

STATE OF WASHINGTON



Department of Natural Resources
Pacific Cascade Region
P.O. Box 280
Castle Rock, WA 98611
Phone: 360-577-2025
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REQUEST FOR BID

2009 HELICOPTER APPLICATION OF
HERBICIDE AS A LATE FOLIAR TREATMENT

(Please return bids to the above address)

BID Number
1239

Due Date & Time
July 7, 2009 2:00 PM PST

Contract Administrator:

Chris Rasor
Pacific Cascade Intensive Management Specialist
Phone: 360-575-5058 Cell: 360-880-8288
Fax: 360-274-4196

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1 ANNOUNCEMENT AND SPECIAL INFORMATION

Bidders are required to read and understand all information contained within this entire bid package. The Competitive Procurement Standards, which are referred to in this bid package are not automatically printed or sent out with this Request for Bid. By responding to this Request for Bid the Bidder agrees to read and understand these documents. These documents are available online at: <http://www.ga.wa.gov/business/cps.htm>.

In support of the State's economic and environmental goals, we encourage you to consider the following elements in responding to our bids. These are not a factor of award (unless otherwise specified in this document):

- Using environmentally preferable products and products that exceed EPA guidelines.
- Supporting a diverse supplier pool, including small, minority, and women-owned firms.
- Featuring products made or grown in Washington.

1.1 PUBLIC DISCLOSURE

Bid information, including Price sheets, will not be available for public disclosure until after award of the contract. At the time of bid opening, only the name of the Bidder and time of bid receipt will be read aloud.

1.2 SCOPE

A. PURPOSE

The purpose of this Request for Bid is for the purchase of helicopter application of herbicide as a late foliar treatment to (all numbers are approximate) 1,242 acres of forest plantations in Pacific Cascade Region, projected time frame is July 27, 2009, or date of award, whichever is later, through August 28, 2009.

B. PURCHASER

The primary purchaser will be the Washington State Department of Natural Resources (WDNR).

C. DELIVERY

Delivery is of the essence and may be a factor in award. Bidder must be ready to begin application and have the herbicide in their possession and ready for use at least seven (7) calendar days before the effective start date stated in the scope (See 1.2.A).

D. BID EVALUATION

Bid evaluation and award criteria can be found in the section entitled Bid Evaluation. The DNR anticipates it will take seven (7) calendar days after the bid opening date to make an award (assuming an award is made). In the event an award decision takes longer than the anticipated seven (7) calendar days the project time frames will be adjusted day-for-day.

2 CHECK LIST

This checklist is provided for Bidder's convenience only and identifies the bid documents that are to be submitted with the bid package. Any bid packages received without these documents may be rejected:

- Bid Submittal entitled: Offer and Award - Signed (5.1) _____
- Bid Submittal entitled: Bidder Information - Initialed (5.2) _____
- Bid Submittal entitled: Specifications - Initialed (5.3) _____
- Bid Submittal entitled: Unit Descriptions - Initialed (5.4) _____
- Bid Submittal entitled: Required Herbicides and Misc. Notes - Initialed (5.5) _____
- Bid Submittal entitled: Price Sheet - Initialed (5.6) _____
- Bid Submittal entitled: References - Initialed (5.7) _____

Bid submittals to be returned after award:

The following documents need not be returned with bid submission; however, Contractor will be required to submit such documents prior to beginning work as required by the Contract Administrator.

1. Certificate of Insurance.
2. Letter of certification of the aircraft(s) registration with the Department of Licensing and pilot(s) registration with the Division of Aeronautics.
3. Any other documents required herein.

3 BID EVALUATION

3.1 EVALUATION / AWARD

Should this Request for Bid result in an award then: In conjunction with the Competitive Procurement Standards, Section III, Paragraph 28, Award Factors, Request for Bid evaluation and possible resulting award shall be to the least expensive responsible and responsive Bidder. Evaluation and award shall be on an all-or-none basis to assure compatibility and/or efficiency in the award. Evaluation of pricing will be based on the chemical rate per acre plus the application rate per acre to arrive at a total rate per acre. The total rate per acre will be multiplied by the approximate acres for an item extended line total. Each individual extended line item total will be added together to arrive at an all-or-none total. Only one award will be made. Washington State sales tax, or use tax (if required) shall be excluded from all submitted bids. Contractors may invoice the DNR for reimbursement of sales tax, or use tax (See 5.3.E.2).

3.2 EVALUATION CONFERENCE

To aid in the evaluation process, after bid opening, the DNR may require individual Bidders to appear at a date, time, and place determined by the DNR for the purpose of conducting discussions to determine whether Bidders have a full and complete understanding of the nature and scope of contractual requirements, including the resources necessary to successfully fulfill all contractual requirements within the allotted time frame stated in the scope (See 1.2.A). In no manner shall such action be construed as negotiations or an indication of the DNR's intention to award.

4 SPECIAL TERMS AND CONDITIONS

4.1 SPILL CLEAN-UP

The supplier shall be responsible for spillage caused by their negligence, which occurs during transit or unloading operations. The supplier shall immediately report and clean up any spillage. Upon failure to do so, the supplier shall remain responsible for all actual related costs.

4.2 MATERIALS AND WORKMANSHIP

The Bidder shall be required to furnish all materials, equipment and/or services necessary to perform contractual requirements. Materials and workmanship in the construction of equipment for this contract shall conform to all codes, regulations and requirements for such equipment, specifications contained herein, and the normal uses for which intended. Materials shall be manufactured in accordance with the best commercial practices and standards for this type of equipment.

4.3 ESTABLISHED BUSINESS

To be considered responsive, Bidder must, prior to commencing performance, or prior to that time if required by law or regulation (reference WAC Chapter 18.27), be an established business firm with all required licenses, bonding, facilities, equipment and trained personnel necessary to perform the work as specified in the bid solicitation. All Bidders must have Federal Tax Identifier Number as required by IRS regulations and Uniform Business Identifier Number required by Department of Revenue (800) 647-7706. Questions regarding specific licenses should be directed to Department of Licensing at (360) 664-1400. The state reserves the right to require proof of said requirements including business references within ten (10) calendar days from the date of request.

4.4 BIDDER COMPLIANCE

The DNR reserves the right to consider the actual level of Bidder's compliance with the requirements specified in this Request for Bid, and to consider a bid responsive if it substantially complies with the DNR's intent relative to overall bid requirements and specifications.

4.5 QUESTIONS AND INQUIRIES

This Request for Bid is time sensitive and does not involve a pre-bid meeting. It is to your benefit to immediately review the document and ask questions (if any) as soon as possible. All questions related to this Request for Bid shall be directed to the Contract Administrator identified on the front page. Inquiries shall be in writing and shall reference the appropriate section and paragraph number. Questions received less than ten (10) calendar days prior to bid opening may not be considered. Only questions answered by written amendment are binding. Oral interpretations have no legal effect. Unofficial communication streams are not binding and at your own risk.

5 BID SUBMITTALS

5.1 OFFER AND AWARD

Bidders are required to read and understand all information contained within this entire bid package. There are some standard documents, which are referred to in this bid package that are not automatically printed or sent out with this bid. For example, Competitive Procurement Standards (Standard Terms and Conditions, Instructions to Bidders, Definitions), Sales/Service and Subcontractor Report are binding terms of this contract. It is important that you read and understand these documents. These documents are available online at:

<http://www.ga.wa.gov/Business/cps.htm>

- STANDARD DEFINITIONS** (revised 06/02/03)
- STANDARD INSTRUCTIONS FOR BIDDERS** (revised 06/02/03)
- STANDARD TERMS AND CONDITIONS** (revised 03/09/06)

Bidder further offers to furnish materials, equipment or services in compliance with all terms, conditions, and specifications herein including all amendments. Submitting this document with an authorized signature constitutes complete understanding and compliance with the terms and conditions and certifies that all-necessary facilities or personnel are available and established at the time of bid submittal.

(Company Name)	(Typed or Printed Name)
(Address)	(Title)
(City) (State) (Zip)	(Phone No.)
(Federal Tax Identification Number)	FAX
Email	(Bidder's Signature) (Date)

AWARD- Authorized Signatures
(For State of Washington Use Only)

A contract is hereby awarded between the above company and the State of Washington, Department of Natural Resources, to be effective _____, 2009.

Contract Administrator	Date	Region Manager	Date
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5.2 BIDDER INFORMATION

Bidder shall complete the following:

1. Authorized Representative(s):

Primary Contact:	Secondary Contact:
Name: _____	Name: _____
Address: _____	Address: _____
Telephone: _____	Telephone: _____
Fax: _____	Fax: _____
Email: _____	Email: _____

2. Bidder Address(s):

Billing will be from:	Payment to be sent to:
Name: _____	Name: _____
Address: _____	Address: _____
Telephone: _____	Telephone: _____
Fax: _____	Fax: _____
Email: _____	Email: _____

Bidder's Company Name: _____ Bidder's Initials: _____

5.3 SPECIFICATIONS

A. DEFINITIONS

DNR: The Washington State Department of Natural Resources

CONTRACTOR: The person, partnership or corporation to whom the contract is awarded.

CONTRACT ADMINISTRATOR: The DNR employee who is primarily responsible for all aspects of contract administration.

OFFICIAL COMMUNICATION STREAM: Any request, question, inquiry, communication, etc. prior to an actual award will be routed through the Contract Administrator. The Bidder shall operate at their own risk if they rely on any additional information, assertions, promises, implications, etc. made to the Bidder by anyone else other than the Contract Administrator. After the actual award is made (if at all) the official communication point shall be the Contract Administrator unless a contract provision specifically designates a different point of contact. In the event of problems/disputes the successful Bidder shall contact the Contract Administrator within a short and reasonable time. This definition shall also act as a contract provision and applies to all parts of the Request for Bid.

B. LEGAL RESPONSIBILITIES

1. The Contractor shall assume full responsibility for the safety of his employees, equipment and supplies.
2. The Contractor shall furnish his crew with adequate safety clothing, according to General Safety and Health Standards WAC 296-800-160, including boots, coveralls, hats and gloves for handling the type of chemical being applied.

C. PILOT AND AIRCRAFT REQUIREMENTS

1. All pilots shall be registered with the Washington State Department of Transportation, Division of Aeronautics.
2. All aircraft shall be registered with the Department of Licensing.
3. Before commencing work, the Contractor shall supply to the Contract Administrator a letter of certification of the aircraft(s) registration with the Department of Licensing and pilot(s) registration with the Division of Aeronautics.

Bidder's Company Name: _____ Bidder's Initials: _____

4. Pilot(s) and aircraft(s) shall be available for inspection and/or flight check by the Division of Aeronautics and/or the DNR prior to and at any time during the current agreement period.
5. The Contractor shall furnish the necessary pilot(s) and mechanics to provide the services to be rendered herein without unjustified delay. The Contractor shall maintain necessary pilot(s), ground support crew(s) and equipment with each aircraft during the periods called for under this contract, and they shall be familiar with the terrain within the assigned treatment zone and generally familiar with the terrain and requirements for flight operations in the State of Washington. Pilot(s) shall be capable of cross-country navigation within the State.

D. FLIGHT DUTY LIMITATIONS

Aircraft pilots will be limited to the following tours of duty and flight hours:

1. Flight time shall not exceed a total of seven (7) hours per day.
2. Pilots accumulating thirty (30) or more hours of flying in any six (6) consecutive days will be off duty the following full calendar day.
3. A duty day is any day a flight is made, or four (4) hours or more of other duty is performed. Pilots must have a minimum of ten (10) consecutive hours off duty within twenty-four (24) hours after the beginning of any duty day.

The DNR may waive the "consecutive" requirement so that pilots flying such missions as aerial application may have two (2) shorter off duty periods, providing they aggregate to ten (10) hours or more.

5. Duty includes flight time and ground duty of any kind.
6. During any fourteen (14) consecutive days, pilots will be off duty for two (2) full calendar days; however, off-duty days need not be consecutive.
7. Combined fixed wing/helicopter operations shall have the same limitations as for helicopter operations.
8. Flight time is not entirely reliable as a gauge of accumulative pilot fatigue. Sound judgment is essential in administering aerial operations to provide maximum safety.
9. Pilots shall have experience as pilot in command during flight at low altitude over rough and mountainous terrain. They shall have the following minimum qualifications for type of aircraft used in this contract.

Bidder's Company Name: _____ Bidder's Initials: _____

<u>EXPERIENCE</u>	<u>HELICOPTER FLIGHT HOURS</u>
a. Total flight time as pilot in command.	1,000
b. Minimum flight time in type or weight class used in the contract.	100
c. Minimum flight time during the preceding 12 months.	100
d. Minimum flight time disseminating aerial spray in mountainous terrain.	200

E. PAYMENT AND INVOICING

1. All invoices shall separately itemize the price of the helicopter application and the price of the chemical, at prices specified on the Price Sheet for each Bid Item (See 5.6). If chemical is a tank mix of more than one chemical, the total price for the combined chemical shall be listed for each Bid Item.
2. Washington State sales tax or “use tax” (if applicable) is only owed to the Washington Department of Revenue on the chemical and not on the helicopter application of the chemical. Contractors may include Washington State sales tax for the applied chemical on invoices. Sales tax shall be included as a separate payment item, listed separately for each Bid Item.
3. Billing invoice forms will be signed by the Contractor and the Contract Administrator upon completion of the units treated. Payment will be based on each Bid Item’s unit prices multiplied by the number of acres actually treated, less L&I Retainage (below).
4. Washington State Department of Labor and Industry (L&I) Retainage
 - a. One percent (1%) of all payments due Contractors who employ workers shall be retained by DNR as security for L&I industrial insurance premiums owed for their workers.
 - b. Upon determination that Contractor has met all financial obligations for industrial insurance premiums related to the Bid Item(s) of this contract, the one percent (1%) retainage will be returned to the Contractor.

Bidder’s Company Name: _____ Bidder’s Initials: _____

F. EQUIPMENT, SUPPLIES AND APPLICATION REQUIREMENTS

All contract work shall be consistent with herbicide labeling and the Forest Practices Application/Notification as approved. If determined by the DNR's representative that an individual requirement of this section cannot be applied consistent with current herbicide labeling and/or Forest Practices, the herbicide label and/or the Forest Practices Application/Notification shall prevail.

1. Equipment and Supplies

- a. The Contractor shall furnish all flying, spraying and mix-truck equipment. Helicopters shall be equipped with a spray system capable of applying herbicide at rates specified. Spray apparatus shall be readily adjustable in the field and have a leak proof distribution system with positive shutoff.
- b. Helicopters shall be of the Bell 206 class or smaller and capable of carrying at least eighty (80) gallons of mix at all elevations.
- c. Nozzles shall be Accu-Flo™ .028, 64 tube radial nozzles designed to produce high volume droplets of uniform size, as approved by the Contract Administrator.
- d. To help reduce drift, nozzles shall be oriented down at either a 45-degree angle or horizontal to the air stream.
- e. The helicopters shall be equipped with a Global Positioning System (GPS) device to track/mark each flight strip and buffer area(s). The GPS device must have the capability to export files at suitable map scale(s) for print-out and review by project administrator, if so requested. Flight data shape files and/or a print-out of flight lines shall be made available to the Contract Administrator within twenty-four (24) hours of completion of a unit, when requested. See clause 4.a.1 page 14 for units requiring application maps.
- f. The Contractor shall furnish a mix-truck of 2,000 gallons minimum capacity with each helicopter. For release units the Contractor shall have an additional 2,000 gallon water hauling capability when requested. The mix-trucks shall:
 1. Have positive, continuous agitation system(s).
 2. Be equipped so the chemical can be transferred from barrel to mix-truck in measured quantities using a metered pump. Bucket transferring of chemical will not be permitted.

Bidder's Company Name: _____ Bidder's Initials: _____

3. Be equipped to effectively batch single-flight loads of chemical: This requires a mixing tank of 500 gallons or less, with positive, continuous agitation capability.

g. If requested, a description of the helicopters, nozzles and mix-trucks to be used for contract work shall be furnished to the Contract Administrator prior to contract award.

h. The Contractor shall furnish all herbicide, carrier and additives required for treatment as specified in the Unit Descriptions.

1. Generic herbicides containing identical active ingredient percentages to those specified in the Unit Descriptions may be substituted for brand-name herbicides as follows:

Trade Name Herbicide:

Approved Substitute:

Accord Concentrate (clause 5.5 #1)

Foresters' EPA # 228-381

2. Drift control agent quantities are estimated in the Unit Description spreadsheet for bidding purposes. Up to the total amount shown in the Unit Description spreadsheet may be required depending on weather conditions. See acres requiring drift control additive in the Unit Description spreadsheet for estimates of required drift control acres.

2. All costs of materials, operation and maintenance not specifically furnished by the DNR, under part G1 below, shall be borne by the Contractor.

3. The Contractor will be responsible for all containment, neutralization, clean-up, disposal, associated costs, and other measures as may be required to respond to a fuel, chemical or pesticide spills.

4. Application

a. Prior to treatment the Contractor will determine flight patterns for disseminating the spray mix such that the maximum treatable area of the unit is treated with the prescribed application rate. The flight patterns must be acceptable to the DNR.

b. Application of spray shall not be made into streams containing water, lakes or ponds. Buffer strips adjacent to streams, lakes and ponds, as

Bidder's Company Name: _____ Bidder's Initials: _____

designated by the Contract Administrator, shall be left unsprayed. A drift control additive may be required to help establish the unsprayed buffer.

- c. Weather Guidelines for applications are as follows:
 - 1. **Temperature:**
Esters - 70 degree F maximum. Others - 85 degree F maximum.
 - 2. **Humidity:**
Esters - 50% minimum Others - 40% minimum.
 - 3. **Moisture:**
Plants can have dew on leaf surfaces. Wait one hour after rainfall terminates to allow some drying of leaf surfaces.
 - 4. **Wind:**
5 mph maximum or as specified by the herbicide label.
- d. The DNR reserves the right to determine if weather conditions are suitable for spraying operations. The Contractor shall cease spraying if the DNR determines weather conditions are unsuitable.
- e. Spraying will be performed at a height of approximately twenty-five (25) feet above tree tops and at a constant speed of not less than thirty-five (35) miles per hour, nor more than fifty-five (55) miles per hour.
- f. The application rate of spray mix shall be ten (10) gallons of total solution evenly distributed per acre. The total solution applied per acre shall include herbicide and carrier as specified in the Unit Descriptions.
- g. No-Fly Zones:**
The following units in item 1 have flight restrictions due to proximity to wildlife habitat: Silver Springs Unit 1, Unit 2.
The following flight restrictions must be adhered to when flying these units: No flights over the no-fly zone indicated on the unit maps south of the heliports and treatment areas.

Bidder's Company Name: _____ Bidder's Initials: _____

5. On site, single-flight load batching shall be the method of preparing herbicide mixes for all units. This method of batching may be modified by the Contract Administrator if mutually agreed to at a pre-work conference. The Contractor must have the ability to effectively batch single-flight loads of chemical (See 5.3.F.1.f.3).

