

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

Northeast Region  
INVITATION TO BID/CONTRACT NUMBER 1129

Contract Digest for Stand Survey

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Notice to All Contractors  
Instructions to Bidders

SECTION I

NOTICE TO ALL CONTRACTORS

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

Department of Natural Resources  
P.O. Box 190  
Colville, WA 99114-0190

Bid Opening: Bids will be accepted at the department's Northeast Region office until 2:00 p.m. on August 31, 2006 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 Bob McKellar at (509) 684-7474.

## 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:

John X. Viada, Region Manager  
Department of Natural Resources  
S. 225 Silke Road  
P.O. Box 190  
Colville, WA 99114-0190

The bid and bid deposit must be received at the department's Northeast Region office prior to bid opening (see Notice to All Bidders, page 3).

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

Addressed to: John X. Viada, Region Manager  
Department of Natural Resources  
P.O. Box 190  
Colville, WA 99114-0190

Upper left corner: Bidder's Address

Lower left corner: Regeneration Survey – "Sealed Bid"  
Invitation to Bid No. 1129

Questions concerning this Invitation to Bid should be referred to department representative Bob McKellar of the Northeast Region office by calling (509) 684-7474.

## SECTION II

Division I -- Bidding Requirements

Division II -- General Provisions

Division III -- Specifications

Division IV -- Inspection Procedures

## SECTION II, Division I -- Bidding Requirements

### 1-10 Preparation of Bids

- 1-11 Bidders are expected to examine this entire Invitation to Bid 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 VI, "Offer and Contract Award".
- 1-22 Bids shall be submitted using the Bid Form, and the Offer and Contract Award form from SECTIONS V and VI of this document. 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 region manager as specified in Instructions to All Bidders (page 4): The Bid Form and the Offer and Contract Award form properly completed and signed, and a bid deposit as specified in Clause 1-23. No facsimiled, e-mailed, or any other non-original form of bids will be considered. 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 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 in the form of certified check or money order 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 1-45, and shall be in the form of 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.

1-30 Performance/Damage Deposit (continued)

1-32 Bid deposit 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 the 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, acting 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, the 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 contracts 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 \$100,00/\$300,000 personal injury and \$100,000 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 contract conflict with the Department, 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.

2-20 Responsibilities and Legal Relations (continued)

- 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. A contract representative may also act as a crew foreperson (Clause 3-51.02). The Contractor shall designate the contract representative and crew foreperson(s) 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 Compliance and payment for work performed will be based on the following:

- 2.41.01 The flagging, cutting lines, roads, etc., designated as boundaries under Section 2-100 and defined in detail on the Unit Description Table attached, provide the basis for determining acreage satisfactorily 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 by error. If work extends beyond unit boundaries, charges may be levied against the Contractor by the Department for damages suffered, or other parties suffering damages.

- 2.41.02 Determination of work satisfactorily completed is described in Clause 2-42A.

2-42A Satisfactory Work Compliance

- 2-42A.01 Plots established by the Contractor may be inspected by the Department to check contract specifications compliance and as a basis for determining satisfactory quality.

- 2-42A.02 A minimum of ten percent (10%) of plots will be inspected.

2-40 Determination of Payment (continued)

2-42B Unsatisfactory Work Compliance

2-42B.01 The Department representative will inspect the contract work to determine if work is satisfactory. The Contractor will be notified of any unsatisfactory unit(s) or parts thereof.

2-43 Payment shall be made as follows:

2-43.01 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 payments so arranged.

2-43.02 Partial payment may be made upon completion of part of a unit as determined by the Department. Requests 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 "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.

2-43.03 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.

2-43.04 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.

2-40 Determination of Payment (continued)

2-43.05 Ten percent (10%) 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. Upon determination that the Contractor has met all financial obligations for industrial insurance premiums related to the item(s) of this Contract, the 10% retainage will be returned to the Contractor. DNR will return this retainage approximately 45 days following close of the quarter in which the work was completed. However, if the Contractor notifies DNR in writing that they have paid all L&I premiums associated with the item(s) of this Contract, DNR will, upon determination that the Contractor has met all financial obligations for industrial insurance premiums related to the item(s) of this Contract, work diligently to return the retainage as soon as practical.

2-44 At the Department's option, the Contractor shall rework a unit on which the Contractor's work performance is not rated satisfactory (Division IV – Inspection Procedures), and further, it shall be the Department's option to require the rework be completed prior to starting new work. Rework areas will be reexamined for contract compliance, the resulting performance rating will supersede the previous performance rating for the area in question.

2-50 Nondiscrimination

2-51 Except to the extent permitted by a bona fide occupational qualifications, 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.

2-50 Nondiscrimination (continued)

- 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, 2-43.01, 2-72). The time and place of the prework 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 required 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 not 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 discussion between the Contractor and selected Department representatives prior to granting the required written permission. In the event.
- 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 Clause 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. 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.

## 2-90 Fire Responsibility (continued)

- 2-92 The Contractor shall not permit to operate any faulty power equipment saw having a spark arrester which has not been approved by the Department, a leaky gas cap, defective power cord, or any other condition which is known to start fires. During periods of dangerous weather as designated by the Department, saws may not be operated.
- 2-93 The Contractor shall not build any open fires at any time of the year on the contract area without first obtaining written permission from the Department.

## 2-100 Boundaries

- 2-101 Unit boundaries are described in the Unit Description. Contractor is responsible to identify boundaries and establish plots within the unit boundaries.
- 2-102 Net acreage as indicated in the Unit Description 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 Contract 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.
- 2-112 The data collected under the provisions of this contract is considered proprietary and the property of the Department as defined under the "works for hire" provisions of the U.S. Copyright Act of 1976. The Contractor shall not publish any of the data or analysis of the data developed under the provisions of this contract without the advance written permission of the Department.

## 2-120 Litter and Refuse

- 2-121 Litter and/or refuse brought into operating areas or 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 in connection with this Contract is not permitted.

## DIVISION III SPECIFICATIONS

### 3-10 Unit Description

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

### 3-20 Contractor and Department Obligations

- 3-21 The Contractor shall be responsible for the following:
  - A. To bear all costs of operation not specifically furnished by the Department under Clause Section 3-22.
  - B. To furnish all required safety equipment, fire equipment, and a vehicle to transport workers.
  - C. To provide trained employees or the training necessary to enable employees to identify native forest plants. A two year technical degree in Natural Resources or three (3) months of regeneration survey experience will meet this requirement. New employees will work under the supervision and in the same unit as a trained employee until the experience requirement is met.
  - D. To provide waterproof markers to mark on flagging to identify plot centers and reference points.
- 3-22 The Department shall be responsible for the following:
  - A. To provide maps or other data necessary to orient the Contractor.
  - B. To provide a Department representative to acquaint the Contractor with the unit(s) and to conduct periodic field inspections.
  - C. To provide colored ribbon at a rate of one (1) roll per five (5) plots to mark survey lines and reference points. Color ratio will be nine (9) rolls of pink to one (1) roll of chartreuse.
  - D. To provide plot and cover cards to record survey data.
  - E. To provide lock combinations or keys to locked gates restricting access to units.

### 3-30 General Specifications

- 3-31 Any debris or soil deposited in ditches, culverts, or roadways shall be removed immediately.
- 3-32 Activities that will result in excessive deterioration of ditches, culverts, or roadways shall be avoided.
- 3-33 Any legal land subdivision survey corners and/or witness objects are to be preserved. If destroyed or disturbed such points shall be re-established by a licensed land surveyor in accordance with the U.S. General Land Office standards.

### 3-40 Location of Survey Route and Plot Centers

- 3-41 Plot location shall be established on a east-west by north-south grid unless another grid is authorized by the contract administrator. Grid size will be indicated on the Unit Description.
- 3-42 The survey route which consists of survey lines actually traveled, travel between plots on the diagonal is permitted, shall be marked with pink colored ribbon not more than one (1) chain between ribbons or at a shorter distance so that the ribbons are plainly viable from each other. When possible the ribbon shall be tied at eye level. The survey route shall be shown on the cover card unit map.
- 3-43 When the survey route crosses a road or trail that provides easy access to the unit a reference point shall be established. A reference point shall consist of a piece of pink and a piece of chartreuse ribbon, one of which has the bearing and distance to the next plot clearly written on the ribbon. Reference point locations shall be indicated on the unit description map. A minimum of one (1) reference point is required per unit or portion of a unit where the survey route is unbroken.
- 3-44 Plot center shall be identified by tying a pink ribbon to a branch or stick placed firmly in the ground at plot center. The branch or stick shall be greater than one (1) foot above ground. The plot number and surveyors initials shall be clearly written on the pin flag. Two (2) separate pieces of chartreuse ribbon shall also be tied at eye level as near as possible to plot center but perpendicular to the survey line.
- 3-45 When a plot or portion of a plot falls on a constructed obstacle, i.e., road or borrow pit, plot center shall be moved along, forward or backward, the survey route in one (1) chain multiples until the plot is no longer impacted by the constructed obstacle. The plot translocation shall be indicated on the cover card unit map.

### 3-40 Location of Survey Route and Plot Centers (continued)

- 3-46 When a portion of a plot falls outside of the unit, in an established riparian management zone, in an established riparian leave area, or within a recognizable stream course, plot center shall be moved along, forward or backward, the survey route in one (1) chain multiples until the plot is no longer impacted by the obstacle. The plot translocation shall be indicated on the cover card unit map.

### 3-50 Survey Procedures

- 3-51 Plots shall be 1/250<sup>th</sup> acre circular plots with a radius of seven (7) feet five (5) inches, measured on a horizontal plane passing through plot center.
- 3-52 Two types of cards are used for each unit. The plot cover card contains summary information for the unit as well as a map completed by the contractor that shows plot location and other pertinent information.

The plot card is used to record data for each plot. Up to four (4) lines may be used per plot. The Contractor will provide the Department with a list of any abbreviations used on either the Cover or Plot cards.

### 3-60 Regeneration Plot Card Procedures

- 3-61 The total number of conifer trees on each plot shall be recorded on the plot card by species. A tree is defined as being 12 inches or more in height.
- 3-62 The comment section of the regeneration card is used to document any shifts in plot location or other comments the Contractor may make about the survey unit including which stratum or stand regeneration problems are observed.
- 3-63 All sampled Largest and Average Tree will be identified with 2 pieces of red ribbon on the top lateral branch.
- 3-64 Additional procedures are specified on the individual unit description forms.

### 3-70 Reforestation Cover Card Procedures

- 3-71 All blanks in the top half on the cover card are to be completed except for the INSPECTED BY line that will be completed by the Compliance Inspector. The Unit Description form will contain the information necessary to complete the cover card.
- 3-72 The Unit Damage section of the cover card is to be used to record any significant damage the Contractor encounters while surveying the unit. No quantitative measures are required.

- 3-73 The Comment Section of the cover card is used to document any shifts in plot location or other comments the Contractor wants to make about the survey unit.
- 3-75 The Contractor shall show the plot locations in the survey unit as well as salient features of the unit, such as roads, streams, and unit boundaries on either the Unit Map in the contract or in the space provided on the cover card. The map must be neat and readable, but does not have to be to scale. If the map does not show the locations of the plots as located on the ground the survey cards will be returned to the contractor for correction.
- 3-76 The Department will complete the remainder of the information on the cover card based upon information from the plot card(s).

## DIVISION IV INSPECTION PROCEDURES

### 4-10 General Procedures

- 4-11 The Contractor will deliver all completed Cover and Plot cards to the Department when an inspection is desired. A Department representative will inventory and sign for the completed survey cards.
- 4-12 Any card that is not completely filled out, that is not readable, or contains an unknown abbreviation will be returned for correction to the Contractor along with any other cards for the same unit. No inspection or payment will be made for returned cards (Clause 2-42).
- 4-13 A minimum of ten (10) percent of the plots in a unit may be inspected. The Department at its option may inspect a higher percentage of the plots to determine contract compliance.
- 4-14 Any unit where the plot number marked on the unit map and the number on the plot center pin flag do not match will be returned for rework without further inspection.
- 4-15 Any unit where the measured distance between established plots is more than ten (10) percent different than the required grid distance will be returned for rework without further inspection.
- 4-16 Any cover card with more than two (2) error points is unacceptable. Plots inspected in the unit can not average more than two (2) error points per plot card. Any unit that fails inspection will be returned to the contractor. At the option of the Department the contractor may be required to reserve the unit by establishing new survey lines and plots.

### 4-20 Cover Card Scoring

- 4-21 Each blank on the cover card not filled in correctly will equal one error point.

4-30 Plot Card Scoring

4-31 A point shall be deducted for each of the following errors on each plot card:

- A. A missing plot number.
- B. Recorded data is outside the allowable errors list in the table below.

Item	Allowable Error
Total Tree Count	+/- 10%
BA Count	+/- 1 Tree
Total Height Measurement	+/- 5 %
3 Year Height Growth	+/- 5%
Tree Age	+/- 1 Year

## SECTION III

### Sample Reforestation Cover and Plot Cards

NORTHEAST REGION  
DEPARTMENT OF NATURAL RESOURCES  
REFORESTATION COVER CARD

Unit Name: \_\_\_\_\_

District: Highlands

Unit No.: \_\_\_\_\_ Acres: \_\_\_\_\_

Number of Plots: \_\_\_\_\_ Plot Size: \_\_\_\_\_ Acre Grid Size: \_\_\_\_\_ by \_\_\_\_\_ Chain Date: \_\_\_\_\_

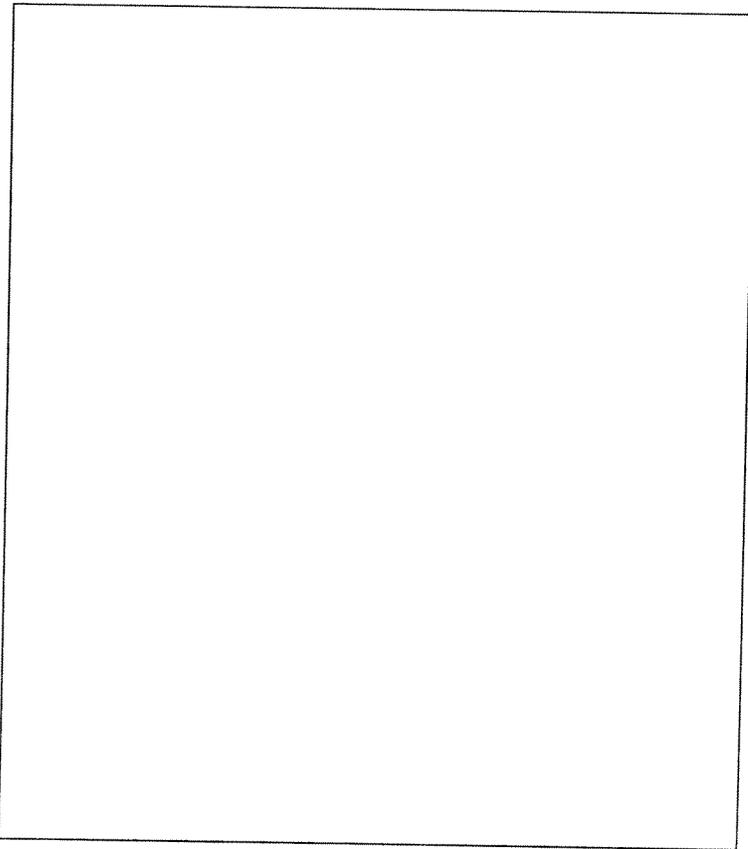
Survey Crew:

Unit Damage:

Comments:

Inspected By: \_\_\_\_\_ Date: \_\_\_\_\_ Compliance Percent: \_\_\_\_\_

Unit Map (Plot Location) Unit Name: \_\_\_\_\_ Unit No.: \_\_\_\_\_





## SECTION IV

### Unit Description and Maps

UNIT DESCRIPTION

STAND SURVEY

INVITATION TO BID NO.: 1129

Region: Northeast

District: Highlands

Unit Name: 4845 Lodgepole

Item No.: 4

Unit Nos.: 1-7

Trust: 03

Sections 11, 12, 13, 14 and 23, all in Township 38 North, Range 23 East, W.M.

**SPECIFICATIONS**

Contract Period: September 1, 2006 to October 31, 2007

Net Acres: 324

Grid Size: See Special Requirements

Number of Plots: 131, minimum of ten plots per unit

Boundaries: Standing timber and old red ribbon and timber sale tags/flashers bound all units. See Unit Maps on Pages 28-35

Special Requirements: Use appropriate grid to ensure coverage of the entire unit area. Target plot intensity is two plots every five acres. Preliminary stratification is provided in additional comments and attached map. Subsequent field stratification to a minimum size of five acres will be based on the following stand-level indicators:

1. Stocking status (e.g. non-satisfactorily restocked vs. satisfactorily restocked, greater than 1,000 stems per acre difference in stand density, above or below minimum forest practice stocking criteria of 150 trees per acre.
2. Forest health factors (e.g. root disease pocket)
3. Recommended treatments (e.g. fill planting, vegetation management)
4. Stand structure (evenaged vs. multi-story)

Ensure a minimum of five plots per stratum identified in the field.

Use a BAF 5 prism. With the prism, sweep around the sample point and count the number of "in" trees with dbh greater than or equal to ten (10) inches. Exclude from the overstory tally both dead and "almost dead" trees. For each tree "in" collect dbh and species information.

On each plot conduct a height sample for an average tree and the tallest tree less than 10 inches dbh by species. Measure the leader growth over the past three years (inches).

Directions to Unit: Please see the Vicinity Map for unit locations.

**GENERAL INFORMATION** – The following information is provided as a courtesy to bidders. This information is a general estimate and as such may not be accurate.

Elevation: 6,000 feet

Slope: 0-35%

Aspect: Variable

Year Planted: None – all natural

Species Planted: N/A

Prior Activities: Regeneration harvest with isolated legacy trees in 2000.

Additional Comments: All harvest units were left for artificial regeneration.

VICINITY MAP

STAND SURVEY

INVITATION TO BID/CONTRACT NUMBER 1129

Region: Northeast

District: Highlands

Local: N/A

Trust: 03

County: Okanogan

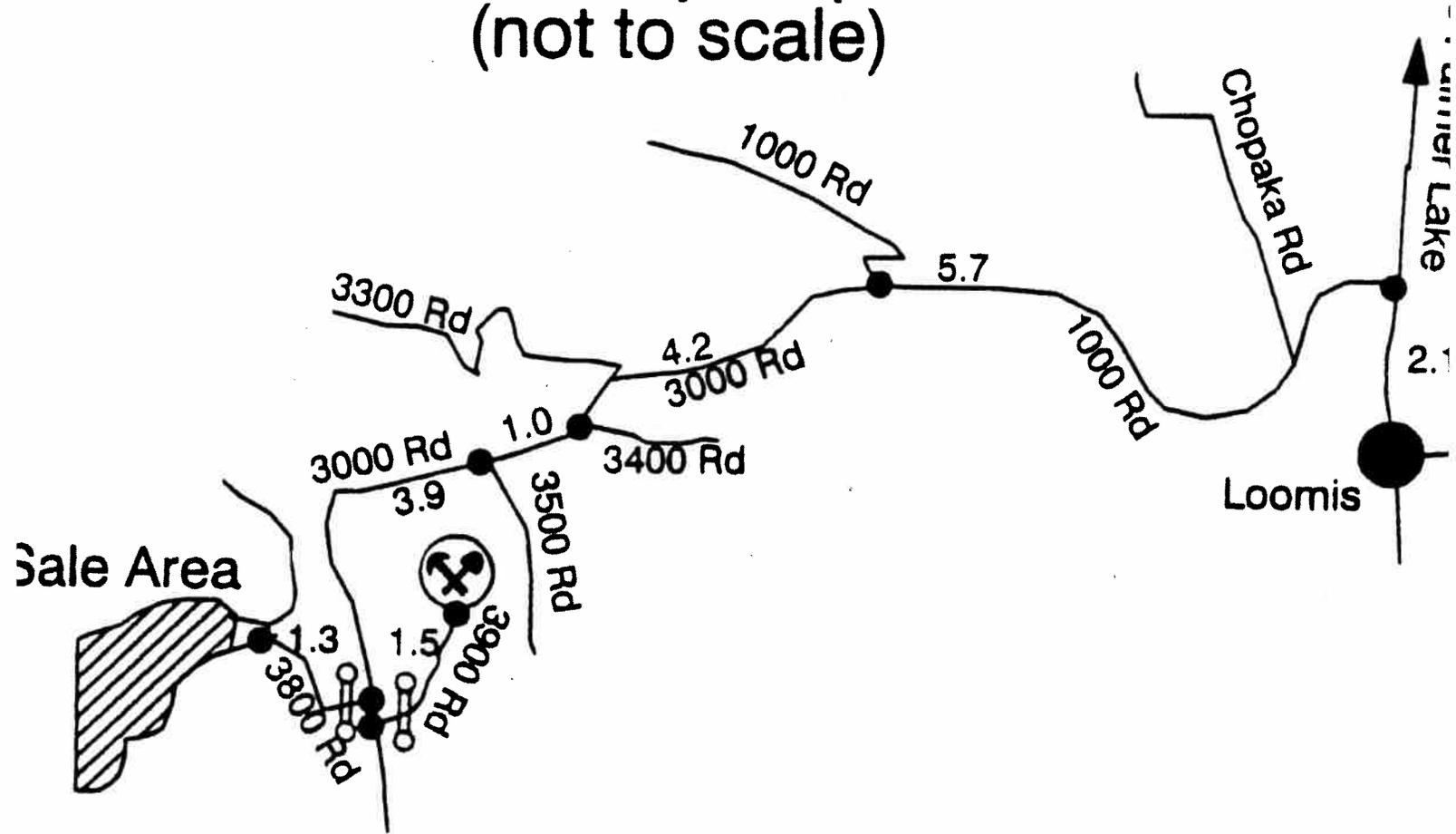
Sections 11, 12, 13, 14 and 23, all in Township 38 North, Range 23 East, W.M.

