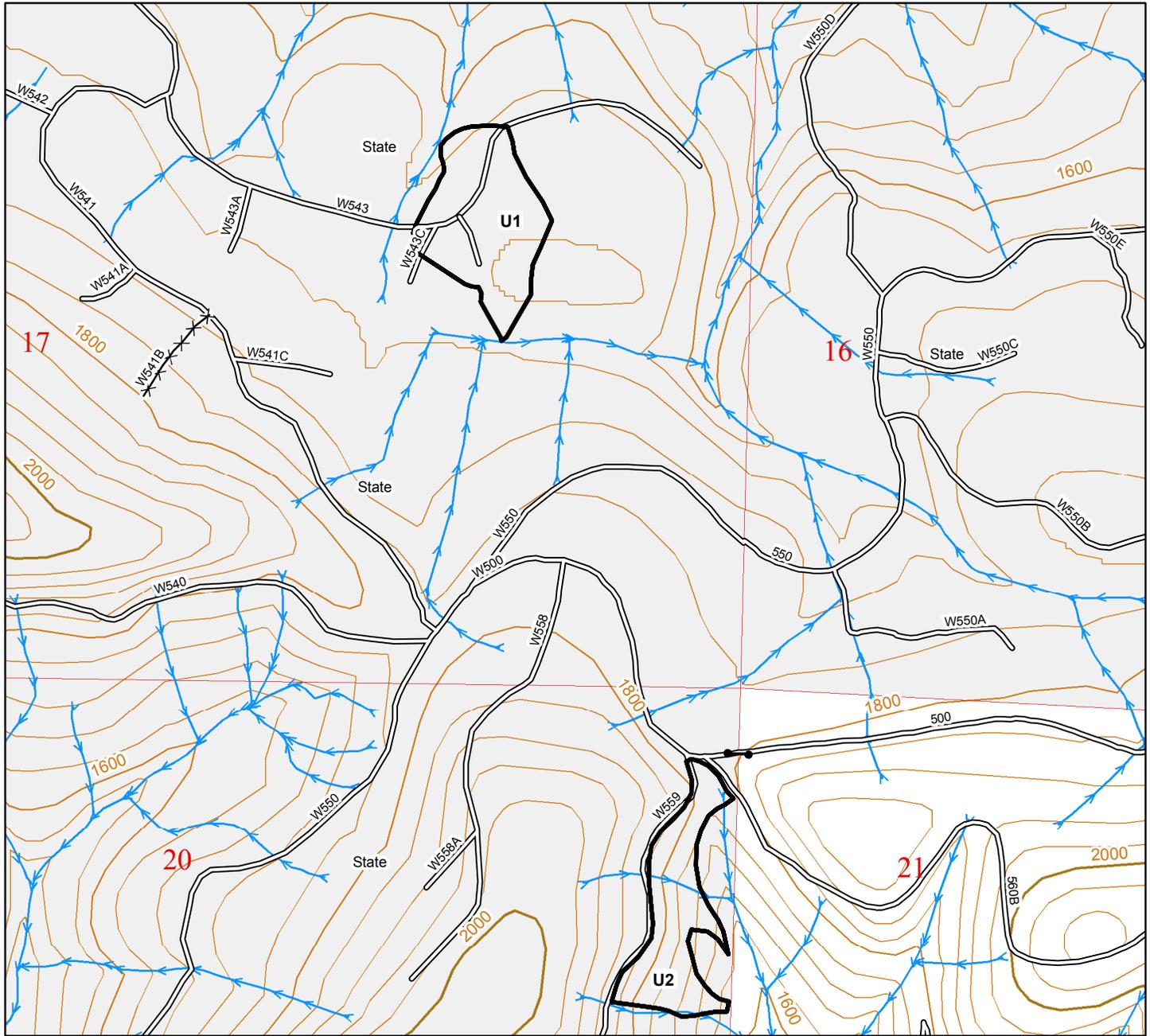
Salkum Unit

Lewis County

Sections 17&20, Township 11 North, Range 03 East, W.M.

Unit Name: Happy Camp Hwd U1, U2

Item No. A22, A23



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

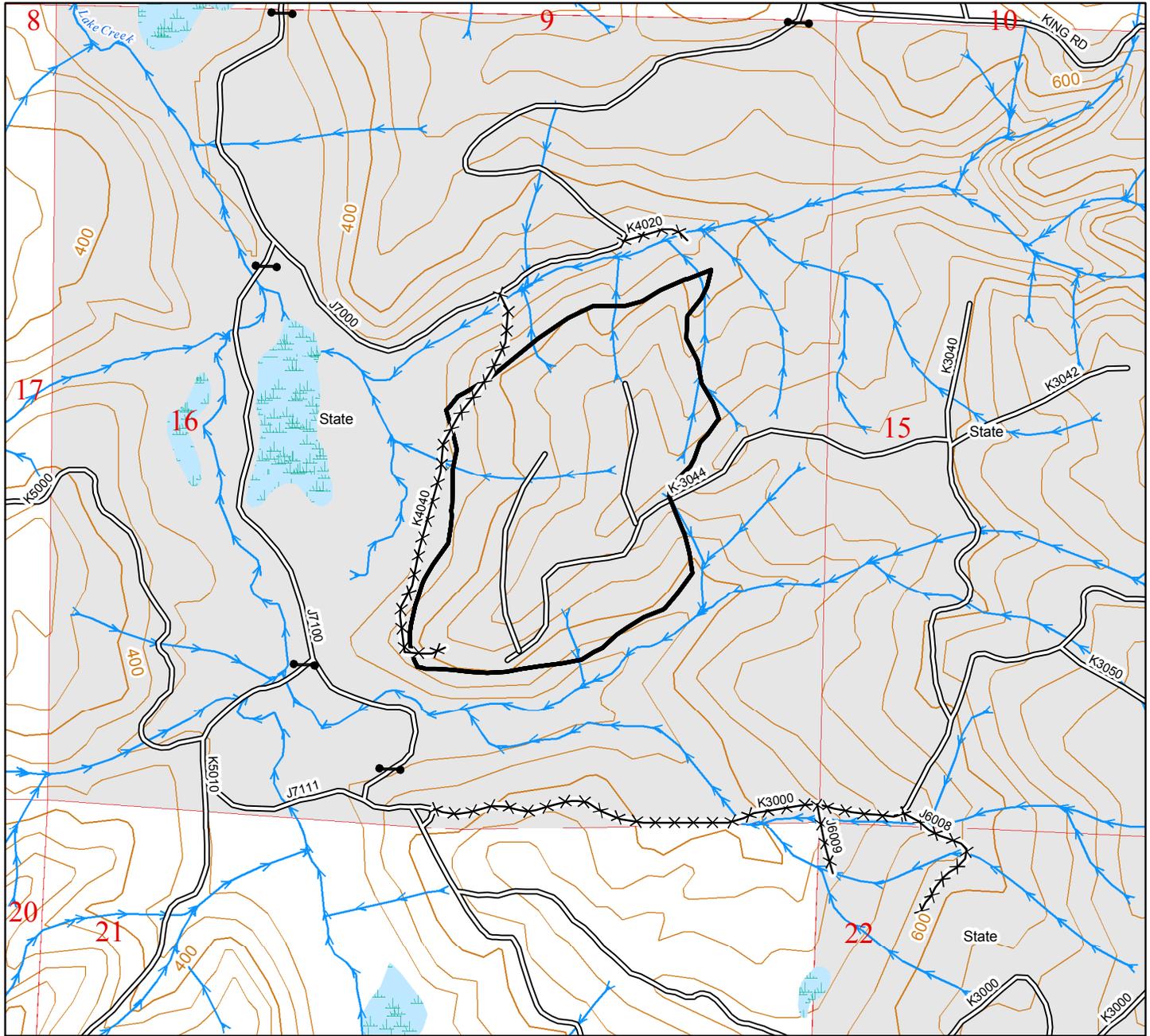
Salkum Unit

Lewis County

Section 16, Township 12 North, Range 3 West, W.M.

Unit Name: King of Queens

Item No. A24



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

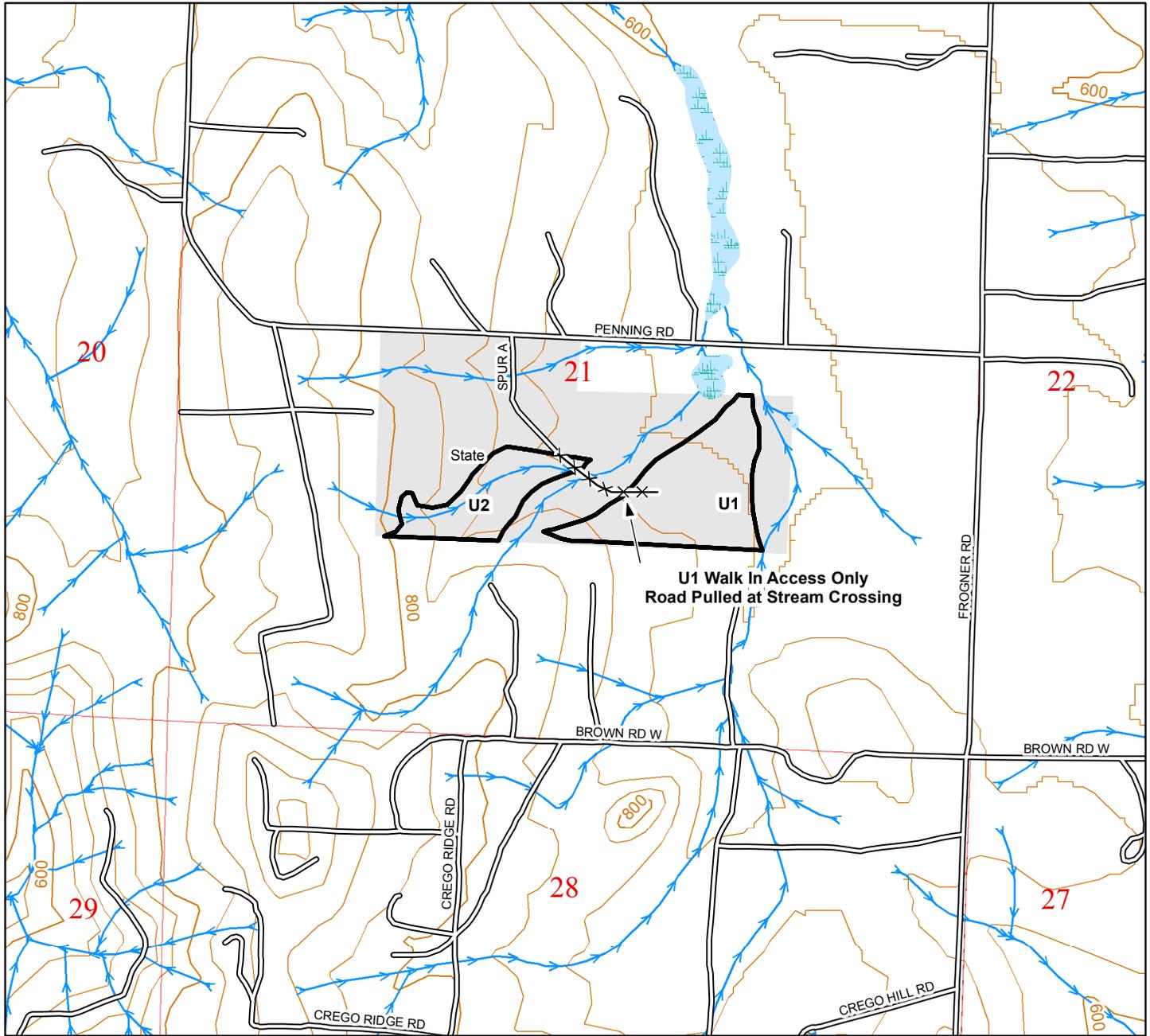
Salkum Unit

Lewis County

Section 21, Township 13 North, Range 3 West, W.M.