G. WORK RESPONSIBILITIES AND SCHEDULING

1. The DNR shall furnish or supply:
 - a. Maps, aerial photos and other data necessary for orientation of each pilot.
 - b. A representative to acquaint each pilot with each unit to be sprayed delineating boundaries of units and buffer strips adjacent to streams and open water to be left unsprayed.
 - c. Licensed personnel to supervise the measuring of correct chemical concentrations.
 - d. Suitable heliports and access roads. Heliports and roads shall be inspected by the Department of Natural Resources between one (1) month and one (1) week prior to contractor arrival. All heliport and road maintenance shall be completed at this time.
 - e. Delivery assistance for additional water, when available and practicable, to maximize the application operation during favorable flying weather.
2. Bidders are expected to examine this entire Request for Bid and to consider the scattered and intermittent conditions of the work.
3. A separate per acre bid for each Bid Item shall be entered on the price sheet using the information from the unit descriptions.
4. To be acceptable the work schedule must occur within a Bid Item's treatment window. The anticipated treatment window(s) are listed separately for each Bid Item in the Unit Descriptions. The DNR will determine the actual treatment window by assessing the current physiological condition of the plant species to be treated and considering the effect of time and the projected weather trend on it. The department will reset or confirm a treatment window at least one week in advance of the anticipated treatment window's start date.

H. DELAY DUE TO FORCE MAJEURE

Due to the nature of the work involved in this contract, any delay incurred due to Force Majeure may not, at the option of the DNR, be compensated for by a contract extension.

Bidder's Company Name: _____ Bidder's Initials: _____

The DNR must retain the right to determine if the season or growth conditions permit or exclude any extension of the contract. This determination of the feasibility of a contract extension shall remain the sole prerogative of the DNR and the Contractor must plan to accomplish all work under this contract within the time stated. The Contractor in planning and scheduling the work must include time lost due to weather conditions. Weather conditions during the contract period are variable and will exclude the application of herbicides for an unknown number of days.

I. EXEMPTIONS

In the event requirements of the State Environmental Protection Act as amended, or the Forest Practices Act as amended cannot be satisfied, the DNR reserves the right to cancel any and all of this contract and shall not be held liable for expenses or inconveniences suffered by the Contractor.

J. SALES TAX

Washington State sales tax, or use tax (if required) shall be excluded from all submitted bids. Contractors may invoice the DNR for reimbursement of sales tax, or use tax (See 5.3.E.2).

K. SKIPS

Including but not limited to any other claim/theory of contract breach/contract damages, a “skip” is defined as an unsatisfactorily treated acreage. The value of a skip shall be calculated at the per acre bid price for that Bid Item multiplied by the number of unsatisfactorily treated acres.

Bidder's Company Name: _____ Bidder's Initials: _____

5.4 UNIT DESCRIPTION SPREADSHEET

ITEM NO. 1

SITE PREPARATION

ANTICIPATED TREATMENT WINDOW: July 27, 2009 to August 28, 2009

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 1	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 1	TOTAL ITEM 1 ACRES
Accord Concentrate or Foresters'	48 oz	399 gallons	Syl-Tac, Dyne-amic	5 oz	5,315 oz	1,063
Chopper GEN2	24 oz	199 gallons	Both			
Oust Extra	4 oz	4,252 oz	Allowable			
OR						
Accord Concentrate Or Foresters'	48 oz	399 gallons	Syl-Tac or Dyne-amic	10 oz	10,630 oz	
**Lineage Prep	16 oz	1,063 lbs	Both Allowable			

COMMENTS: Call Chris Rasor at 360.880.8288 if there are questions regarding this item.

NOTE: *Silver Springs units have a no-fly zone south of the helispot and treatment areas.

**Chopper GEN 2 and Oust Extra may be substituted by using 16 oz/ac of Lineage Prep tank mixed with 48 oz per acre of Accord Concentrate or Forester's. If using Lineage Prep, 10 oz per acre of adjuvant is required.

Bidder's Company Name: _____ Bidder's Initials: _____

ITEM NO. 2**SITE PREPARATION**

ANTICIPATED TREATMENT WINDOW: July 27, 2009 to August 28, 2009

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 2	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 2	TOTAL ITEM 2 ACRES
Accord Concentrate or Foresters'	48 oz	28 gallons	MSO or Hasten	1 gallon	75 gallons	75
Chopper GEN2	48 oz	28 gallons	Both			
Oust Extra	4 oz	300 oz	Allowable			

COMMENTS: Call Chris Razor at 360.880.8288 if there are questions regarding this item. Item 2 is designed to maximize vine maple, woody species control.

ITEM NO. 3**SITE PREPARATION**

ANTICIPATED TREATMENT WINDOW: July 27, 2009 to August 28, 2009

HERBICIDES (See Clause 5.5)	HERBICIDE AMOUNT PER ACRE	TOTAL AMOUNT OF HERBICIDE FOR ITEM 3	ADJUVANT (See Clause 5.5)	ADJUVANT AMOUNT PER ACRE	TOTAL AMOUNT OF ADJUVANT FOR ITEM 3	TOTAL ITEM 3 ACRES
Accord Concentrate or Foresters'	128 oz	104 gallons	Syl-Tac, Dyne-amic	10 oz	1,040 oz	104
Escort XP	1.5 oz	156 oz	Both			
			Allowable			

COMMENTS: Call Chris Razor at 360.880.8288 if there are questions regarding this item. Item 3 is for red alder site preparation

Bidder's Company Name: _____ Bidder's Initials: _____

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County	District	Unit Name	Section	Township	Range	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres	
Grays Harbor	Black Hills	Silver Springs U1	5	16	5	W	306-773	B200905 - N 46° 54' 7.2" W -123° 20' 20.4"	0.0	73	10	
Grays Harbor	Black Hills	Hedge Hog U1	8	16	4	W	318-894	B200901 - N 46° 53' 7.6" W -123° 12' 25.1"	0.3	60	10	
Lewis	Black Hills	Dos U1	18	15	4	W	437-725	B200906 - N 46° 47' 11.7" W -123° 14' 13.1"	0.1	32	10	
Grays Harbor	Black Hills	Silver Springs U2	5	16	5	W	100-700	B200905 - N 46° 54' 7.2" W -123° 20' 20.4"	0.3	50	10	
Lewis	Lewis	Solid Gold U1	20	14	3	W	318-767	L20092 - N 46° 40.844' " W -123° 6.366' "	0.5	67	15	
Lewis	Lewis	Red Panda HWD U1	14	11	2	E	1292-1963	L20097 - N 46° 26.127' " W -122° 30.46' "	0.5	62	20	
Cowlitz	St. Helens	Boomerang	32	6	2	E	800-1600	S200902 - N 45° 58' 20.97" W -122° 35' 16.573"	0.5	66	10	
Cowlitz	Yacolt	Dollar Bill U2	6	6	3	E	1900 - 2500	Y200903 - N 46° 2' 5.3" W -122° 28' 35.2"	0.3	53	10	
Cowlitz	Yacolt	Dollar Bill U3	8	6	3	E	1500 - 2200	Y200904 - N 46° 0' 44.5" W -122° 28' 51.8"	0.7	28	10	
Cowlitz	Yacolt	Dollar Bill U4	11	6	3	E	2000 - 2300	Y200905 - N 46° 0' 59.4" W -122° 23' 56.5"	0.3	15	10	
Cowlitz	Yacolt	Dollar Bill U5	11	6	3	E	1900 - 2000	Y200905 - N 46° 0' 59.4" W -122° 23' 56.5"	0.1	18	10	
Cowlitz	Yacolt	Dollar Bill U6	6	6	4	E	1400 - 1900	Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"	0.0	59	10	
Cowlitz	Yacolt	King Rat U1	32	7	4	E	1400 - 1700	Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"	0.4	36	10	
Cowlitz	Yacolt	King Rat U2	32	7	4	E	1500 - 2000	Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"	0.2	37	10	
Cowlitz	Yacolt	King Rat U3	31	7	4	E	1500 - 2700	Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"	1.0	87	10	
Cowlitz	Yacolt	King Rat U4	8	6	4	E	800 - 1400	Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"	0.8	39	10	
Cowlitz	Yacolt	King Rat U5	6	6	4	E	800 - 1800	Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"	0.4	53	10	
Clark	Yacolt	Iron Chef U1	3	3	4	E	1700 - 2000	Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"	0.4	31	10	
Clark	Yacolt	Iron Chef U2	10	3	4	E	1600 - 2000	Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"	0.8	16	10	
Clark	Yacolt	Iron Chef U5	35	4	4	E	1600 - 2000	Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"	0.7	47	10	
Clark	Yacolt	Iron Chef U6	36	4	4	E	1800 - 2000	Y200908 - N 45° 46' 34.3" W -122° 15' 43.8"	0.3	39	10	
Clark	Yacolt	Cold Creek U1	20	3	4	E	1300 - 1500	Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"	1.1	24	10	
Clark	Yacolt	Cold Creek U4	20	3	4	E	1200 - 1400	Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"	1.2	50	10	
Clark	Yacolt	Cold Creek U5	8	3	4	E	1100 - 1200	Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"	1.8	21	10	
Item 1 Unit Summary:								24	0.5	1,063	255	
		NOTE: No fly zone south of Silver Springs U1, U2							Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials: _____

County	District	Unit Name	Section	Township	Range	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Clark	Yacolt	Type N	12	2	4	E	1400 - 2300	Y200910 - N 45° 40' 36.1" W -122° 16' 12"	0.0	75	10
Item 2 Unit Summary:								1	0	75	10
								Number of Units	Mean	Total	Total

County	District	Unit Name	Section	Township	Range	E/W	Elevation	HP Coordinates	Miles To HP	Spray Acres	Drift Control Acres
Lewis	Lewis	Creek Robber U1	14	14	3	W	479-648	L20091 - N 46° 41.69' " W -123° 1.991'	0.1	14	10
Lewis	Lewis	The Boondocks U3	8	13	6	W	611-766	L20093 - N 46° 37.33' " W -123° 20.179'	0.0	27	10
Lewis	Lewis	The Boondocks U2	8	13	5	W	620-779	L20093 - N 46° 37.33' " W -123° 20.179'	0.2	10	10
Lewis	Lewis	Red Panda Alder	14	11	2	E	1201-1404	L20097 - N 46° 26.127' " W -122° 30.46'	0.5	15	10
Pacific	Lewis	Falls Forks BD U-4	18	13	8	W	460-791	L20095 - N 46° 37.19' " W -123° 43.32'	0.0	38	20
Item 3 Unit Summary:								5	0.2	104	60
								Number of Units	Mean	Total	Total

Bidder's Company Name: _____ Bidder's Initials: _____

5.5 REQUIRED HERBICIDES AND MISCELLANEOUS NOTES

Except as stipulated in Clause 5.3.F.1.h.1, Herbicide Shall Be: (Trade Names in bold are to be used in contract 1239)

1. Glyphosate, N - (phosphonomethyl)glycine, in the form of its isopropylamine salt; 53.8% active ingredient (5.4 pounds per gallon)
Trade name(s) **Accord Concentrate**
2. Glyphosate, N - (phosphonomethyl)glycine, in the form of its isopropylamine salt; 53.8% active ingredient (5.4 pounds per gallon)
Trade name(s) **Foresters'**
3. Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid); 53.1% active ingredient, (4 pounds acid per gallon)
Trade name(s) **Arsenal AC**
4. Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid); 54.5% active ingredient
Sulfometuron methyl {Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino]sulfonyl]benzoate}; 15.3% by weight active ingredient
Metsulfuron methyl Methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoate; 4.1% by weight active ingredient
Trade Name(s): **Lineage Prep**
5. Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid); 26.7% active ingredient
Trade Name(s): **Chopper GEN 2**
6. Sulfometuron methyl {Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino]sulfonyl]benzoate}; 75% by weight active ingredient
Trade name(s): **Oust XP**
7. Sulfometuron methyl {Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]-carbonyl]amino] sulfonyl]benzoate} 56.25% active ingredient: Metsulfuron methyl Methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoate 15.00% active ingredient.
Trade Name(s): **Oust EXTRA**
8. Metsulfuron methyl Methyl 2-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]-carbonyl]amino]sulfonyl]benzoate; 60% by weight active ingredient
Trade Name(s): **Escort XP**

Adjuvant Shall Be:

1. 2-(3-Hydroxypropyl) Heptamethyl-trisiloxane, Ethoxylated Acetate, Allyloxy Polyethylene Glycol Monallyl Acetate and Polyethylene Glycol Diacetate; 100% active ingredient
Trade name(s): **Sylgard 309**
2. Ethylated seed oil; 3-(3-hydroxypropyl)-heptamethyltrisiloxane, ethoxylated acetate; polyoxyethylene dioleate: 100% active ingredient
Trade name(s): **Syl-Tac**
3. Ethyl oleate, polyethylene dialkyl ethyl ethoxylated nonylphenol: 100% active ingredient
Trade name(s): **Hasten**
4. Polydimethylsiloxane, polyoxypropylene-polyoxyethylene block copolymer, and methylated vegetable oils: 100% active ingredient
Trade name(s): **Dyne-Amic**
5. Propriety blend of methylated seed oils produced by Helena Chemical: 100% active ingredient
Trade name(s): **MSO**

Herbicide Carrier Shall Be:

1. Water

Bidder's Company Name: _____ Bidder's Initials: _____

5.6 PRICE SHEET

Item NO.	Description	Est. Qty in Acres	Chemical Rate Per Acre 1 & 5	Application Rate Per Acre 2 & 5	Total Rate Per Acre 3 & 5	Item Extended Total 4 & 5
1.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	1,063	\$ _____	\$ _____	\$ _____	\$ _____
2.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	75	\$ _____	\$ _____	\$ _____	\$ _____
3.	Aerial Helicopter Herbicide Treatment per all contract terms and specifications.	104	\$ _____	\$ _____	\$ _____	\$ _____
N/A	TOTALS: (All Items 1-3)	1,242	\$ _____	\$ _____	\$ _____	\$ _____

¹ Per acre price for all chemicals excluding tax.
² Per acre price of helicopter application only.
³ Chemical rate per acre excluding tax plus the application rate per acre.
⁴ Total rate per acre multiplied by the estimated acres.
⁵ All prices shall be FOB destination, freight prepaid and included.

Bidder's Company Name: _____ Bidder's Initials: _____

5.7 REFERENCES

Bidder shall furnish a minimum of 3 references for which Bidder has delivered goods or services on a contract similar in scope to that described in this Request for Bid. Any feedback that the reference would not engage in future business may result in the bid being rejected. The state reserves the right to waive the reference check.

- 1. Company Name: _____
Address: _____
Contact Person: _____
Telephone: _____
Fax: _____
Email: _____

Briefly describe the project performed:

- 2. Company Name: _____
Address: _____
Contact Person: _____
Telephone: _____
Fax: _____
Email: _____

Briefly describe the project performed:

- 3. Company Name: _____
Address: _____
Contact Person: _____
Telephone: _____
Fax: _____
Email: _____

Briefly describe the project performed:

Bidder's Company Name: _____ Bidder's Initials: _____

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

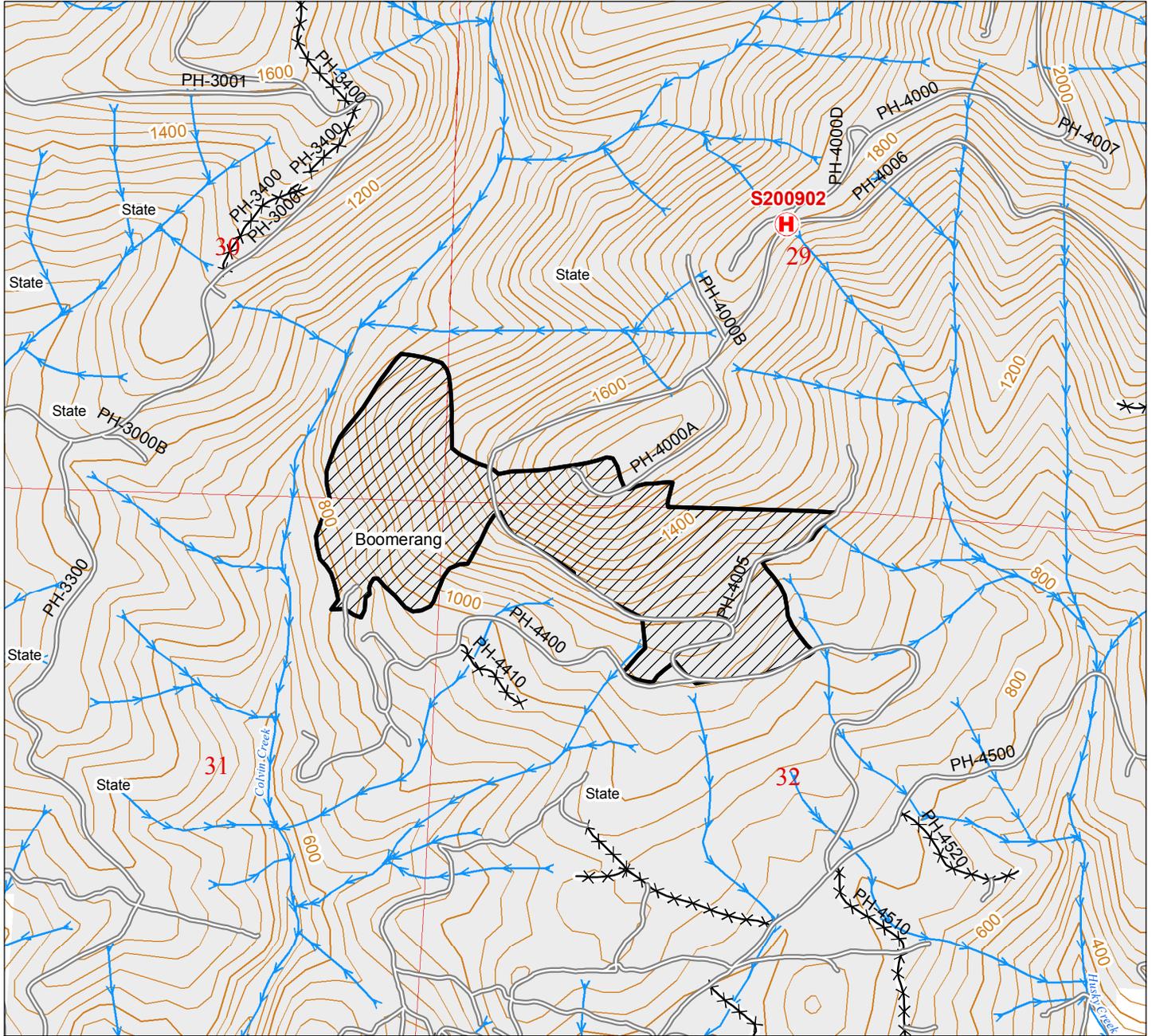
Pacific Cascade St.Helens Green Mountain

Township 6 N Range 2 E Section 32

Treatment Acres:66

Unit Name: BOOMERANG

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: S200902 - N 45° 58' 20.97" W -122° 35' 16.573"
 Miles to Heliport: 0.5

Alternate Heliport Coordinates: S20095 - N 45° 58' 0.468" W -122° 2' 0.263"
 Miles to Alternate Heliport: 1.5