Unit Name: 4845 Lodgepole

Item No.: 1

Unit Nos.: 1-7

# Vicinity Map (not to scale)



# TIMBER SALE MAP

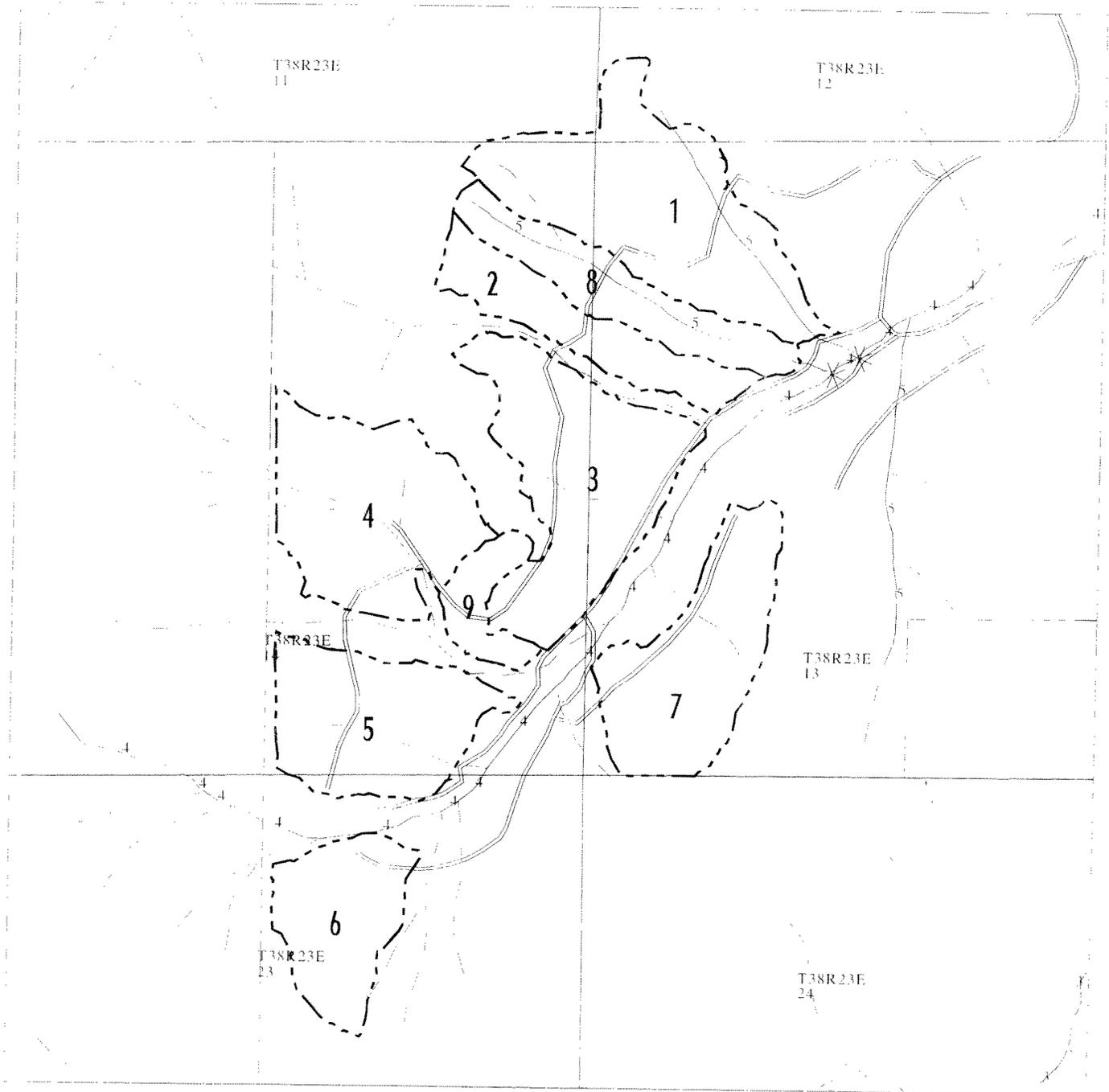
Requestor: NATHAN DAVIS

Map Date: 04/07/06

Timber Sale Name: 4845 LODGEPOLE

Mapsheet 1 of 1

Job ID: 311109



Scale 1:15365

79.28

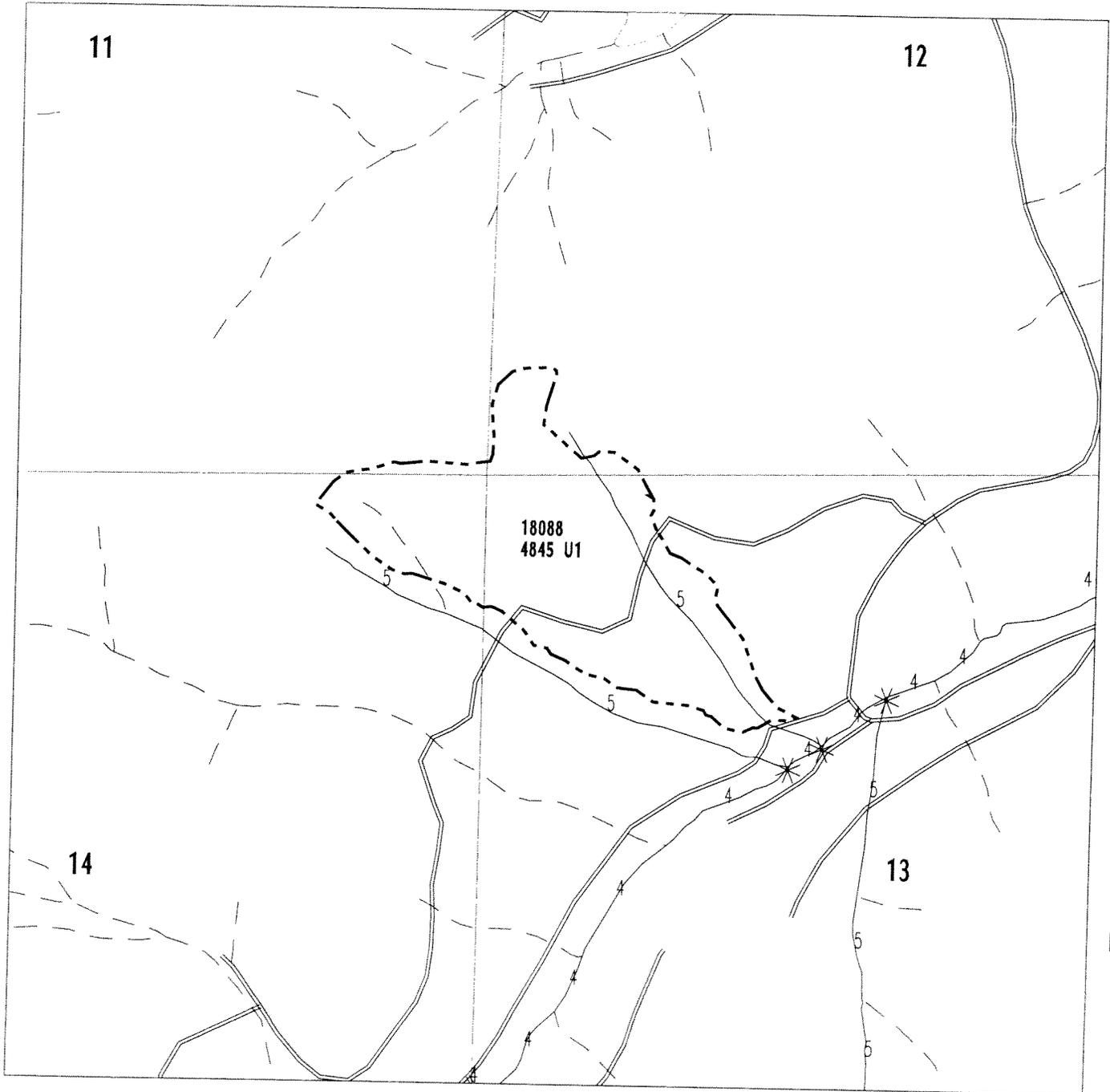
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 1

T38N-R23E SEC 14,13,12,11  
UNIT NAME: 4845 U1

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area  
 Buffer Area

 Unit Boundary  
 Stream  
1 - 5 Water Types

 Paved Road  
 Unpaved Road  
 Other Surface

Scale 1:12000

Page No. \_\_\_\_\_

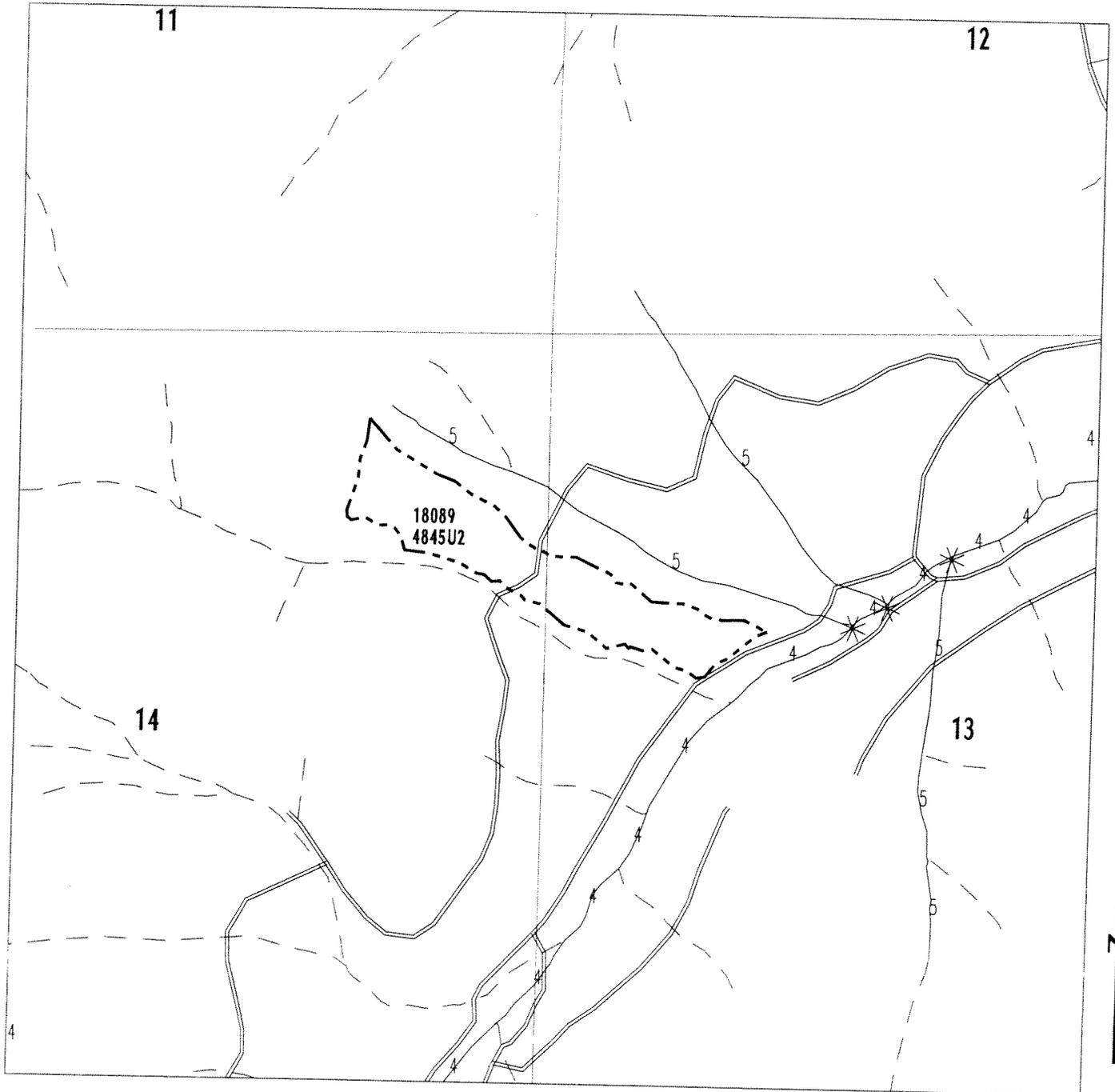
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 2

T38N-R23E SEC 14,13  
UNIT NAME: 4845U2

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary     |  Paved Road    |
|  Buffer Area    |  Stream            |  Unpaved Road  |
|  |  1 - 5 Water Types |  Other Surface |

Scale 1:12000

Page No. 30

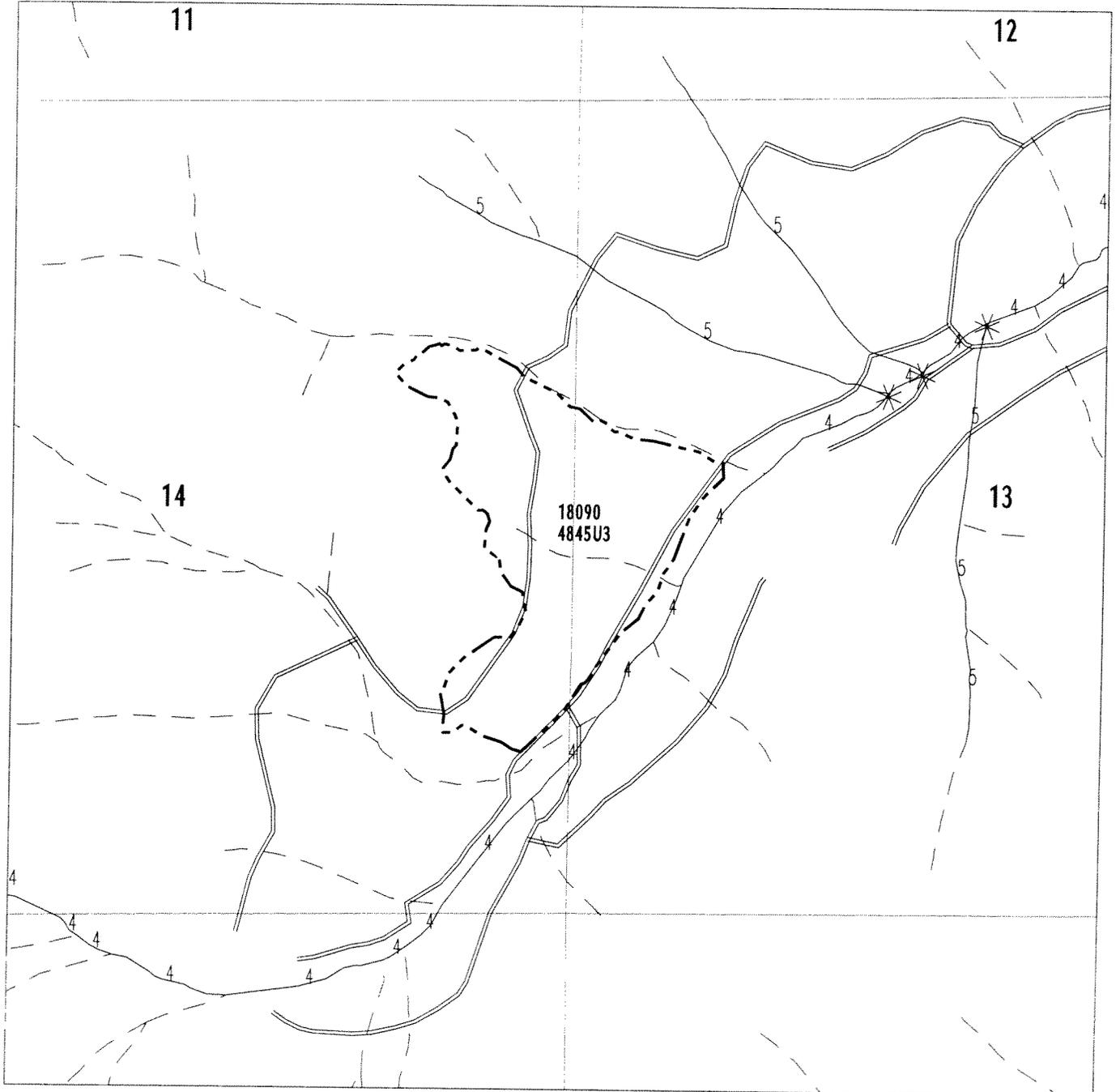
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 3

T38N-R23E SEC 14,13  
UNIT NAME: 4845U3

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Unit Boundary



Paved Road



Buffer Area



Stream

1 - 5 Water Types



Unpaved Road



Other Surface

Scale 1:12000

Page No. 31

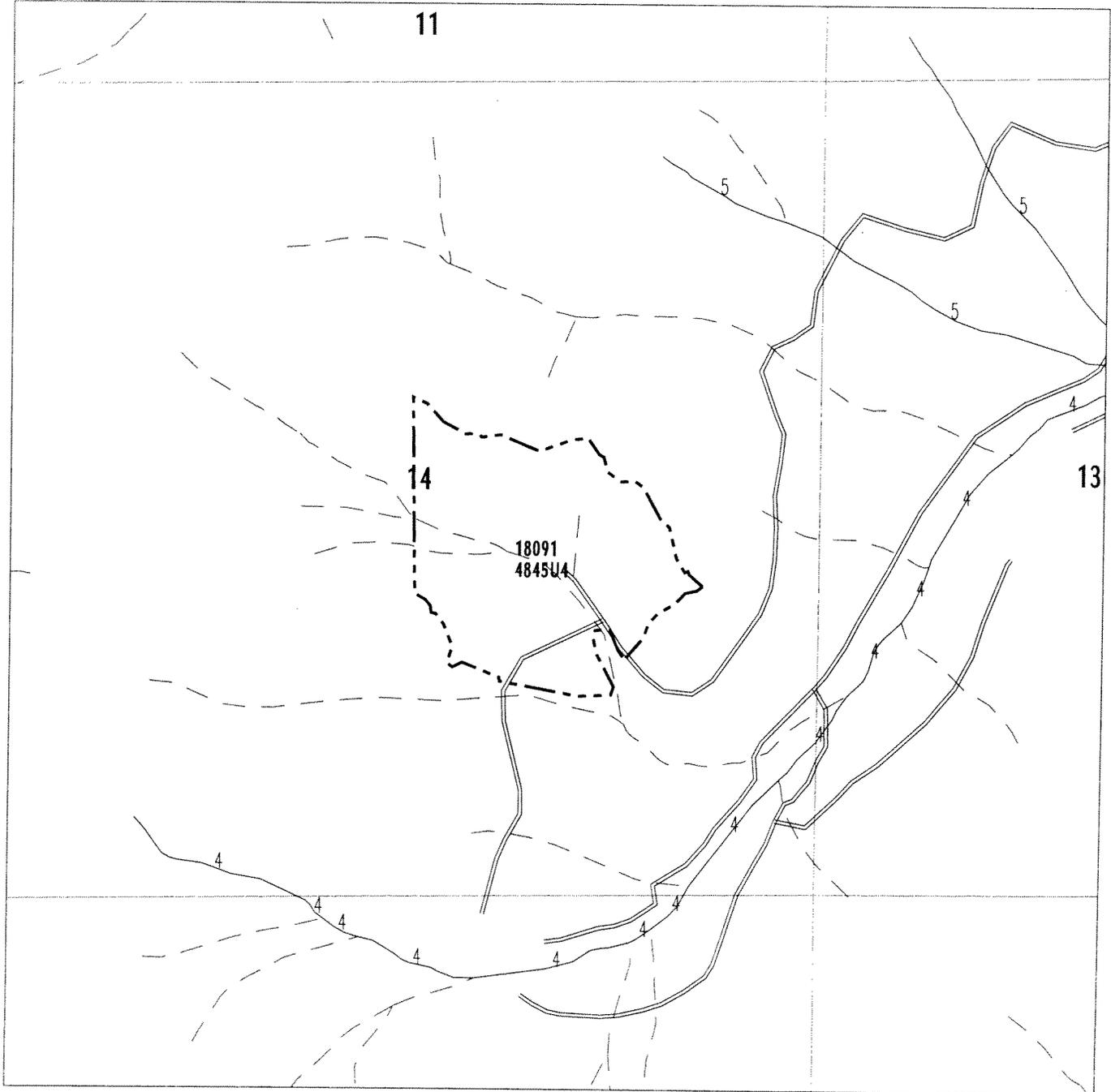
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 4