Unit Name: Penning To Go U1, U2

Item No. A25, A26



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

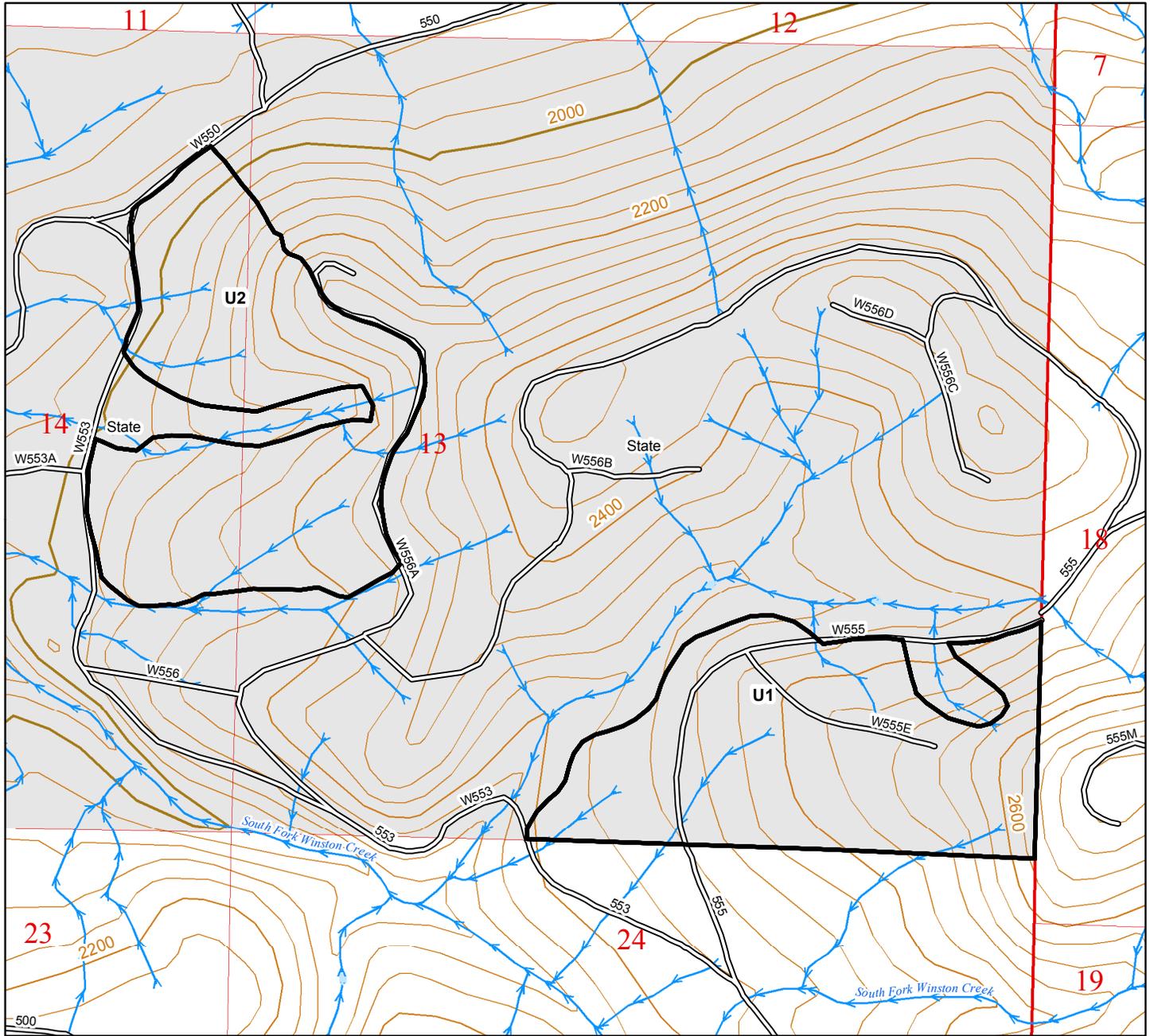
Salkum Unit

Lewis County

Sections 13&14, Township 11 North, Range 3 East, W.M.

Unit Name: Lost and Found U1, U2

Item No. A27, A28



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

Lewis District

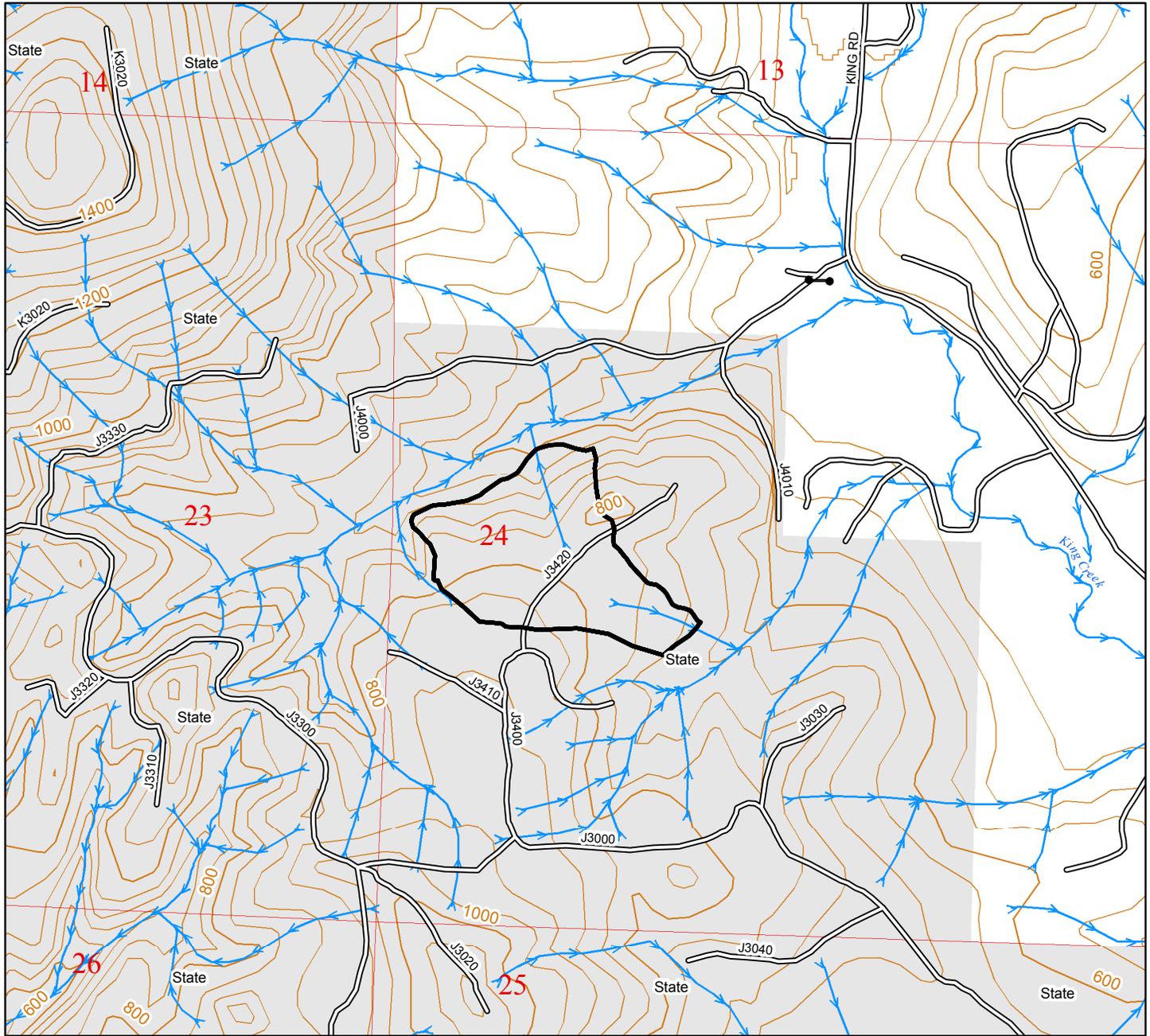
Salkum Unit

Lewis County

Section 24 Township 12 North, Range 3 West, W.M.

Unit Name: Joker Interplant

Item No. A29



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

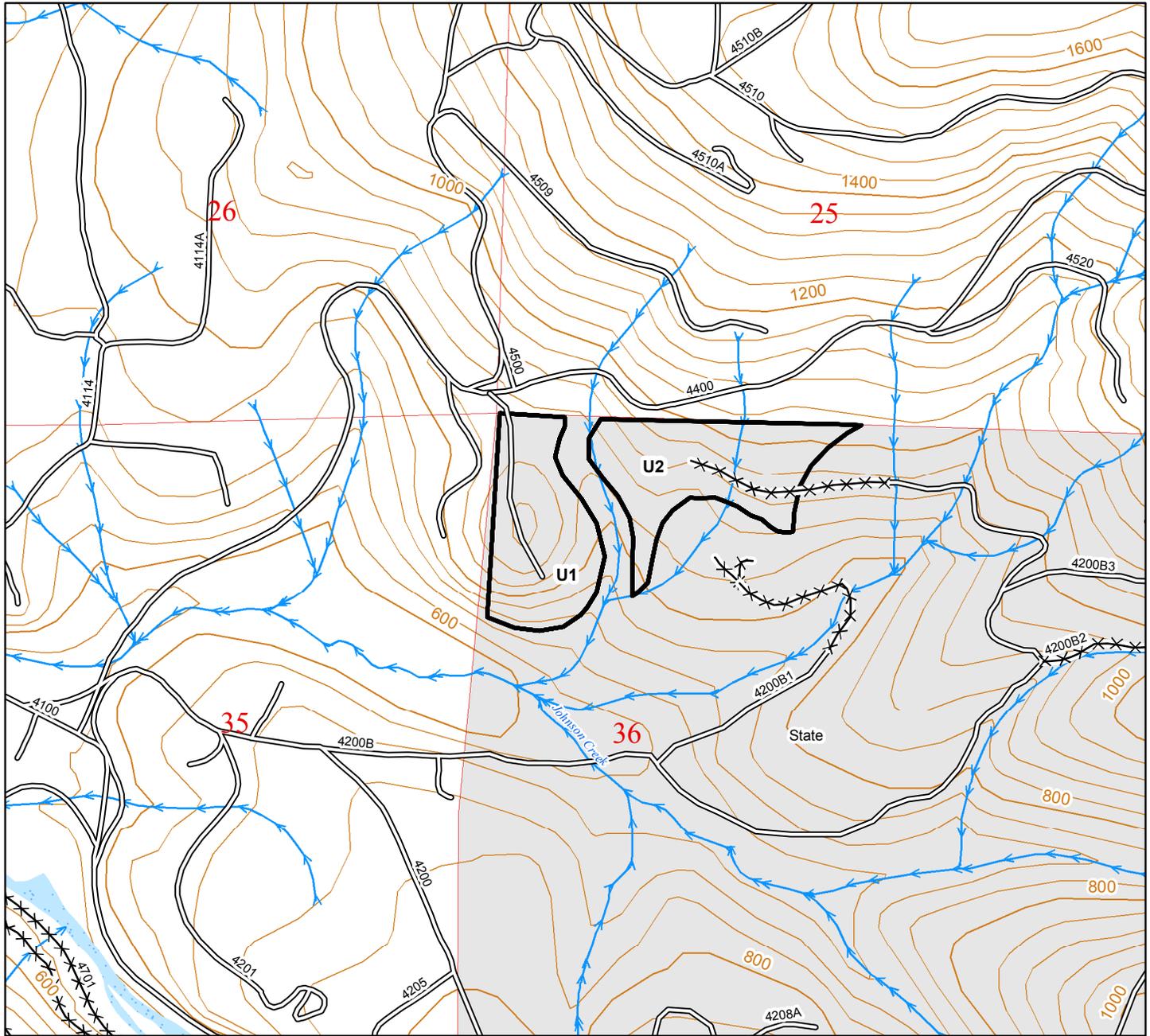
Green Mountain Unit

Cowlitz County

Section 36, Township 10 North, Range 01 East, W.M.

Unit Name: North Johnson U1, U2 IP

Item No. B1, B2



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

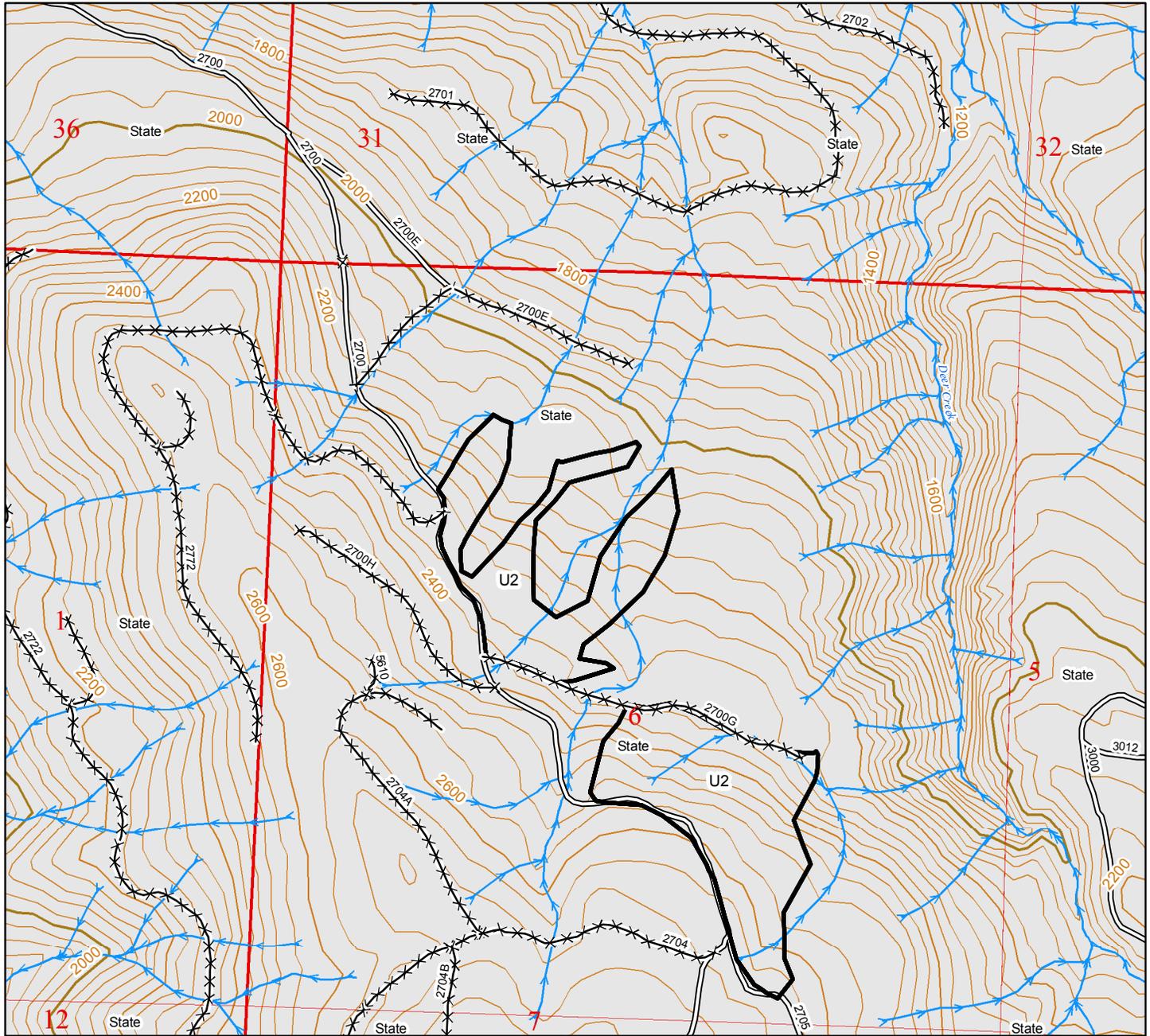
Green Mountain Unit

Cowlitz County

Section 06, Township 09 North, Range 03 East, W.M.