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

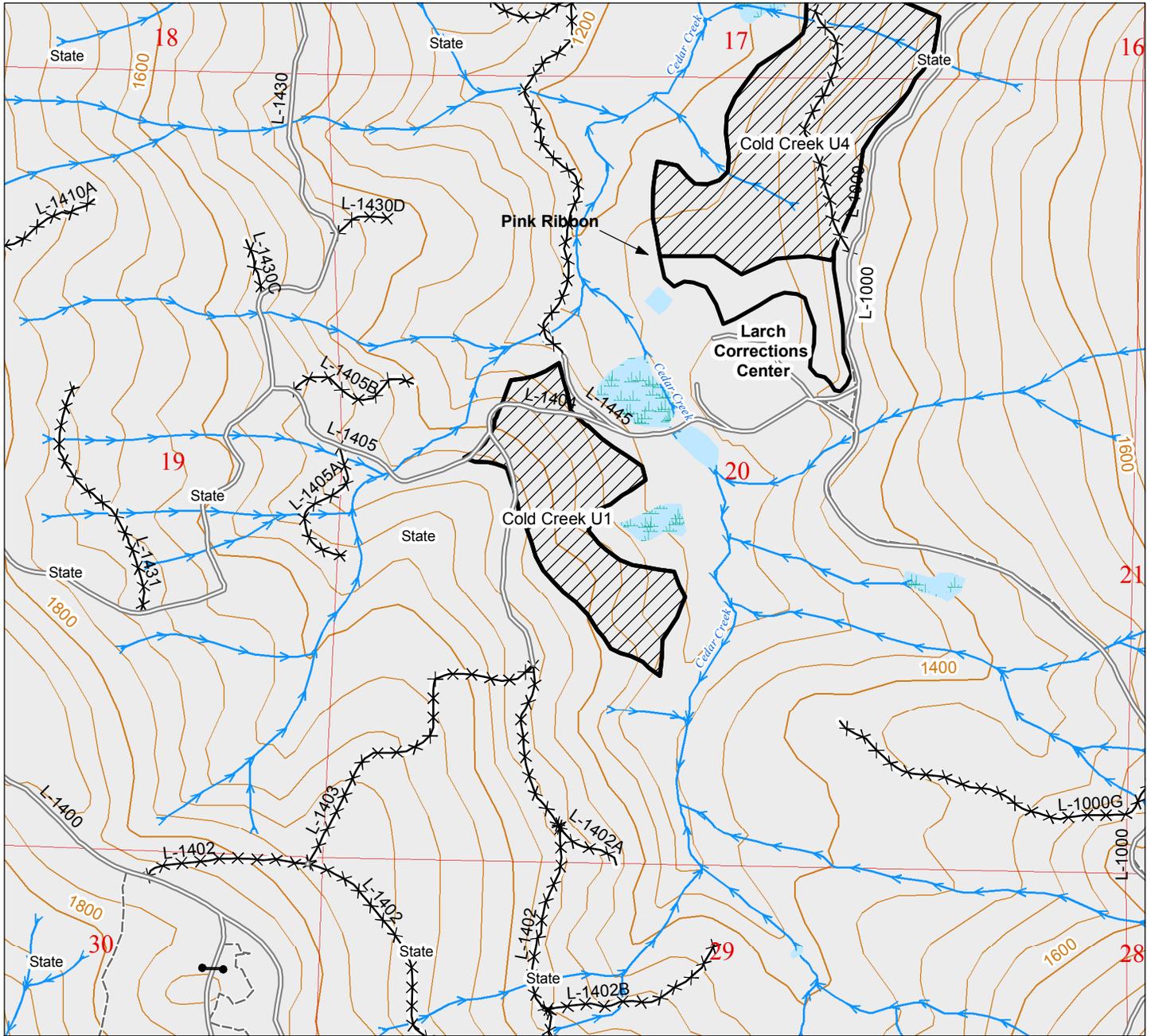
Pacific Cascade Yaoclt Silver Star

Township 3 N Range 4 E Section 20

Treatment Acres: 24

Unit Name: COLD CREEK U1

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"

Miles to Heliport: 1.1

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

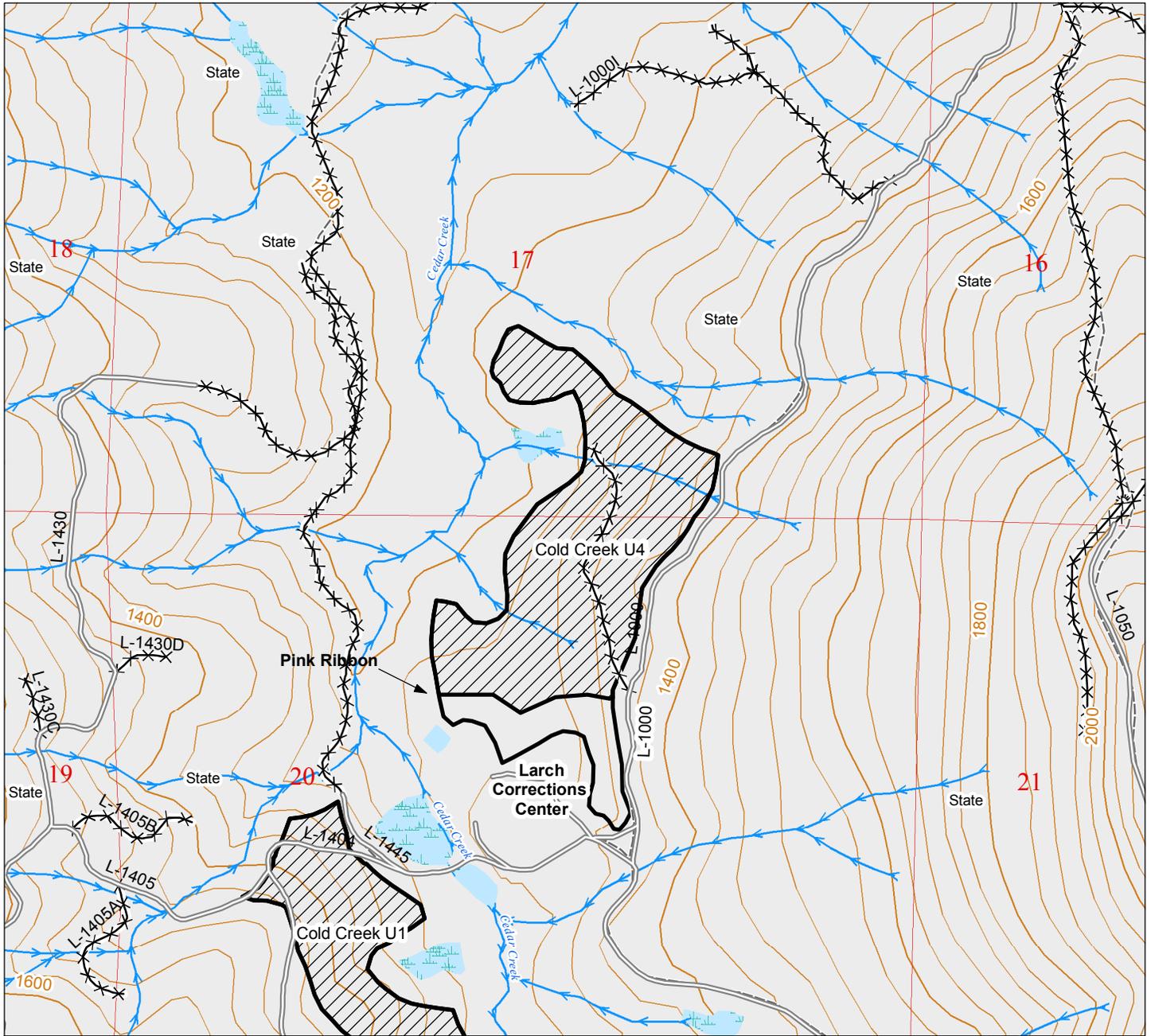
Pacific Cascade Yaoclt Silver Star

Township 3 N Range 4 E Section 20

Treatment Acres: 50

Unit Name: COLD CREEK U4

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"

Miles to Heliport: 1.2

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

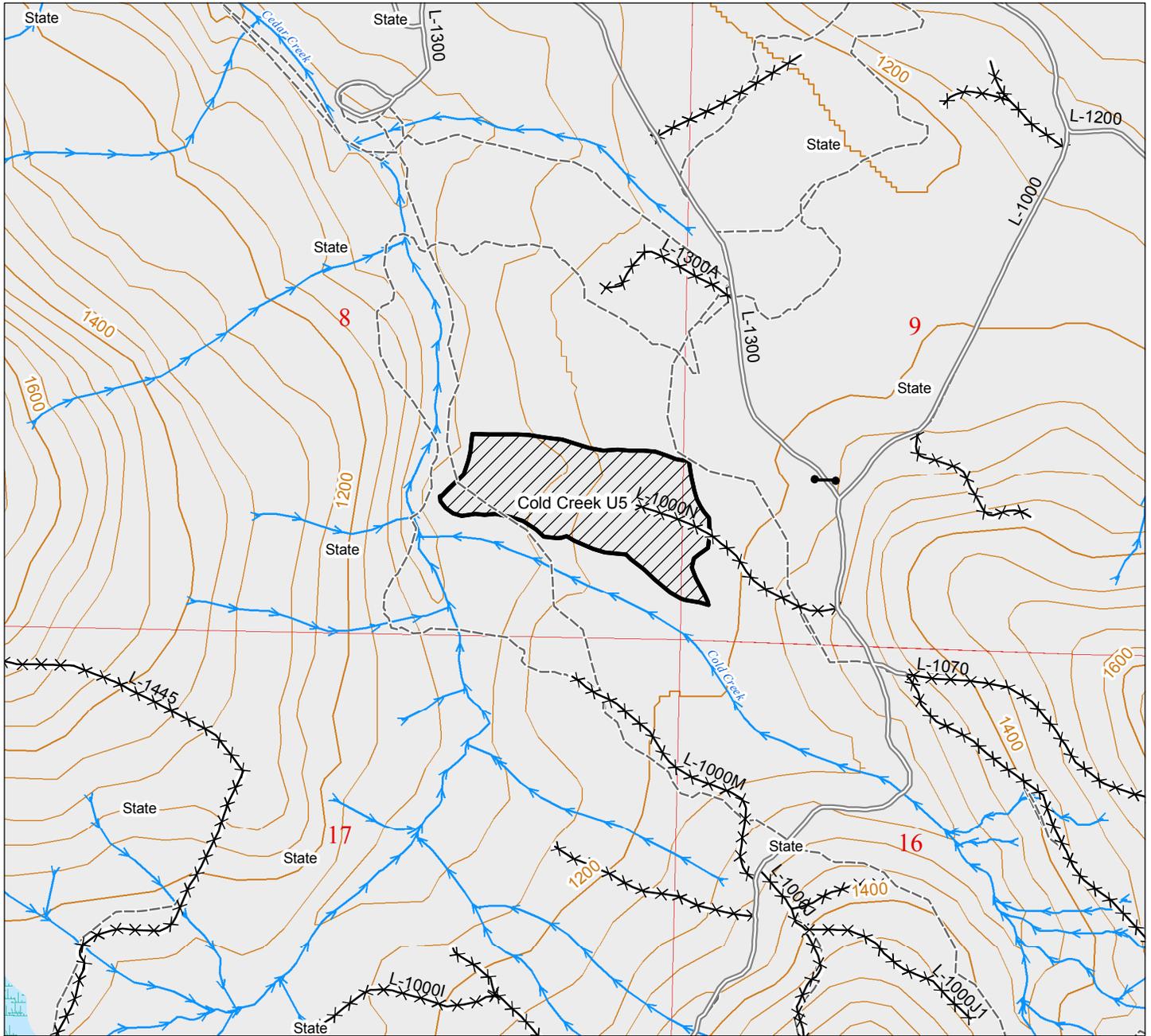
Pacific Cascade Yaoclt Silver Star

Township 3 N Range 4 E Section 8

Treatment Acres:21

Unit Name: COLD CREEK U5

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008173 - N 45° 44.198' 0" W -122° 22.225' 0"

Miles to Heliport: 1.8

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

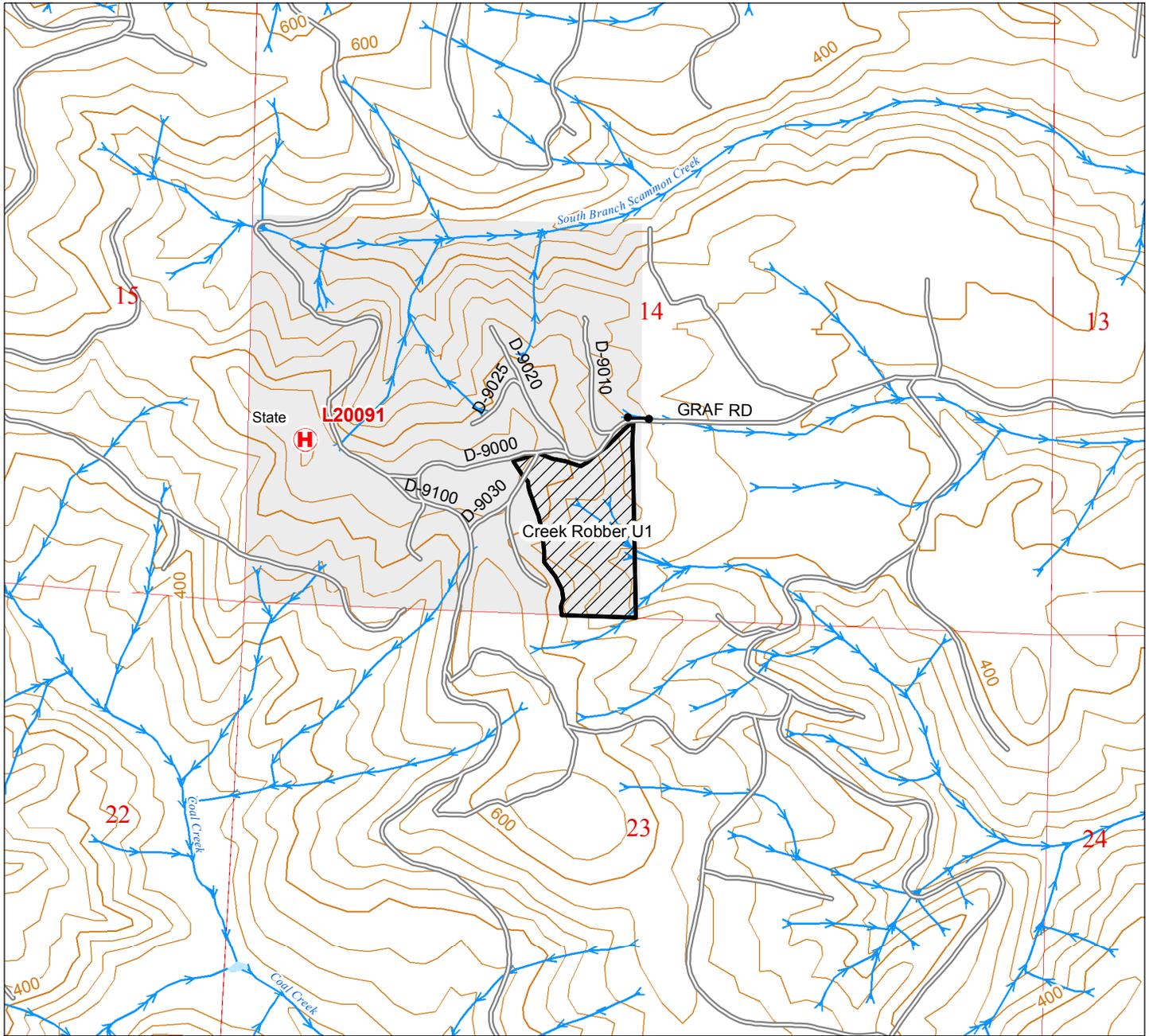
Pacific Cascade Lewis Lincoln

Township 14N Range 3 W Section 14

Treatment Acres: 14

Unit Name: CREEK ROBBER U1

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20091 - N 46° 41.69' " W -123° 1.991' "

Miles to Heliport: 0.1

Alternate Heliport Coordinates: L20092 - N 46° 40.844' " W -123° 6.366' "

Miles to Alternate Heliport: 1

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

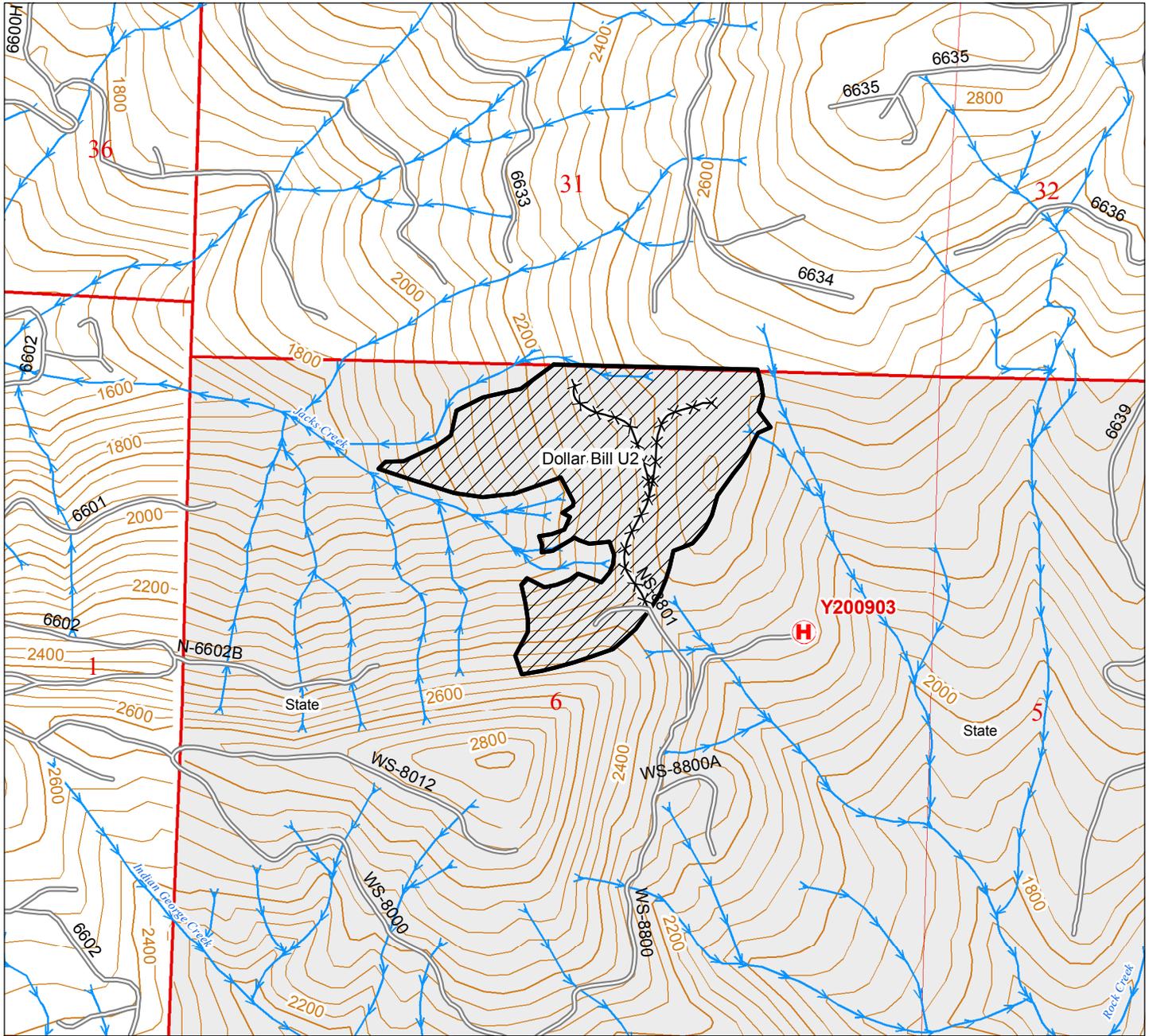
Pacific Cascade Yaoclt Cougar

Township 6 N Range 3 E Section 6

Treatment Acres: 53

Unit Name: DOLLAR BILL U2

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200903 - N 46° 2' 5.3" W -122° 28' 35.2"