T38N-R23E SEC 14  
UNIT NAME: 4845U4

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Buffer Area



Unit Boundary



Stream

1 - 5

Water Types



Paved Road



Unpaved Road



Other Surface

Scale 1:12000

Page No. 32

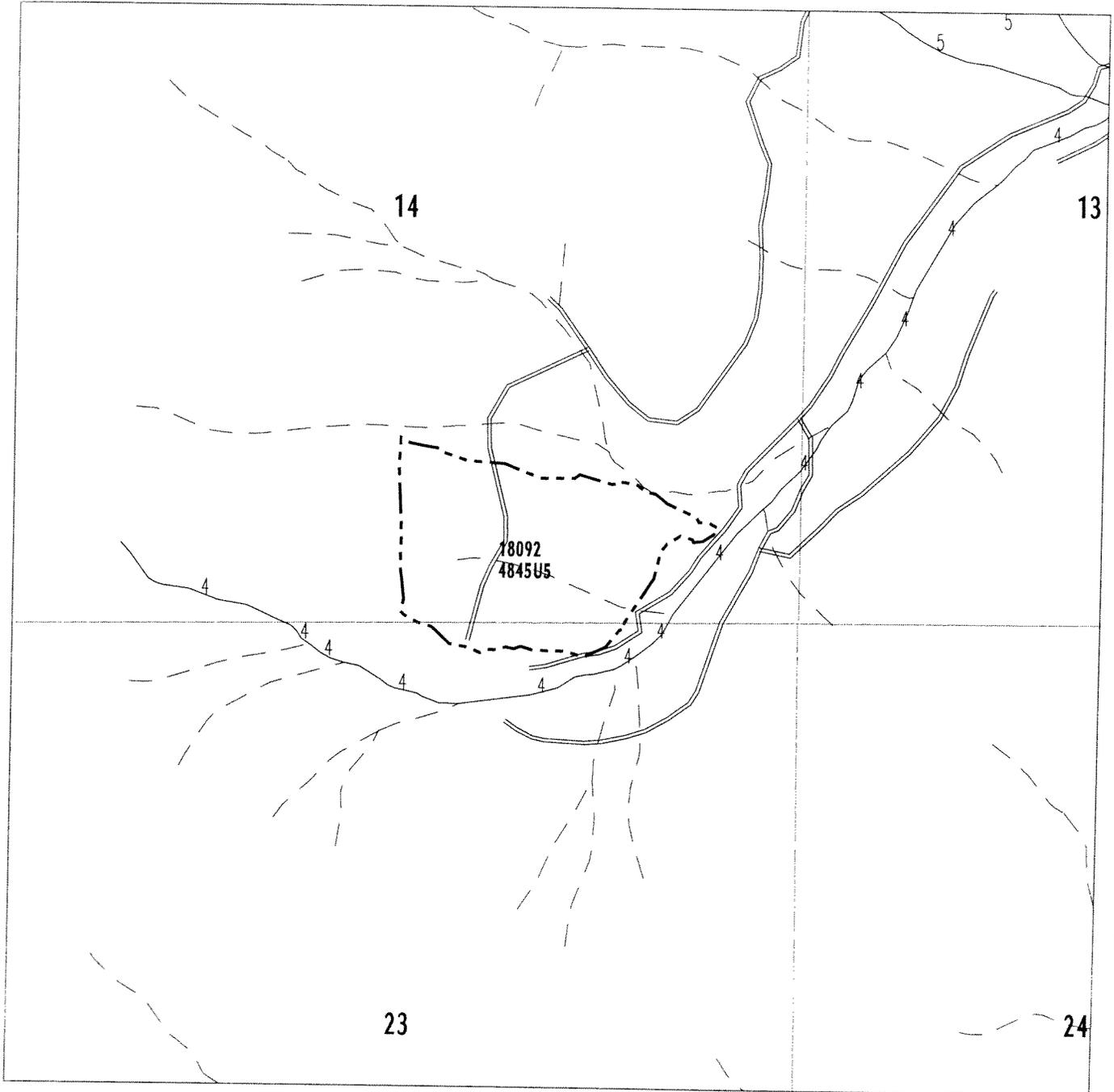
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 5

T38N-R23E SEC 23,14  
UNIT NAME: 4845U5

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |               |  |               |
|---|----------------|---|---------------|--|---------------|
|  | Treatment Area |  | Unit Boundary |  | Paved Road    |
|  | Buffer Area    |  | Stream        |  | Unpaved Road  |
|   |                | 1 - 5   | Water Types   |  | Other Surface |

Scale 1:12000

Page No. 33

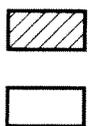
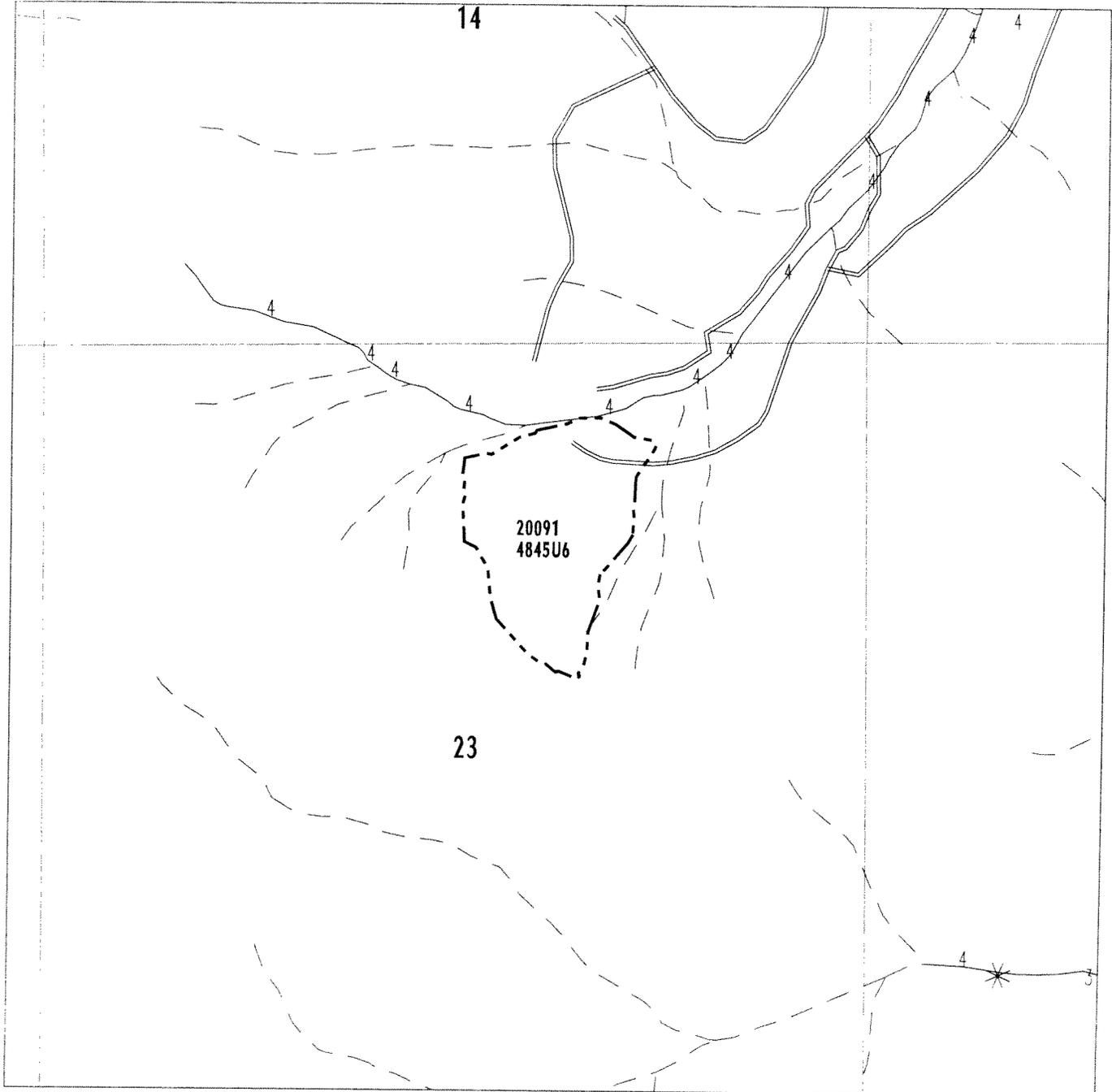
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 6

T38N-R23E SEC 23  
UNIT NAME: 4845U6

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area

Buffer Area

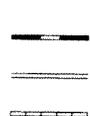


Unit Boundary

Stream

1 - 5

Water Types



Paved Road

Unpaved Road

Other Surface

Scale 1:12000

Page No. 34



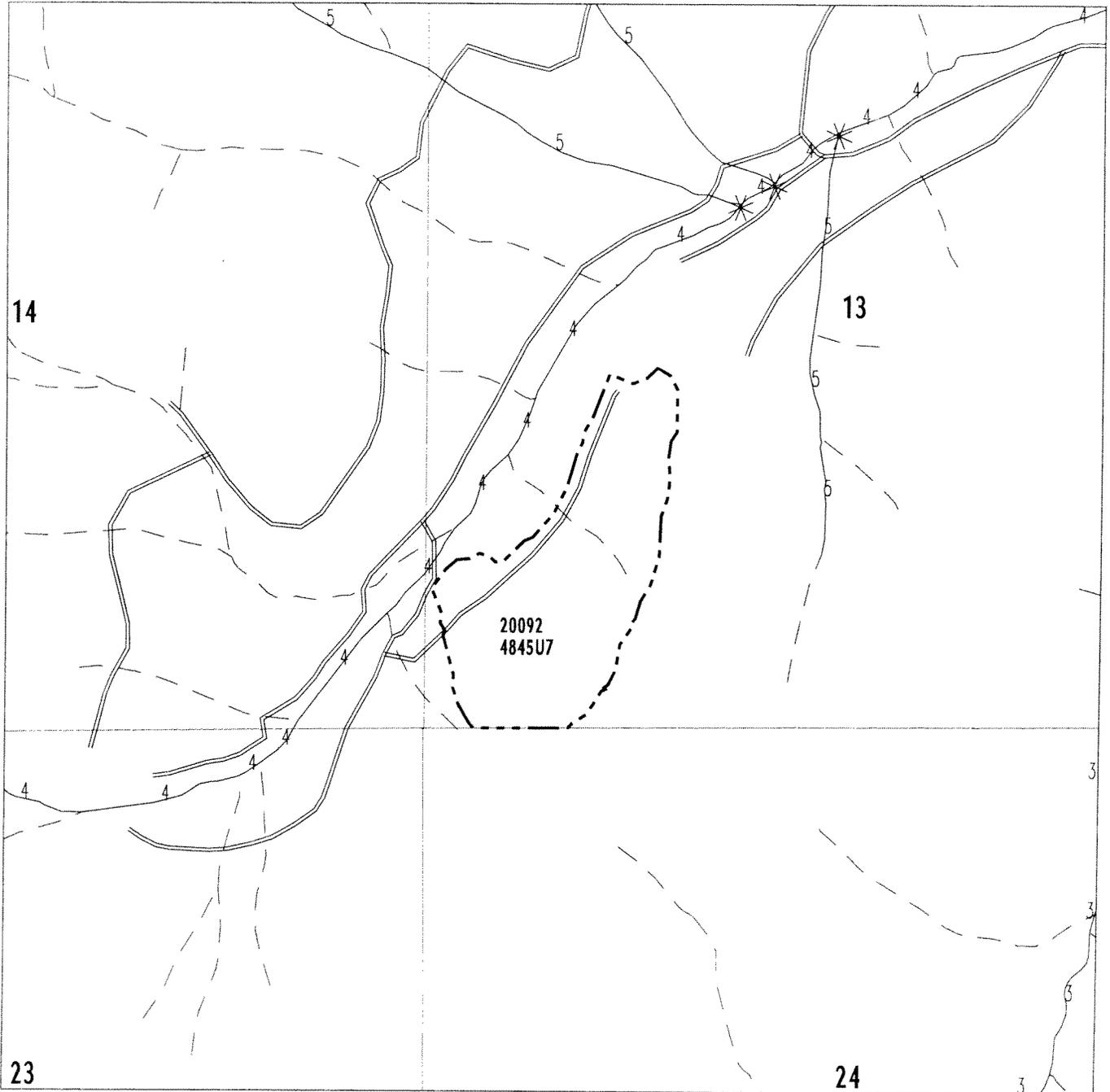
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 7

T38N-R23E SEC 13  
UNIT NAME: 4845U7

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Buffer Area



Unit Boundary



Stream

1 - 5

Water Types



Paved Road



Unpaved Road



Other Surface

Scale 1:12000

Page No. 35

## UNIT DESCRIPTION

STAND SURVEY

INVITATION TO BID NO.: 1129

Region: Northeast

District: Highlands

Unit Name: Crazy Beetle Bugkill

Item No.: 1

Unit Nos.: 8-13

Trust: 03

Sections 15 and 22, all in Township 39 North, Range 24 East, W.M.

### SPECIFICATIONS

Contract Period: September 1, 2006 to October 31, 2007

Net Acres: 202

Grid Size: See Special Requirements

Number of Plots: 86, minimum of ten plots per unit

Boundaries: Standing timber and old red ribbon and timber sale tags/flashers bound all units. See Unit Maps on Pages 38-44

Special Requirements: Use appropriate grid to ensure coverage of the entire unit area. Target plot intensity is two plots every five acres. Preliminary stratification is provided in additional comments and attached map. Subsequent field stratification to a minimum size of five acres will be based on the following stand-level indicators.

1. Stocking status (e.g. non-satisfactorily restocked vs. satisfactorily restocked, greater than 1,000 stems per acre difference in stand density, above or below minimum forest practice stocking criteria of 150 trees per acre.
2. Forest health factors (e.g. fill planting, vegetation management)
3. Recommended treatments (e.g. fill-planting, vegetation management)
4. Stand structure (evenaged vs. multistory)

Ensure a minimum of five plots per stratum identified in the field.

Use a BAF 5 prism. With the prism, sweep around the sample point and count the number of "in" trees with dbh greater than or equal to ten (10) inches. Exclude from the overstory tally both dead and "almost dead" trees. For each tree "in" collect dbh and species information.

On each plot conduct a height sample for an average tree and the tallest tree less than ten inches dbh. Measure the leader growth over the past three years (inches).

Directions to Unit: Please see Vicinity Map for the unit locations

**GENERAL INFORMATION** – The following information is provided as a courtesy to bidders. This information is a general estimate and as such may not be accurate.

Elevation: 5,000 feet

Slope: 0-35%

Aspect: Variable

Year Planted: 2002

Species Planted: Western larch, Douglas fir

Prior Activities: Regeneration harvest with scattered legacy trees in 1998. Artificial regeneration in 2001 in Unit 4, and artificial regeneration in 2002 in Units 1, 3, 5, and 6.

Additional Comments: Regeneration harvest leaving isolated scattered Engelmann spruce and Douglas fir. See attached history map(s) of planting. The remainder of the areas were left for natural regeneration. Units 1, 3, 4, 5, and 6 were planted with 300 stems per acre. Unit 2 was left for natural regeneration.

VICINITY MAP

STAND SURVEY

INVITATION TO BID/CONTRACT NUMBER 1129

Region: Northeast

District: Highlands

Local: N/A

Trust: 03

County: Okanogan

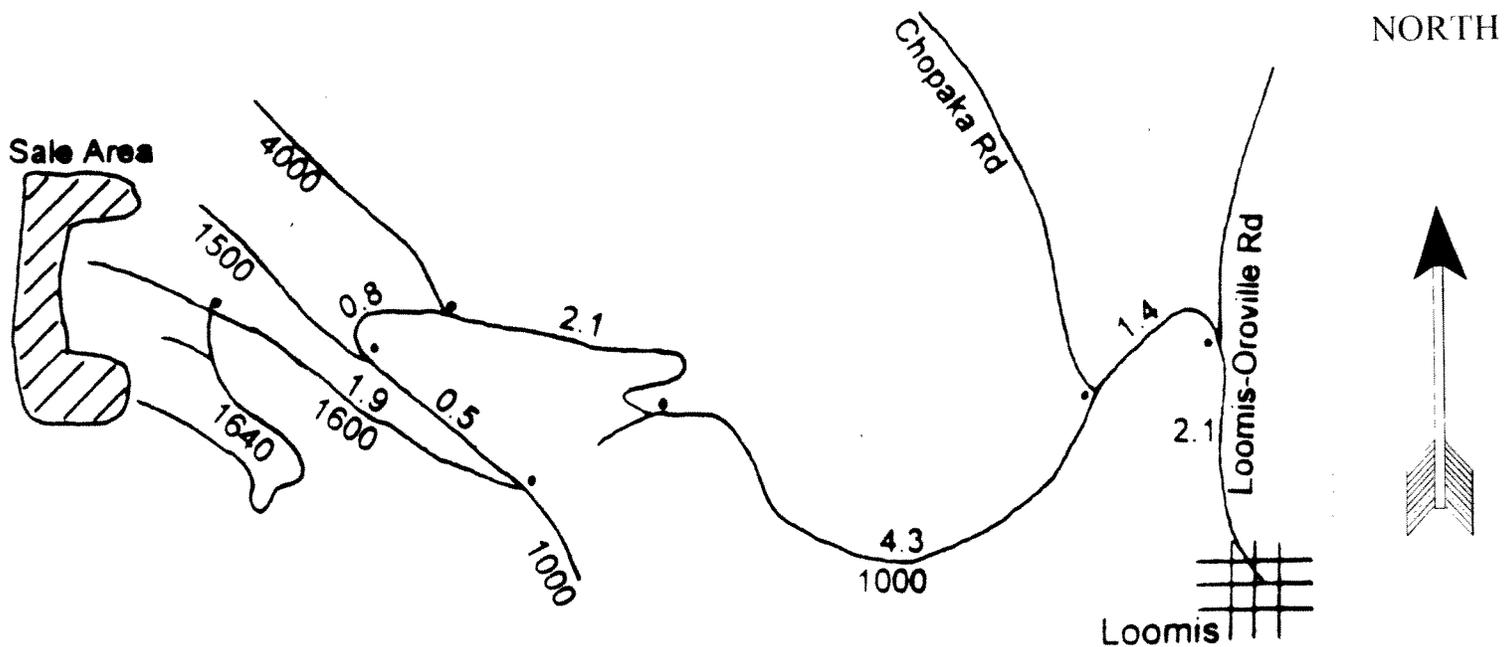
Sections 14 and 22, all in Township 39 North, Range 24 East, W.M.

Unit Name: Crazy Beetle Bugkill

Item No.: 1

Unit Nos.: 8-13

VICINITY MAP (NTS)