Unit Name: 2700 Rd U2 Regen IP

Item No. B3



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:13,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

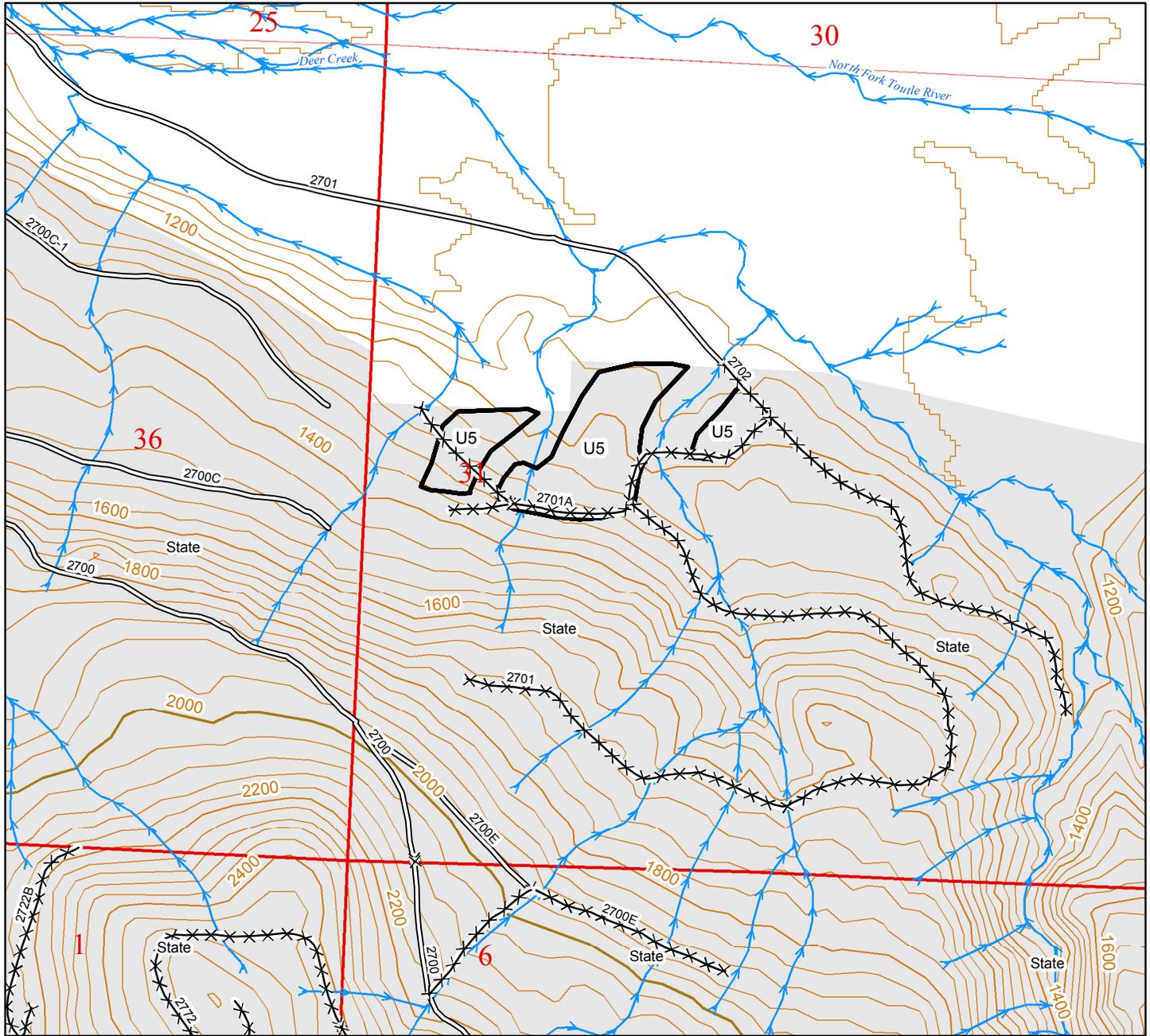
Green Mountain Unit

Cowlitz County

Section 31, Township 10 North, Range 03 East, W.M.

Unit Name: 2700 Rd U5 Regen IP

Item No. B4



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

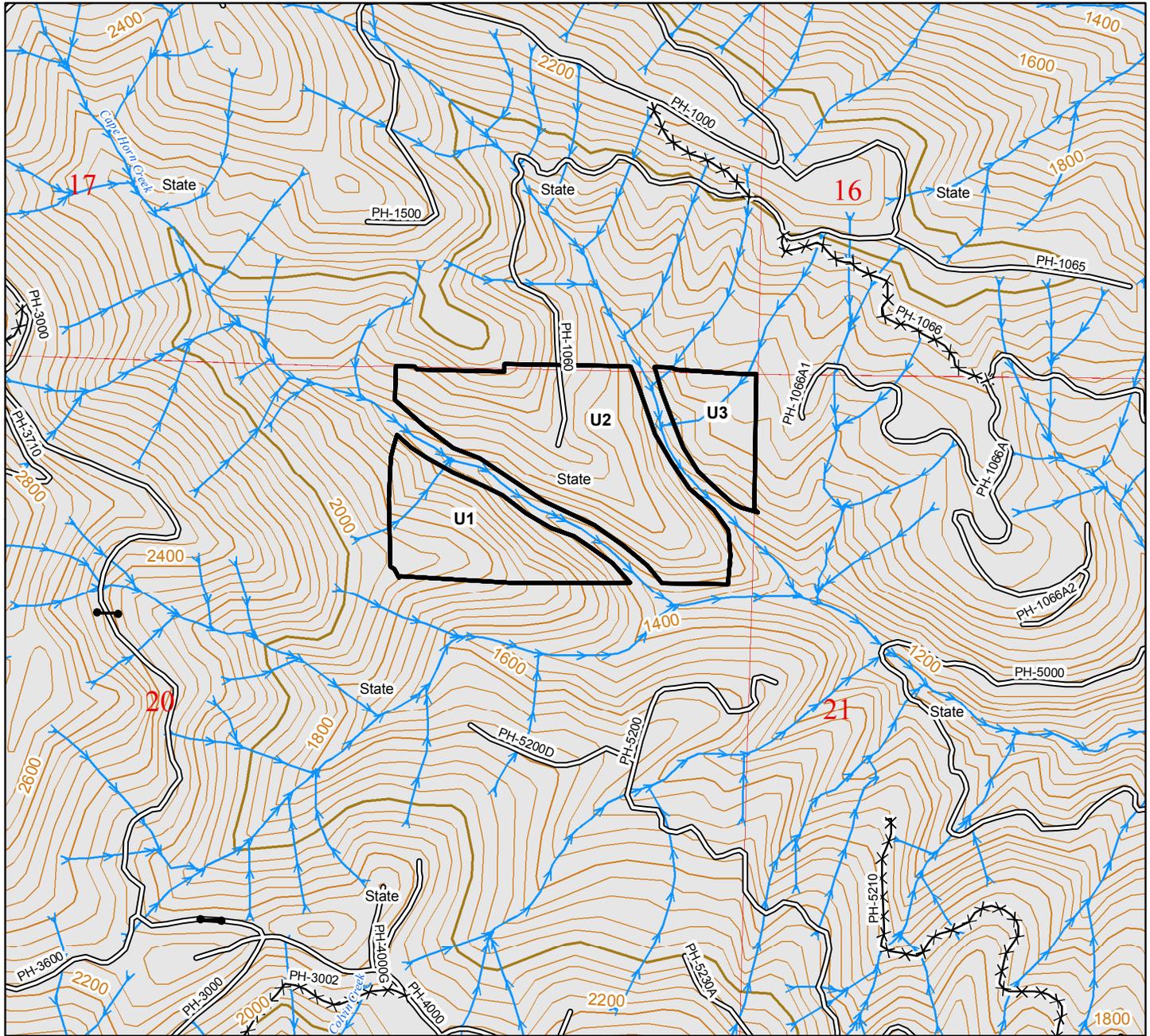
Green Mountain Unit

Cowlitz County

Section 20, Township 06 North, Range 02 East, W.M.

Unit Name: Boulderis U1, U2, U3 IP

Item No. B5, B6, B7



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

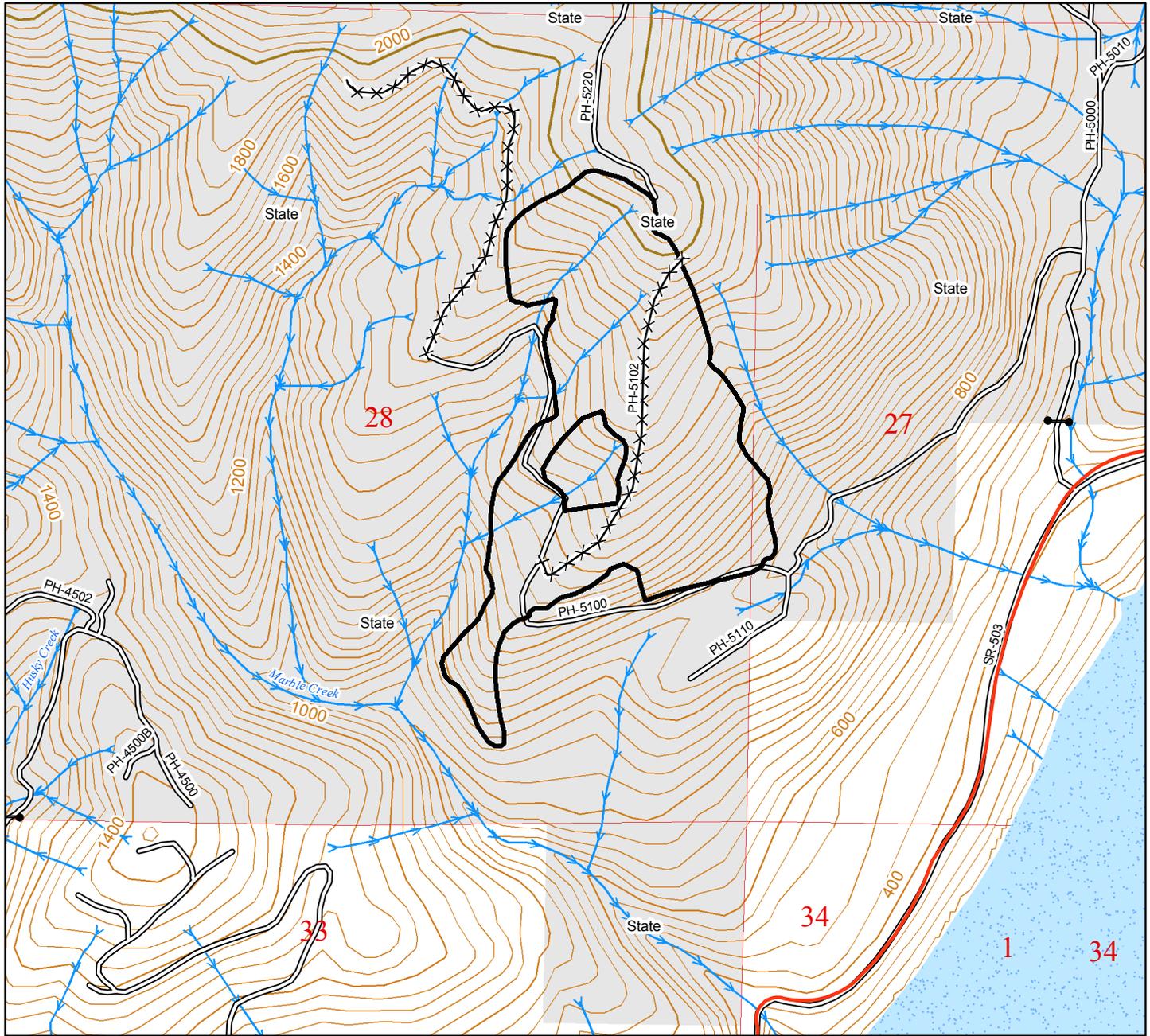
Green Mountain Unit

Cowlitz County

Sections 27&28, Township 06 North, Range 02 East, W.M.