Miles to Heliport: 0.3

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

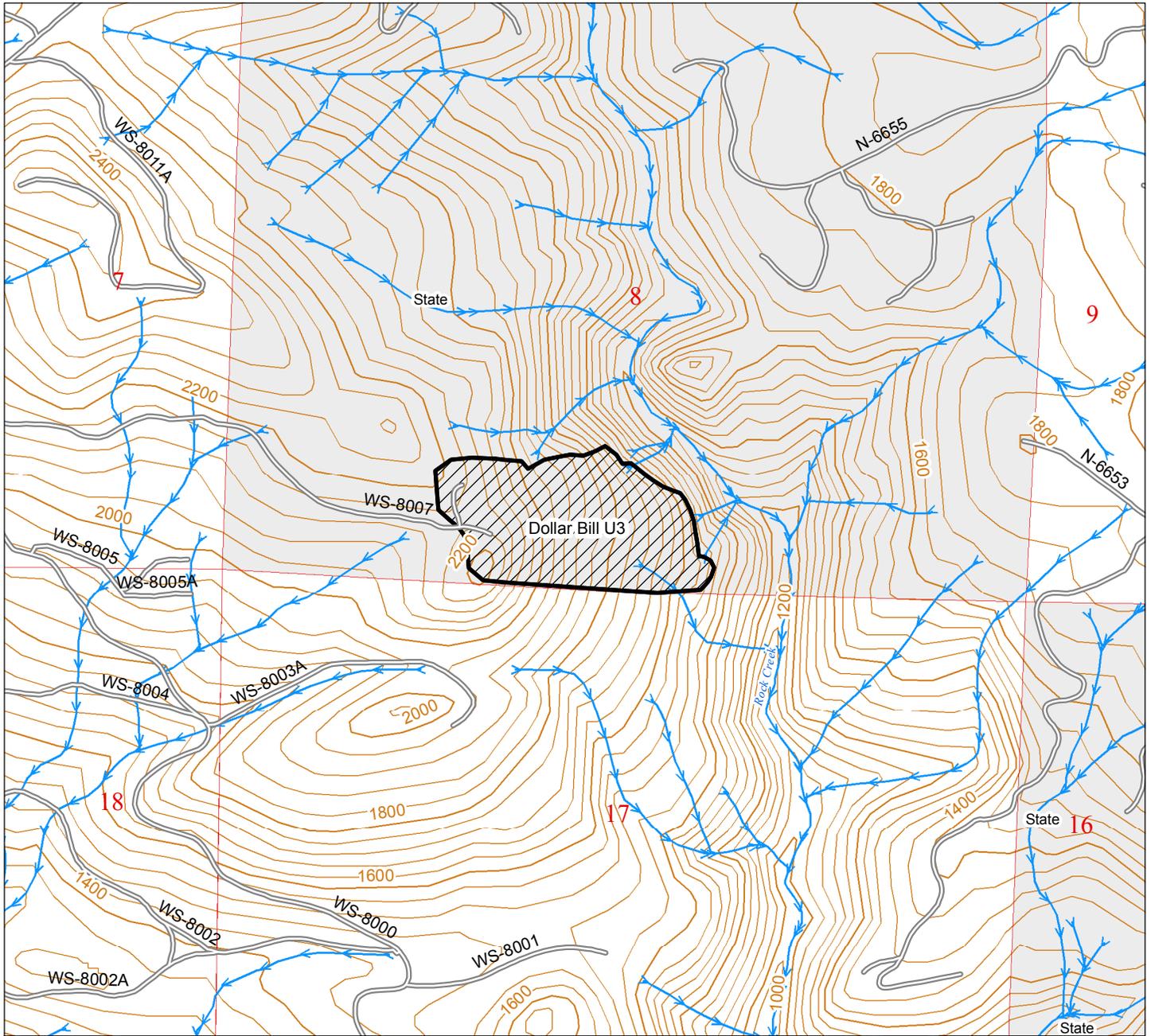
Pacific Cascade Yacolt Cougar

Township 6 N Range 3 E Section 8

Treatment Acres: 28

Unit Name: DOLLAR BILL U3

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200904 - N 46° 0' 44.5" W -122° 28' 51.8"

Miles to Heliport: 0.7

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

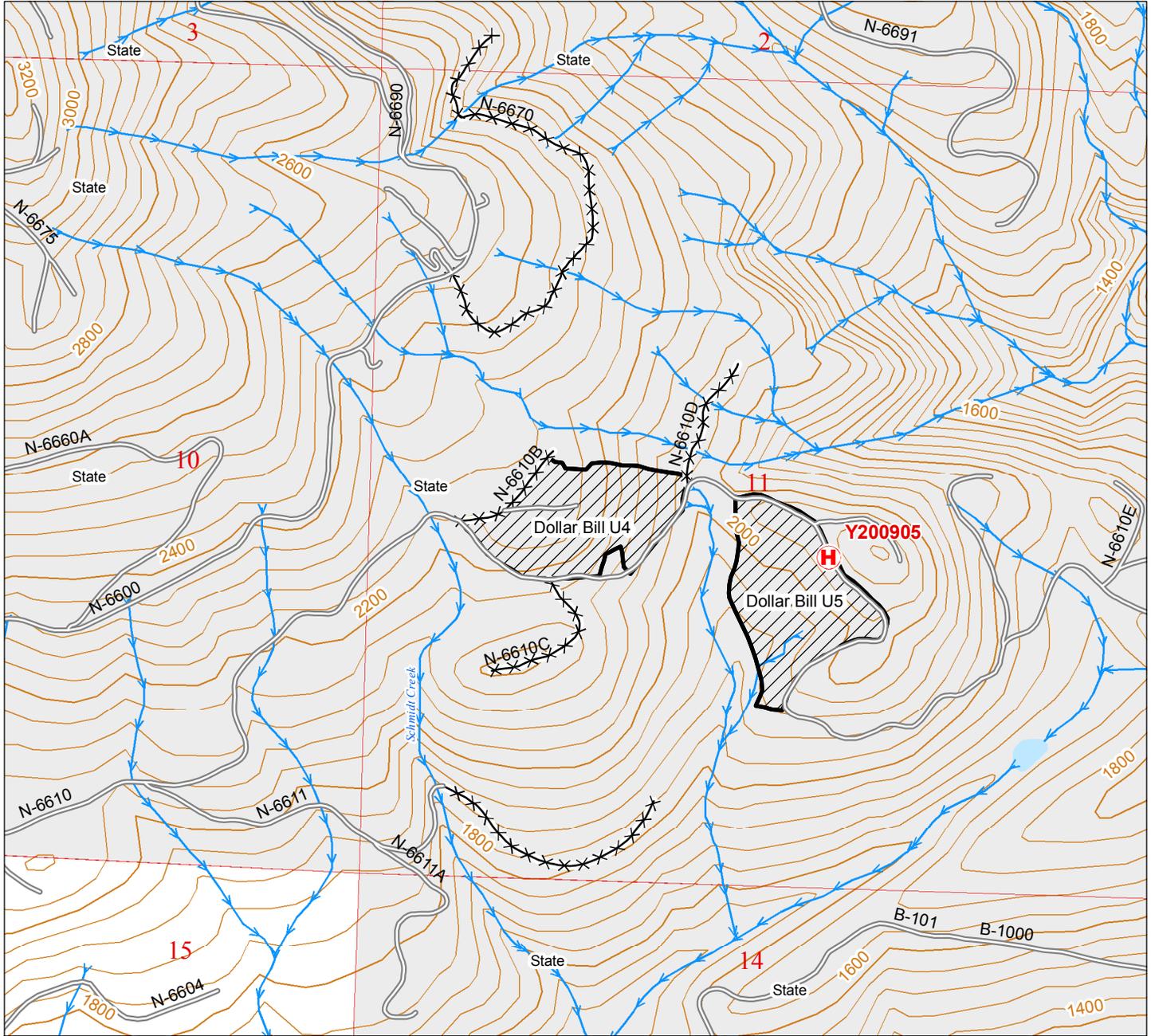
Pacific Cascade Yaoclt Cougar

Township 6 N Range 3 E Section 11

Treatment Acres: 15

Unit Name: DOLLAR BILL U4

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200905 - N 46° 0' 59.4" W -122° 23' 56.5"

Miles to Heliport: 0.3

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

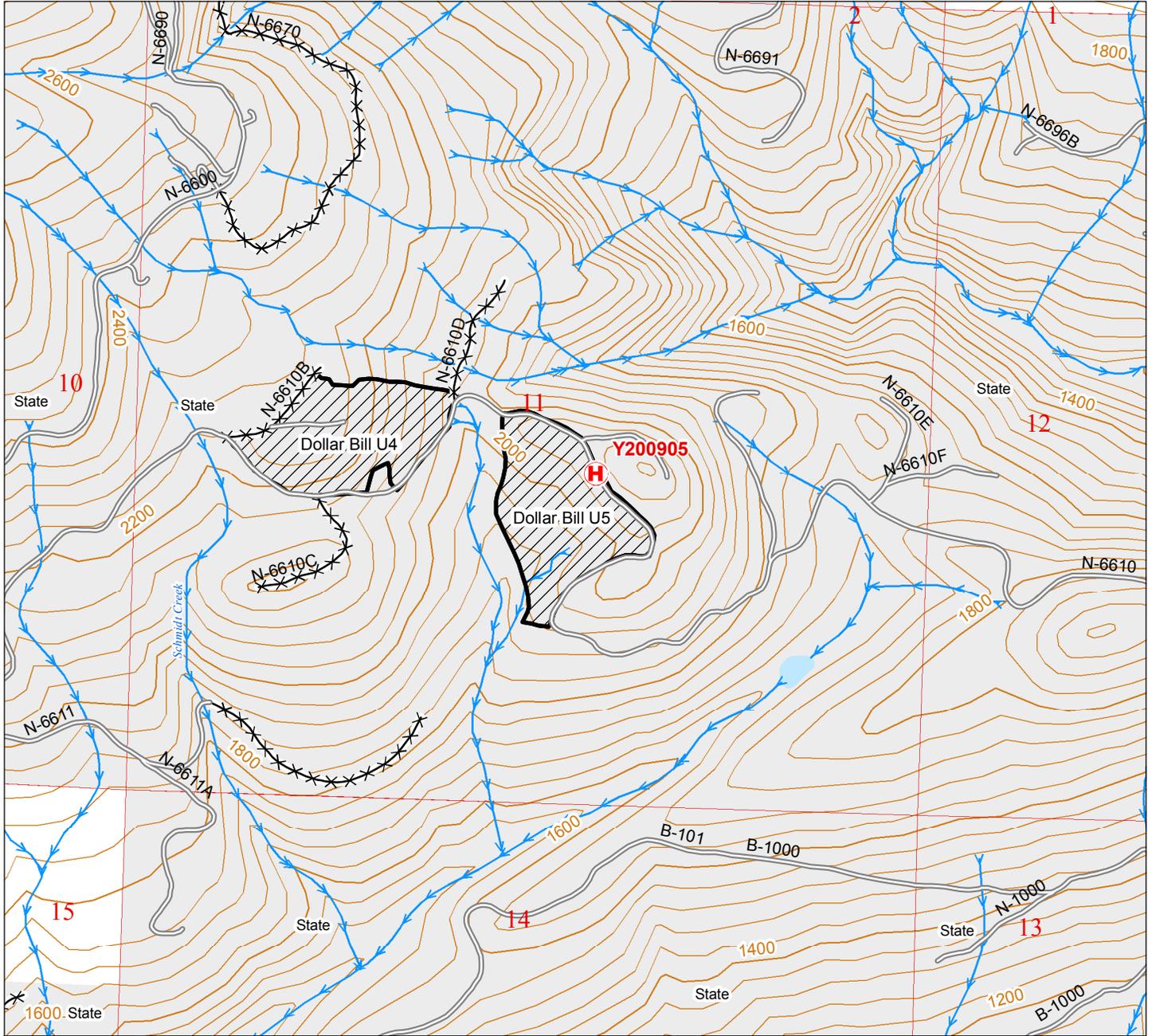
Pacific Cascade Yaoclt Cougar

Township 6 N Range 3 E Section 11

Treatment Acres: 18

Unit Name: DOLLAR BILL U5

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200905 - N 46° 0' 59.4" W -122° 23' 56.5"

Miles to Heliport: 0.1

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

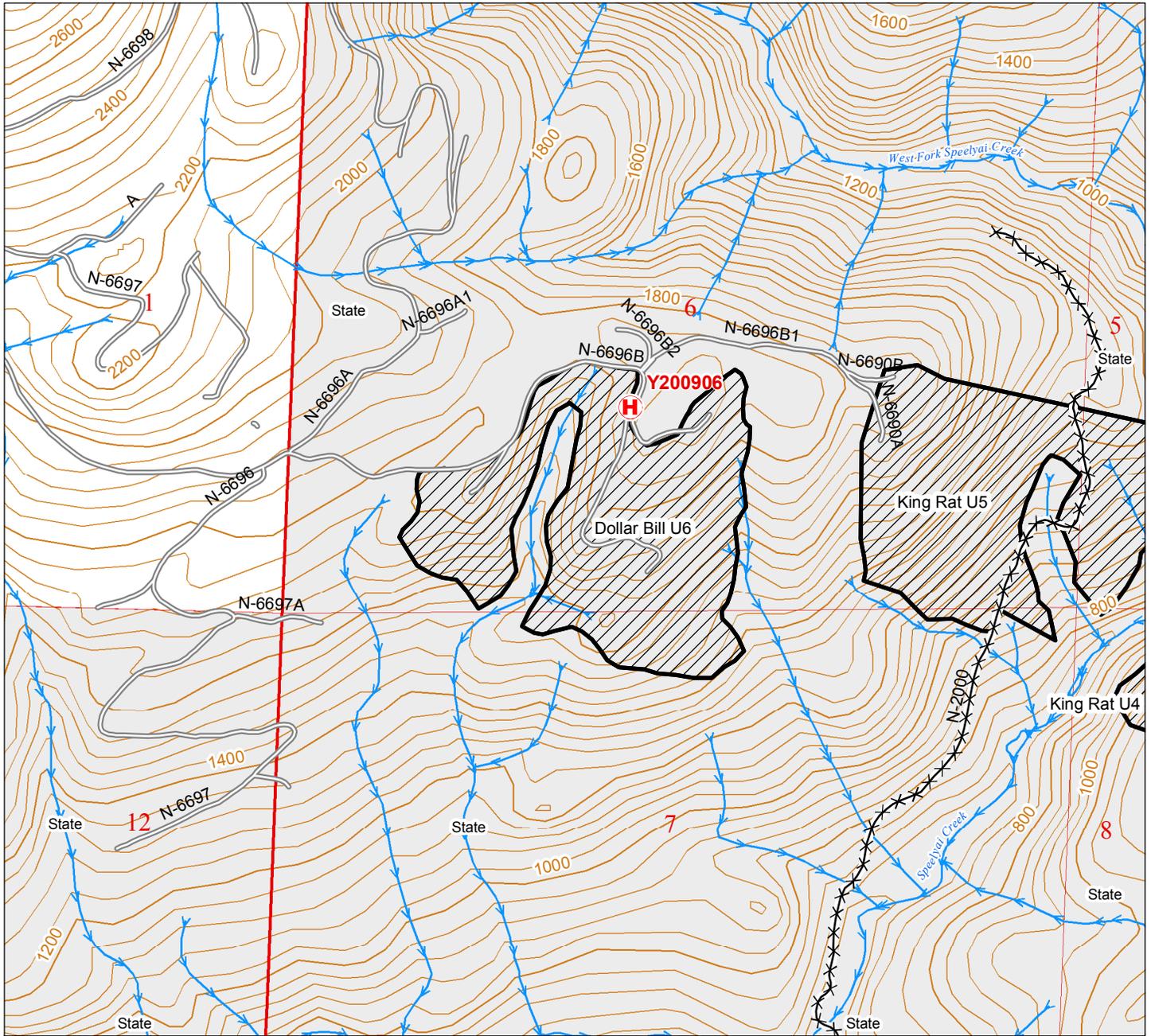
Pacific Cascade Yacolt Cougar

Township 6 N Range 4 E Section 6

Treatment Acres: 59

Unit Name: DOLLAR BILL U6

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"

Miles to Heliport: 0

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

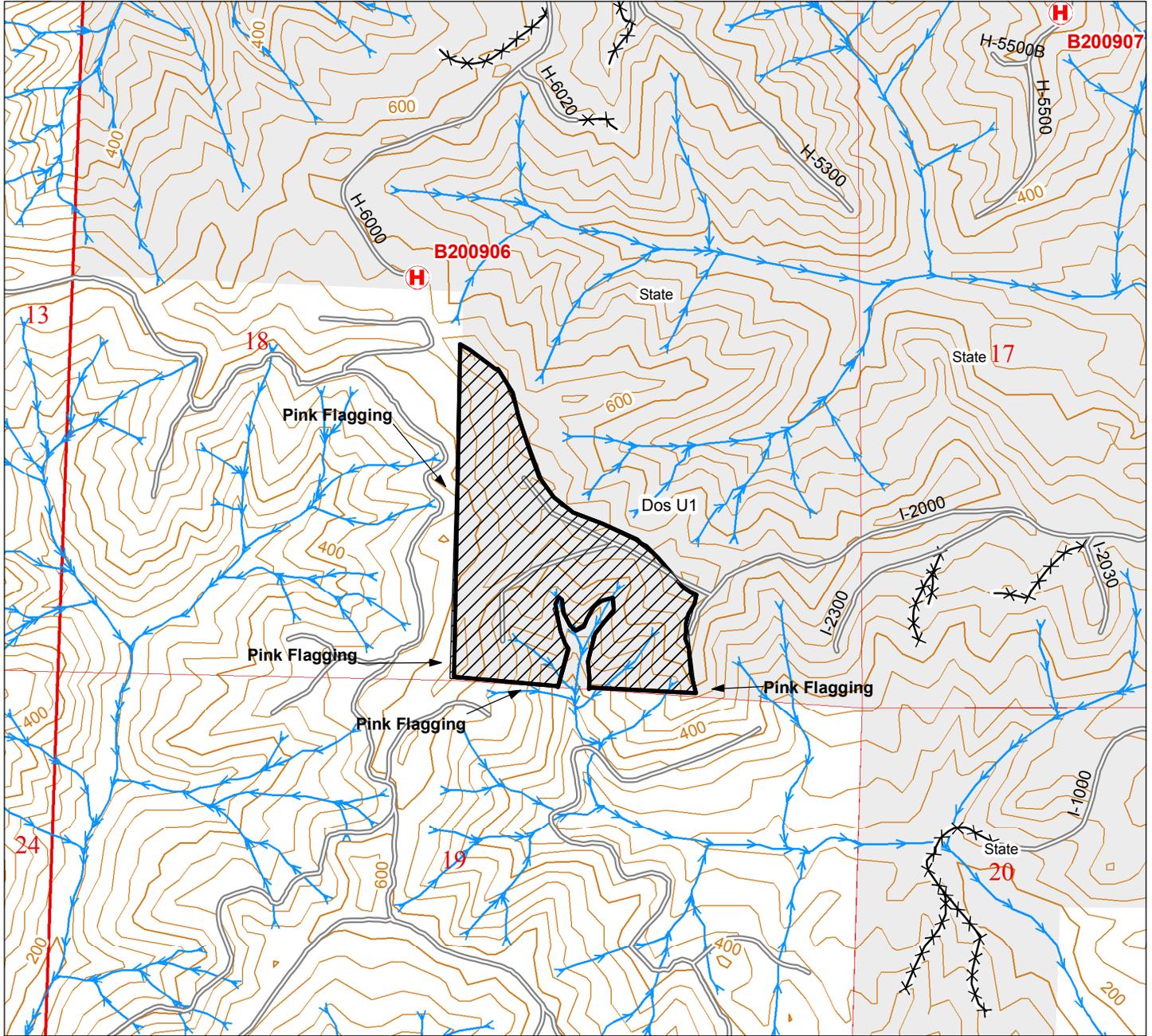
Pacific Cascade Black Hills Black River

Township 15N Range 4 W Section 18

Treatment Acres: 32

Unit Name: DOS U1

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: B200906 - N 46° 47' 11.698800000009" W -123° 14' 13"