# TIMBER SALE MAP

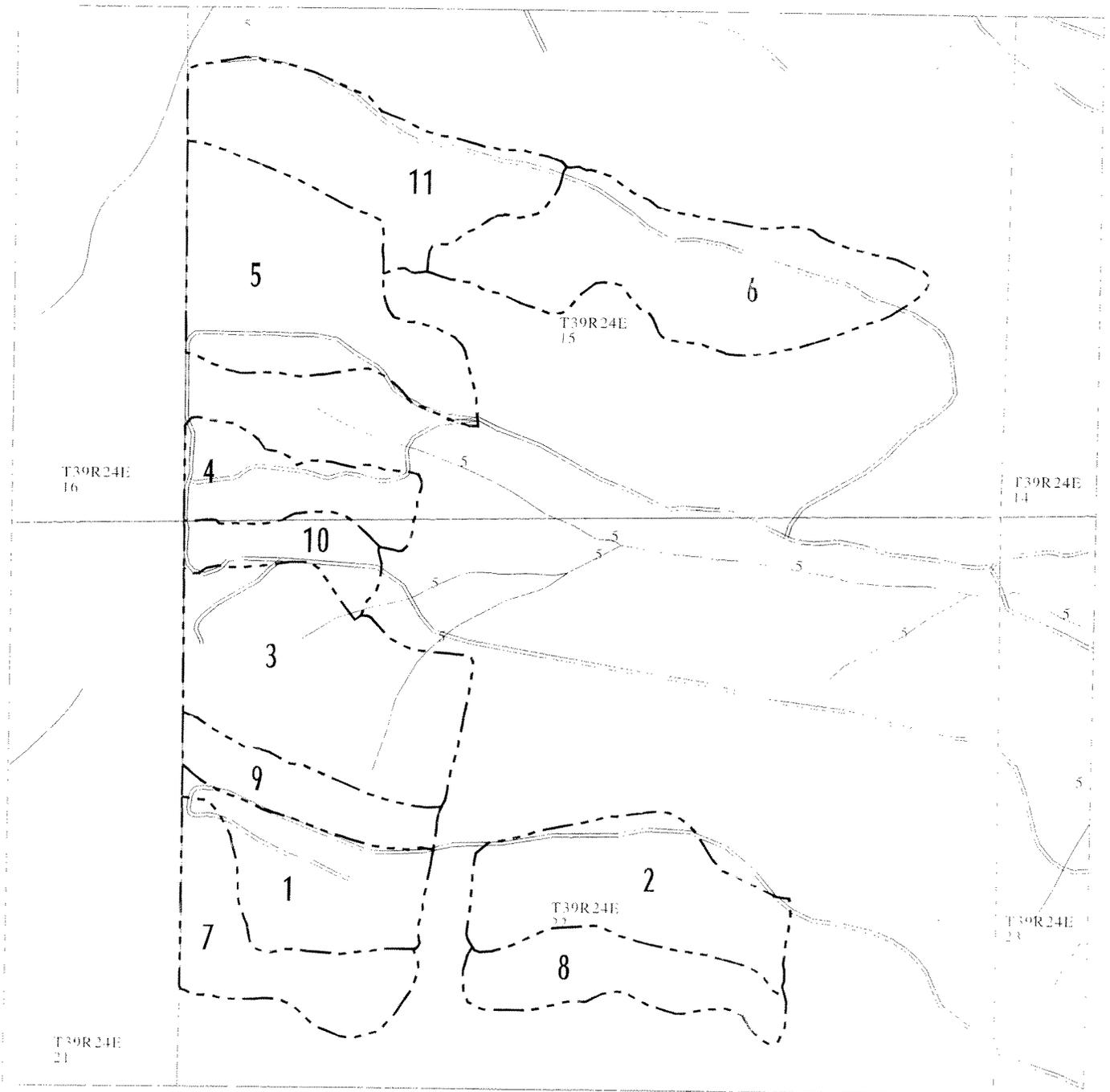
Requestor: NATHAN DAVIS

Map Date: 04/06/06

Timber Sale Name: CRAZY BEETLE BUGKILL

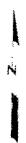
Mapsheet 1 of 1

Job ID: 310948



Scale 1:11836

RA 38



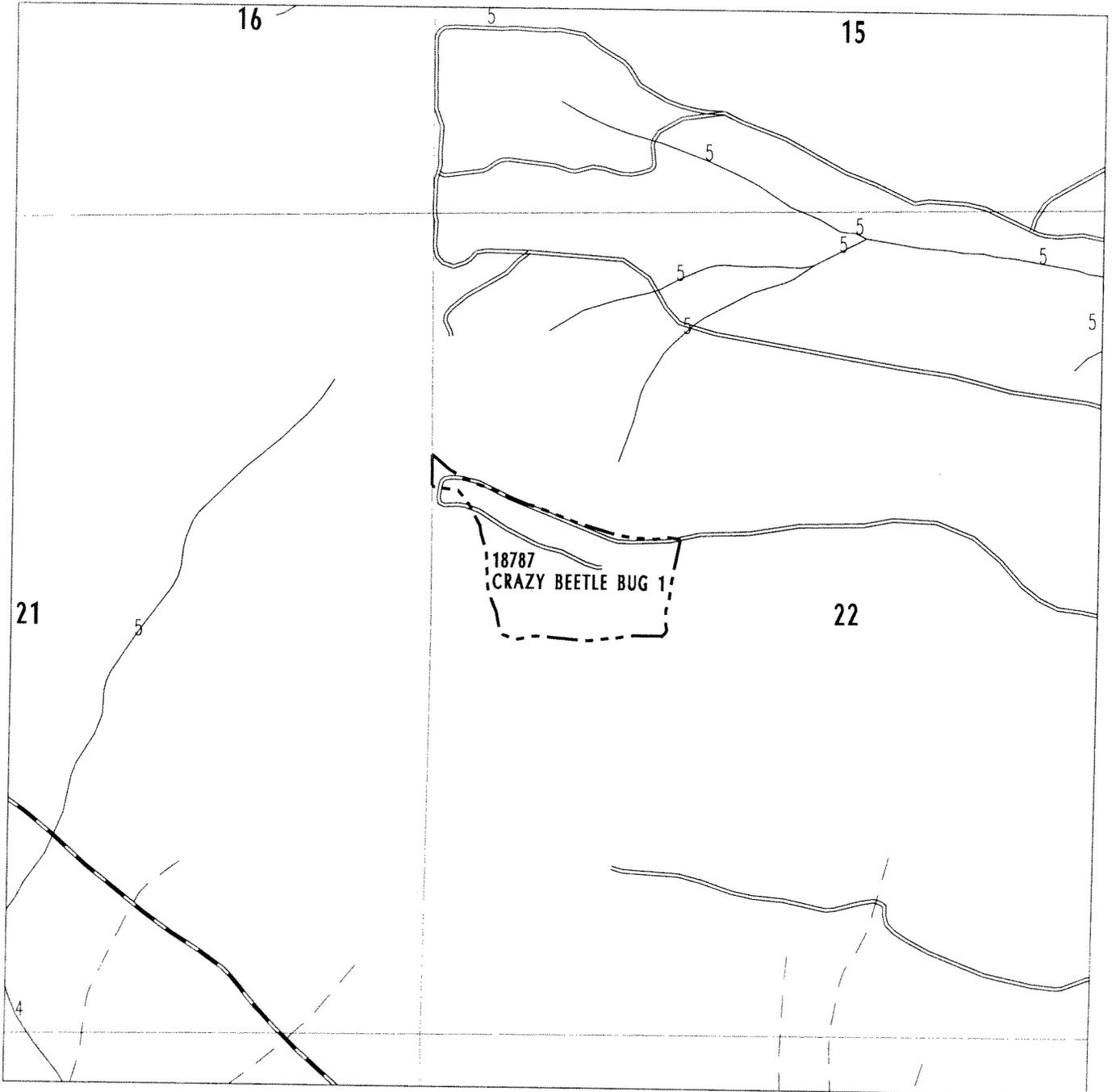
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 8

T39N-R24E SEC 22  
UNIT NAME: CRAZY BEETLE BUG 1

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |                   |  |               |
|---|----------------|---|-------------------|--|---------------|
|  | Treatment Area |  | Unit Boundary     |  | Paved Road    |
|  | Buffer Area    |  | Stream            |  | Unpaved Road  |
|   |                |  | 1 - 5 Water Types |  | Other Surface |

Scale 1:12000

Page No. 39

# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 9

T39N-R24E SEC 22  
UNIT NAME: CRAZY BEETLE BUG 2

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area

 Unit Boundary

 Paved Road

Scale 1:12000

 Buffer Area

 Stream  
1 - 5 Water Types

 Unpaved Road

 Other Surface

Page No. 40

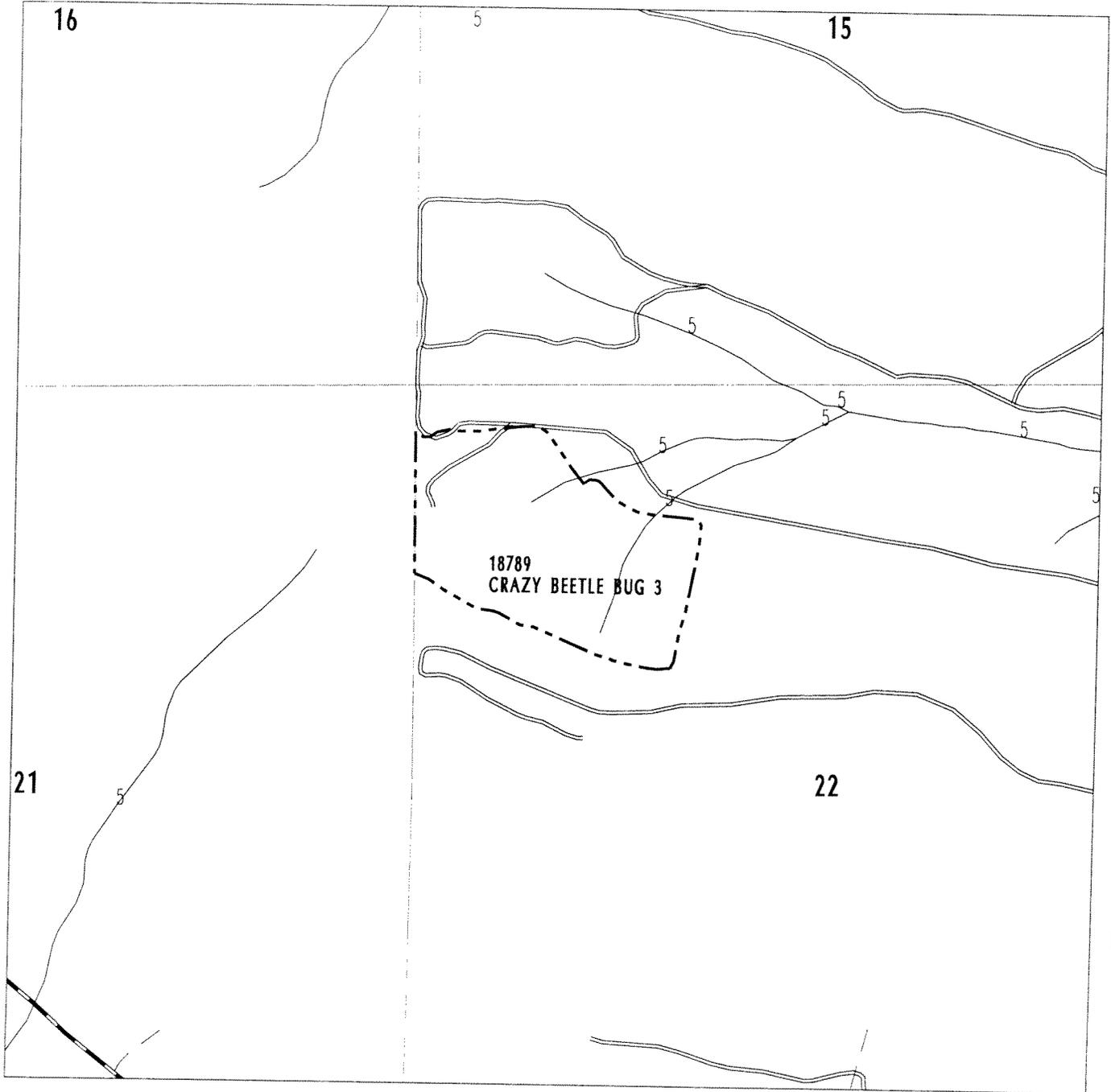
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 10

T39N-R24E SEC 22  
UNIT NAME: CRAZY BEETLE BUG 3

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area  
 Buffer Area

 Unit Boundary  
 Stream  
1 - 5 Water Types

 Paved Road  
 Unpaved Road  
 Other Surface

Scale 1:12000

Page No. \_\_\_\_\_

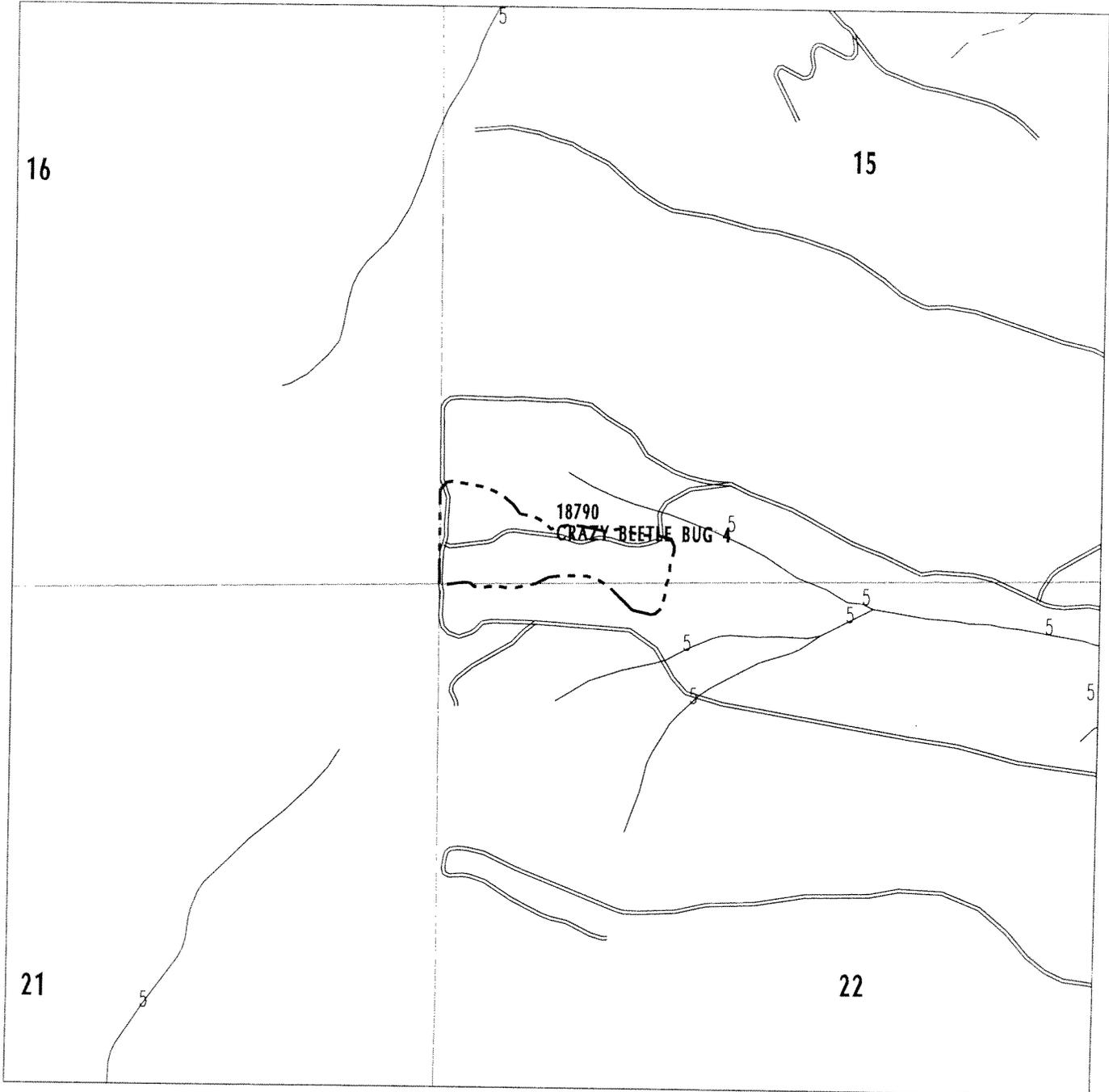
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 11

T39N-R24E SEC 22,15  
UNIT NAME: CRAZY BEETLE BUG 4

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary |  Paved Road    |
|  Buffer Area    |  Stream        |  Unpaved Road  |
|  | 1 - 5 Water Types   |  Other Surface |

Scale 1:12000

Page No. 42

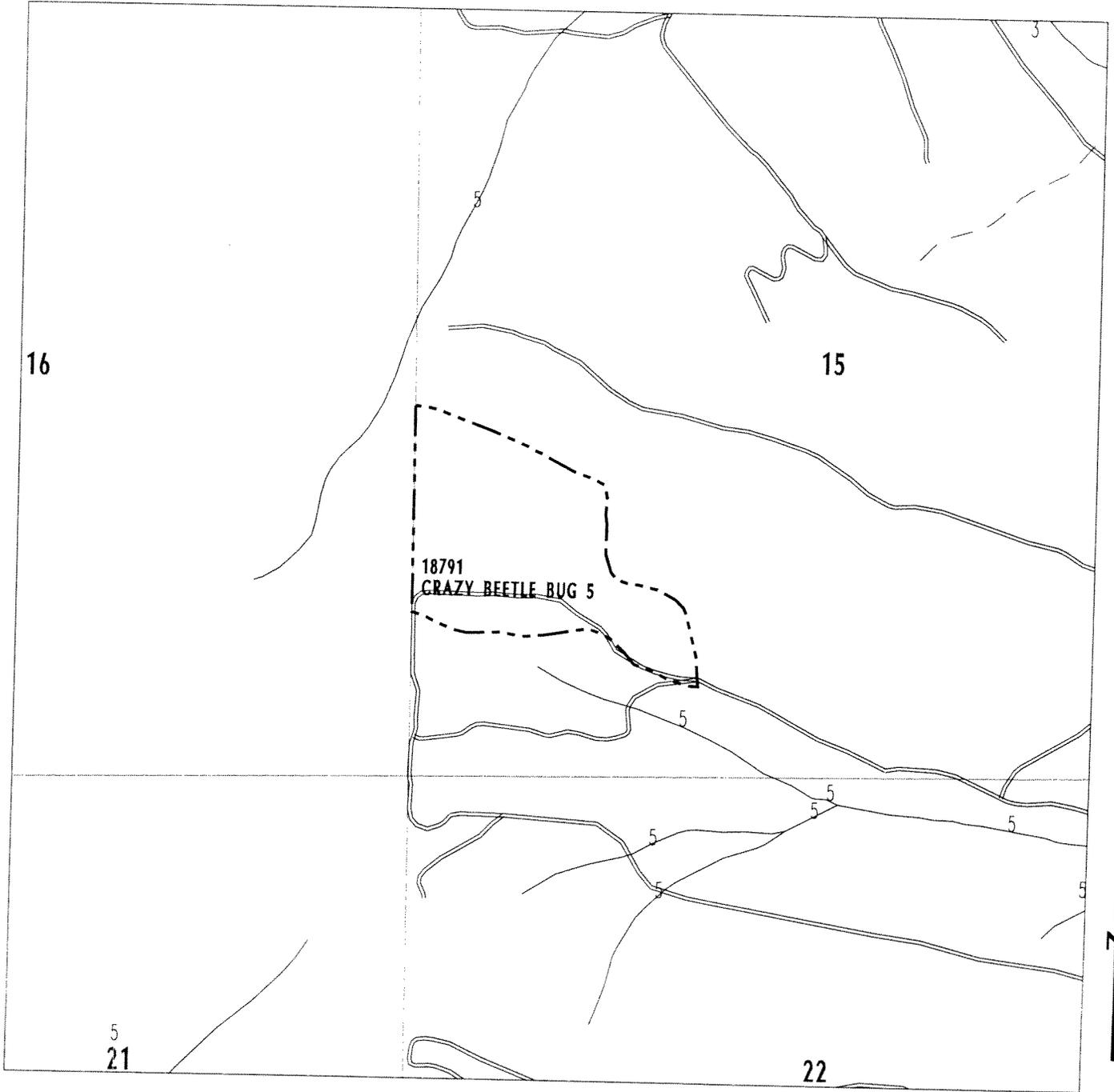
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 12

T39N-R24E SEC 15  
UNIT NAME: CRAZY BEETLE BUG 5

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Buffer Area



Unit Boundary



Stream



1 - 5 Water Types



Paved Road



Unpaved Road



Other Surface

Scale 1:12000

Page No. 13

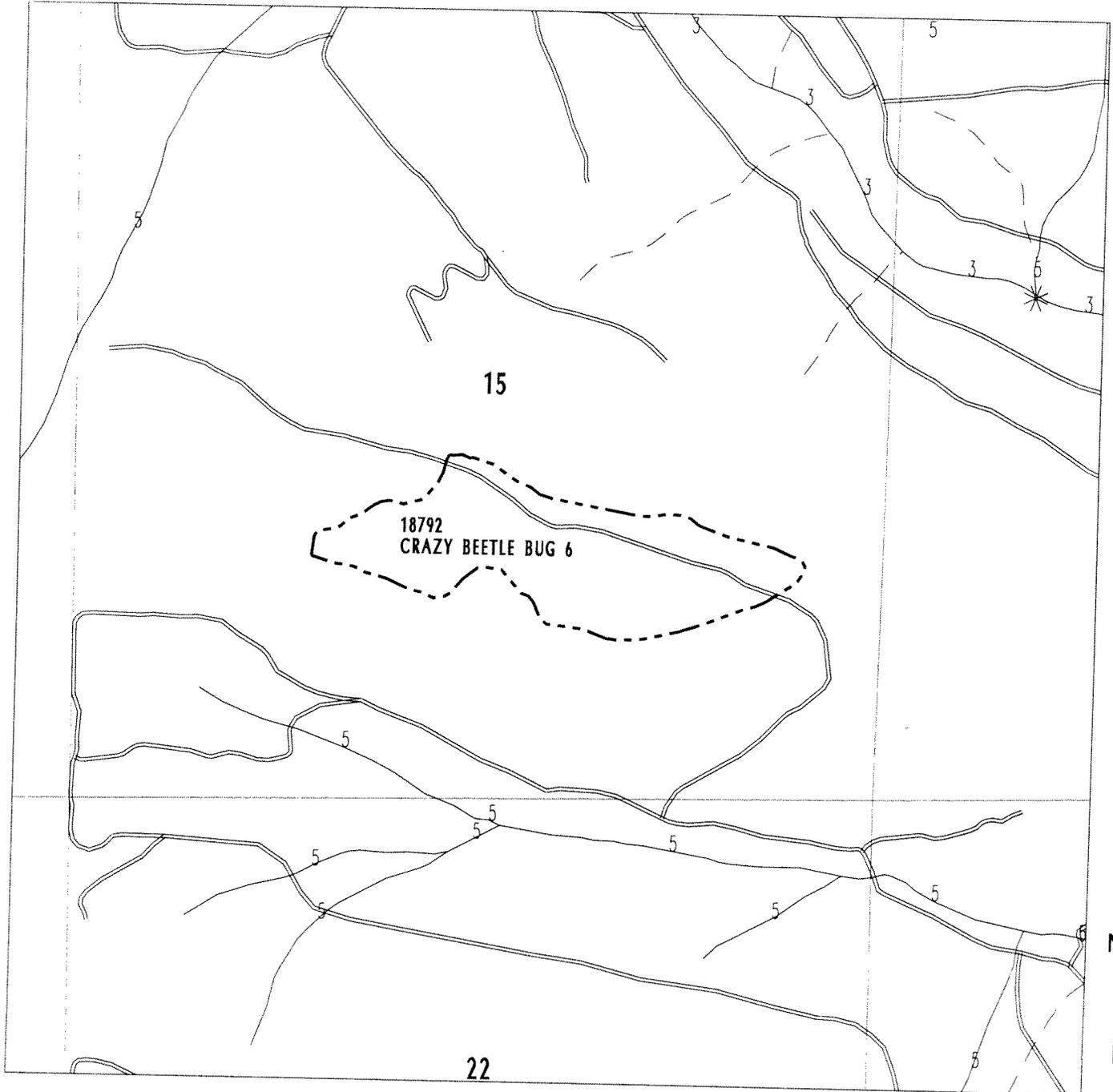
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 13

T39N-R24E SEC 15  
UNIT NAME: CRAZY BEETLE BUG 6

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area

 Unit Boundary

 Paved Road

Scale 1:12000

 Buffer Area

 Stream  
1 - 5 Water Types

 Unpaved Road

 Other Surface

Page No. 14

## UNIT DESCRIPTION

STAND SURVEY

INVITATION TO BID NO.: 1129

Region: Northeast

District: Highlands

Unit Name: Cougar Fork

Item No.: 1

Unit Nos.: 14-22

Trust: 03

Sections 3, 4, 5, 8, 9, 10, 16, and 17, all in Township 38 North, Range 24 East, W.M.