Unit Name: Loose Marbles IP

Item No. B8



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

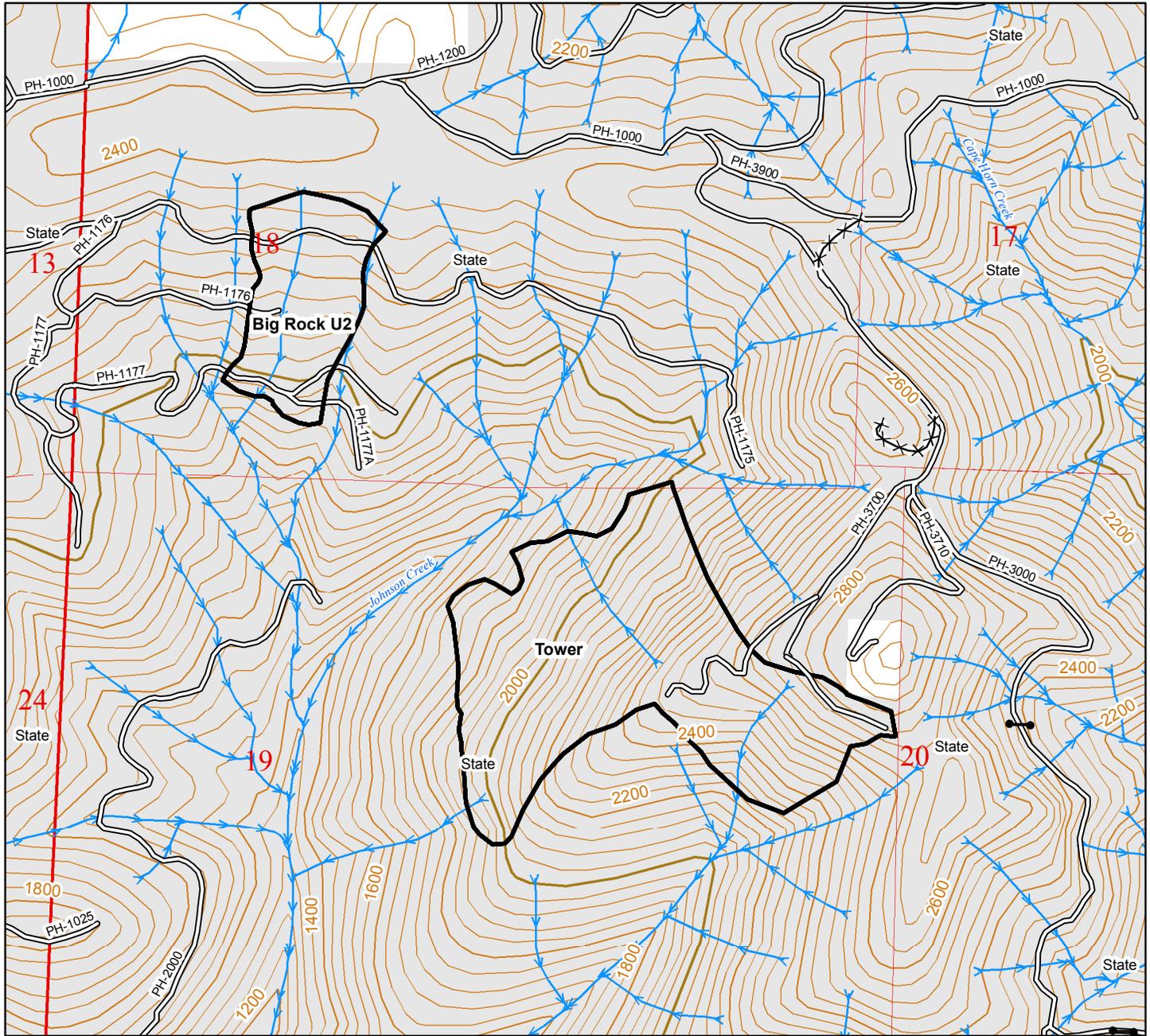
Pacific Cascade Region St Helens District

Green Mountain Unit

Cowlitz County Sections 18&19, Township 06 North, Range 02 East, W.M.

Unit Name: Tower & Big Rock U2 IP

Item No. B9, B10



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

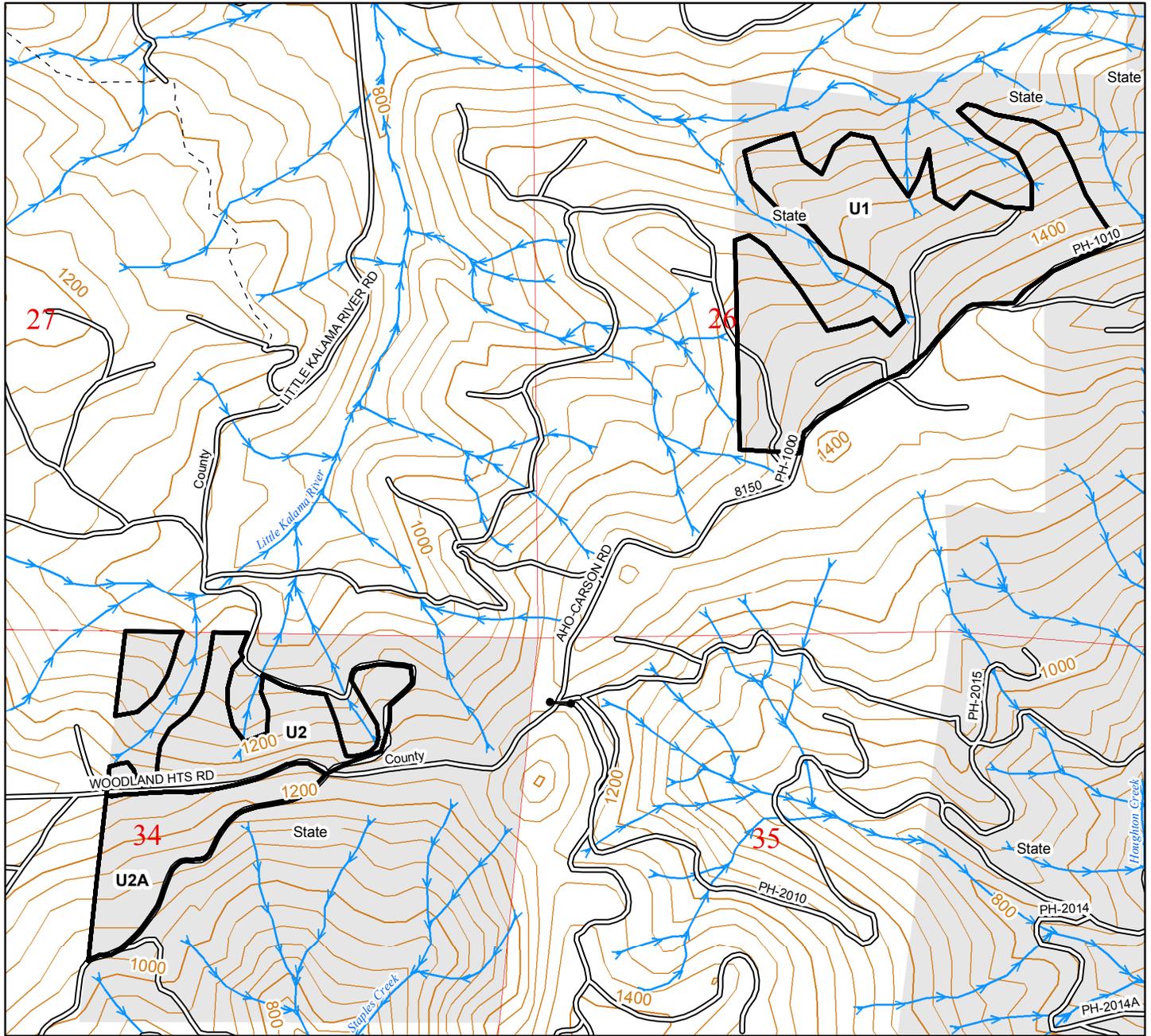
Green Mountain Unit

Cowlitz County

Sections 26,27&34, Township 06 North, Range 01 East, W.M.

Unit Name: Deciduous Delight U1, U2, U2A

Item No. B11, B12, B13



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

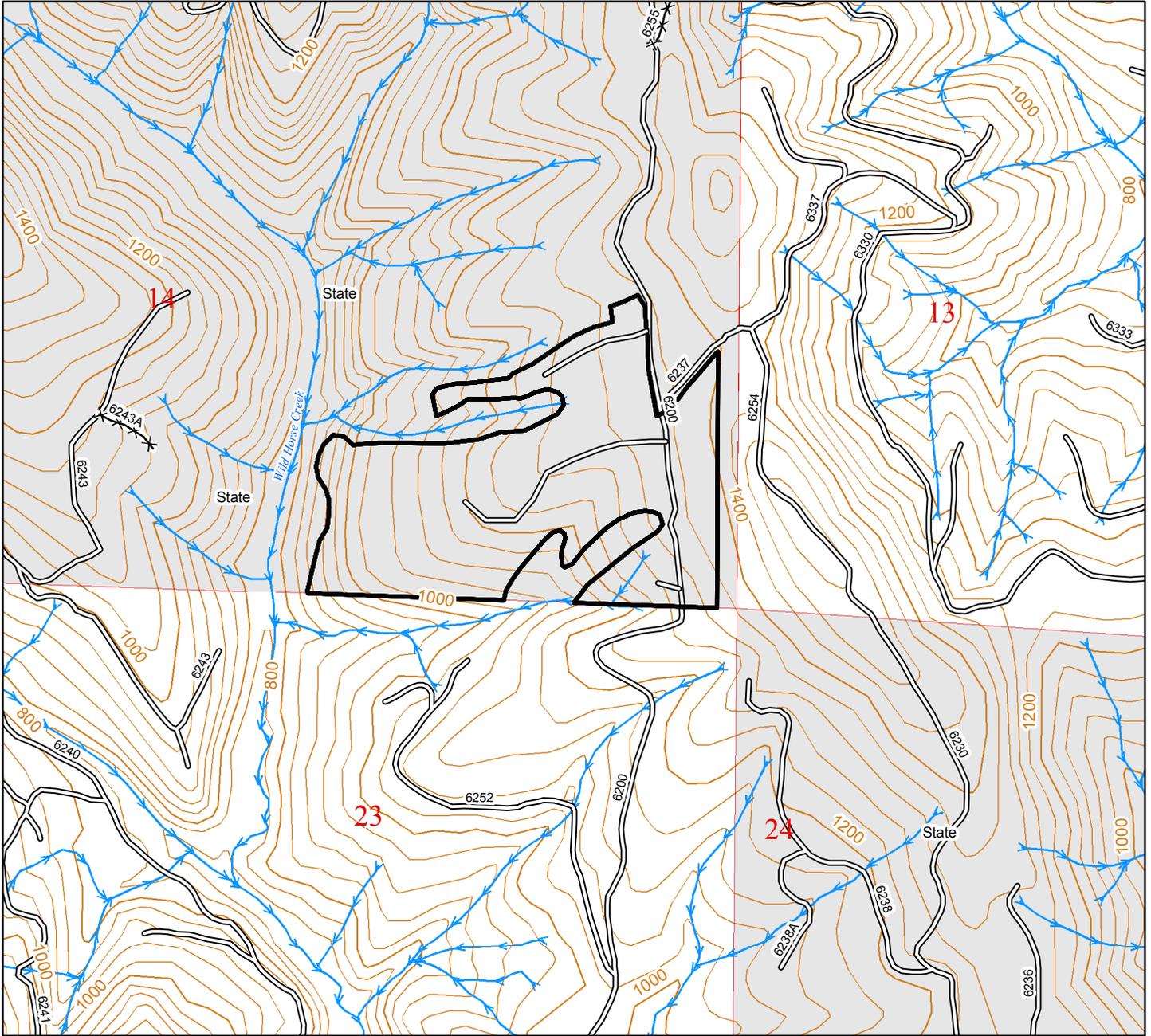
Green Mountain Unit

Cowlitz County

Section 23, Township 07 North, Range 01 East, W.M.