Miles to Heliport: 0.1

Alternate Heliport Coordinates: B200907 - N 46° 47' 30.3" W -123° 13' 13.3"

Miles to Alternate Heliport: 0.5

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

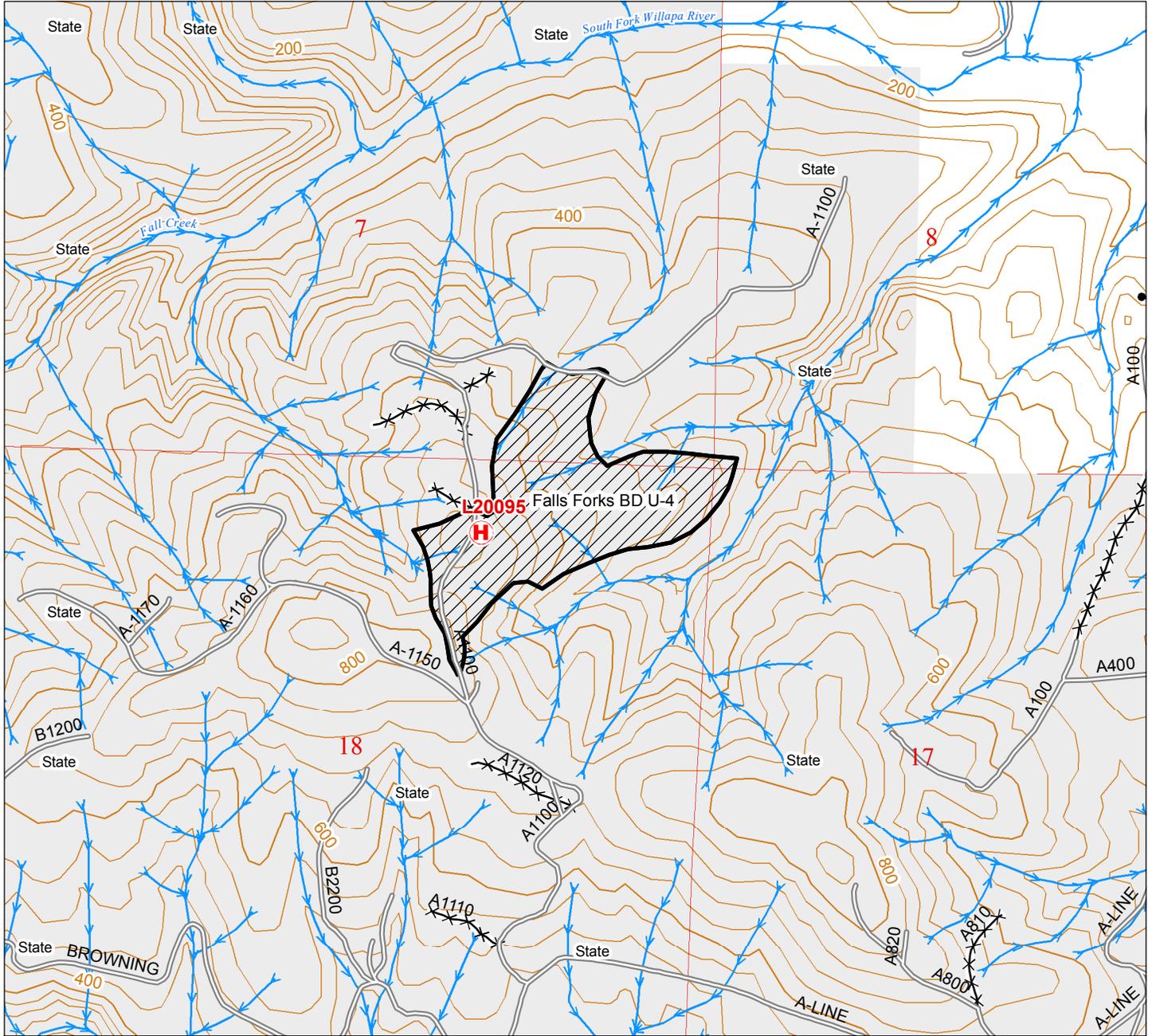
Pacific Cascade Lewis Pacific

Township 13N Range 8 W Section 18

Treatment Acres:38

Unit Name: FALLS FORKS BD U-4

Drift Control Acres:20



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20095 - N 46° 37.19' " W -123° 43.32' "

Miles to Heliport: 0

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

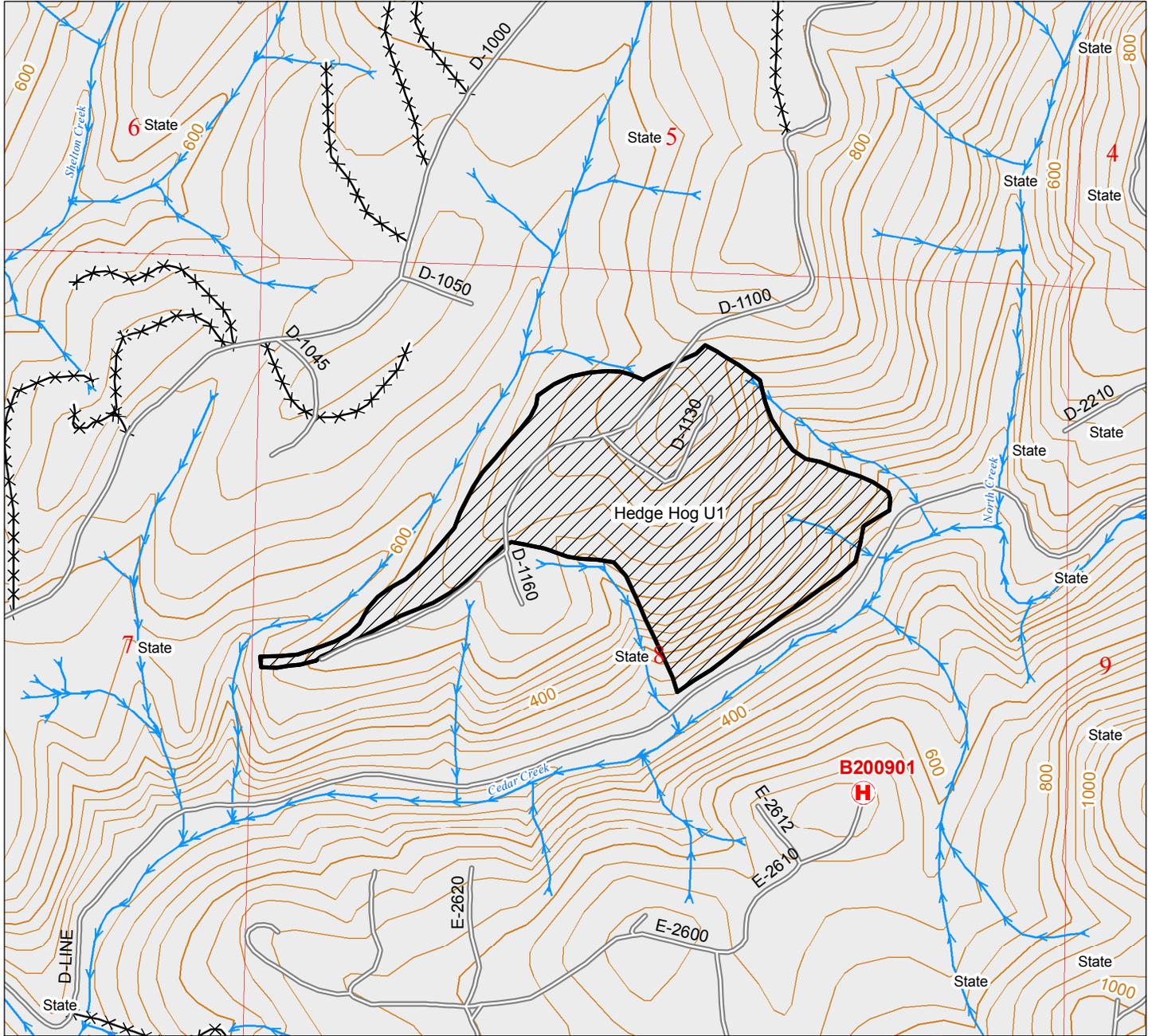
Pacific Cascade Black Hills Capitol

Township 16N Range 4 W Section 8

Treatment Acres:60

Unit Name: HEDGE HOG U1

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: B200901 - N 46° 53' 7.6" W -123° 12' 25.1"

Miles to Heliport: 0.3

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

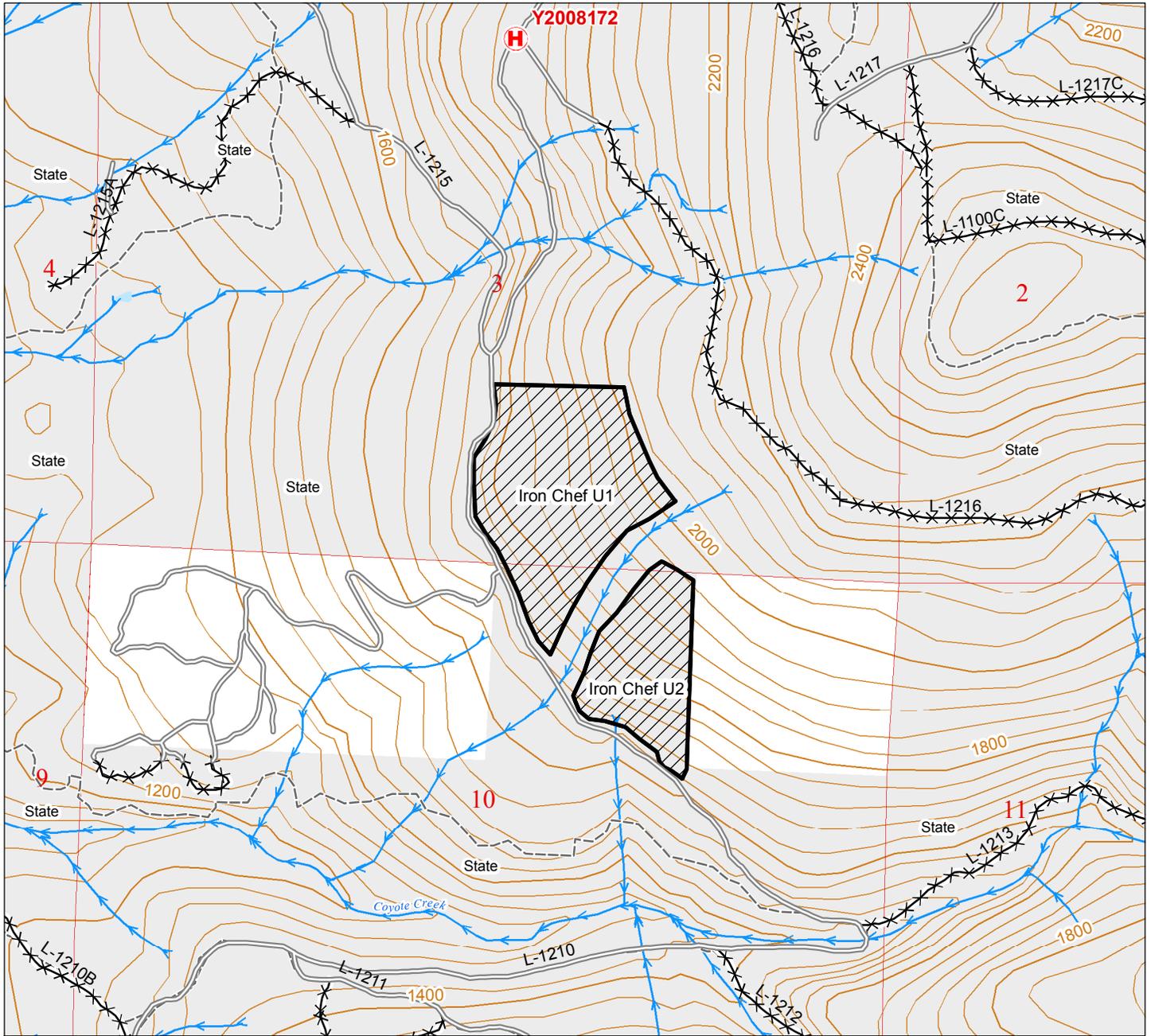
Pacific Cascade Yaoclt Silver Star

Township 3 N Range 4 E Section 3

Treatment Acres:31

Unit Name: IRON CHEF U1

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"
 Miles to Heliport: 0.4

Alternate Heliport Coordinates:
 Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

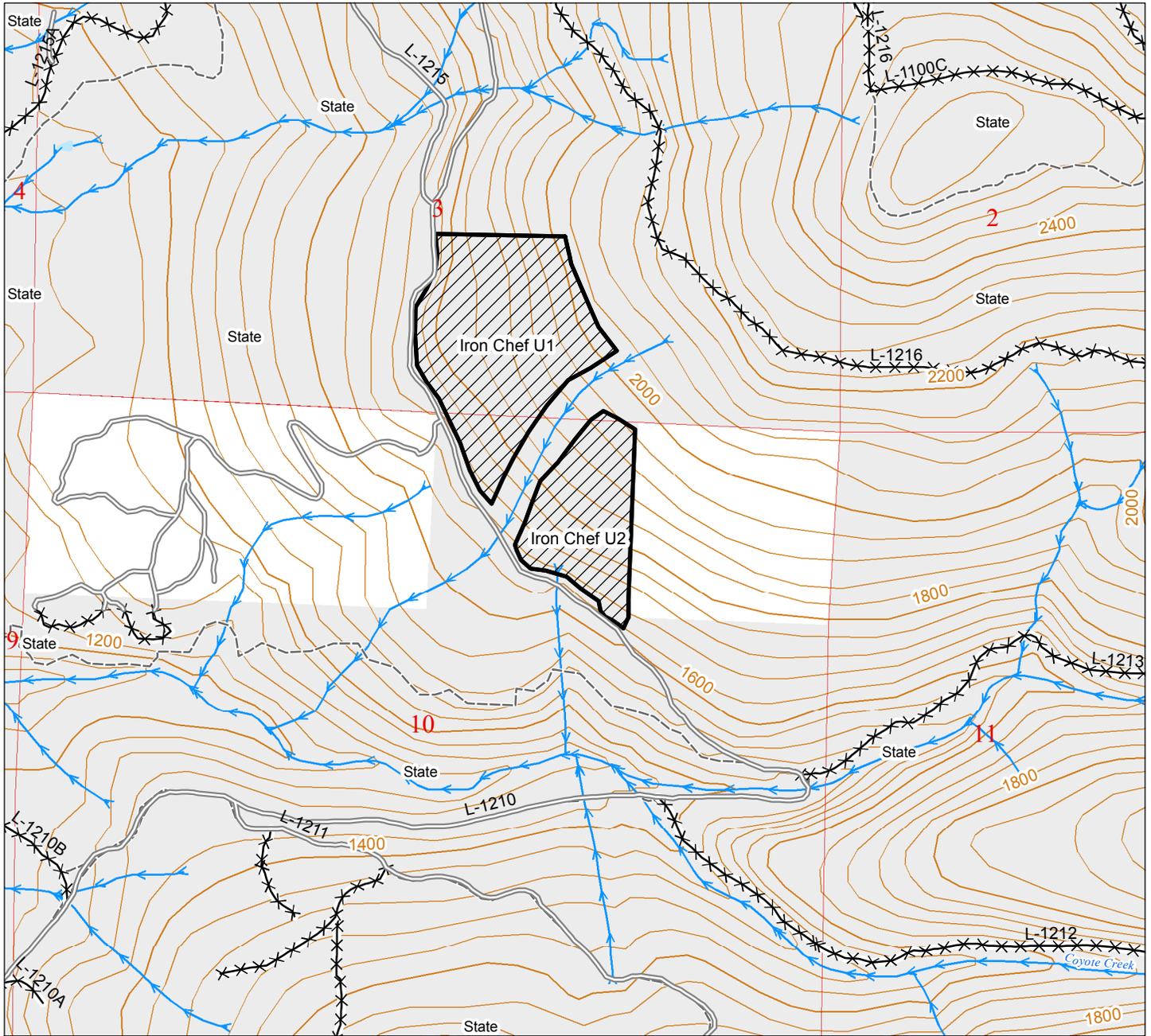
Pacific Cascade Yaoclt Silver Star

Township 3 N Range 4 E Section 10

Treatment Acres: 16

Unit Name: IRON CHEF U2

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"
 Miles to Heliport: 0.8

Alternate Heliport Coordinates:
 Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

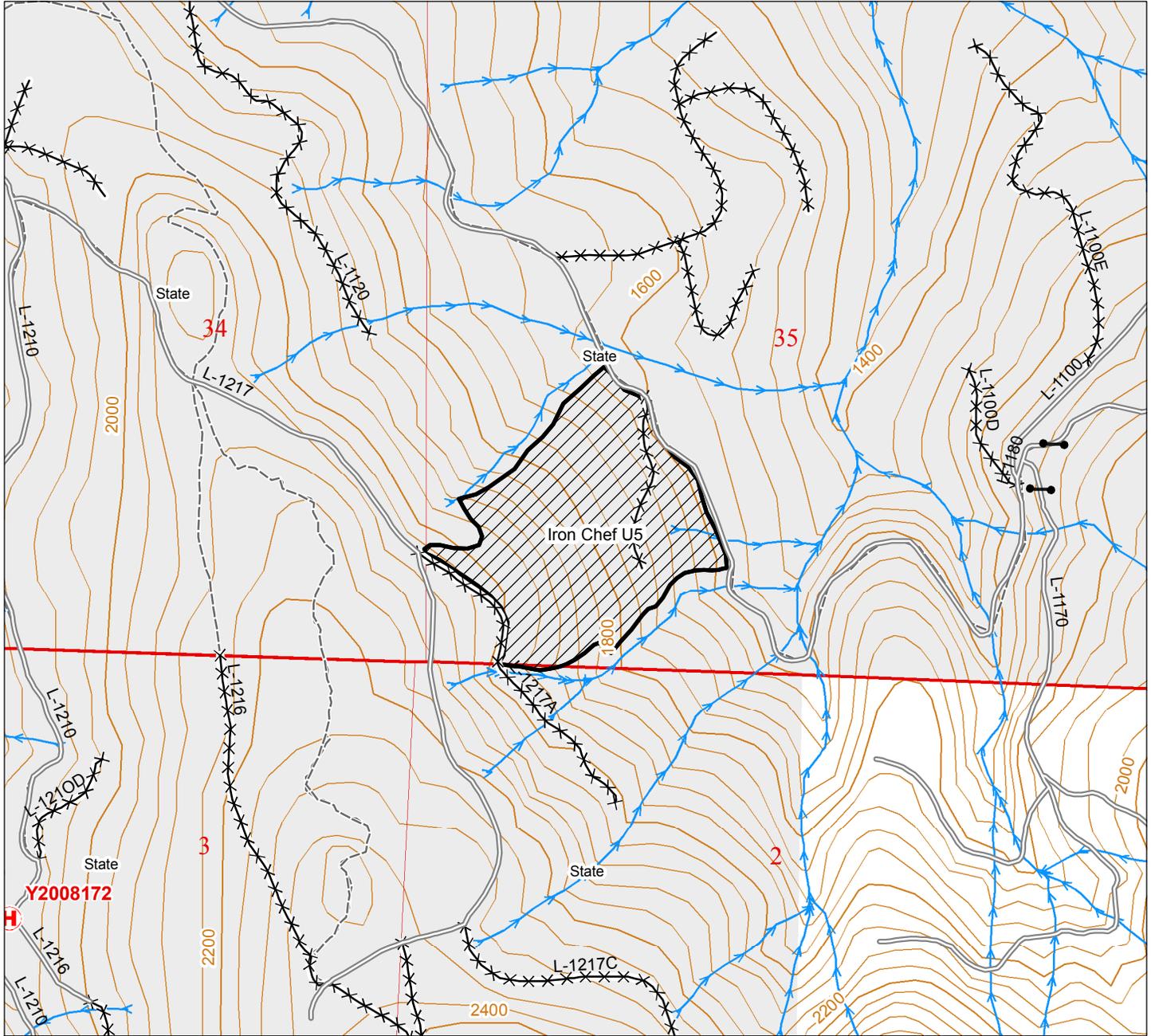
Pacific Cascade Yaoclt Silver Star

Township 4 N Range 4 E Section 35

Treatment Acres: 47

Unit Name: IRON CHEF U5

Drift Control Acres: 10



Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y2008172 - N 45° 46.521' 0" W -122° 18.056' 0"
 Miles to Heliport: 0.7
 Alternate Heliport Coordinates:
 Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