### SPECIFICATIONS

Contract Period: September 1, 2006 to October 31, 2007

Net Acres: 360

Grid Size: See Special Requirements

Number of Plots: 154, minimum of 10 plots per unit.

Boundaries: timber and old red ribbon and timber sale tags/flashers bound all units. See Unit Map on Page 48-57

Special Requirements: Use appropriate grid to ensure coverage of the entire unit area. Target plot intensity is two plots every five acres. Preliminary stratification is provided in additional comments and attached map. Subsequent field stratification to a minimum size of five acres will be based on the following stand-level indicators:

1. Stocking status (e.g. non-satisfactorily restocked vs. satisfactorily restocked, greater than 1,000 stems/acre difference in stand density, above or below minimum Forest Practice stocking criteria of 150 trees per acre).
2. Forest health factors (e.g. root disease pocket).
3. Recommended treatments (e.g. fill-planting, vegetation management).
4. Stand structure (evenaged vs. multi-story).

Ensure a minimum of five plots per stratum identified in the field.

Use a BAF 5 prism. With the prism, sweep around the sample point and count the number of "in" trees with dbh greater than or equal to ten (10) inches. Exclude from the overstory tally both dead and "almost dead" trees. For each tree "in" collect dbh and species information.

On each plot conduct a height sample for an average tree and the tallest tree less than 10 inches dbh by species. Measure the leader growth over the past three years (inches).

Directions to Unit: Please see Vicinity Map for unit locations.

**GENERAL INFORMATION** – The following information is provided as a courtesy to bidders. This information is a general estimate and as such may not be accurate.

Elevation: 4,800 feet

Slope: 0-35%

Aspect: Variable

Year Planted: 2001 and 2002

Species Planted: Ponderosa pine, western larch

Prior Activities: Regeneration harvest with reserve trees in 1999. Artificial regeneration in 2001 in Units 1, 2, 4, 5, 7, and 9. Artificial regeneration in Units 3, 5, 6, and 9 in 2002.

Additional Comments: Regeneration harvest leaving 10-13 trees/acre of vigorous western larch and Douglas fir. See planting history and maps for unit stratification.

Unit Description (Continued)

Unit	Planting Year 2001	Planting Year 2002
1	100 seedlings per acre; ponderosa pine 25 acres	
2	100 seedlings per acre; ponderosa pine 25 acres	
3		200 seedlings per acre; western larch 30 acres
4	100 seedlings per acre; ponderosa pine 24 acres	
5	100 seedlings per acre; ponderosa pine 25 acres	200 seedlings per acre; western larch 10 acres
6		200 seedlings per acre; western larch 10 acres
7	100 seedlings per acre; ponderosa pine 32 acres	
8	Natural regeneration	Natural regeneration
9	100 seedlings per acre; ponderosa pine 50 acres	150 seedlings per acre; western larch 50 acres

# VICINITY MAP

STAND SURVEY

INVITATION TO BID/CONTRACT NUMBER 1129

Region: Northeast

District: Highlands

Local: N/A

Trust: 03

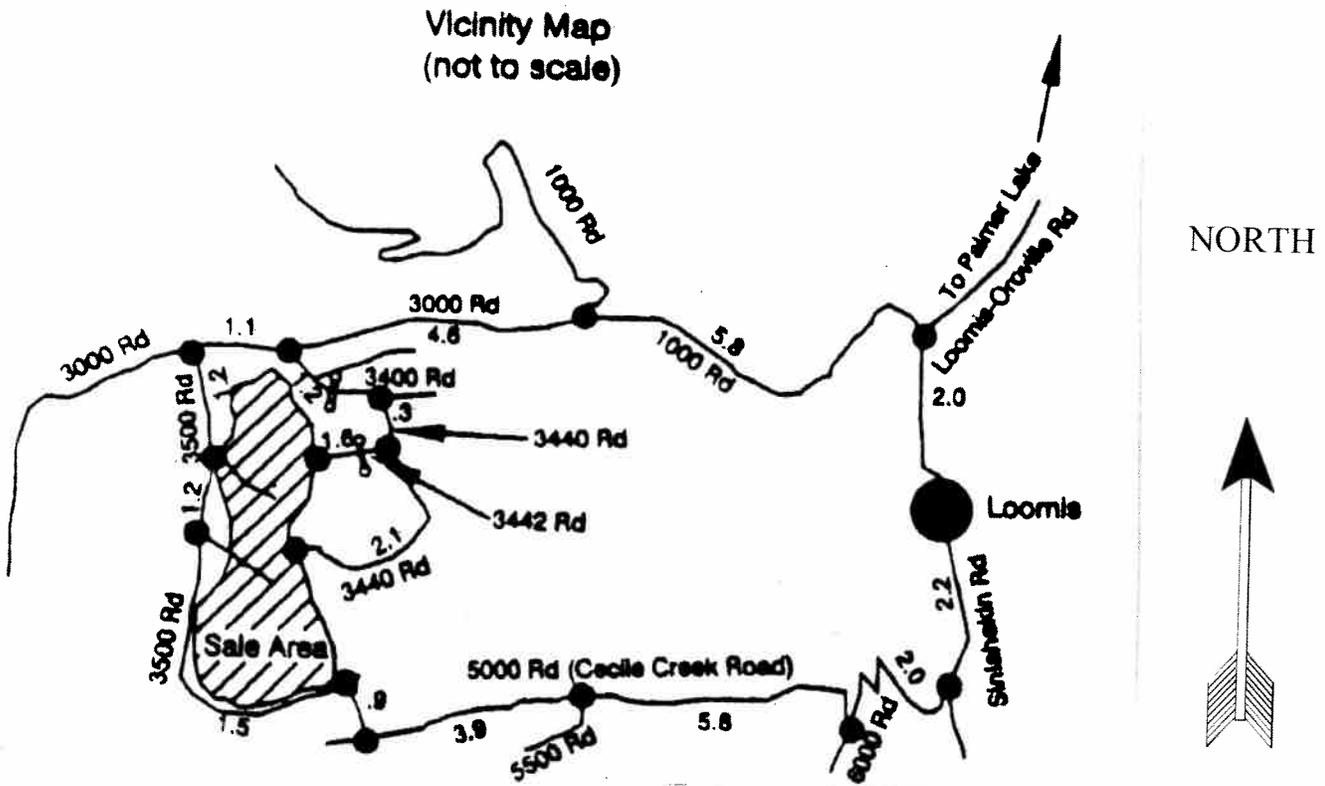
County: Okanogan

Sections 3, 4, 5, 8, 9, 10, 16, and 17, all in Township 38 North, Range 24 East, W.M.

Unit Name: Cougar Fork

Item No.: 1

Unit Nos.: 14 -22



# TIMBER SALE MAP

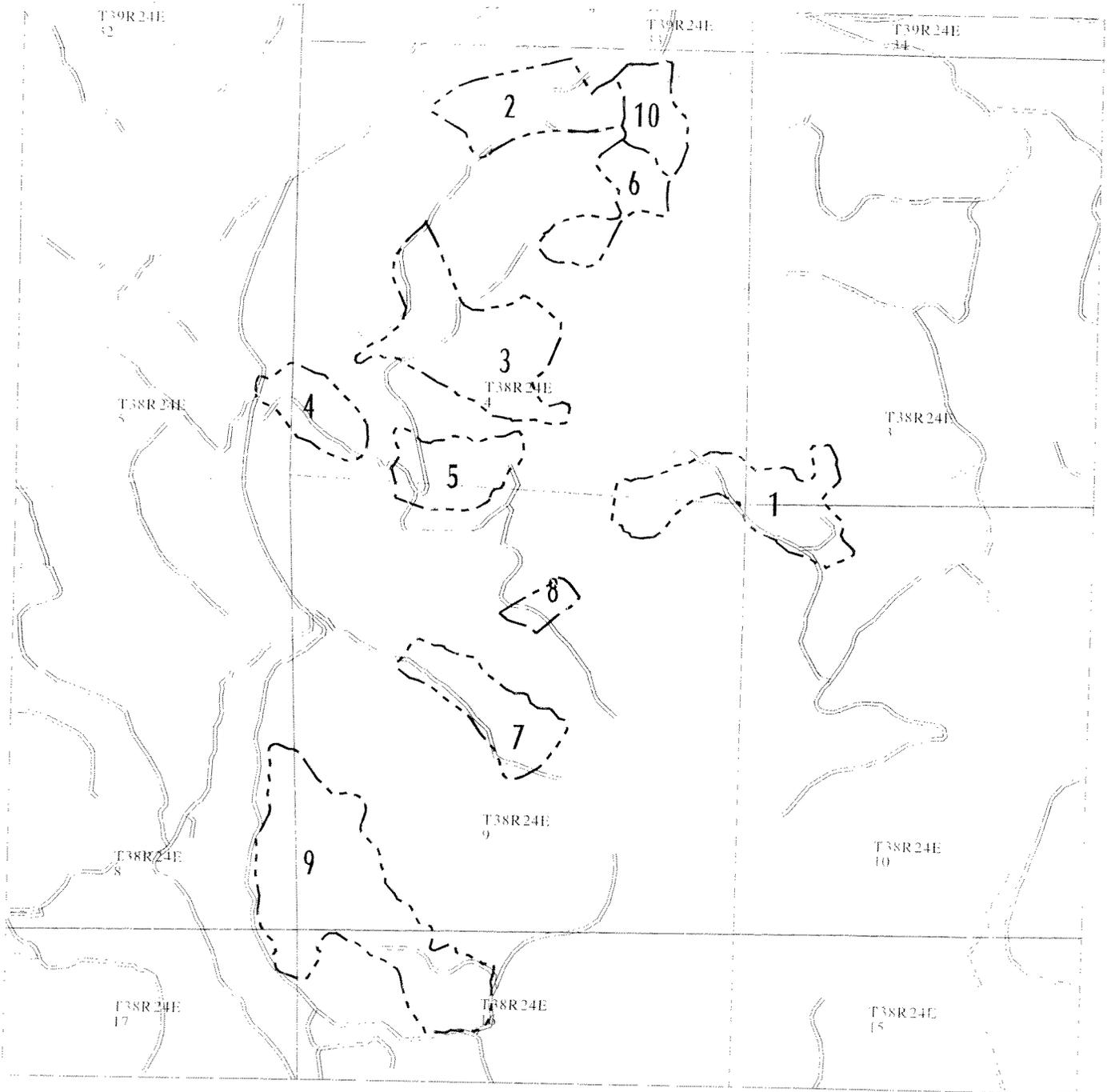
Requestor: NATHAN DAVIS

Map Date: 04/06/06

Timber Sale Name: COUGAR FORK

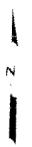
Mapsheet 1 of 1

Job ID: 310930



Scale 1:22429

Page 48



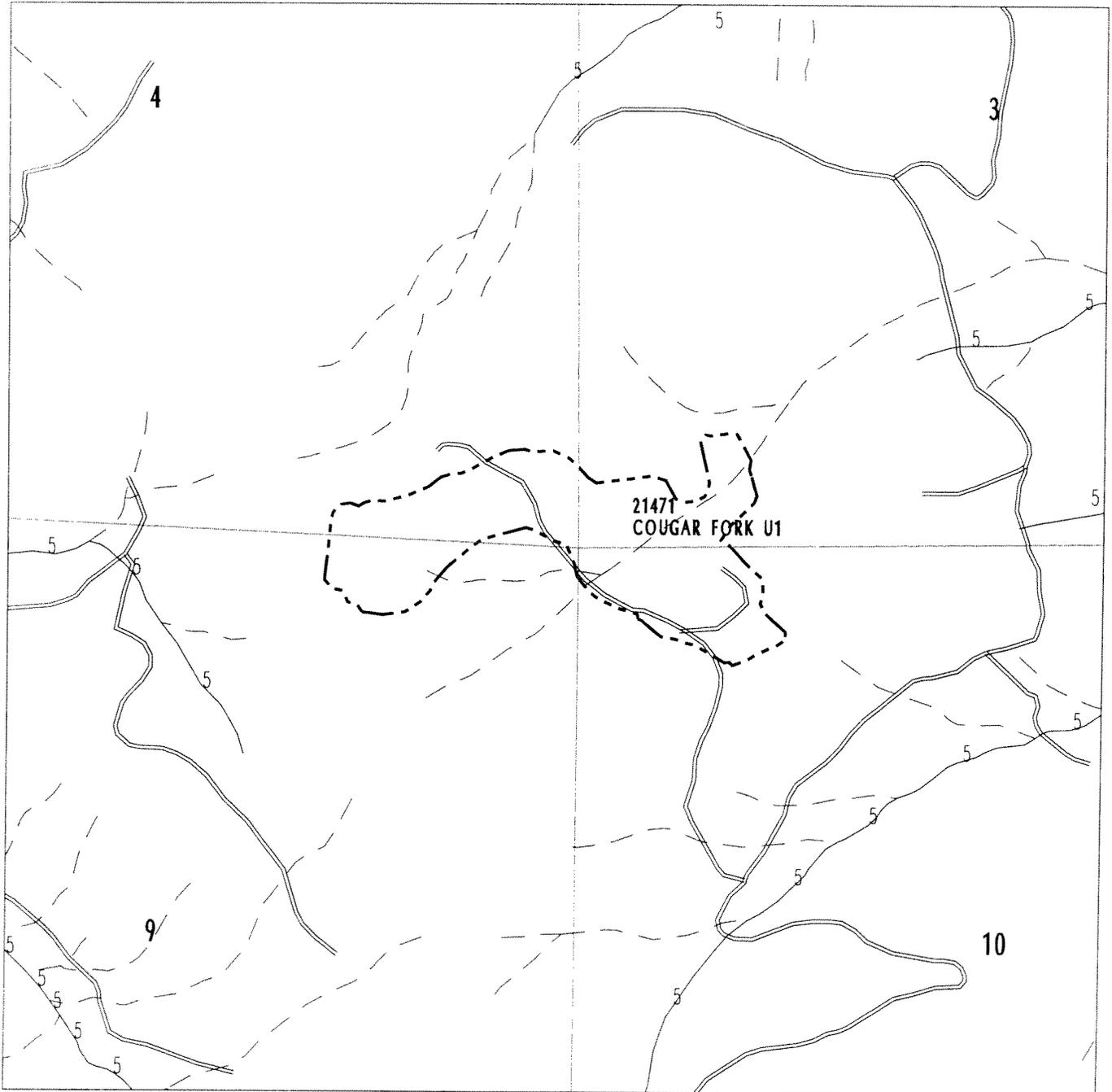
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 14

T38N-R24E SEC 10,9,4,3  
UNIT NAME: COUGAR FORK U1

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Buffer Area



Unit Boundary



Stream



1 - 5 Water Types



Paved Road



Unpaved Road



Other Surface

Scale 1:12000

Page No. 14



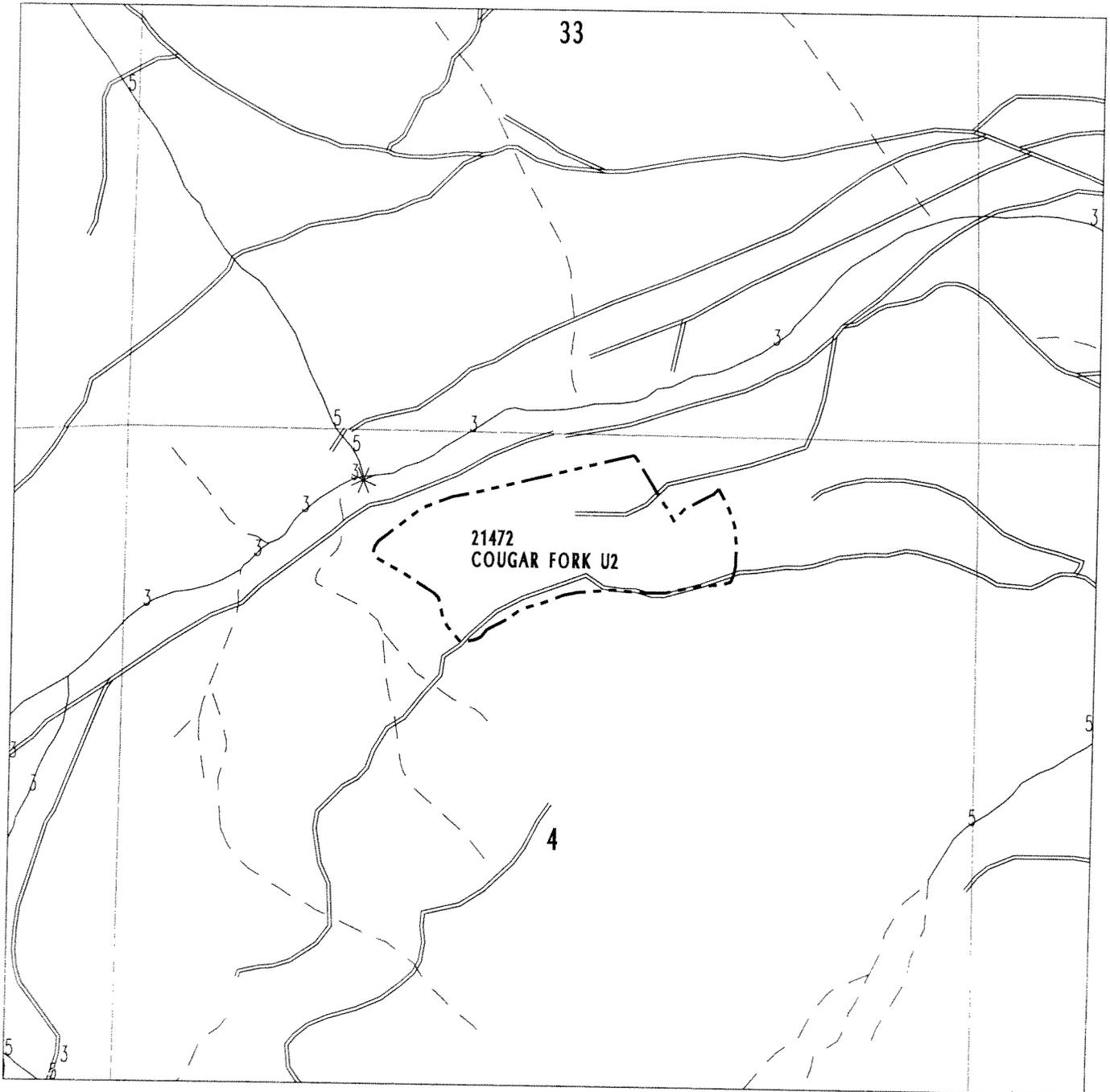
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 15

T38N-R24E SEC 4  
UNIT NAME: COUGAR FORK U2

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary     |  Paved Road    |
|  Buffer Area    |  Stream            |  Unpaved Road  |
|  |  1 - 5 Water Types |  Other Surface |