Unit Name: Sea Biscuit

Item No. B14



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

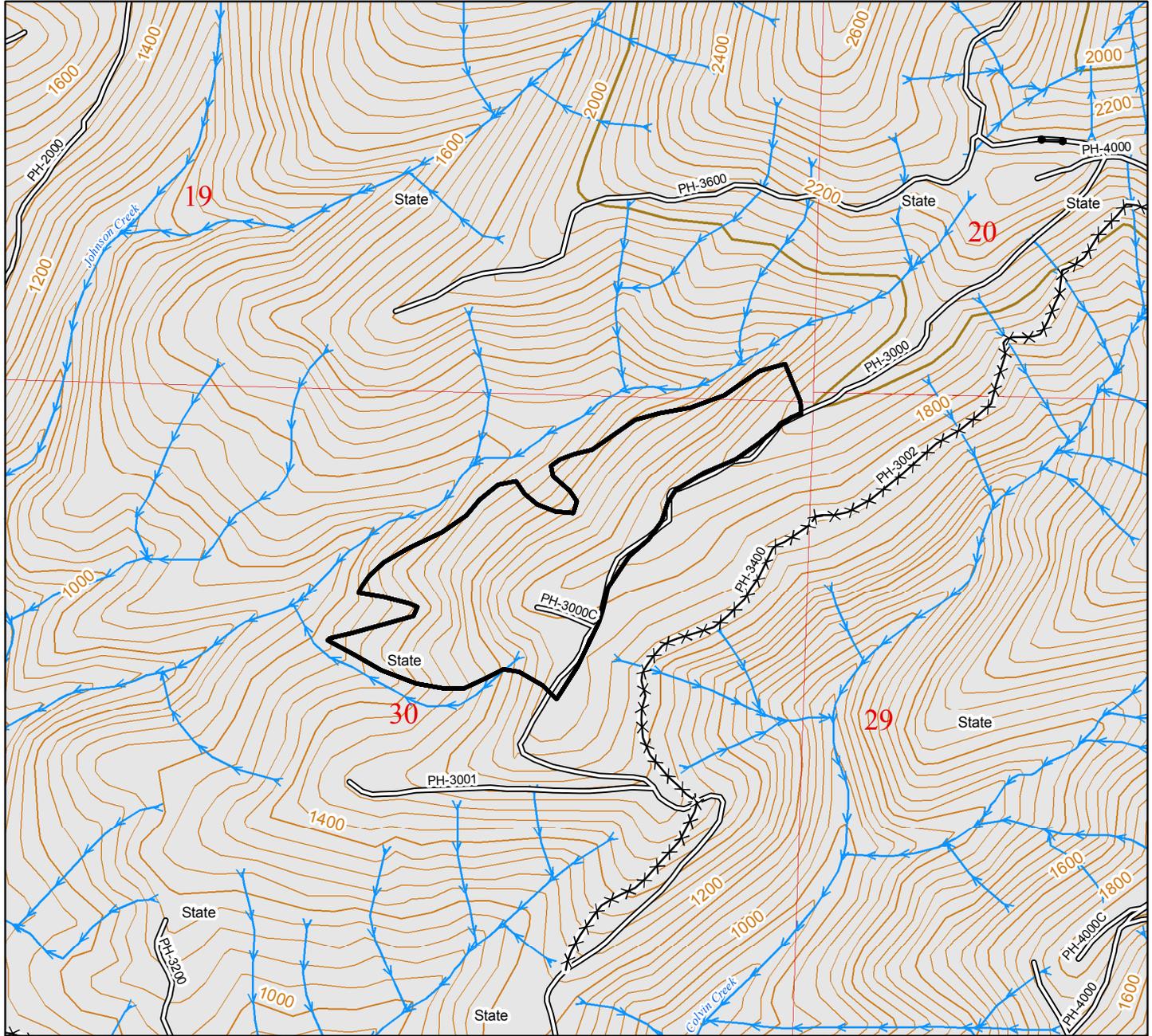
Green Mountain Unit

Cowlitz County

Sections 19&30, Township 06 North, Range 02 East, W.M.

Unit Name: Moon U1 IP

Item No. B15



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

Stella Unit

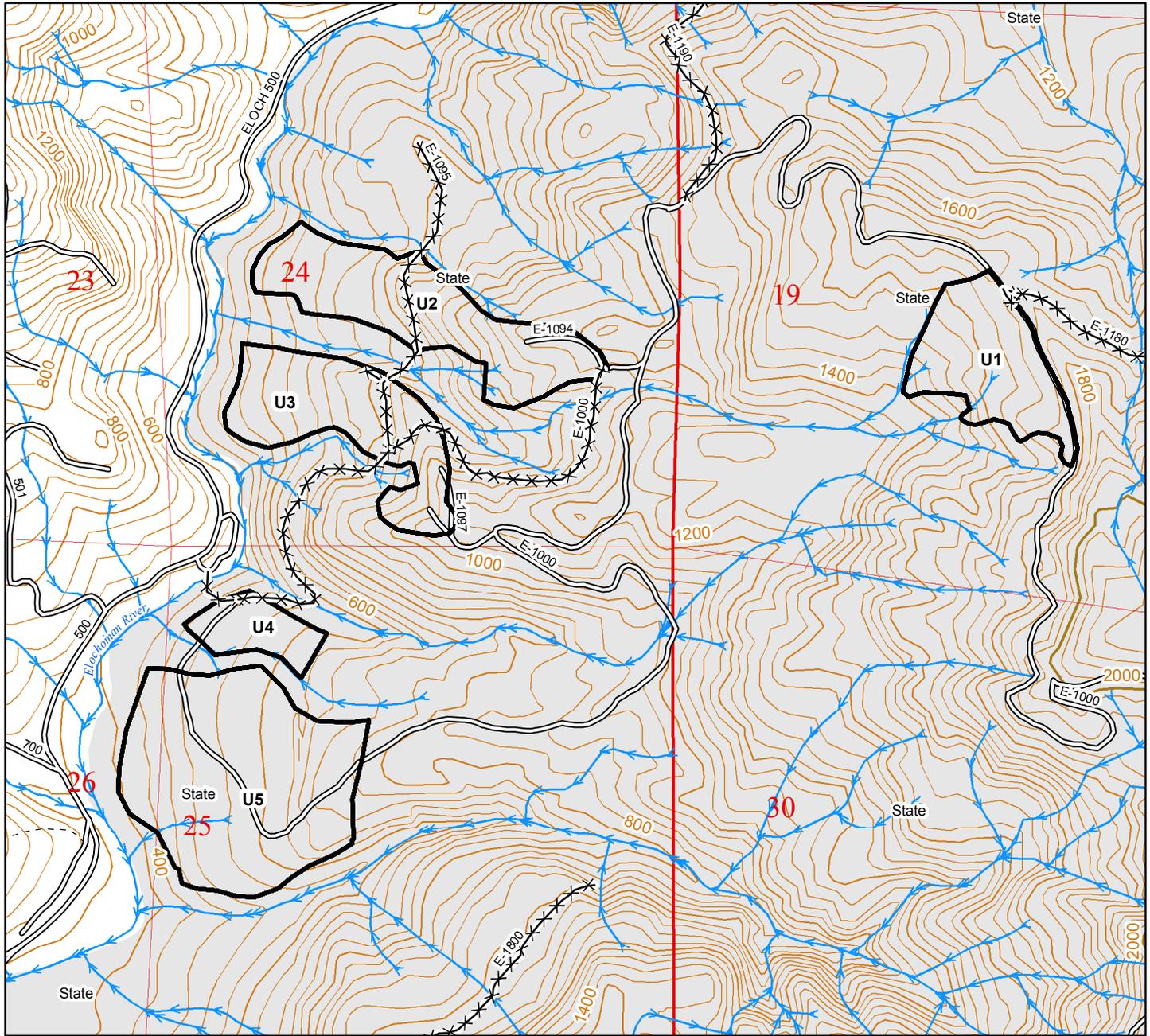
Wahkiakum County

Sections 24,25&26, Township 10 North, Range 05 West, W.M.

Section 19, Township 10 North, Range 04 West, W.M.

Unit Name: Adverse U1,U2, U3, U4, U5

Item No. B19, B20, B21, B22, B30



1:17,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

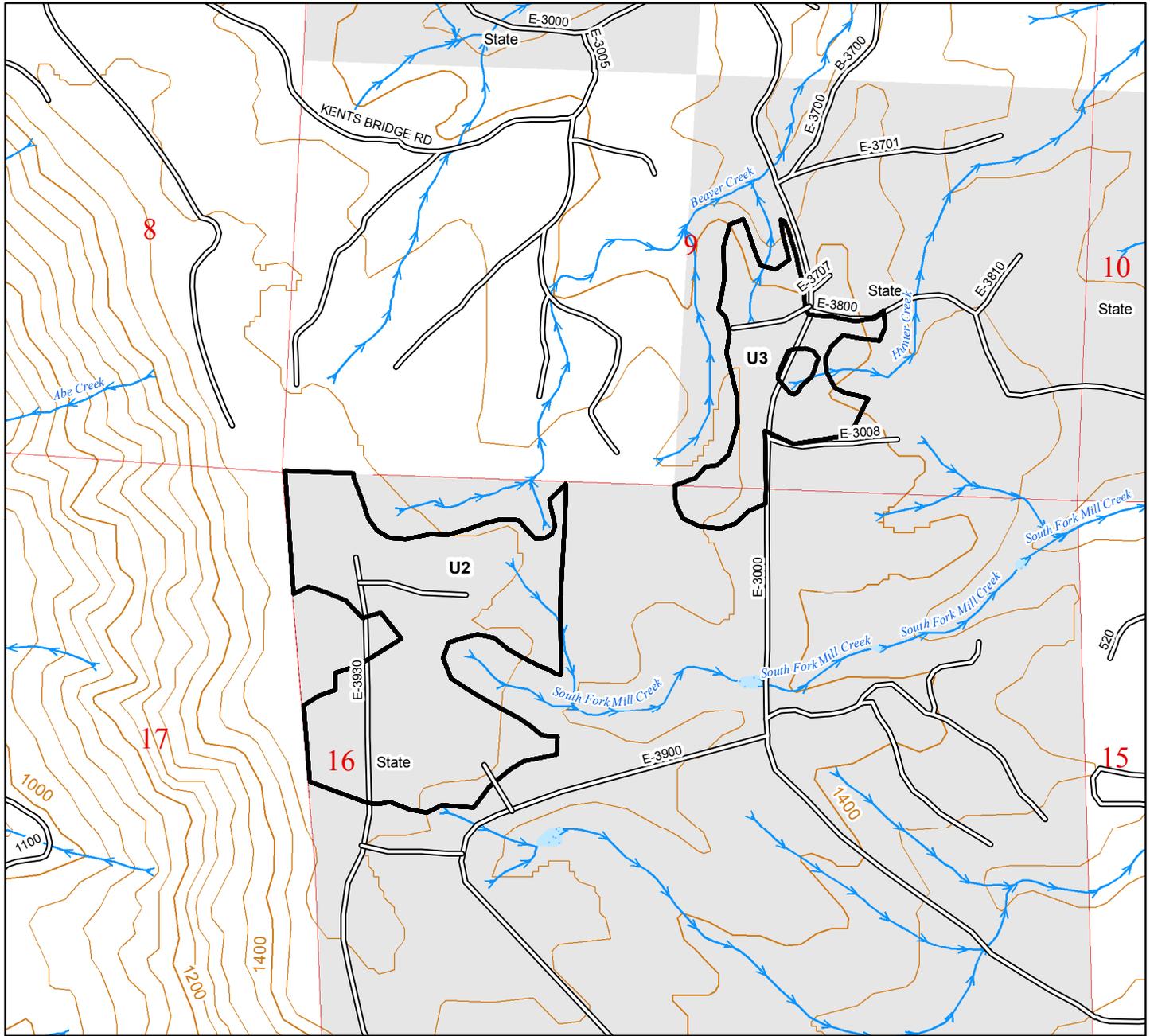
Stella Unit

Wahkiakum County

Sections 09&16, Township 08 North, Range 05 West, W.M.

Unit Name: Smooth U1, U2 IP

Item No. B25, B26



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

Stella Unit

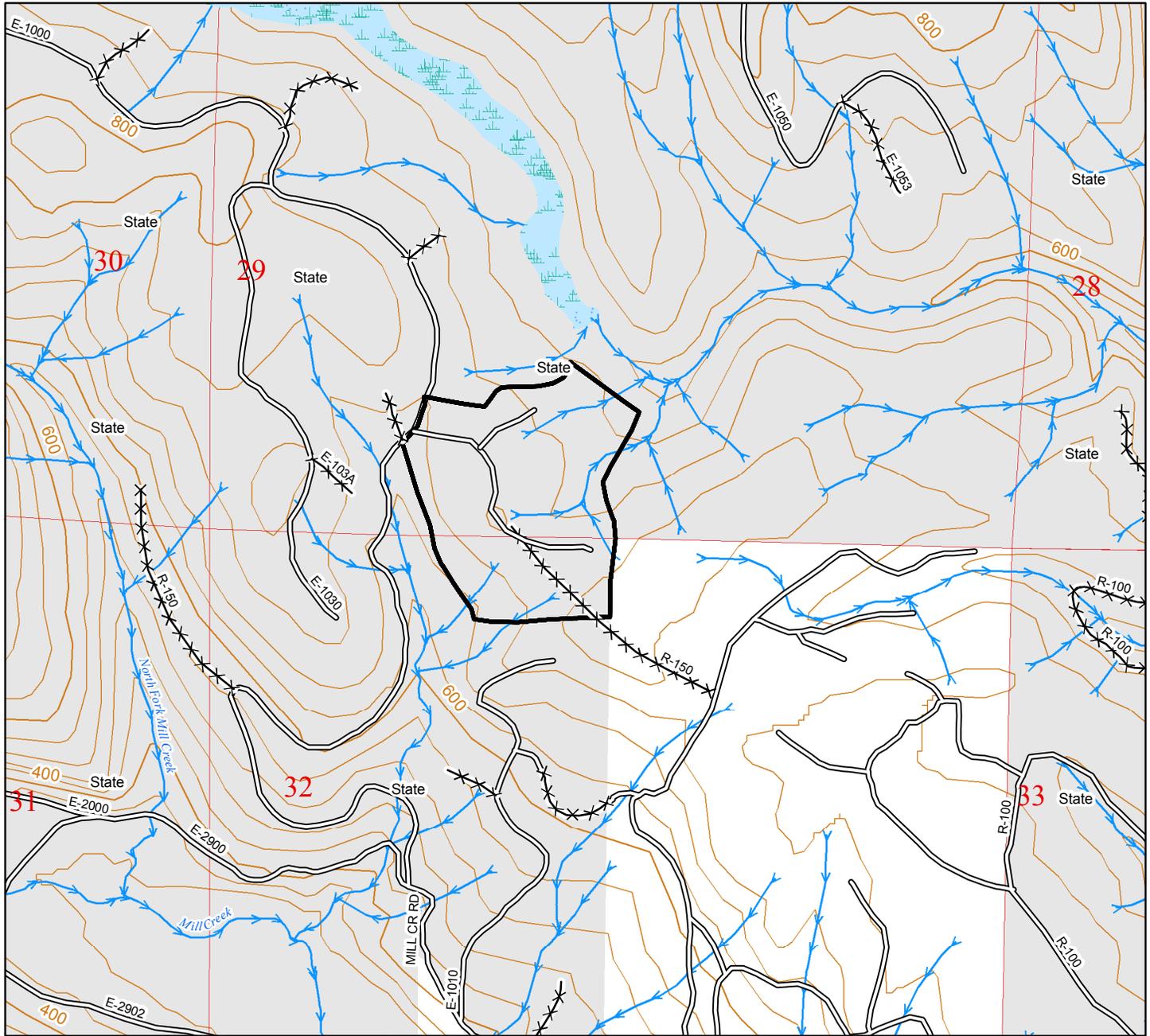
Trust

Cowlitz County

Sections 29&32, Township 09 North, Range 04 West, W.M.