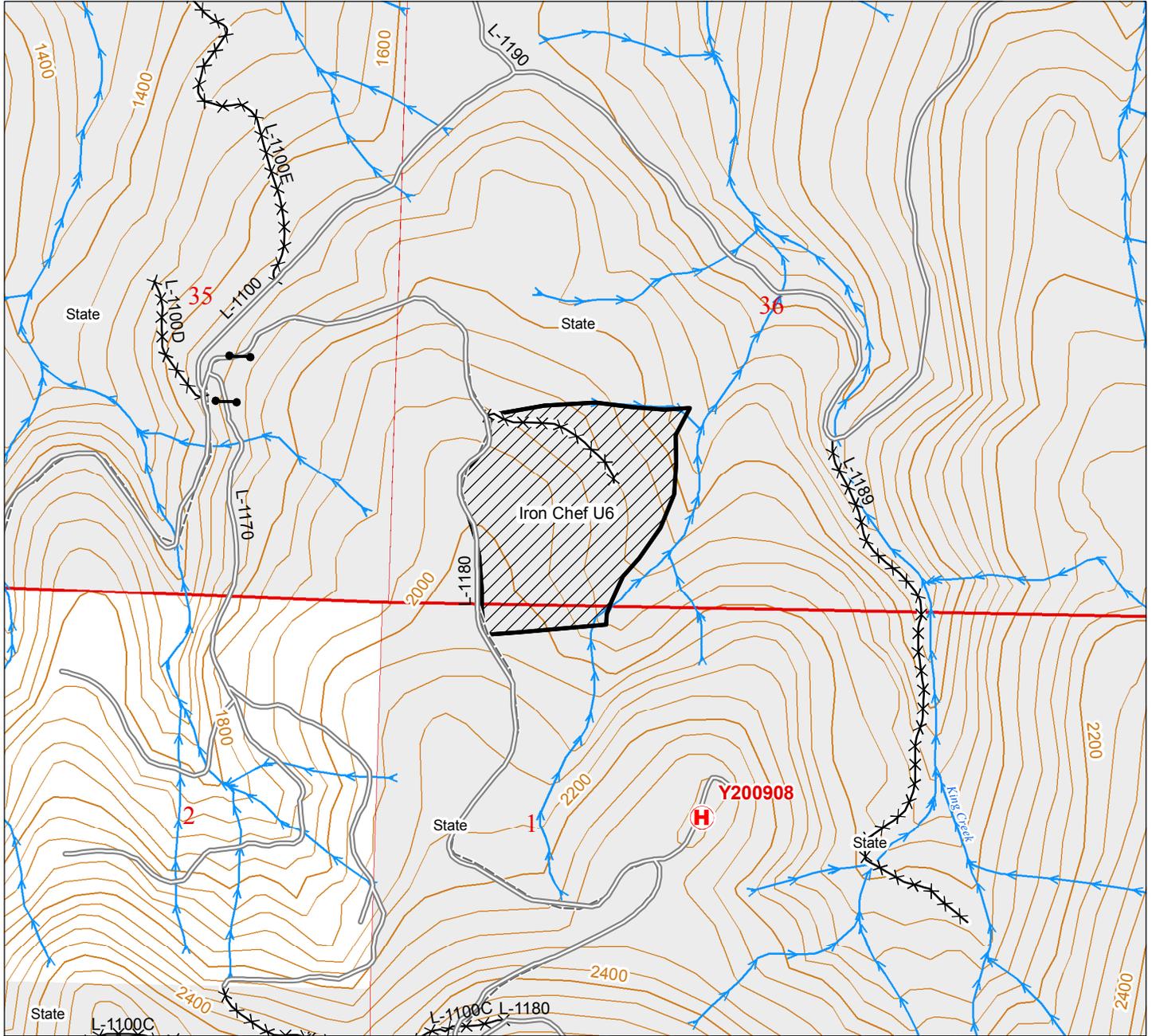
Pacific Cascade Yaoclt Silver Star

Township 4 N Range 4 E Section 36

Treatment Acres:39

Unit Name: IRON CHEF U6

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200908 - N 45° 46' 34.3" W -122° 15' 43.8"

Miles to Heliport: 0.3

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

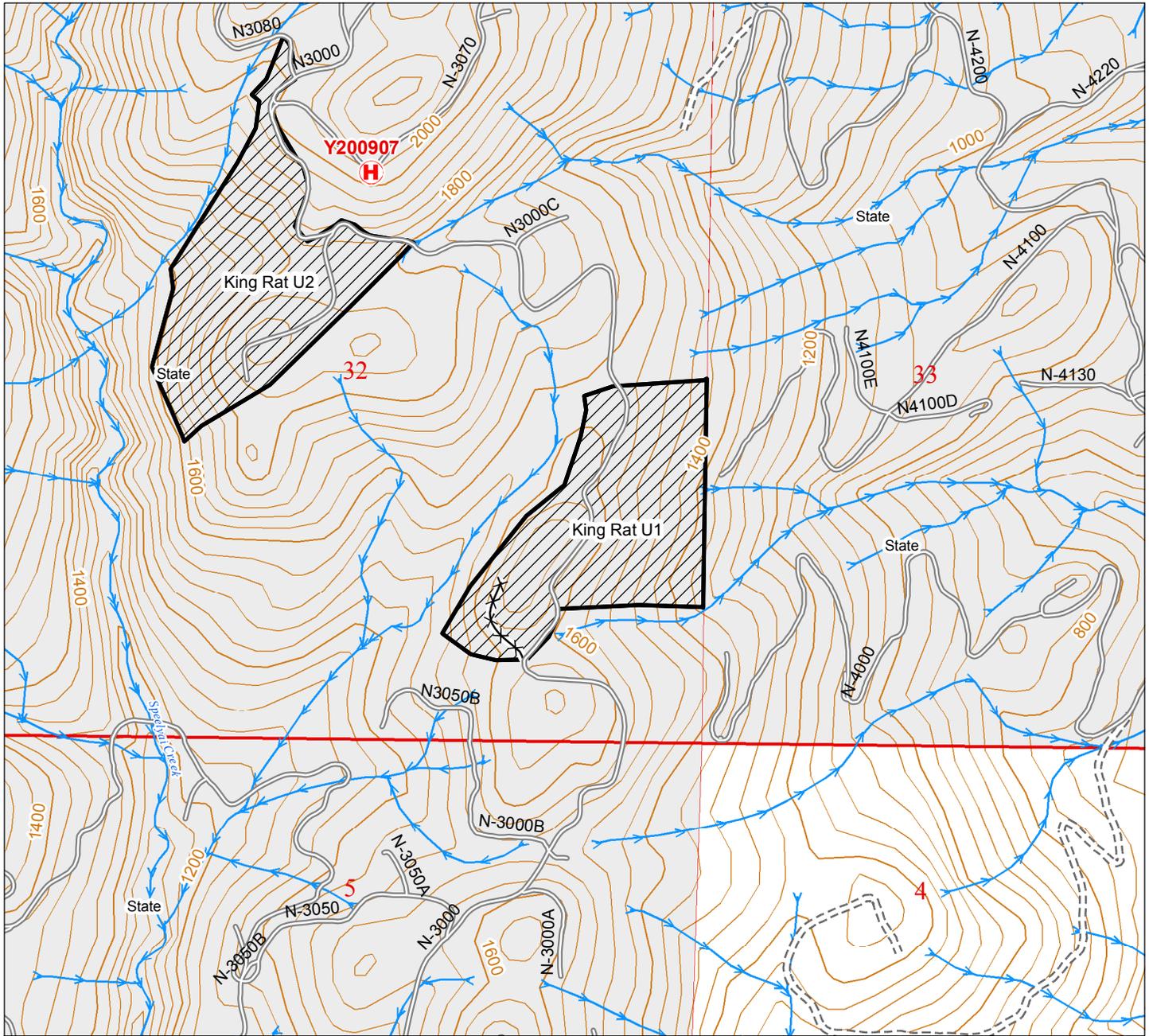
Pacific Cascade Yaoclt Cougar

Township 7 N Range 4 E Section 32

Treatment Acres: 36

Unit Name: KING RAT U1

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"

Miles to Heliport: 0.4

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

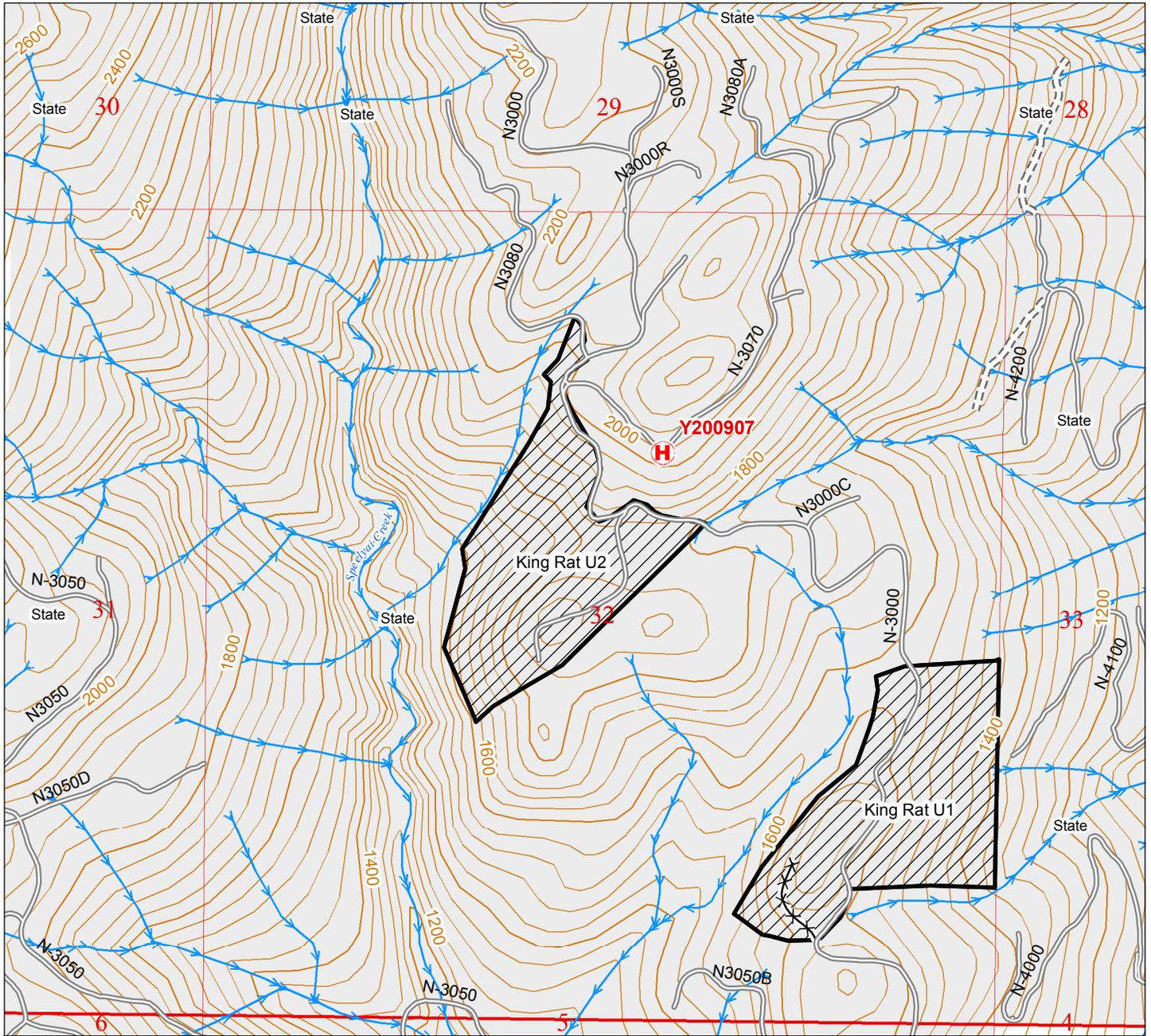
Pacific Cascade Yaoclt Cougar

Township 7 N Range 4 E Section 32

Treatment Acres: 37

Unit Name: KING RAT U2

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"
 Miles to Heliport: 0.2

Alternate Heliport Coordinates:
 Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

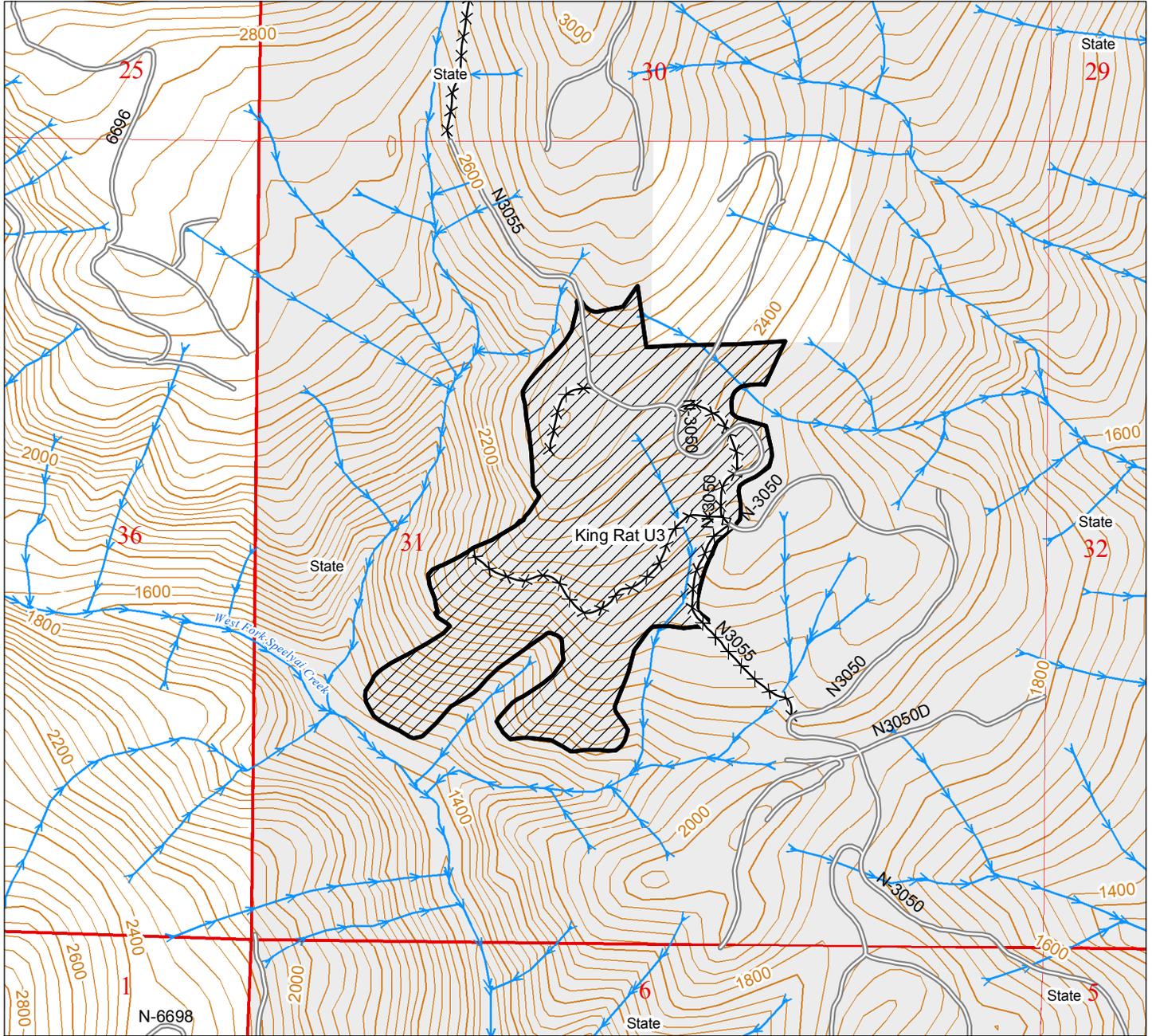
Pacific Cascade Yaoclt Cougar

Township 7 N Range 4 E Section 31

Treatment Acres:87

Unit Name: KING RAT U3

Drift Control Acres:10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200907 - N 46° 3' 0.1" W -122° 20' 13.3"

Miles to Heliport: 1

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 10, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

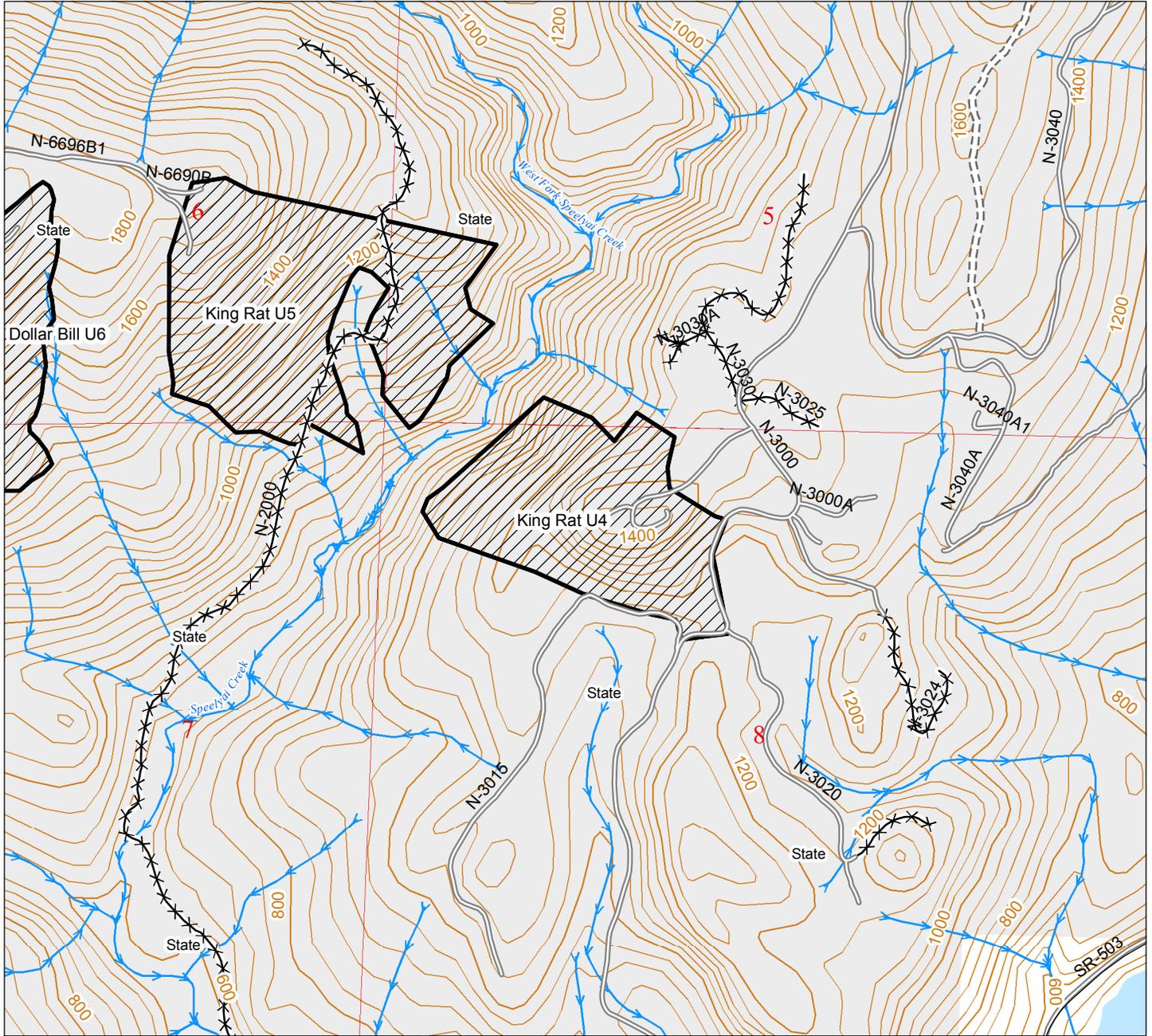
Pacific Cascade Yaoclt Cougar

Township 6 N Range 4 E Section 8

Treatment Acres: 39

Unit Name: KING RAT U4

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"