Scale 1:12000

Page No. 50

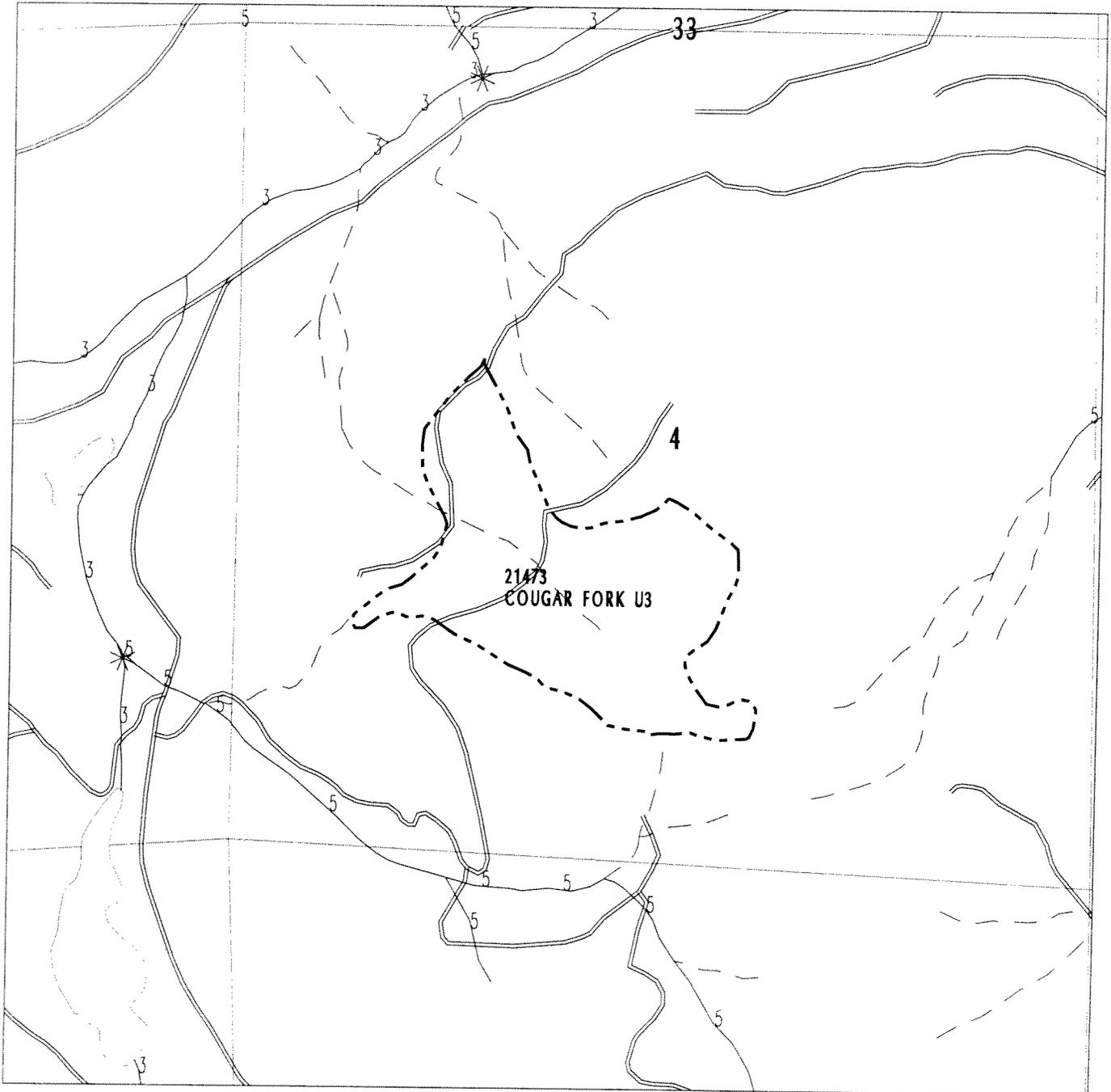
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 16

T38N-R24E SEC 4  
UNIT NAME: COUGAR FORK U3

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |               |  |               |
|---|----------------|---|---------------|--|---------------|
|  | Treatment Area |  | Unit Boundary |  | Paved Road    |
|  | Buffer Area    |  | Stream        |  | Unpaved Road  |
|   |                | 1 - 5   | Water Types   |  | Other Surface |

Scale 1:12000

Page No. 31

# UNIT MAP

Invitation to Bid No. \_\_\_\_\_

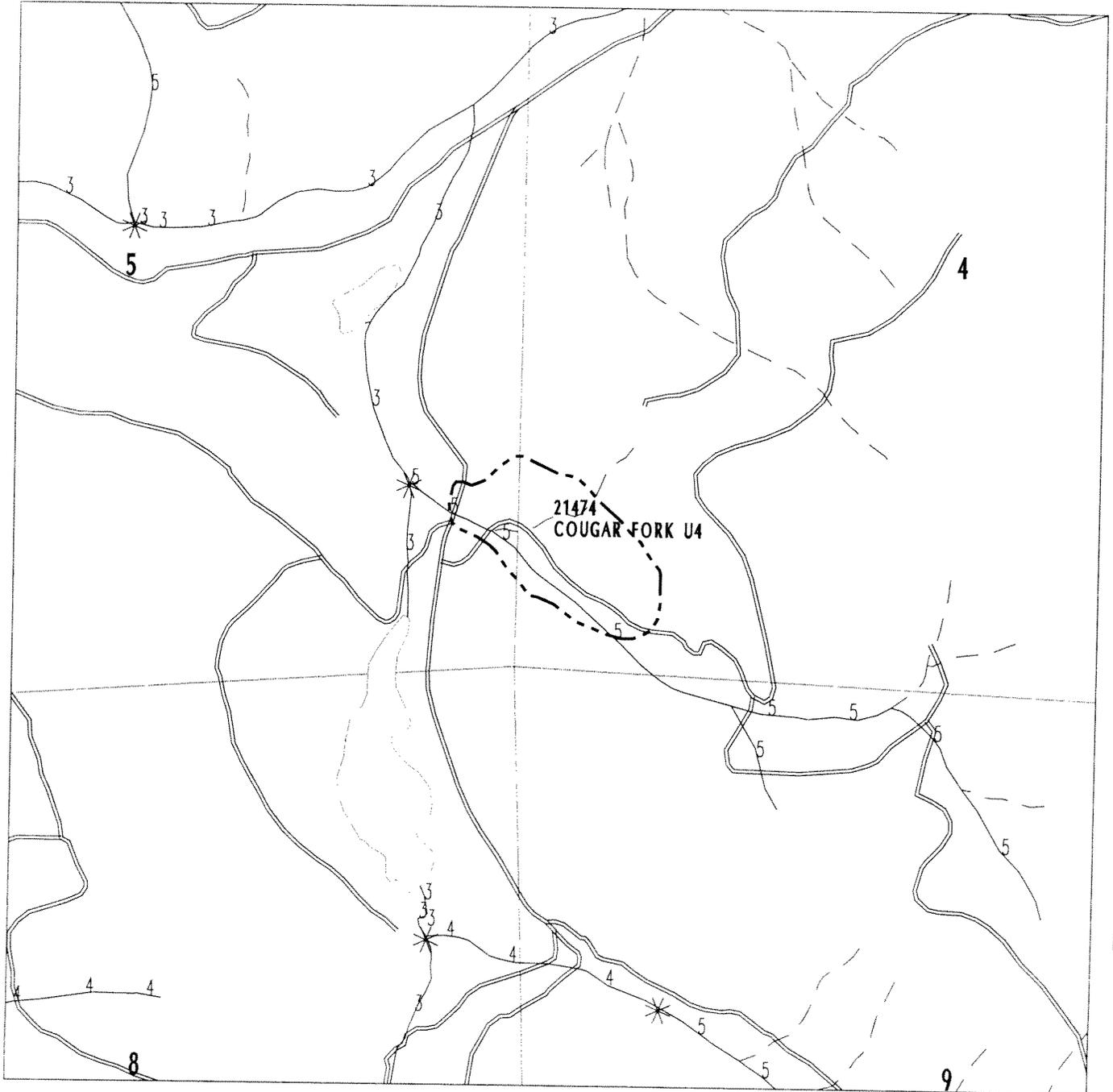
Item No. 1

Unit No. 17

T38N-R24E SEC 5,4  
UNIT NAME: COUGAR FORK U4

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Unit Boundary



Paved Road



Buffer Area



Stream



Unpaved Road



1 - 5 Water Types



Other Surface

Scale 1:12000

Page No. 52

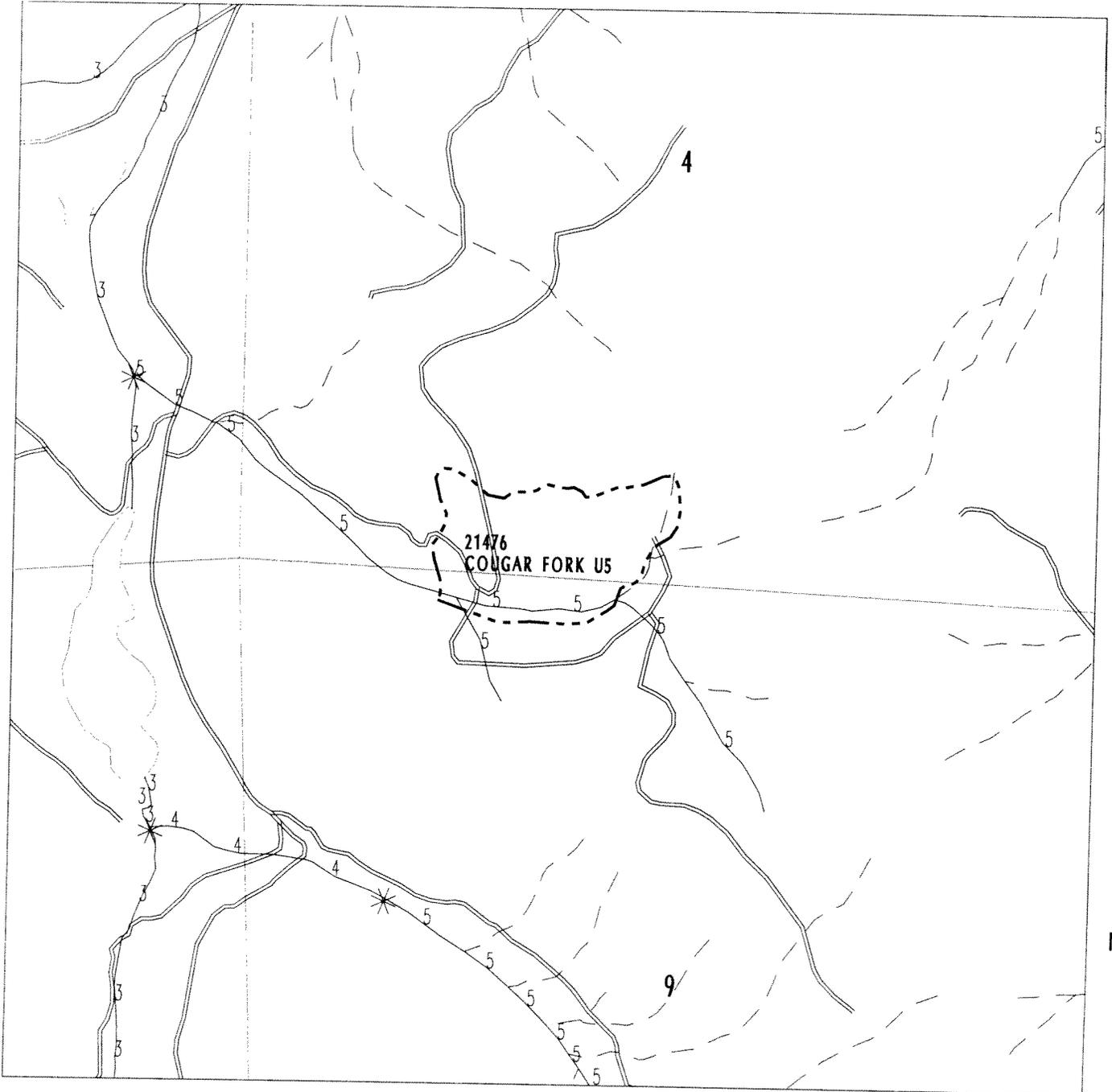
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 18

T38N-R24E SEC 9,4  
UNIT NAME: COUGAR FORK U5

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |               |  |               |
|---|----------------|---|---------------|--|---------------|
|  | Treatment Area |  | Unit Boundary |  | Paved Road    |
|  | Buffer Area    |  | Stream        |  | Unpaved Road  |
|   |                | 1 - 5   | Water Types   |  | Other Surface |

Scale 1:12000

Page No. 33

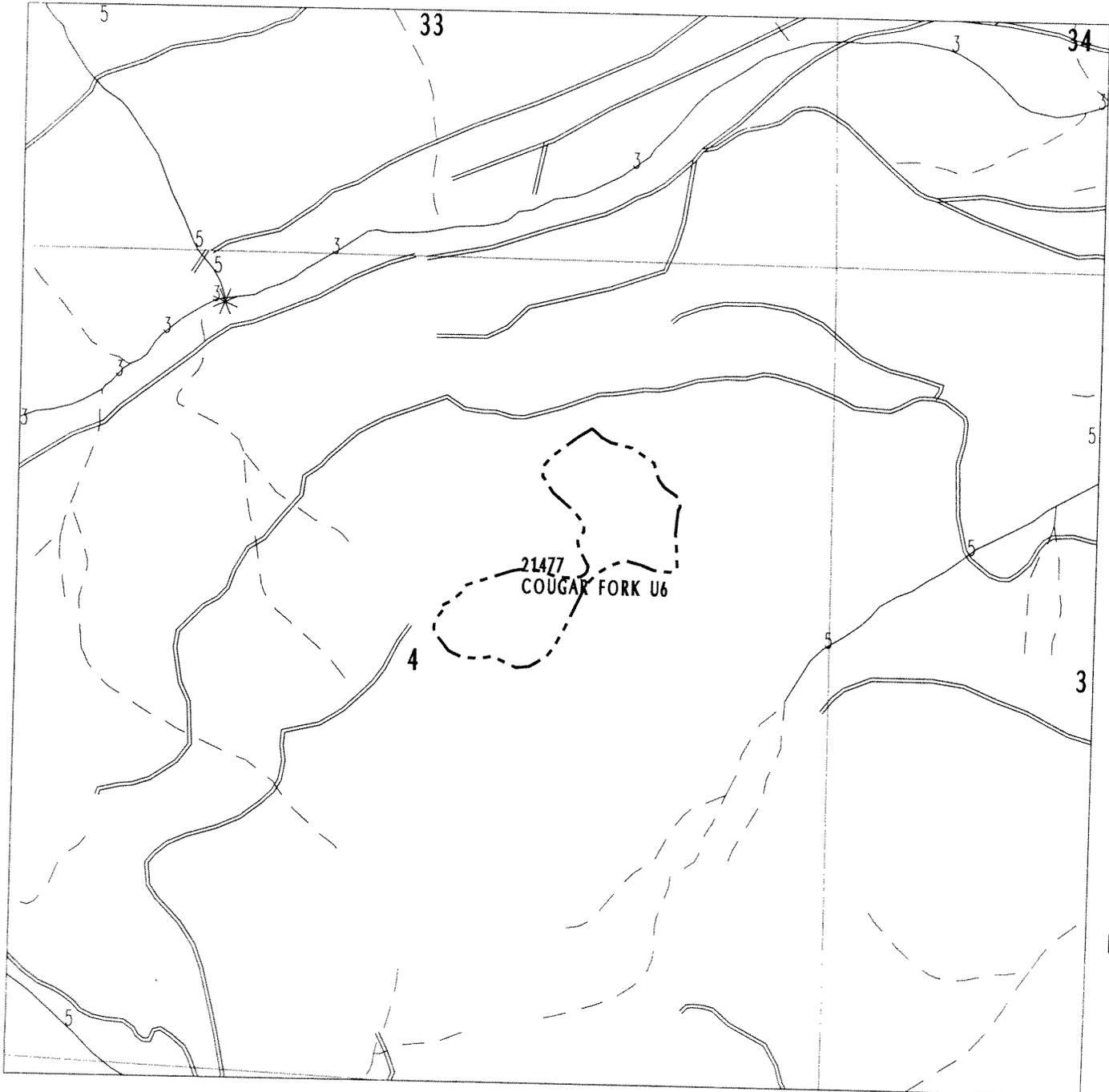
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 19

T38N-R24E SEC 4  
UNIT NAME: COUGAR FORK U6

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |   |   |
|---|---|---|
|  Treatment Area |  Unit Boundary     |  Paved Road    |
|  Buffer Area    |  Stream            |  Unpaved Road  |
|   |  1 - 5 Water Types |  Other Surface |

Scale 1:12000

Page No. 54

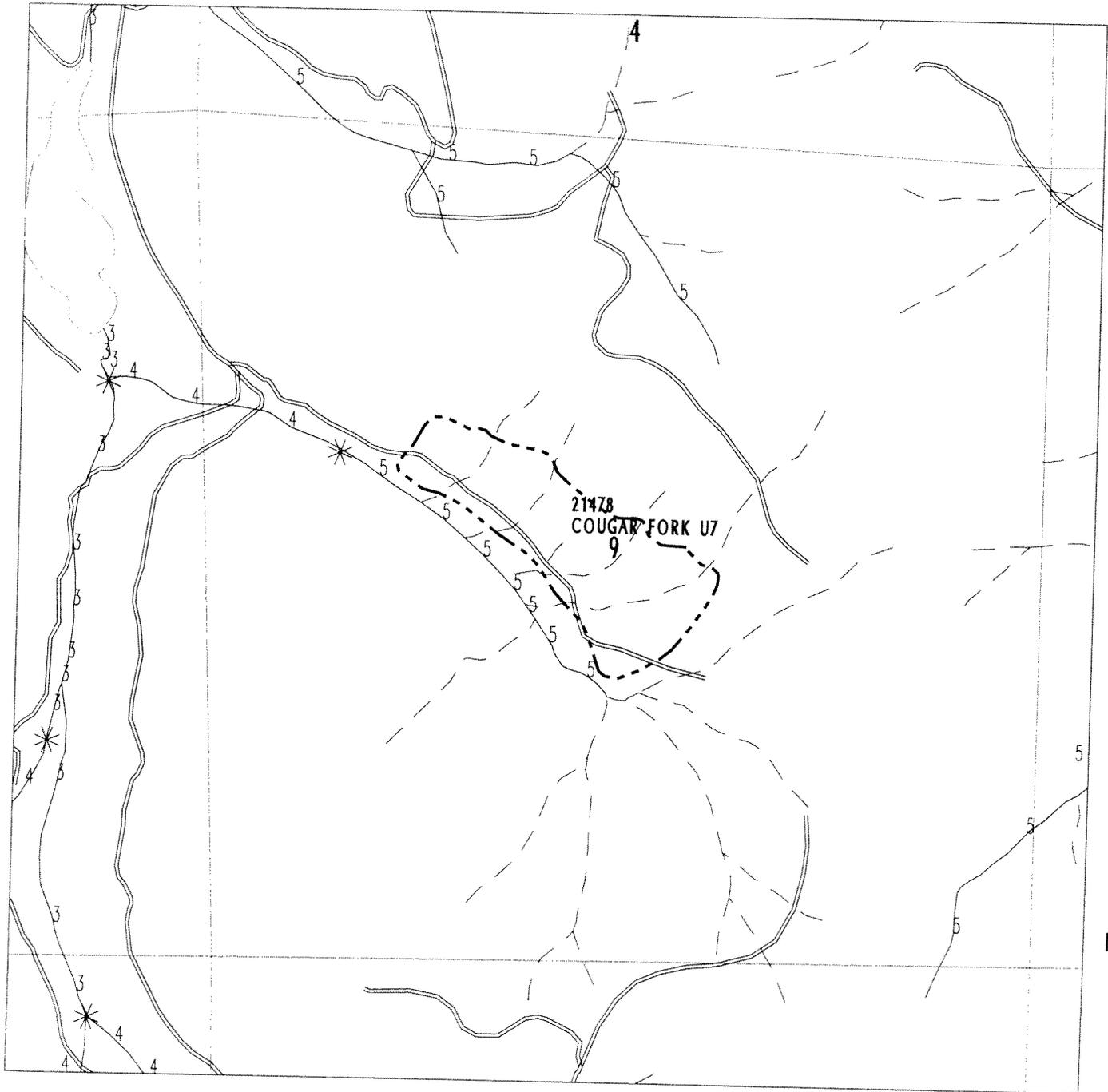
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 20

T38N-R24E SEC 9  
UNIT NAME: COUGAR FORK U7

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary |  Paved Road    |
|  Buffer Area    |  Stream        |  Unpaved Road  |
|  | 1 - 5 Water Types   |  Other Surface |

Scale 1:12000

Page No. 35

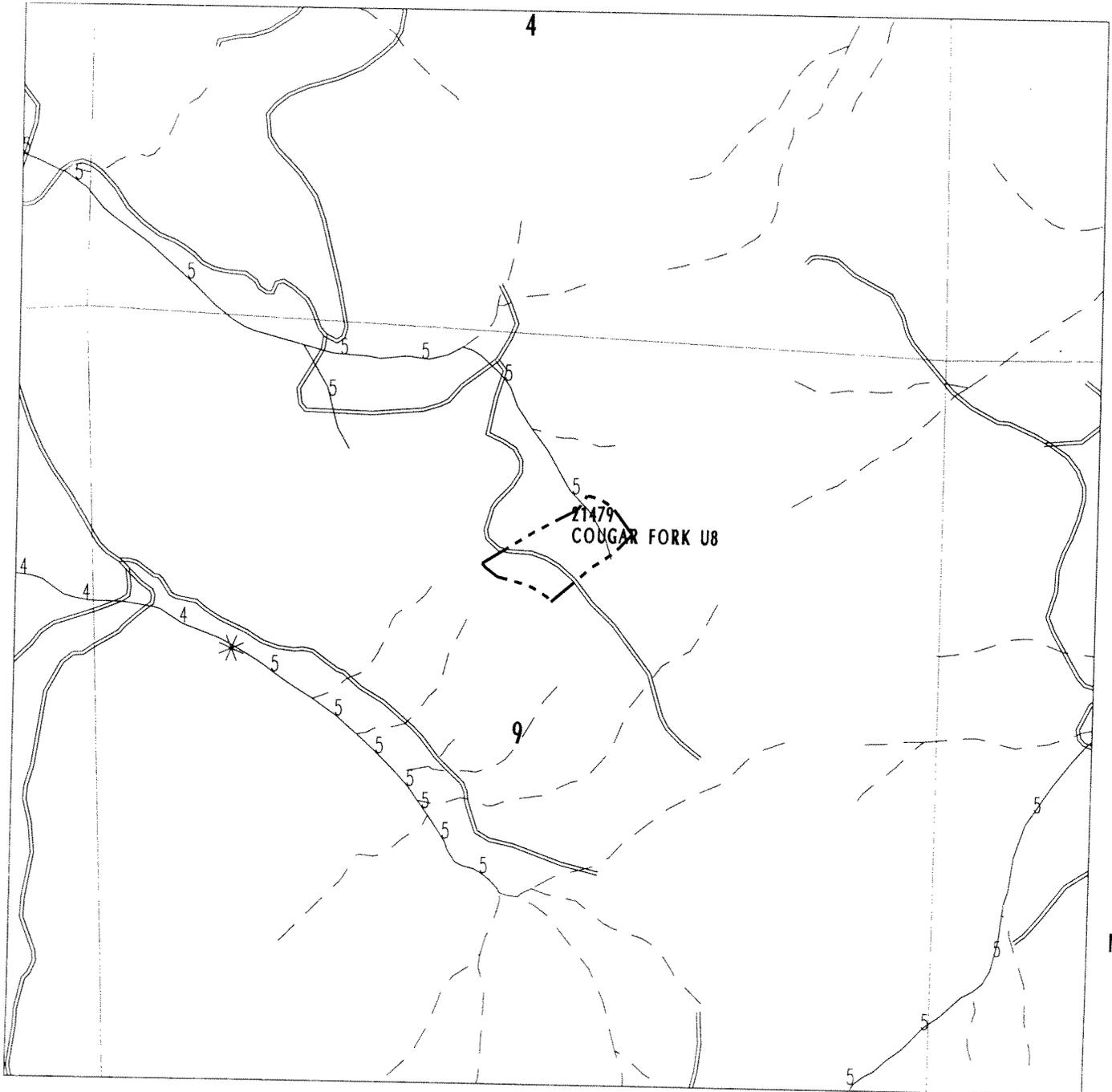
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 21