Unit Name: Wannigan U1 IP

Item No. B27



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



1:12,000

UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

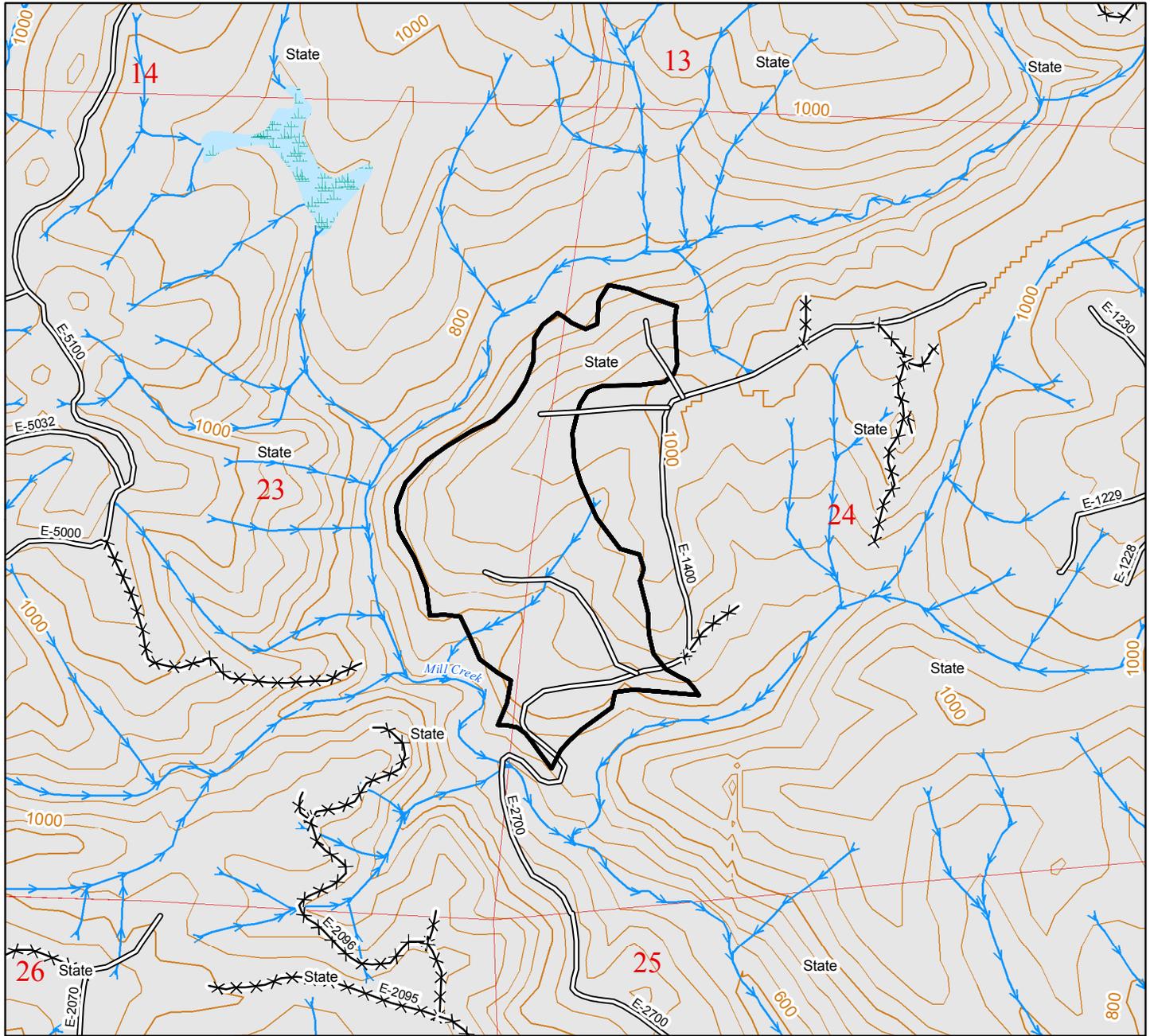
Stella Unit

Wahkiakum County

Sections 23&24, Township 09 North, Range 05 West, W.M.

Unit Name: Mill CR_U3_IP

Item No. B28



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

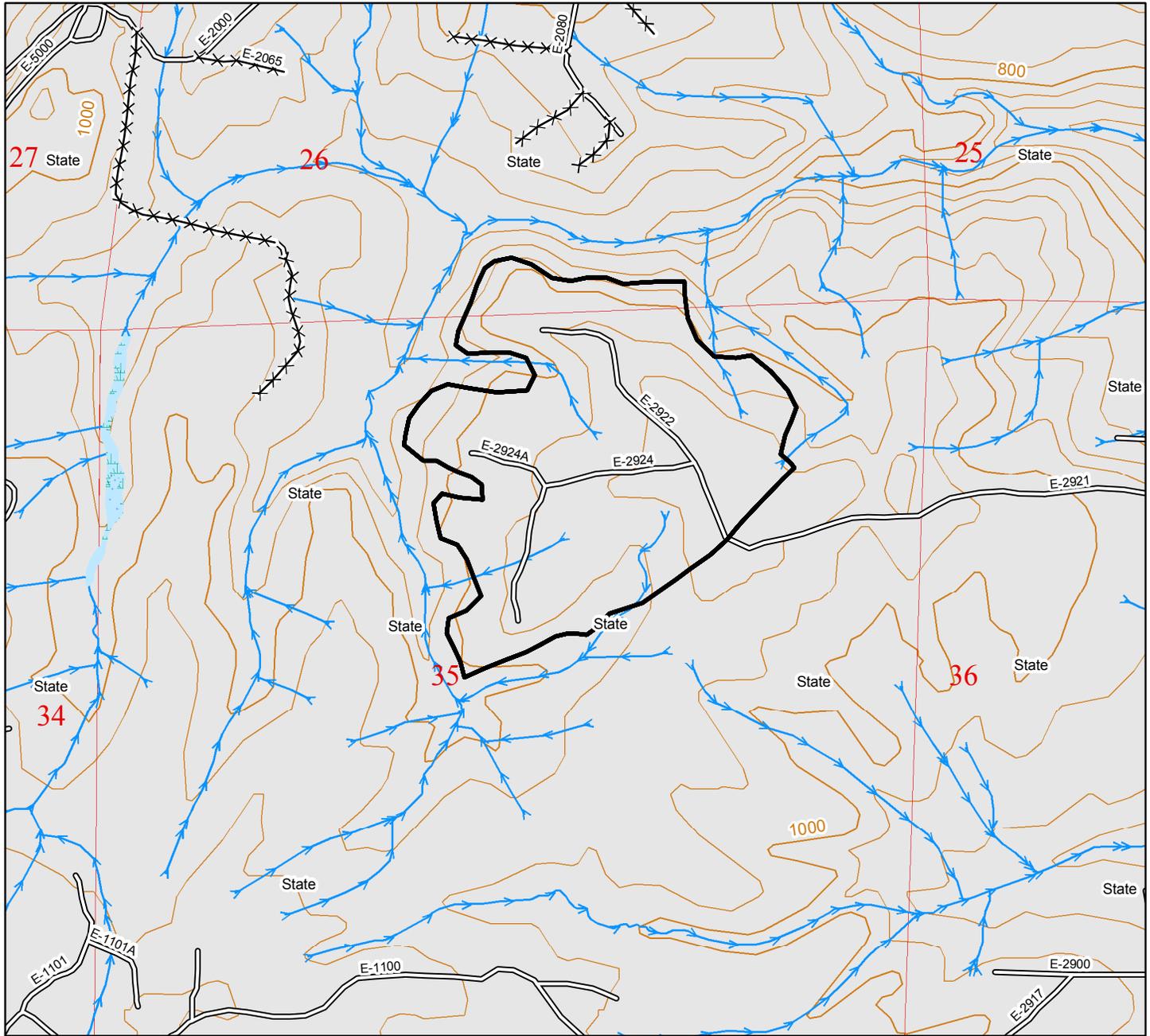
Stella Unit

Wahkiakum County

Sections 26&35, Township 09 North, Range 05 West, W.M.

Unit Name: Derailleur IP

Item No. B29



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region St Helens District

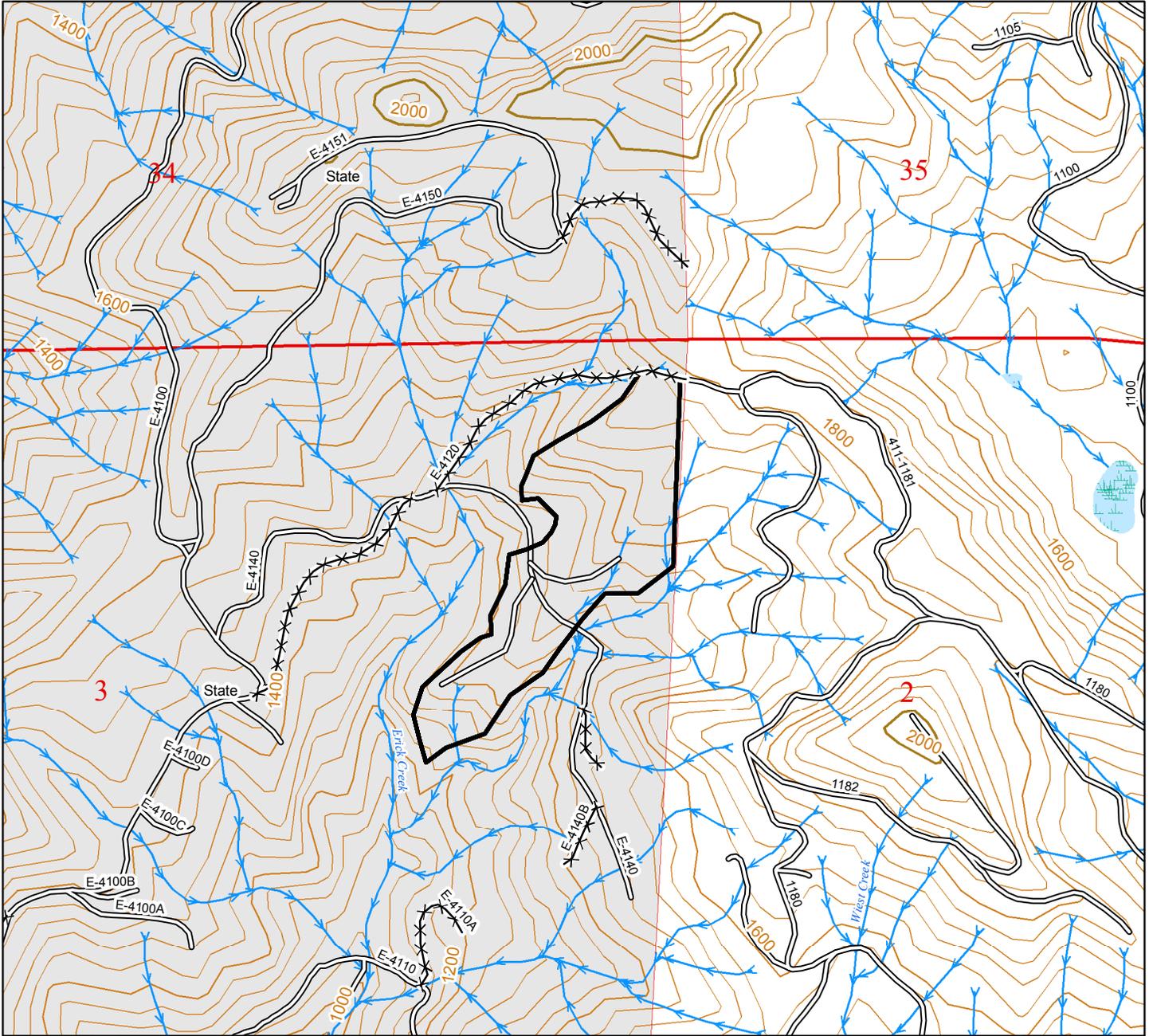
Stella Unit

Cowlitz County

Section 03, Township 09 North, Range 04 West, W.M.