Miles to Heliport: 0.8

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

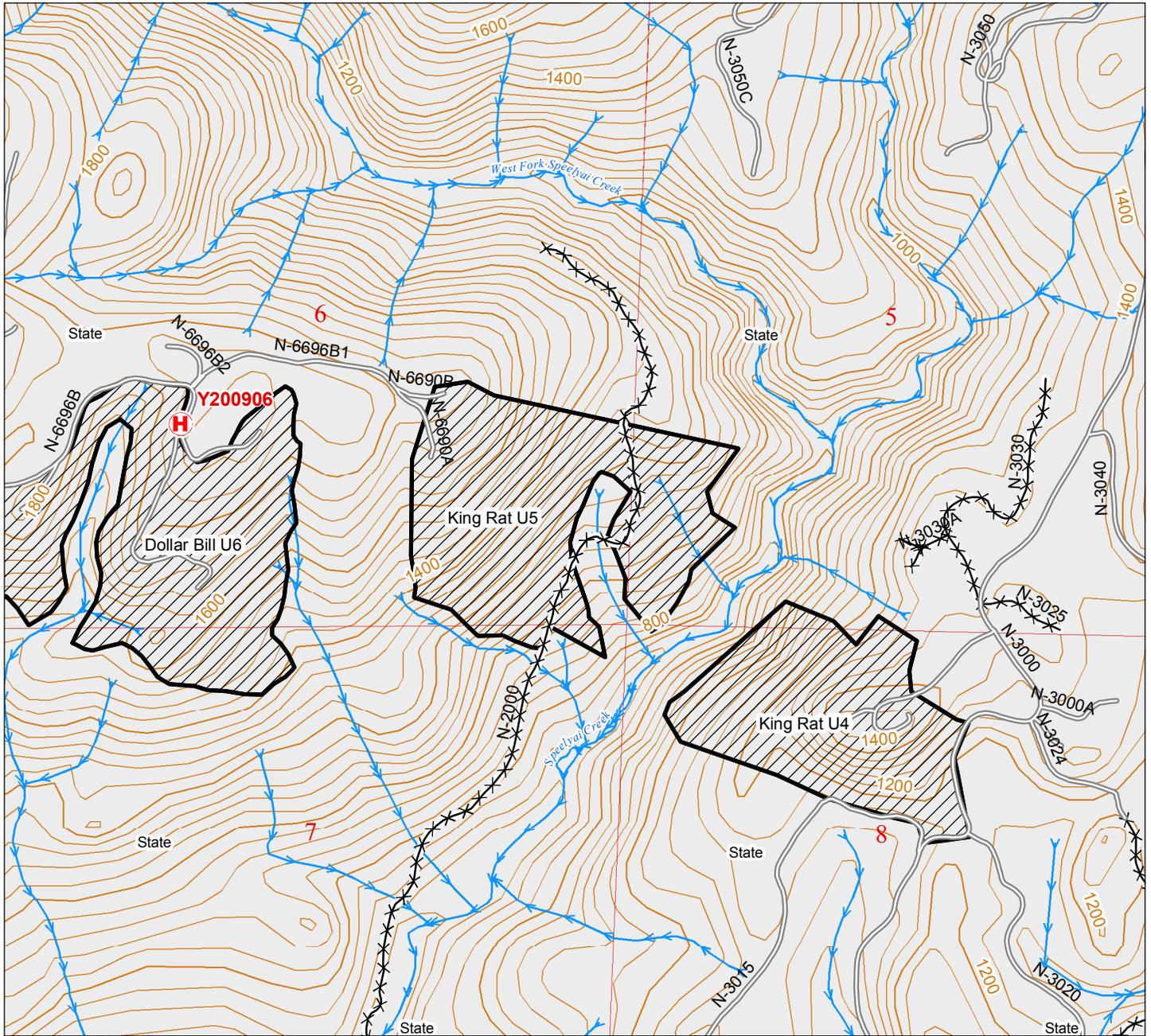
Pacific Cascade Yaoclt Cougar

Township 6 N Range 4 E Section 6

Treatment Acres: 53

Unit Name: KING RAT U5

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200906 - N 46° 1' 43.8" W -122° 21' 37.9"

Miles to Heliport: 0.4

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

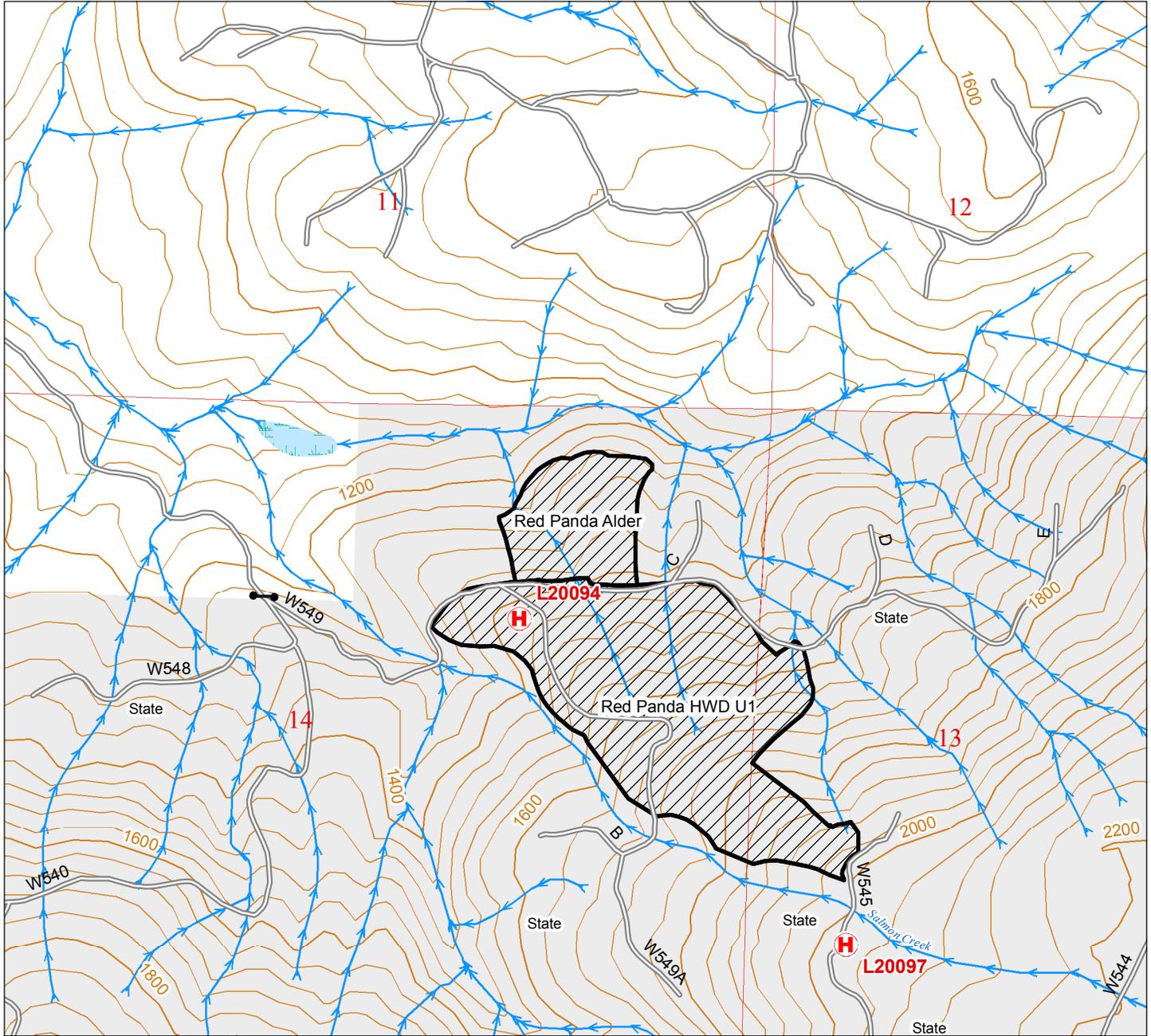
Pacific Cascade Lewis Salkum

Township 11N Range 2 E Section 14

Treatment Acres: 15

Unit Name: RED PANDA ALDER

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20097 - N 46° 26.127' " W -122° 30.46' "

Miles to Heliport: 0.5

Alternate Heliport Coordinates: L20094 - N 46° 26.471' " W -122° 30.983' "

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

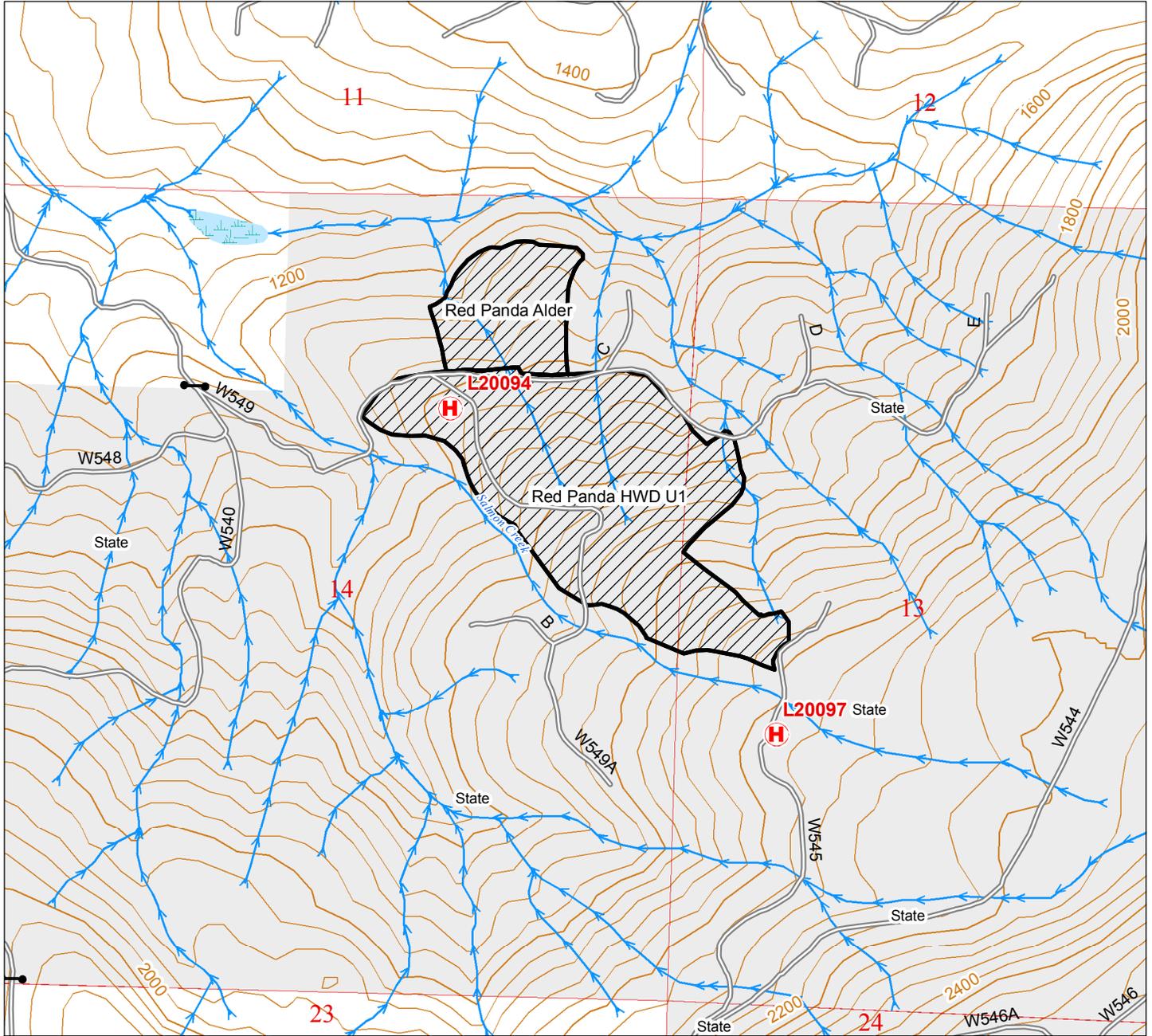
Pacific Cascade Lewis Salkum

Township 11N Range 2 E Section 14

Treatment Acres:62

Unit Name: RED PANDA HWD U1

Drift Control Acres:20



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20097 - N 46° 26.127' " W -122° 30.46' "

Miles to Heliport: 0.5

Alternate Heliport Coordinates: L20094 - N 46° 26.471' " W -122° 30.983' "

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

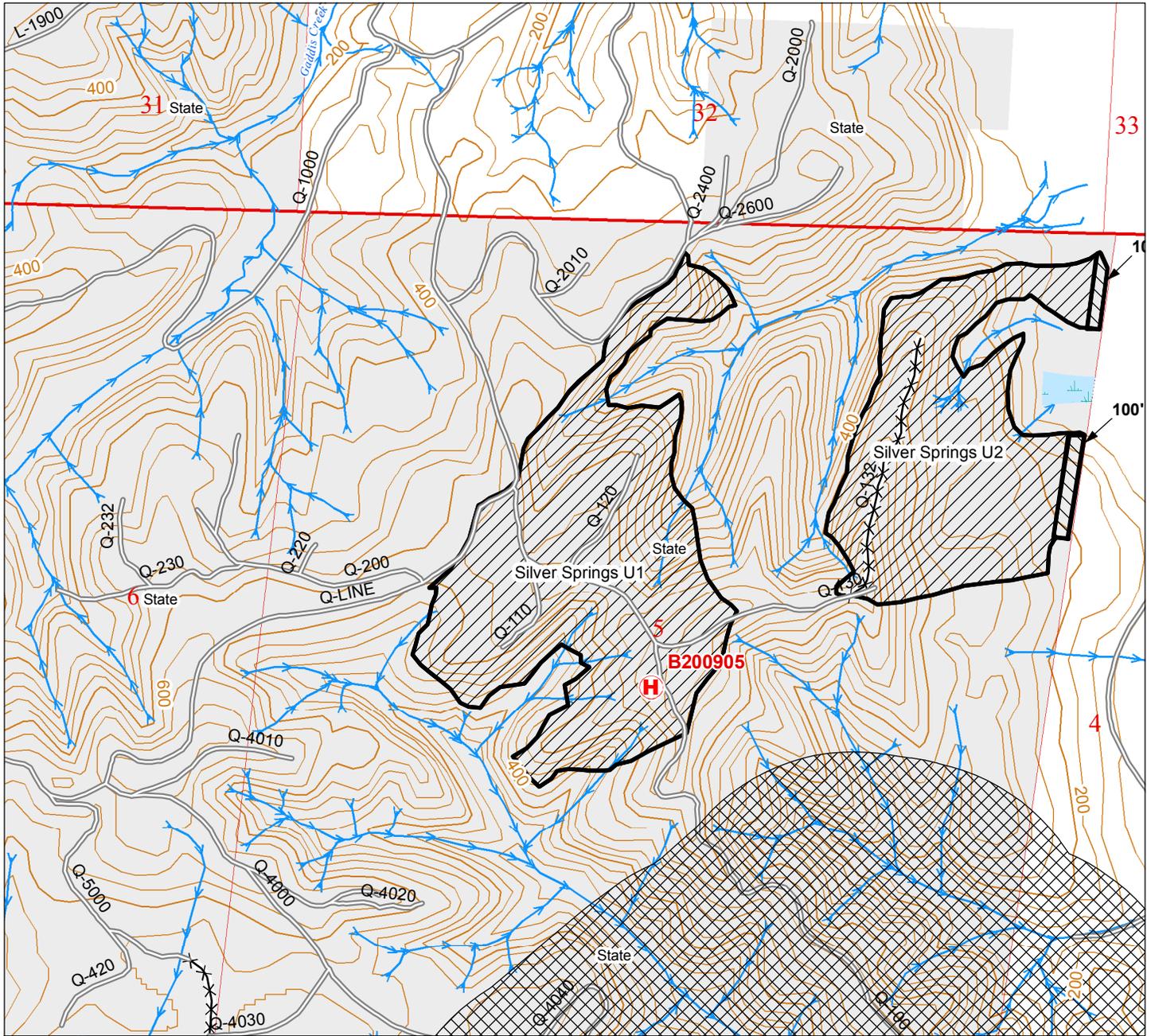
Pacific Cascade Black Hills Black River

Township 16N Range 5 W Section 5

Treatment Acres: 73

Unit Name: SILVER SPRINGS U1

Drift Control Acres: 10



Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: B200905 - N 46° 54' 7.2" W -123° 20' 20.4"