T38N-R24E SEC 9  
UNIT NAME: COUGAR FORK U8

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |               |  |               |
|---|----------------|---|---------------|--|---------------|
|  | Treatment Area |  | Unit Boundary |  | Paved Road    |
|  | Buffer Area    |  | Stream        |  | Unpaved Road  |
|   |                | 1 - 5   | Water Types   |  | Other Surface |

Scale 1:12000

Page No. 56

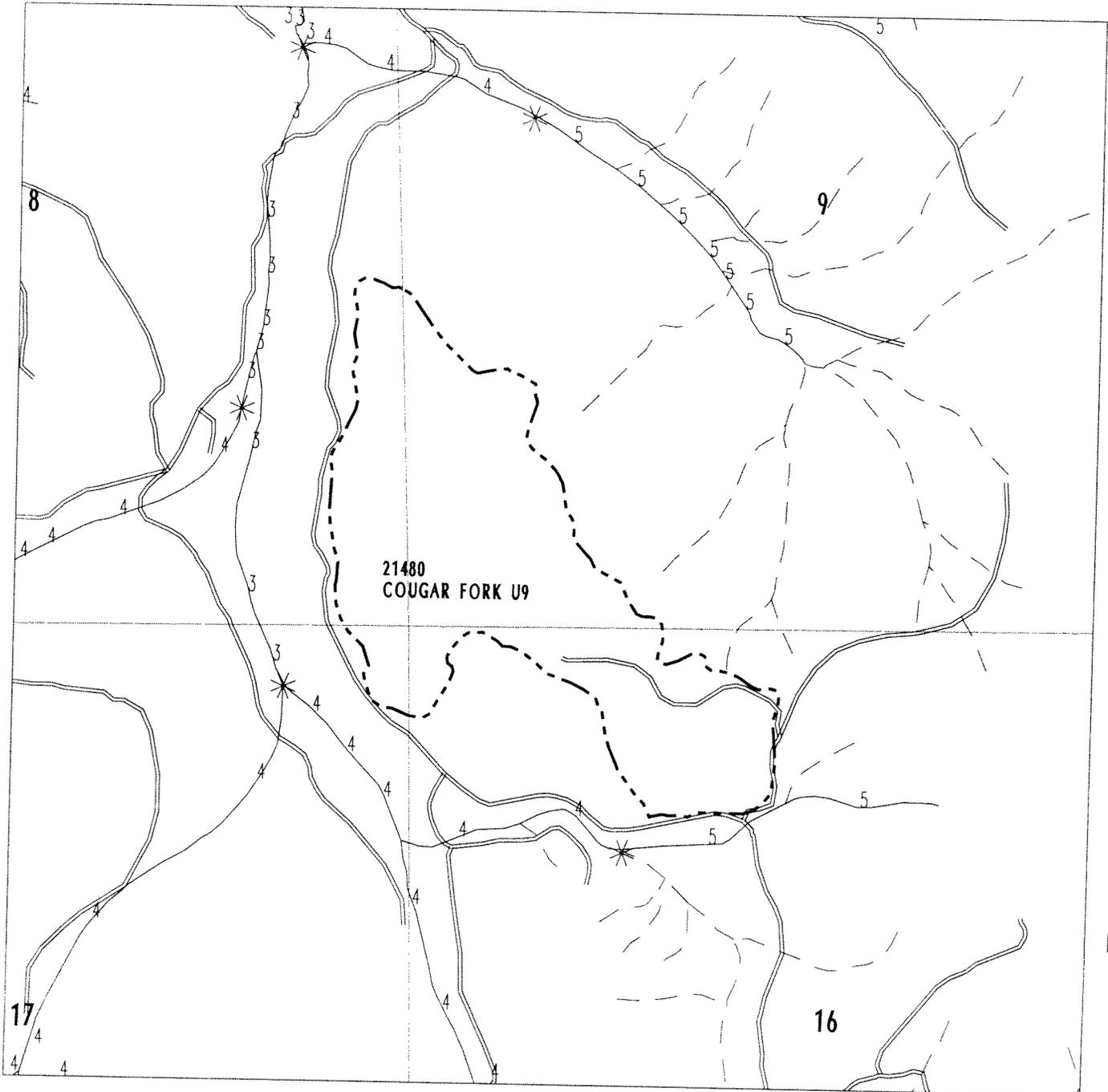
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 22

T38N-R24E SEC 17,16,9,8  
UNIT NAME: COUGAR FORK U9

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area

 Unit Boundary

 Paved Road

Scale 1:12000

 Buffer Area

 Stream

 Unpaved Road

1 - 5 Water Types

 Other Surface

Page No. 57

UNIT DESCRIPTION

STAND SURVEY

INVITATION TO BID NO.: 1129

Region: Northeast

District: Highlands

Unit Name: Bugged Out Bugkill

Item No.: 1

Unit Nos.: 23-29

Trust: 03

Sections 1, 4, 9, and 10, all in Township 38 North, Range 24 East, W.M.

**SPECIFICATIONS**

Contract Period: September 1, 2006 to October 31, 2007

Net Acres: 214

Grid Size: See Special Requirements

Number of Plots: 88, minimum of ten plots per unit.

Boundaries: Standing timber and old red ribbon and timber sale tags/flashers bound all units. See Unit Maps on Pages 60-67

Special Requirements: Use appropriate grid to ensure coverage of the entire unit area. Target plot intensity is two plots every five acres. Preliminary stratification is provided in additional comments and attached map. Subsequent field stratification to a minimum size of five acres will be based on the following stand-level indicators:

1. Stocking status (e.g. non-satisfactorily restocked vs. satisfactorily restocked, greater than 1,000 stems/acre difference in stand density, above or below minimum Forest Practice stocking criteria of 150 trees per acre).
2. Forest health factors (e.g. root disease pocket).
3. Recommended treatments (e.g. fill-planting, vegetation management).
4. Stand structure (evenaged vs. multi-story).

Ensure a minimum of five plots per stratum identified in the field.

Use a BAF 5 prism. With the prism sweep around the sample point and count the number of "in" trees with dbh greater than or equal to ten (10) inches. Exclude from the overstory tally both dead and "almost dead" trees. For each tree "in" collect dbh and species information.

On each plot conduct a height sample for an average tree and the tallest tree less than 10 inches dbh by species. Measure the leader growth over the past three years (inches).

Directions to Unit: Please see Vicinity Map for unit locations.

**GENERAL INFORMATION** – The following information is provided as a courtesy to bidders. This information is a general estimate and as such may not be accurate.

Elevation: 4,600 feet

Slope: 0-35%

Aspect: Variable

Year Planted: 2001

Species Planted: Western larch and Douglas fir

Prior Activities: Regeneration harvest with scattered legacy trees in 1998. Artificial regeneration in 2001 in Units 3, 4, 6, and 7.

Additional Comments: Regeneration harvest leaving isolated scattered western larch/Douglas fir. See attached history map of planting. The remainder of the area was left for natural regeneration. Units 3, 4, 6, and 7 were completely planted with 250 stems/acre of western larch and 80 stems/acre of Douglas fir. The remaining units were left for natural regeneration in Units 1, 2, and 5.

VICINITY MAP

STAND SURVEY

INVITATION TO BID/CONTRACT NUMBER 1129

Region: Northeast

District: Highlands

Local: N/A

Trust: 03

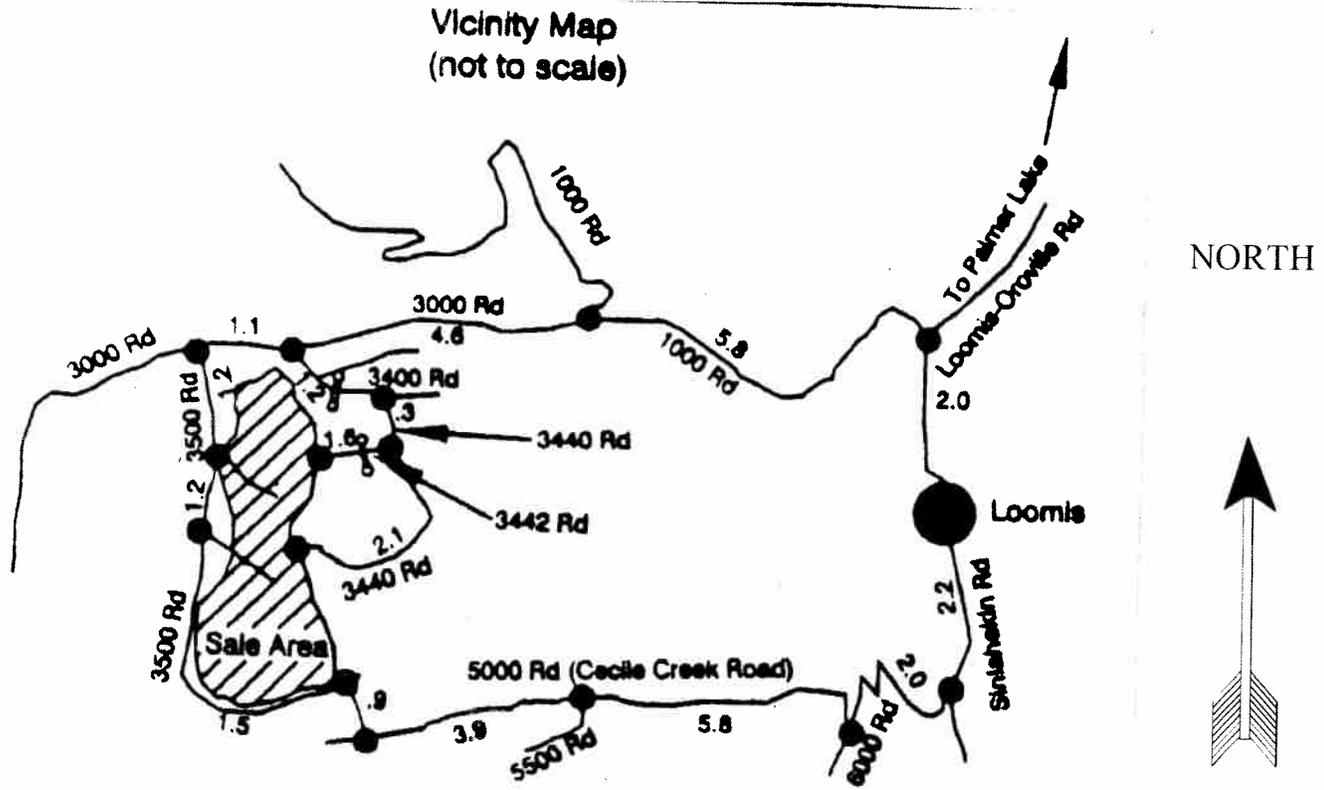
County: Okanogan

Sections 3, 4, 9, and 10, all in Township 38 North, Range 24 East, W.M.

Unit Name: Bugged Out Bugkill

Item No.: 1

Unit Nos.: 23 - 29



# TIMBER SALE MAP

Requestor: NATHAN DAVIS

Map Date: 04/06/06

Timber Sale Name: BUGGED OUT BUGKILL

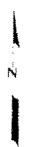
Mapsheet 1 of 1

Job ID: 310959



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*Page 00*



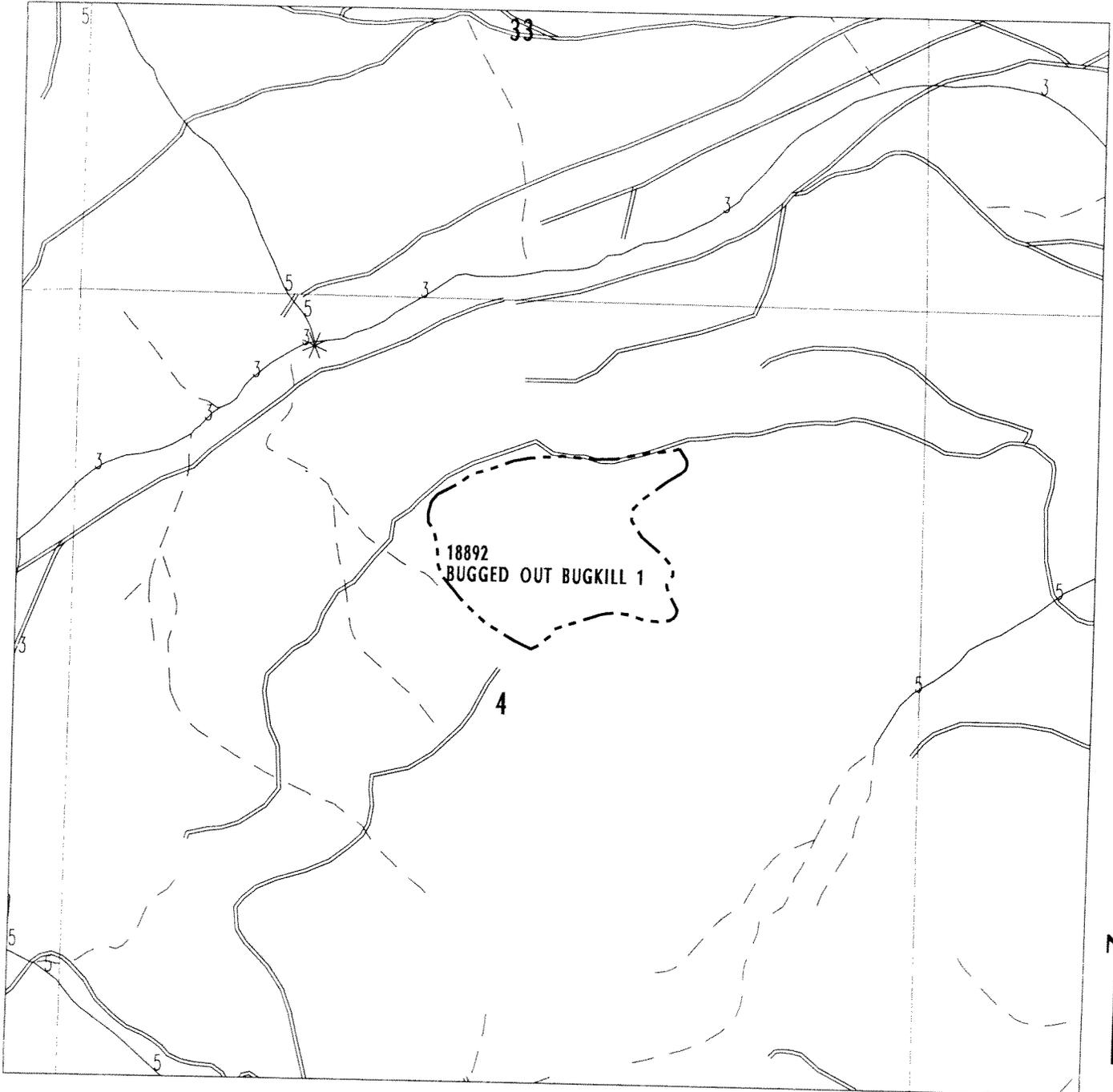
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 23

T38N-R24E SEC 4  
UNIT NAME: BUGGED OUT BUGKILL 1

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area

 Unit Boundary

 Paved Road

Scale 1:12000

 Buffer Area

 Stream

 Unpaved Road

1 - 5 Water Types

 Other Surface

Page No. 1

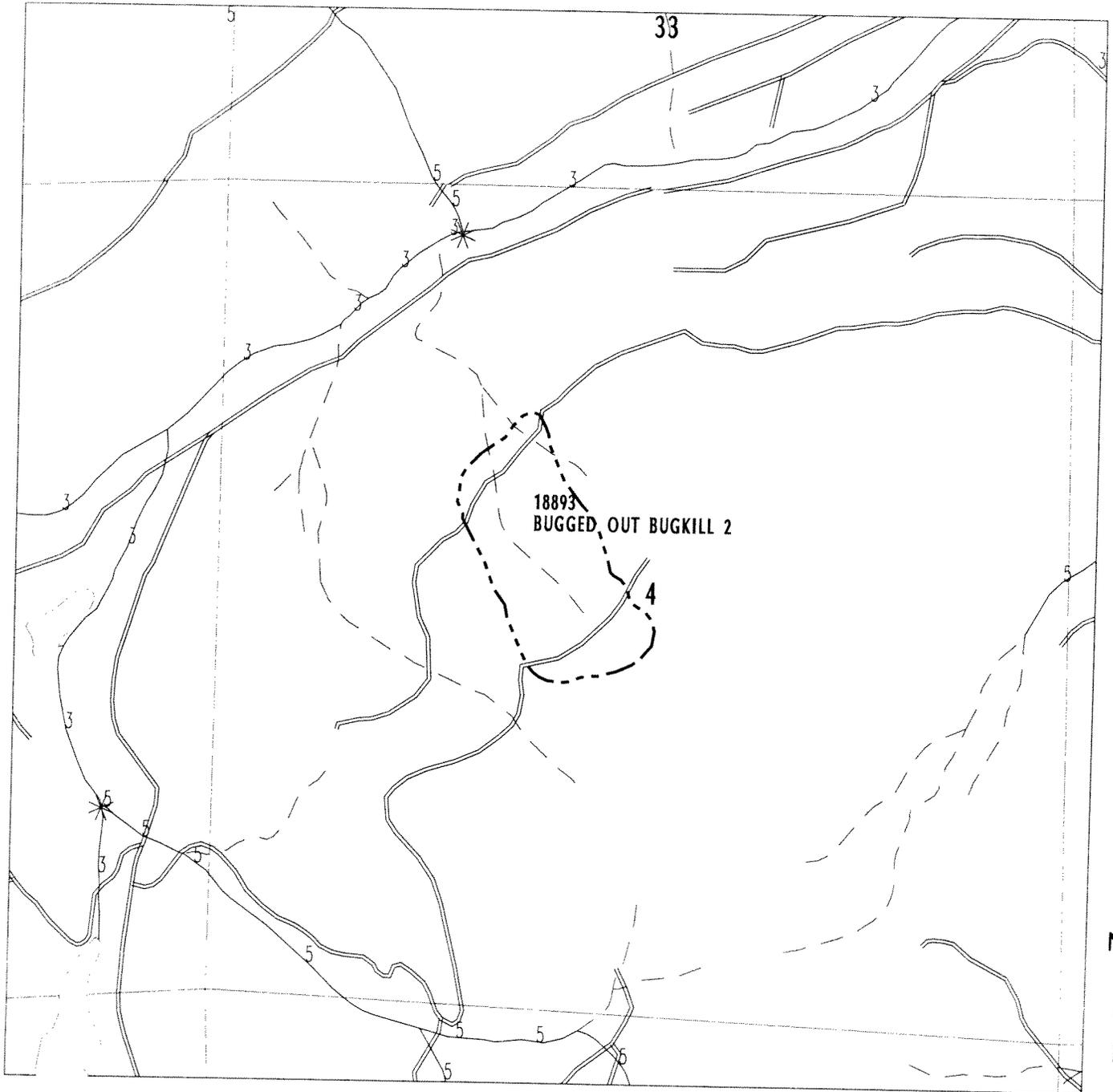
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 24

T38N-R24E SEC 4  
UNIT NAME: BUGGED OUT BUGKILL 2

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |   |                |   |               |  |               |
|---|----------------|---|---------------|--|---------------|
|  | Treatment Area |  | Unit Boundary |  | Paved Road    |
|  | Buffer Area    |  | Stream        |  | Unpaved Road  |
|   |                | 1 - 5   | Water Types   |  | Other Surface |