Unit Name: Long Jump U1 IP

Item No. B31



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

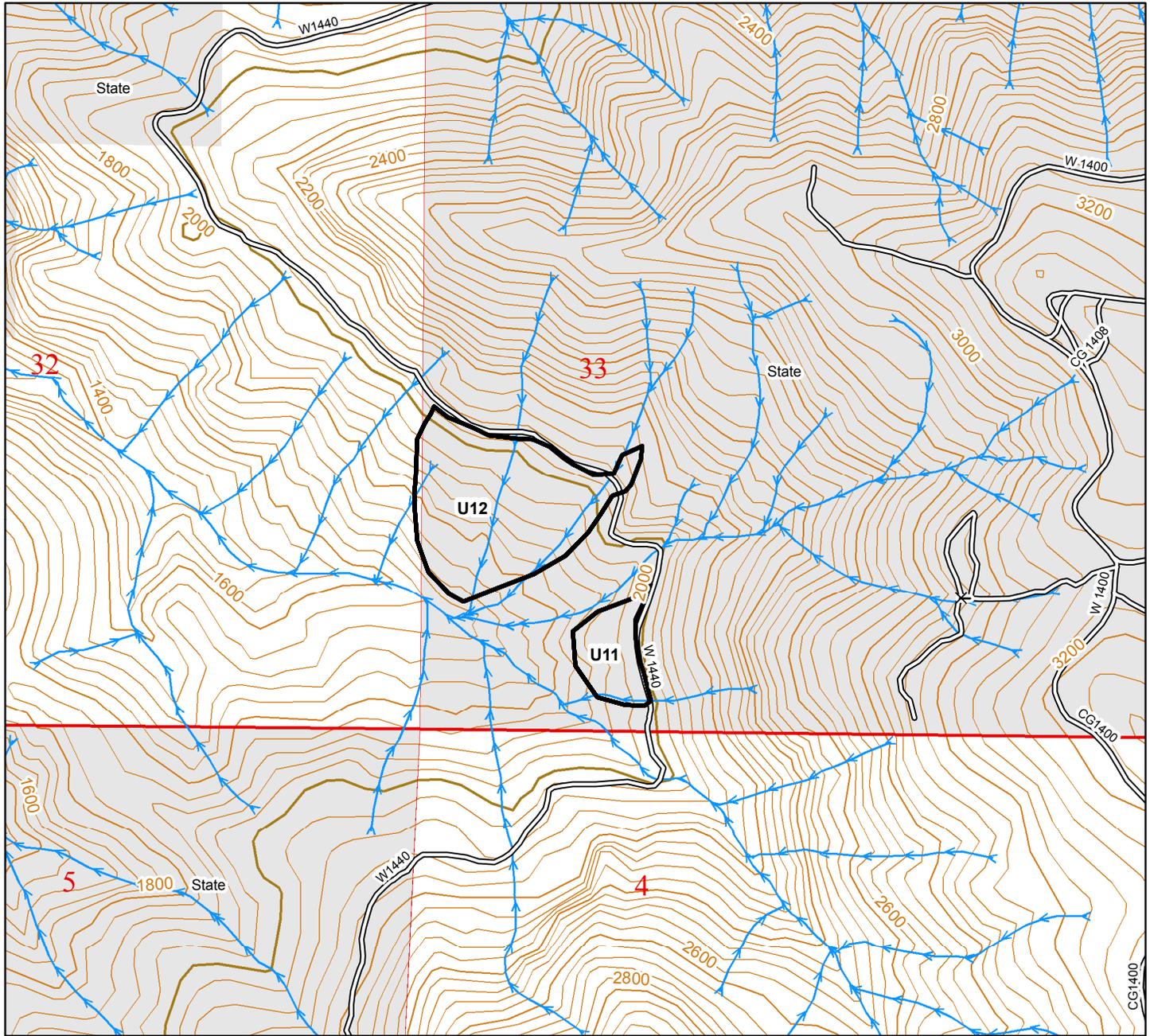
Pacific Cascade Region Yacolt District

Silver Star Unit

Skamania County Sections 32&33. Township 03 North, Range 06 East, W.M.

Unit Name: Upper Sibley VDT U11, U12

Item No. B32, B33



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

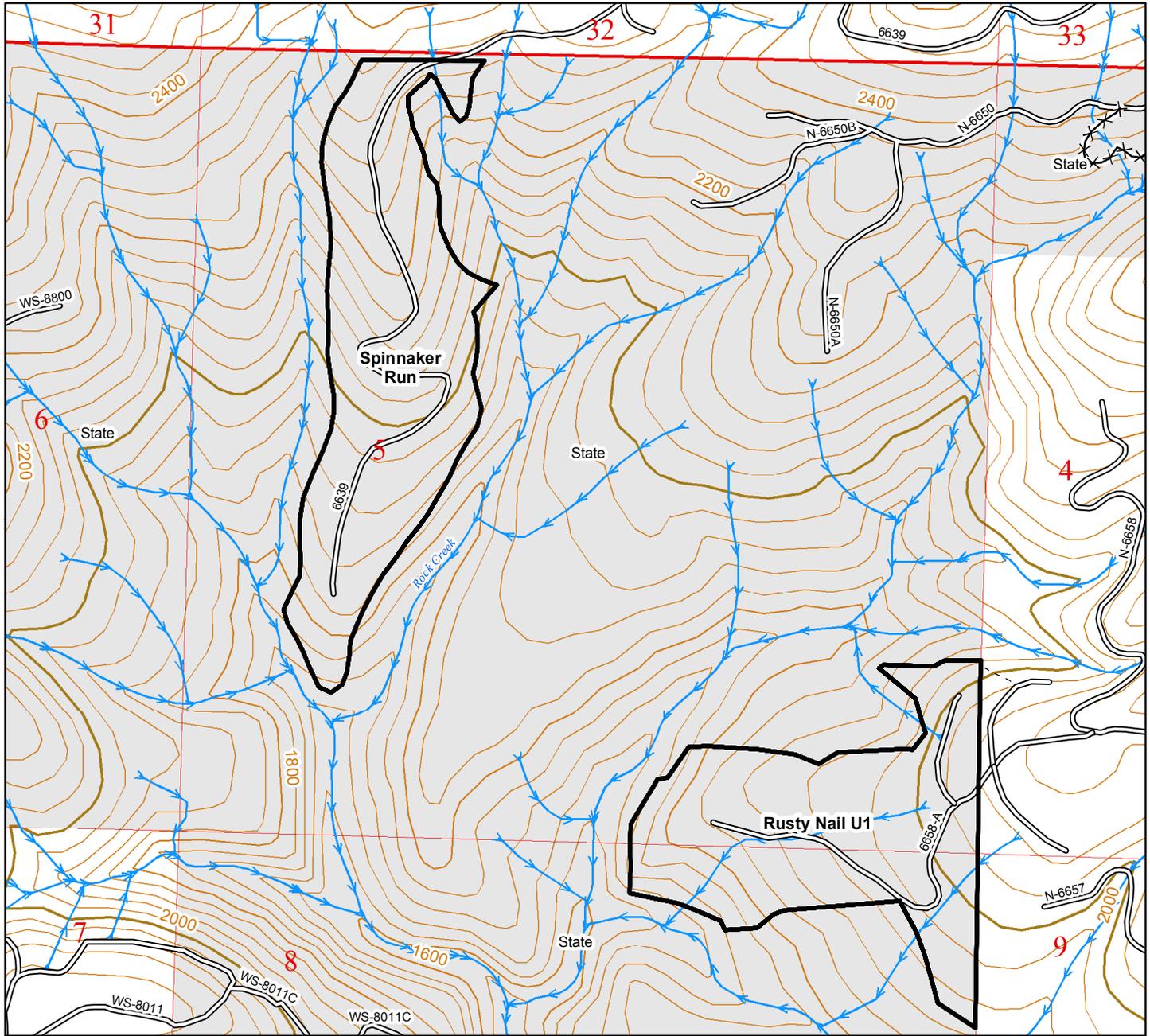
Cougar Unit

Cowlitz County

Sections 05&08, Township 06 North, Range 03 East, W.M.

Unit Name: Rusty Nail U1, Spinnaker Run

Item No. B34, B35



1:12,000

Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate



UNIT MAP

TREE PLANTING

Invitation to Bid No. 1185

Pacific Cascade Region

St Helens District

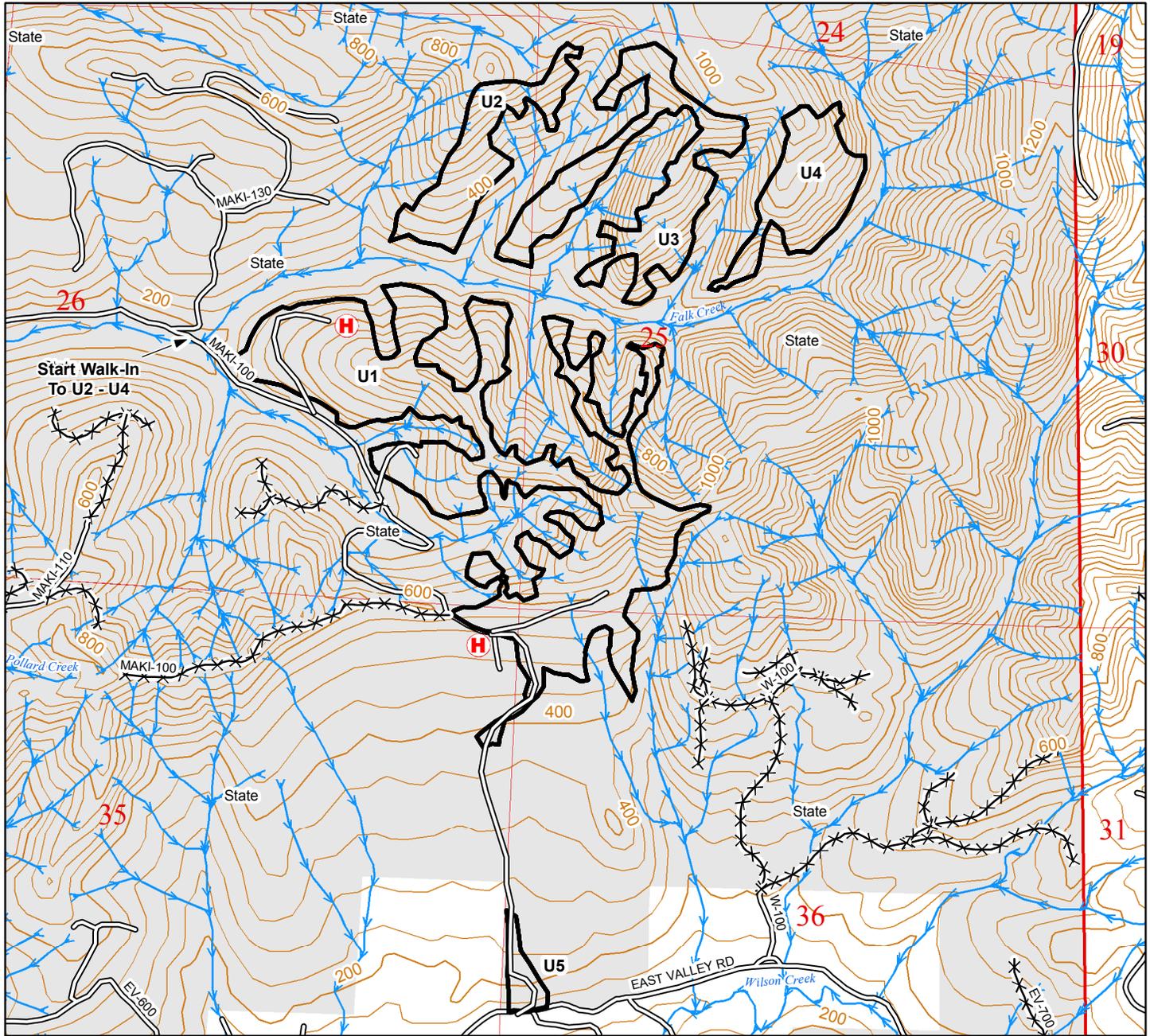
Stella Unit

Wahkiakum County

Sections 25,26,35&36, Township 10 North, Range 06 West, W.M.