Miles to Heliport: 0

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

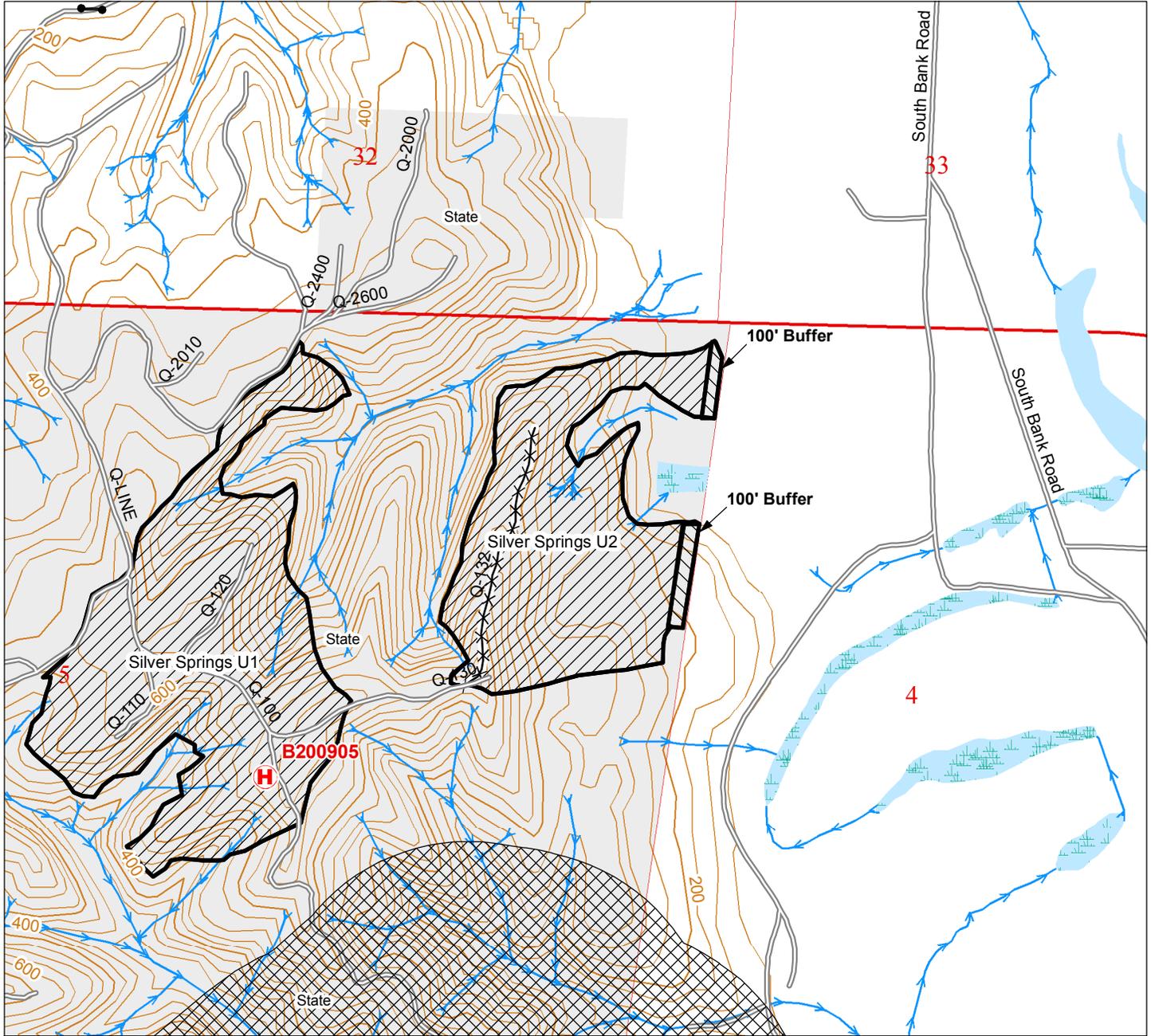
Pacific Cascade Black Hills Black River

Township 16N Range 5 W Section 5

Treatment Acres:50

Unit Name: SILVER SPRINGS U2

Drift Control Acres:5



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: B200905 - N 46° 54' 7.2" W -123° 20' 20.4"

Miles to Heliport: 0.3

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

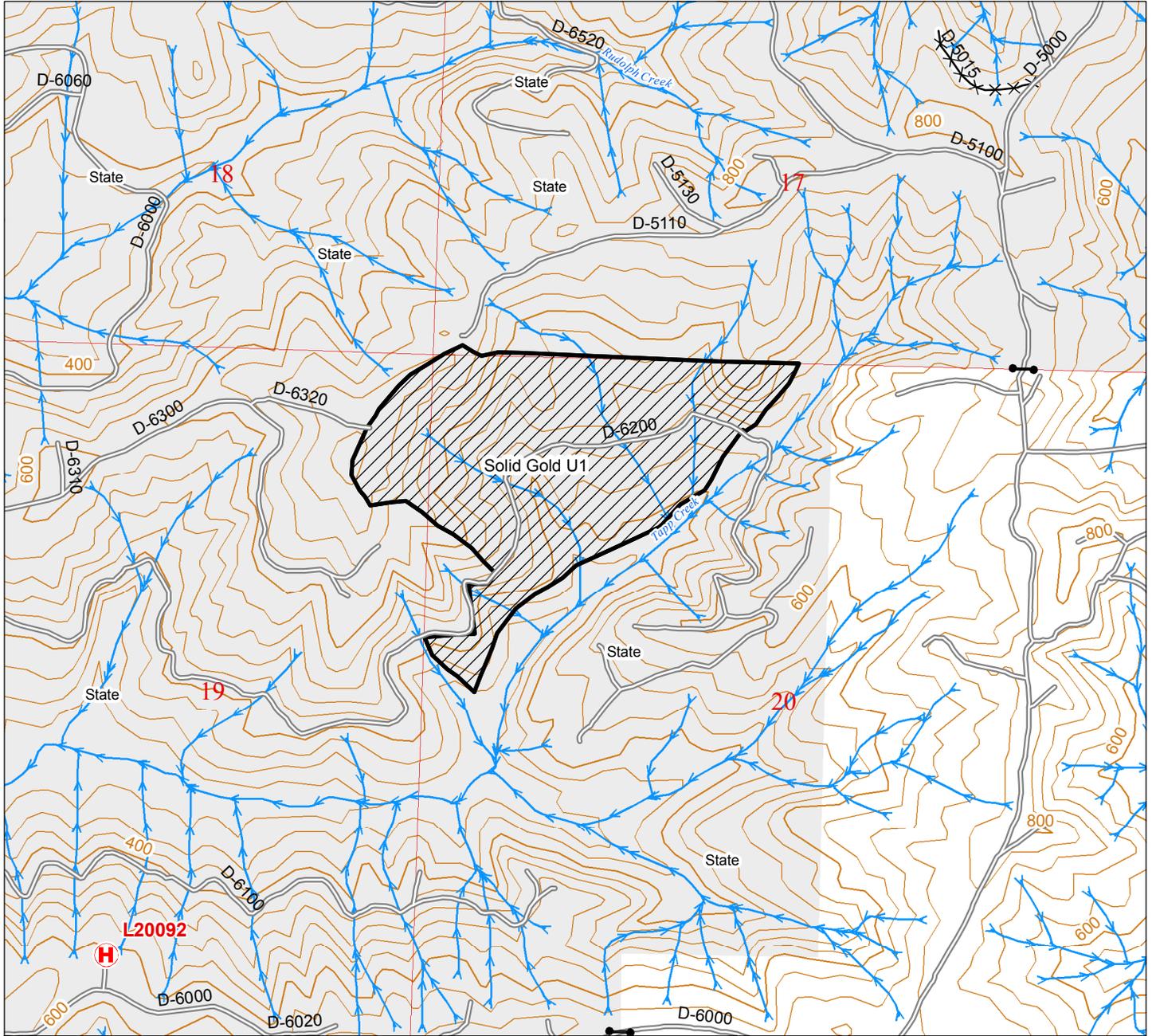
Pacific Cascade Lewis Lincoln

Township 14N Range 3 W Section 20

Treatment Acres: 67

Unit Name: SOLID GOLD U1

Drift Control Acres: 15



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20092 - N 46° 40.844' " W -123° 6.366' "

Miles to Heliport: 0.5

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

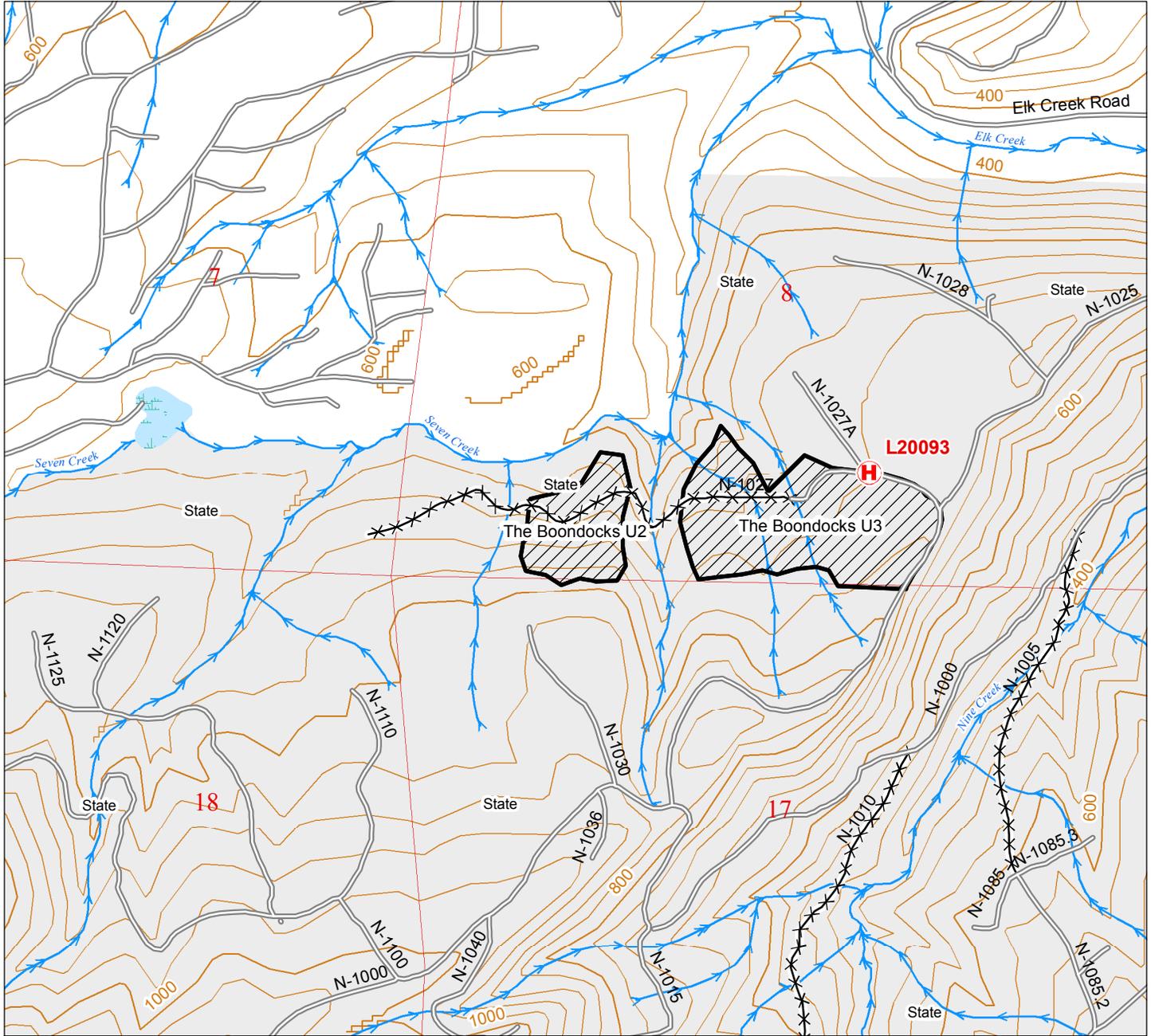
Pacific Cascade Lewis Lincoln

Township 13N Range 5 W Section 8

Treatment Acres: 10

Unit Name: THE BOONDOCKS U2

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20093 - N 46° 37.33' " W -123° 20.179' "

Miles to Heliport: 0.2

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

Jun 09, 2009

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

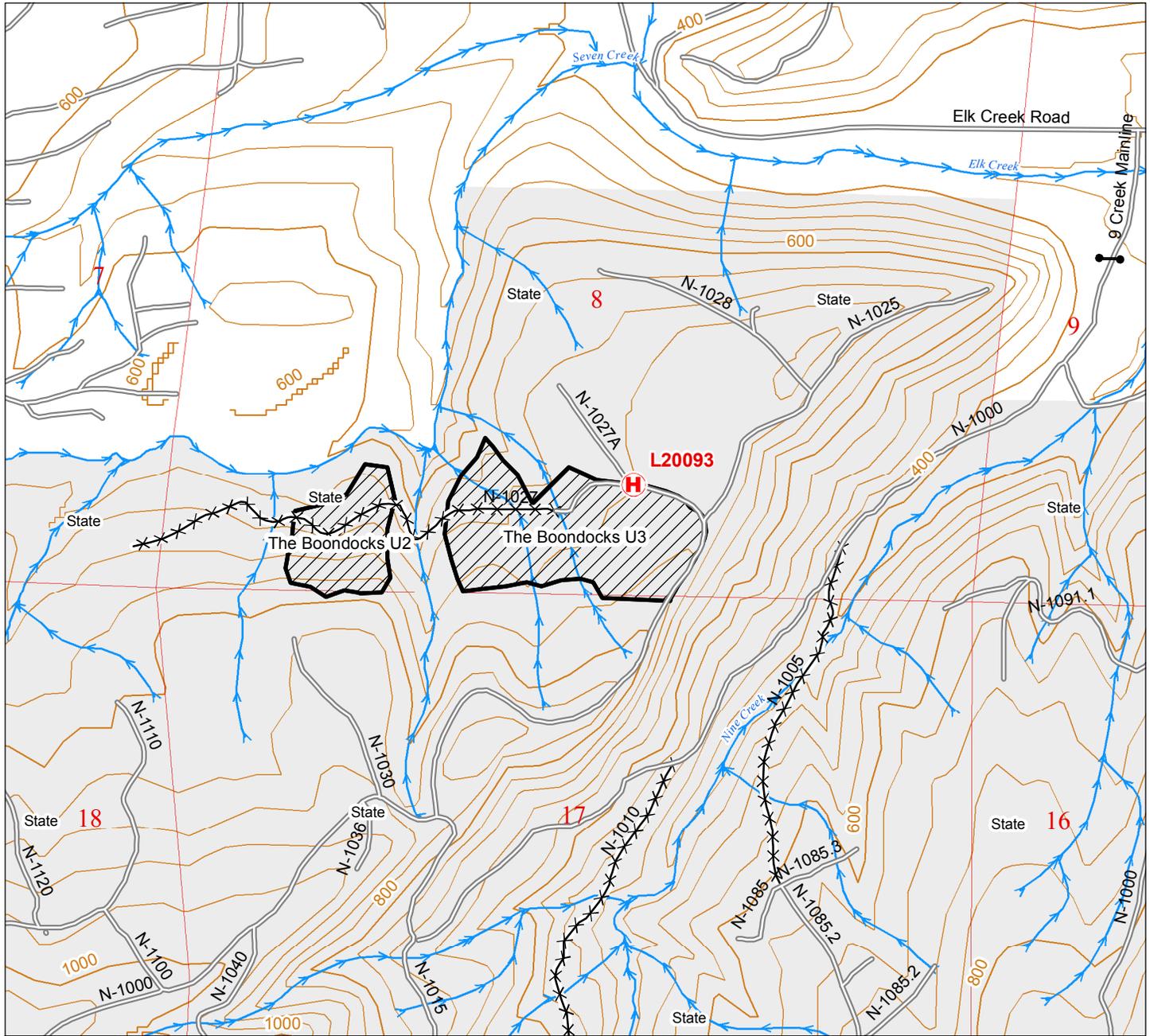
Pacific Cascade Lewis Lincoln

Township 13N Range 6 W Section 8

Treatment Acres: 27

Unit Name: THE BOONDOCKS U3

Drift Control Acres: 10



Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: L20093 - N 46° 37.33' " W -123° 20.179' "

Miles to Heliport: 0

Alternate Heliport Coordinates:

Miles to Alternate Heliport: 0

1:12,000

UNIT MAP

SITE PREPARATION, AERIAL HERBICIDE

Bid No. 1239

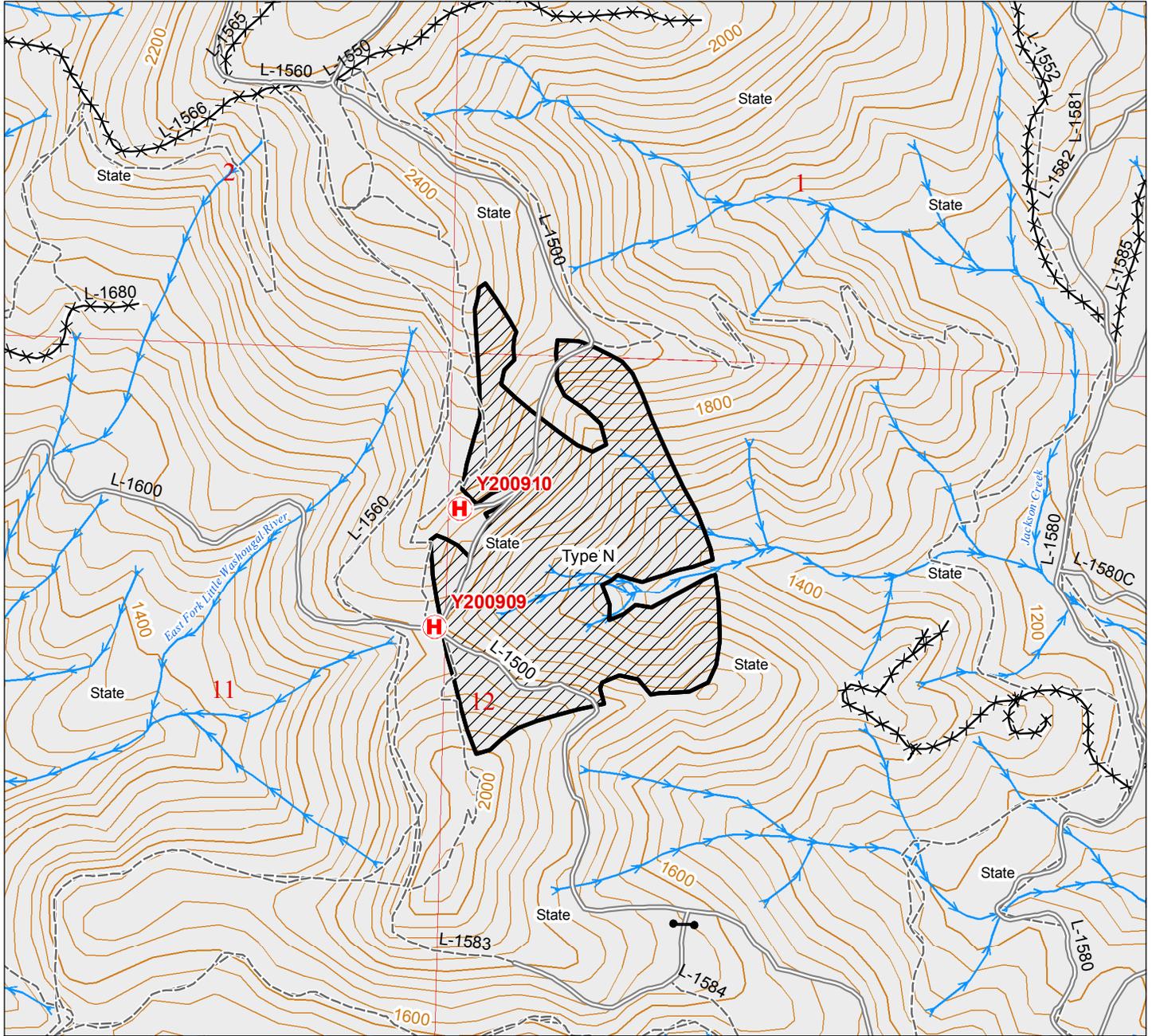
Pacific Cascade Yaoclt Silver Star

Township 2 N Range 4 E Section 12

Treatment Acres: 75

Unit Name: TYPE N

Drift Control Acres: 10



40' Contours

1:12,000

Legend

-  Treatment Area
-  No Spray Buffer
-  Existing Roads
-  Unknown Access
-  Trails
-  Heliport
-  No Fly Zone



Heliport Coordinates: Y200910 - N 45° 40' 36.1" W -122° 16' 12"

Miles to Heliport: 0

Alternate Heliport Coordinates: Y200909 - N 45° 40' 28.4" W -122° 16' 14.1"

Miles to Alternate Heliport: 0

Jun 09, 2009