Scale 1:12000

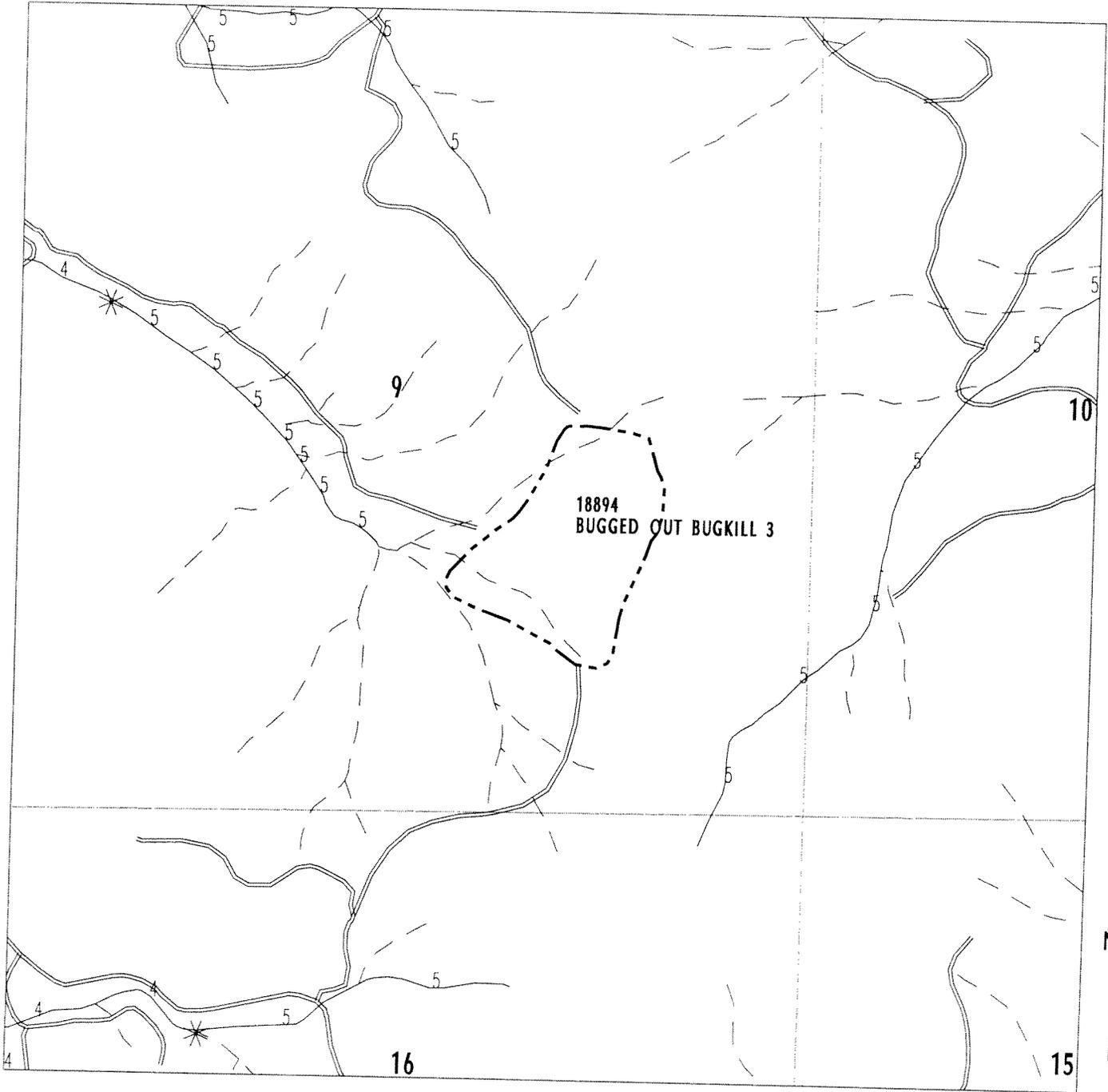
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 25

T38N-R24E SEC 9  
UNIT NAME: BUGGED OUT BUGKILL 3

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



Treatment Area



Unit Boundary



Paved Road

Scale 1:12000



Buffer Area



Stream



Unpaved Road



1 - 5 Water Types



Other Surface

Page No. 23

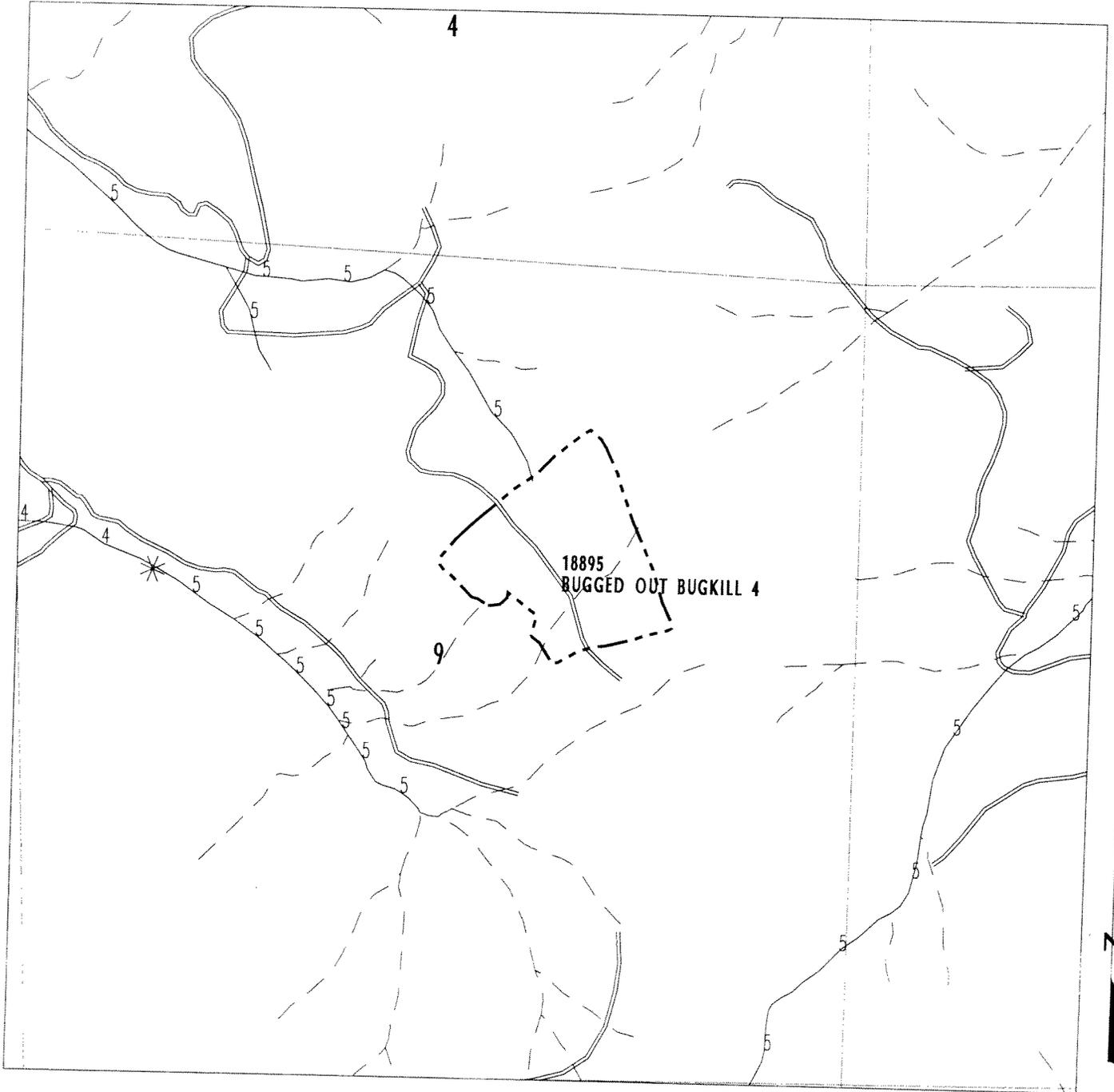
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 26

T38N-R24E SEC 9  
UNIT NAME: BUGGED OUT BUGKILL 4

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary |  Paved Road    |
|  Buffer Area    |  Stream        |  Unpaved Road  |
|  | 1 - 5 Water Types   |  Other Surface |

Scale 1:12000

Page No. 1

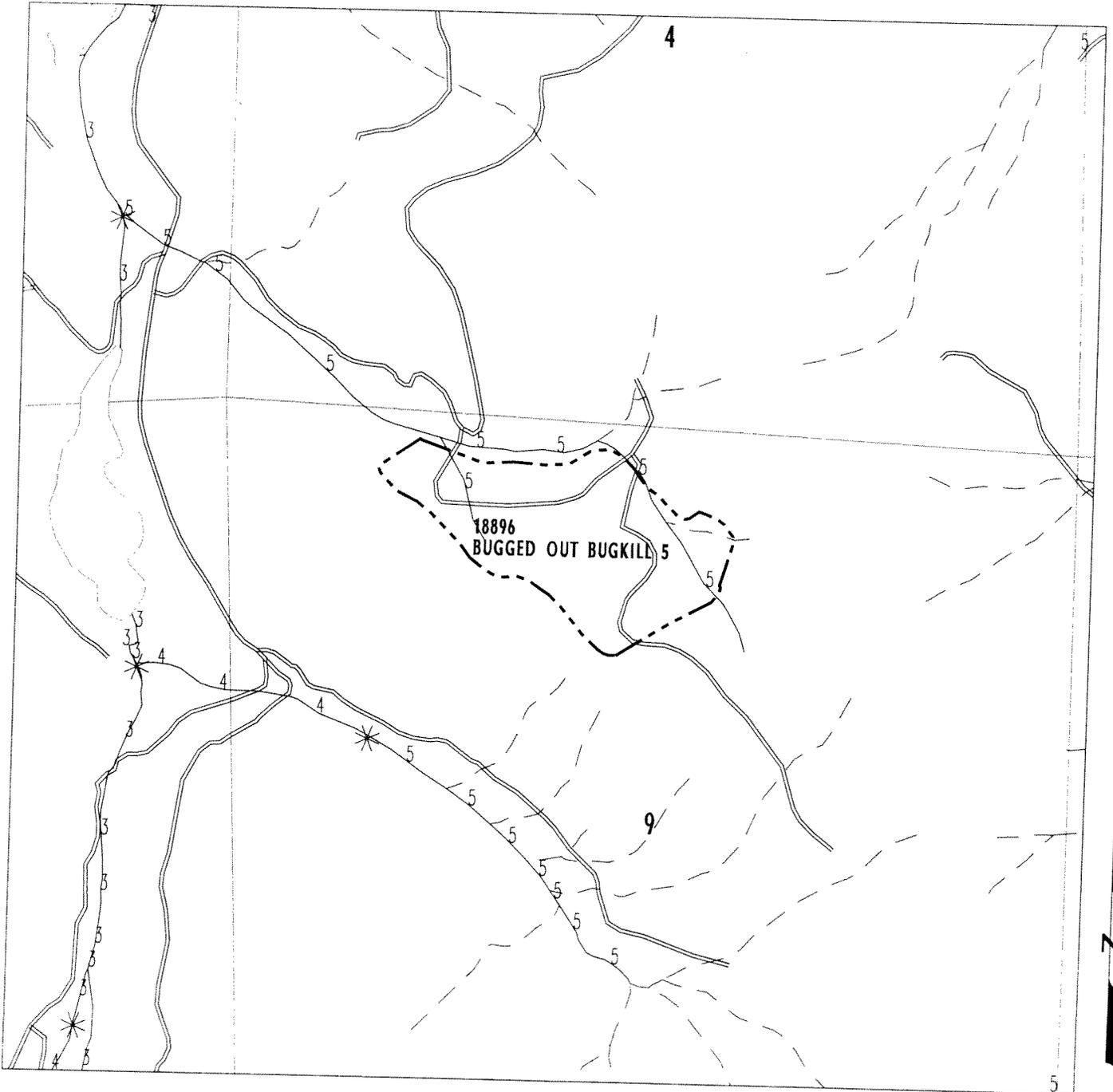
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 27

T38N-R24E SEC 9  
 UNIT NAME: BUGGED OUT BUGKILL 5

REGION: NORTHEAST  
 DISTRICT: HIGHLANDS  
 LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
 TRUST: 3



 Treatment Area  
 Buffer Area

 Unit Boundary  
 Stream  
 1 - 5 Water Types

 Paved Road  
 Unpaved Road  
 Other Surface

Scale 1:12000

Page No. 65

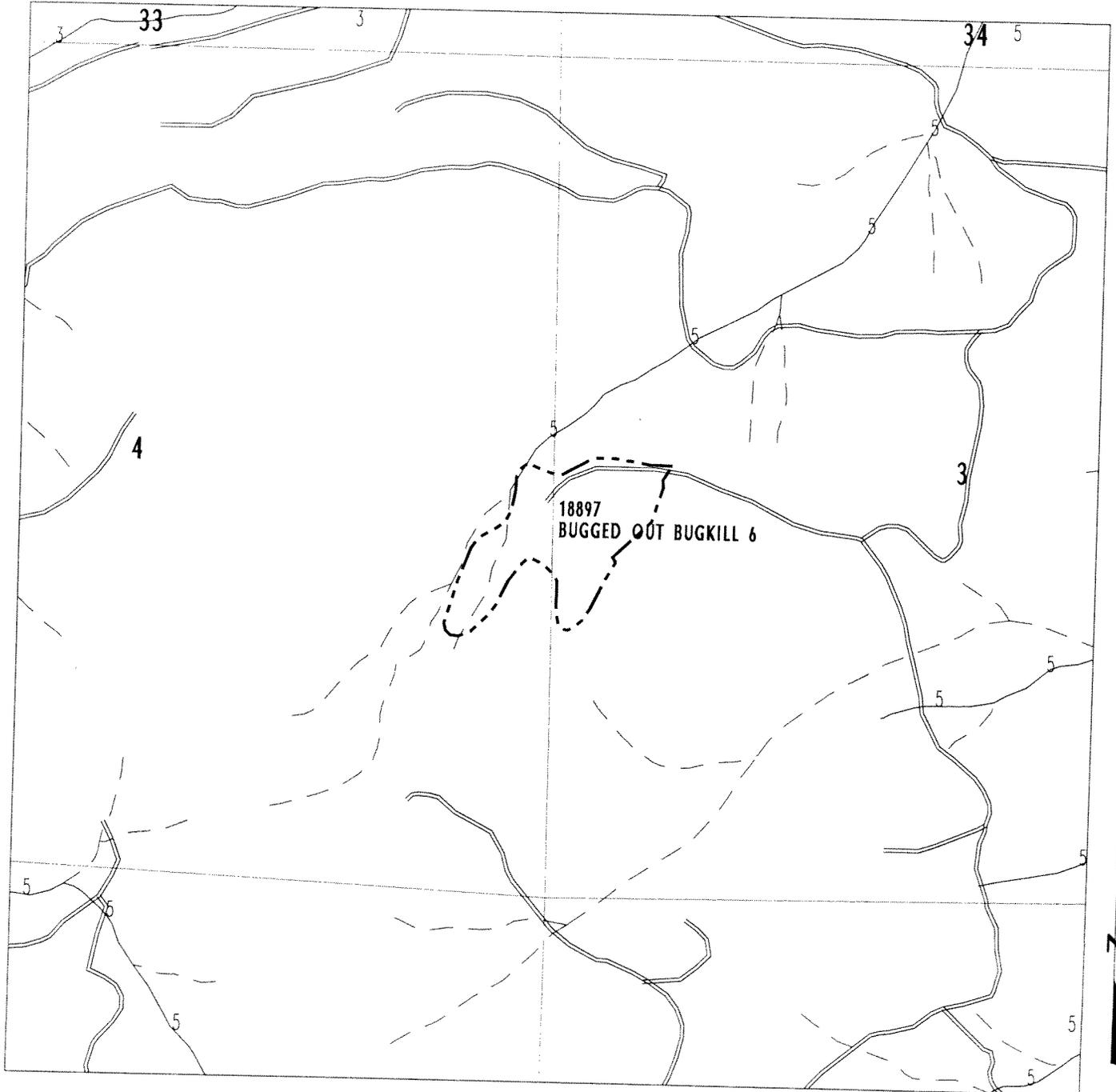
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 28

T38N-R24E SEC 4,3  
UNIT NAME: BUGGED OUT BUGKILL 6

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



- |  |   |  |
|--|---|--|
|  Treatment Area |  Unit Boundary     |  Paved Road    |
|  Buffer Area    |  Stream            |  Unpaved Road  |
|  |  1 - 5 Water Types |  Other Surface |

Scale 1:12000

Page No. 66

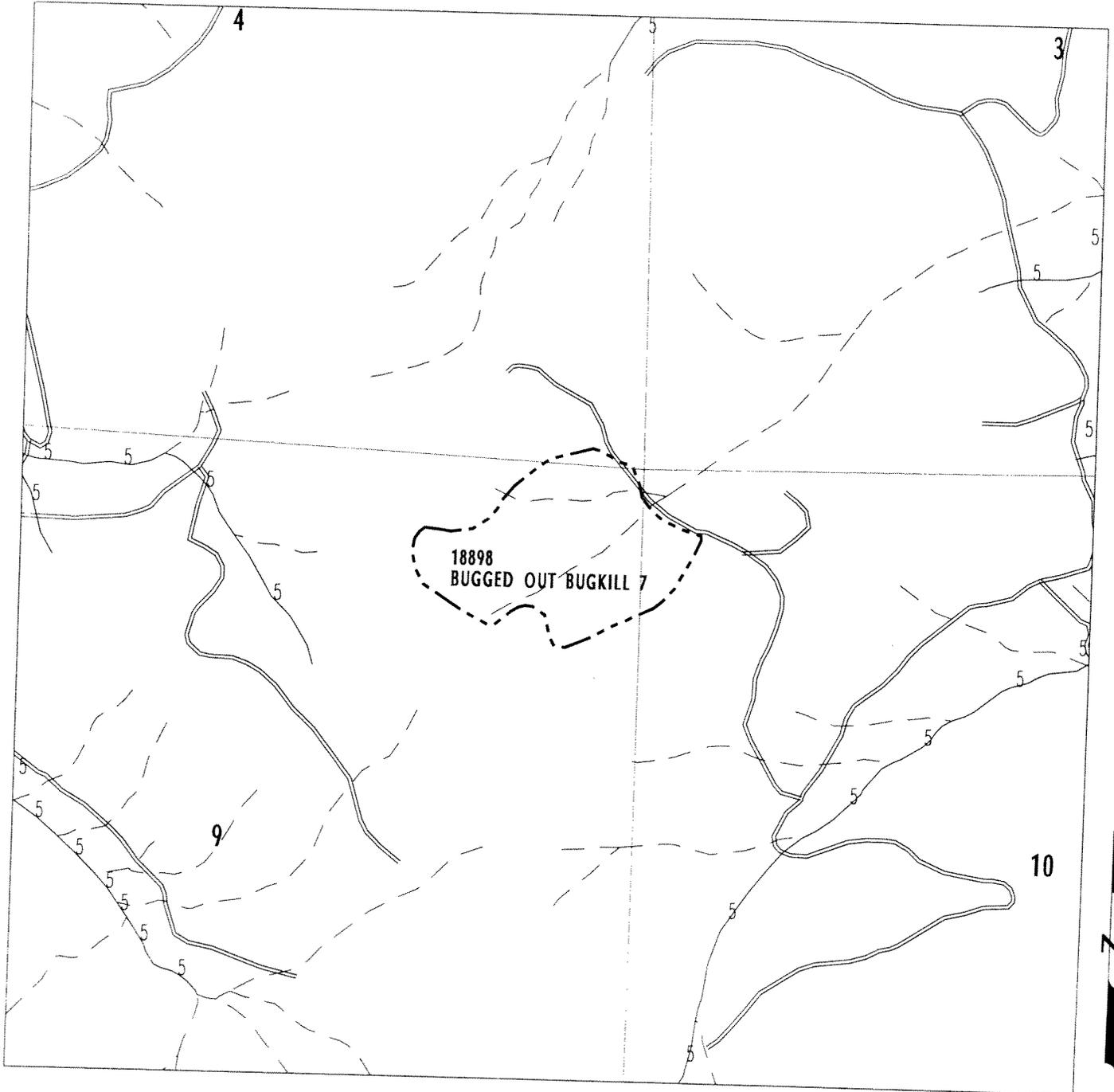
# UNIT MAP

Invitation to Bid No. \_\_\_\_\_ Item No. 1 Unit No. 29

T38N-R24E SEC 10,9,4  
UNIT NAME: BUGGED OUT BUGKILL 7

REGION: NORTHEAST  
DISTRICT: HIGHLANDS  
LOCAL: HIGHLANDS

COUNTY: OKANOGAN  
TRUST: 3



 Treatment Area

 Unit Boundary

 Paved Road

Scale 1:12000

 Buffer Area

 Stream

 Unpaved Road

1 - 5 Water Types

 Other Surface

Page No. 67

SECTION V  
BID FORM

STAND SURVEY

INVITATION TO BID/CONTRACT NUMBER 1129

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 1129.

Item No.	Unit No.	No. of Plots <sup>1</sup>	Acres <sup>1</sup>	Unit Bid Price (Per Acre)	Unit Total <sup>2</sup>
1	1 - 7	131	324	\$ _____ /Ac	\$ _____
1	8 - 13	86	202	\$ _____ /Ac	\$ _____
1	14 - 22	154	360	\$ _____ /Ac	\$ _____
1	23 - 29	88	214	\$ _____ /Ac	\$ _____
	Totals	459	1,100		\$ _____

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

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

Firm Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Title: \_\_\_\_\_

Address: \_\_\_\_\_  
 City and State: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Note:

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

<sup>1</sup> An approximate number

<sup>2</sup> Exclusive of Washington State Sales Tax