Unit Name: Falk Ridge U1, U2, U3, U4, U5

Item No. C1,C2,C3,C4,C5



Legend

-  Treatment Area
-  Existing Roads
-  Unknown Access
-  Trails
-  Streams
-  Gate
-  Helispot



1:17,000

ITEM A UNIT DESCRIPTION

ALL WRC SHALL TARGET MICROSITES PER Clause 3-21.1, 3-22.1

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
											T/acre by Unit					
A1	Lewis	T15N-5W,25,36	4th of July U1	296-546	42	DF WRC	1+1 P+1	300 60	12,600 2,520	15,120	360	C	11 X 11 random	X	PCP1-1	
A2	Lewis	T15N-5W,25,36	4th of July U2	343-515	16	DF WRC	1+1 P+1	300 60	4,800 960	5,760	360	C	11 X 11	X	PCP1-1	
A3	Lewis	T15N-5W,25	4th of July U4	316-411	7	DF WRC	1+1 P+1	300 60	2,100 420	2,520	360	C	11 X 11	X	PCP1-1	
A4	Lewis	T15N-5W,25	4th of July U5	463-517	2	DF WRC	1+1 P+1	300 60	600 120	720	360	C	11 X 11	X	PCP1-1	
A5	Lewis	T15N-5W,25	4th of July U6	389-459	2	DF	1+1	350	700	700	350	C	11 X 11	X	PCP1-1	
A6	Lewis	T15N-5W,25	4th of July U7	439-483	1	DF	1+1	360	360	360	360	C	11 X 11	X	PCP1-1	
A7	Lewis	T14N-5W,14,23	Cowboy Up U1	797-1436	97	DF WRC	1+1 P+1	300 50	29,100 4,850	33,950	350	C	11 X 11	X	N/A	
A8	Lewis	T14N-5W,15	Cowboy Up U2	1264-1737	48	DF WRC	1+1 P+1	350 50	16,800 2,400	19,200	400	C	10.5 X 10.5	X	N/A	
A9	Lewis	T14N-5W,15	Cowboy Up U3	1305-1483	8	DF WRC	1+1 P+1	350 50	2,800 400	3,200	400	C	10.5 X 10.5	X	N/A	
A10	Lewis	T14N-5W,15	Cowboy Up U4	1478-1687	12	DF WRC	1+1 P+1	350 50	4,200 600	4,800	400	C	10.5 X 10.5	X	N/A	
A11	Lewis	T14N-5W,22,23,26,27	Watz Ina Name U2	783-1650	77	DF WRC	1+1 P+1	300 60	23,100 4,620	27,720	360	C	11 X 11	X	N/A	
A12	Lewis	T14N-4W,25,36	Pole-Tential	265-530	75	DF	1+1	435	32,625	32,625	435	C	10 X 10	X	PCP1-1	

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average T/acre by Unit	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
A13	Lewis	T15N-5W,34,35	Face Plant	421-999	95	DF WRC	1+1 P+1	350 50	33,250 4,750	38,000	400	C	11 X 11	X	PCP1-1	
A14	Pacific	T12N-8W,3,4	Hot Saw U-2	522-1364	65	DF WRC	1+1 P+1	300 50	19,500 3,250	22,750	350		12 X 12			
A15	Pacific	T13N-7W,22,27	Moonwalker U-2	451-645	24	RA	P+1/2	540	12,960	12,960	540	C	N/A			
A16	Pacific	T13N-7W,3,4	St Paul Grade U-1	336-732	45	DF WRC	1+1 P+1	350 85	15,750 3,825	19,575	435		11 X 11			
A17	PAC	T13N-7W,2,3	St Paul Grade U-2	349-767	44	DF WRC	1+1 P+1	350 85	15,400 3,740	19,140	435		11 X 11			
A18	PAC	T13N-7W,2,3,11	St Paul Grade U-3	278-702	65	DF	1+1	435	28,275	28,275	435		10 X 10			
A19	Lewis	T11N-3E,17,20	After Hours U-1	1535-1776	40	DF WRC	1+1 P+1	350 50	14,000 2,000	16,000	400		11 X 11			
A20	Lewis	T11N-3E,20	After Hours U-2	1501-1665	8	DF WRC	1+1 P+1	350 100	2,800 800	3,600	450		11 X 11			
A21	Lewis	T11N-3E,20	After Hours U-3	1538-1692	15	DF WRC	1+1 P+1	350 100	5,250 1,500	6,750	450		11 X 11	X	Other	
A22	Lewis	T11N-3E,17	Happy Camp HWD U1	1623-1681	16	DF	1+1	400	6,400	6,400	400		10.5 X 10.5			
A23	Lewis	T11N-3E,20	Happy Camp HWD U2	1645-1874	13	DF	1+1	400	5,200	5,200	400		10.5 X 10.5			
A24	Lewis	T12N-3W,16	King of Queens	311-528	69	DF	1+1	400	27,600	27,600	400	C	10.5 X 10.5	X	PCP1-1	
A25	Lewis	T13N-3W,21	Penning To Go U1	637-735	16	DF	1+1	400	6,400	6,400	400		10.5 X 10.5		Walk-In U1	

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Average T/acre by Unit	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
A26	LW	T13N-3W,21	Penning To Go U2	677-802	6	DF	1+1	400	2,400	2,400	400		10.5 X 10.5			
A27	LW	T11N-3E,13,24 T11N-4E,18	Lost N Found U1	2184-2648	80	DF NF	1+1 P+1	350 100	28,000 8,000	36,000	450		11 X 11			
A28	LW	T11N-3E,13,14	Lost N Found U2	1921-2297	30	DF NF	1+1 P+1	350 100	10,500 3,000	39,150	450		10 X 10			
					57	DF	1+1	450	25,650				10 X 10			
A29	LW	T12N-3W,24	Joker Interplant	600-855	31	DF	1+1	150	4,650	4,650	150		17 X 17	X	786 Master	

Item A Totals:

Total Acres: 1106

Total Trees: 441,525

Avg Trees/Acre: 399

Total Trees by Species/Stock Type:

DF	1+1	380,810
WRC	P+1	36,755
RA	P+1/2	12,960
NF	P+1	11,000
sum check:		441,525

ITEM B UNIT DESCRIPTION

ALL WRC SHALL TARGET MICROSITES PER Clause 3-21.1, 3-22.1

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total	Average	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
										Trees by Unit	T/acre by Unit					
B1	Cowlitz	T10N-R1E,36	North Johnson U1 IP	600-1000	19	DF	1+1	150	2,850	2,850	150	C	17 X 17	X	LAD	interplant- plt 2007
B2	Cowlitz	T10N-R1E,25,36	North Johnson U2 IP	700-1000	21	DF	1+1	250	5,250	5,250	250	C	13 X 13	X	LAD	interplant- plt 2007
B3	Cowlitz	T9N-R3E,6	2700 RD U2 Regen IP	2000-2700	67	DF	1+1	150	10,050	10,050	150		17 X 17	X	LAD	interplant- plt 2007
B4	Cowlitz	T10N-R3E,31	2700 RD U5 Regen IP	1100-1400	23	DF	1+1	150	3,450	3,450	150		17 X 17	X	LAD	interplant- plt 2007
B5	Cowlitz	T6N-R2E,20	Bouldegalis U1 IP	1400-2000	18	DF	1+1	250	4,500	4,500	250	C	13 X 13			Walk-In
B6	Cowlitz	T6N-R2E,20	Bouldegalis U2 IP	1400-2000	37	DF	1+1	250	9,250	9,250	250	C	13 X 13			Walk-In
B7	Cowlitz	T6N-R2E,17,20,21	Bouldegalis U3 IP	1400-1700	10	DF	1+1	250	2,500	2,500	250	C	13 X 13			
B8	Cowlitz	T6N-R2E,27,28	Loose Marbles IP	900-2100	81	DF	1+1	200	16,200	16,200	200		15 X 15	X	786	interplant- plt 2006
B9	Cowlitz	T6N-R2E,18,19	Tower	1600-2900	46 22	DF DF NF	1+1 1+1 P+1	400 200 350	18,400 4,400 7,700	30,500	449	C	10.5 X 10.5 10 X 10			
B10	Cowlitz	T6N-R2E,18	Big Rock U2 IP	1900-2400	15	DF WRC	1+1 1+1	200 100	3,000 1,500	4,500	300	CR	12 X 12			interplant- plt 2004 CR=Chemical Release
B11	Cowlitz	T6N-R1E,34	Deciduous Delight U2A	1000-1300	14 2	DF DF WRC	1+1 1+1 P+1	400 200 200	5,600 400 400	6,400	400	C	10.5 X 10.5 10.5 X 10.5			
B12	Cowlitz	T6N-R1E,27,34	Deciduous Delight U2	900-1300	5 12	DF WRC RA	1+1 1+1 1+1	400 40 540	2,000 200 6,480	8,680	511	C	10 X 10 9 X 9			
B13	Cowlitz	T6N-R1E,26	Deciduous Delight U1	900-1500	50 6	DF DF WRC	1+1 1+1 P+1	400 200 200	20,000 1,200 1,200	22,400	400	C	10.5 X 10.5 10.5 X 10.5			

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Total T/acre by Unit	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
B14	Cowlitz	T7N-R1E,14,23	Sea Biscuit	800-1400	70	DF	1+1	400	28,000	28,000	400	C, M	10.5 X 10.5	X	LAD	
B15	Cowlitz	T6N-R2E,19,30	Moon U1 IP	1200-2000	55	DF	1+1	200	11,000	11,000	200	C	15 X 15			interplant- plt 2006
B16	Cowlitz	T10N-R2W,8,17	Casey Outbreak U8	650-800	38	RA	P+1/2	540	20,520	20,520	540	C,M	9 X 9			
B17	Cowlitz	T10N-R2W,17	Casey Outbreak U10	550-800	14	RA	P+1/2	540	7,560	7,560	540	C,M	9 X 9			
B18	Cowlitz	T10N-R2W,18	Casey Outbreak U11	950-1100	18	RA	P+1/2	540	9,720	9,720	540	C,M	9 X 9			
B19	Wahkiakum	T10N-R5W,24	Adverse U2	550-1200	49	DF	1+1	350	17,150	19,600	400	C	10.5 X 10.5			
						PSF	1+1	10	490							
						WRC	P+1	40	1,960							
B20	Wahkiakum	T10N-R5W,24	Adverse U3	500-1100	40	DF	1+1	350	14,000	16,000	400	C	10.5 X 10.5			
						PSF	P+1	10	400							
						WRC	P+1	40	1,600							
B21	Wahkiakum	T10N-R5W,25	Adverse U4	450-650	12	RA	P+1/2	540	6,480	6,480	540	C, M	9 X 9			
B22	Wahkiakum	T10N-R5W,25,26	Adverse U5	400-750	81	RA	P+1/2	540	43,740	43,740	540	C, M	9 X 9			
B23	VOID															
B24	VOID															
B25	Wahkiakum	T8N-R5W,9,16	Smooth U2 IP	1450-1500	5	WH	P+0	300	1,500	1,500	300	M	12 X 12			interplant- plt 2007
B26	Wahkiakum	T8N-R5W,9,16	Smooth U1 IP	1350-1450	2	WRC	P+1	300	600	600	300	M	12 X 12			interplant- plt 2007
B27	Cowlitz	T9N-R4W,29,32	Wannigan U1 IP	650-750	2	WRC	P+1	360	720	720	360	C, M	11 X 11			interplant- plt 2007
B28	Wahkiakum	T9N-R5W,23,24	Mill CR #3 IP	750-1000	5	DF	1+1	360	1,800	1,800	360	M	11 X 11			interplant- plt 2007

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by Species	Total Trees by Species	Total Trees by Unit	Total T/acre by Unit	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
B29	Wahkiakum	T9N-R5W,26,35	Derailleur IP	900-1100	5	WRC	P+1	300	1,500	1,500	300	M	12 X 12			interplant- plt 2007
B30	Wahkiakum	T10N-R4W,19	Adverse U1 IP	1400-1800	34	DF	1+1	150	5,100	5,100	150	C	17 X 17			interplant- plt 2007
B31	Cowlitz	T9N-R4W,3	Long Jump U1 IP	1250-1800	40	DF	1+1	150	6,000	6,000	150	M	17 X 17			interplant- plt 2007
B32	Skamania	T3N-R6E,33	Upper Sibley VDT U11	1800-2000	6	DF	1+1	160	960	2,460	410	C, M	10.5 X 10.5		PCP1-1	
						WRC	P+1	200	1,200							
						GF	P+0	50	300							
B33	Skamania	T3N-R6E,32,33	Upper Sibley VDT U12	1700-2200	26	DF	1+1	160	4,160	10,660	410	C, M	10.5 X 10.5		PCP1-1	
						WRC	P+1	200	5,200							
						GF	P+0	50	1,300							
B34	Cowlitz	T6N-R3E,4,5,8,9	Rusty Nail U1	1600-2100	60	DF	1+1	400	24,000	27,000	450	C, M	10 X 10	X	PCP1-1	gate on 6658-A
						WRC	P + 1	50	3,000							
B35	Cowlitz	T6N-R3E,5	Spinnaker Run	1700-2400	65	DF	1+1	400	26,000	29,250	450	C,M	10 X 10	X	LAD	gate on N-6600
						NF	P+0	50	3,250							

Item B Totals:

Total Acres: 1075

Total Trees: 375,740

Avg Trees/Acre: 350

Total Trees by Species/Stock Type:		
DF	1+1	247,220
WRC	P+1	19,080
WH	P+0	1,500
PSF	P+1	890
RA	P+1/2	94,500
GF	P+0	1,600
NF	P+1	7,700
NF	P+0	3,250
sum check:		375,740

ITEM C UNIT DESCRIPTION

ALL WRC SHALL TARGET MICROSITES PER Clause 3-21.1, 3-22.1

Item #	County	Legal	IP = interplant Fmu Name	Elevation	Acres	Species	Stock Type	T/acre by	Total	Total	Total	Site Prep Type	Approx. Spacing	Gate	Key #	Notes
								Species	Trees by Species	Trees by Unit	T/acre by Unit					
C1	Wahkiakum	T10N-R6W,25,26,35,36	Falk Ridge U1	250-1000	118	DF	1-1	300	35,400	51,920	440	C	10 X 10	N/A	N/A	
						WRC	P+1	140	16,520							
C2	Wahkiakum	T10N-R6W,25,26	Falk Ridge U2	300-900	23	DF	1-1	300	6,900	10,120	440	C	10 X 10	N/A	N/A	
						WRC	P+1	140	3,220							
C3	Wahkiakum	T10N-R6W,25,26	Falk Ridge U3	350-950	38	DF	1-1	300	11,400	16,720	440	C	10 X 10	N/A	N/A	
						WRC	P+1	140	5,320							
C4	Wahkiakum	T10N-R6W,25	Falk Ridge U4	500-1000	22	DF	1-1	300	6,600	9,680	440	C	10 X 10	N/A	N/A	
						WRC	P+1	140	3,080							
C5	Wahkiakum	T10N-R6W,36	Falk Ridge U5	150-250	4	DF	1-1	300	1,200	1,760	440	C, M	10 X 10	N/A	N/A	
						WRC	P+1	140	560							

Item C Totals:

Total Acres: 205

Total Trees: 90,200

Avg Trees/Acre: 440

Total Trees by Species/Stock Type:

DF	1+1	61,500
WRC	P+1	28,700
sum check:		90,200