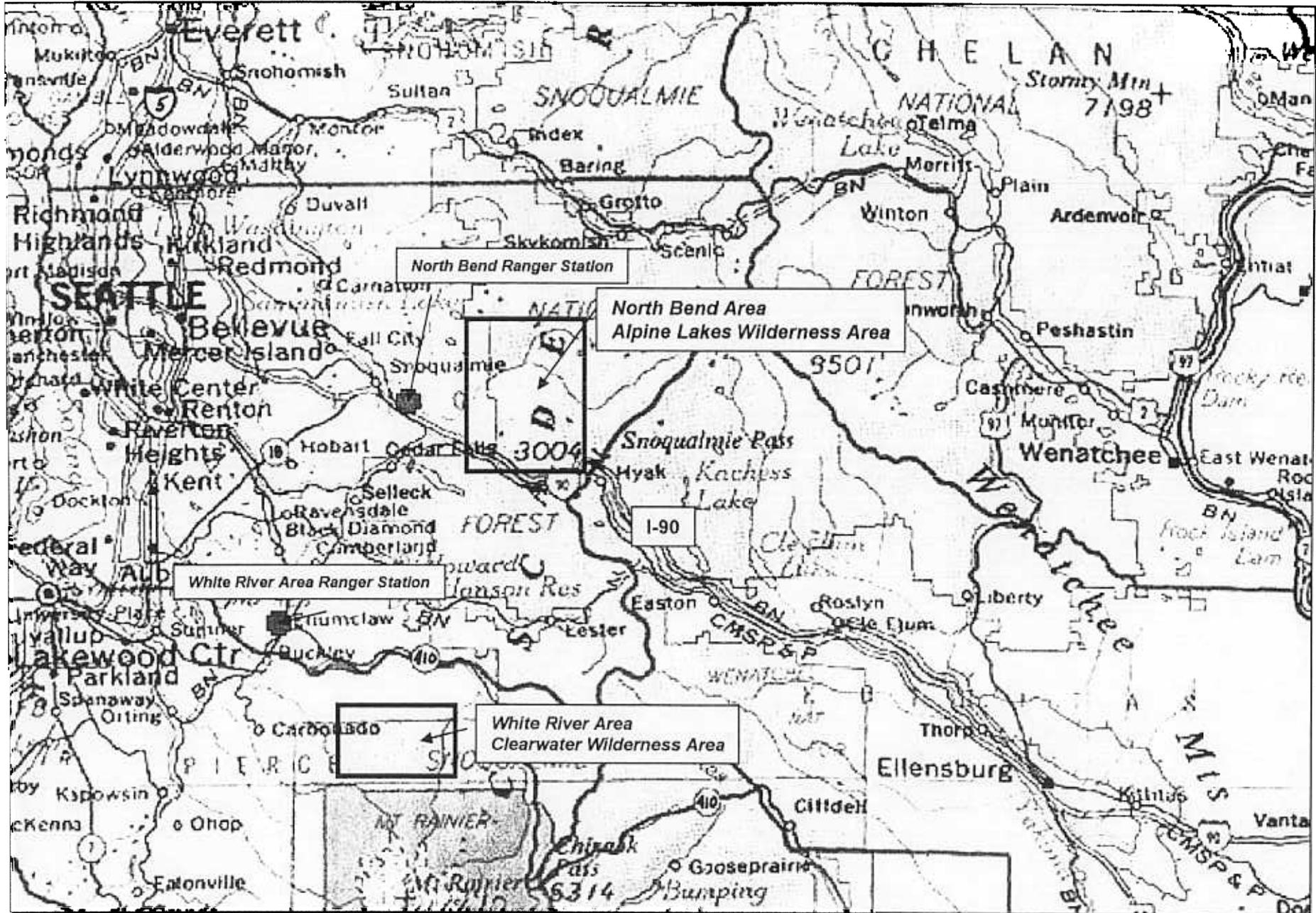


Trail Maintenance

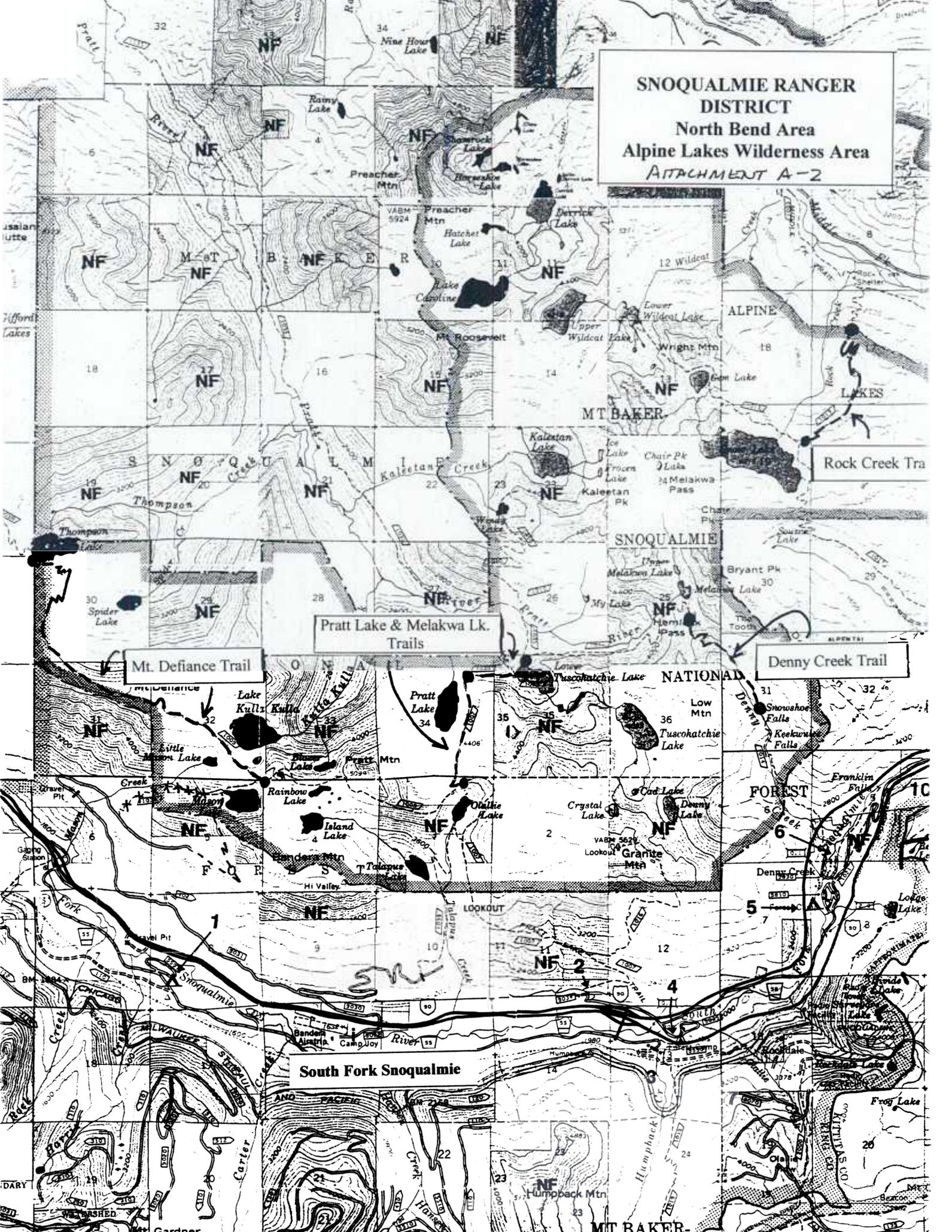
Mt. Baker-Snoqualmie National Forest

Snoqualmie Ranger District



ATTACHMENT A-1

SNOQUALMIE RANGER DISTRICT
North Bend Area
Alpine Lakes Wilderness Area
ATTACHMENT A-2



Pratt Lake & Melakwa Lk.
Trails

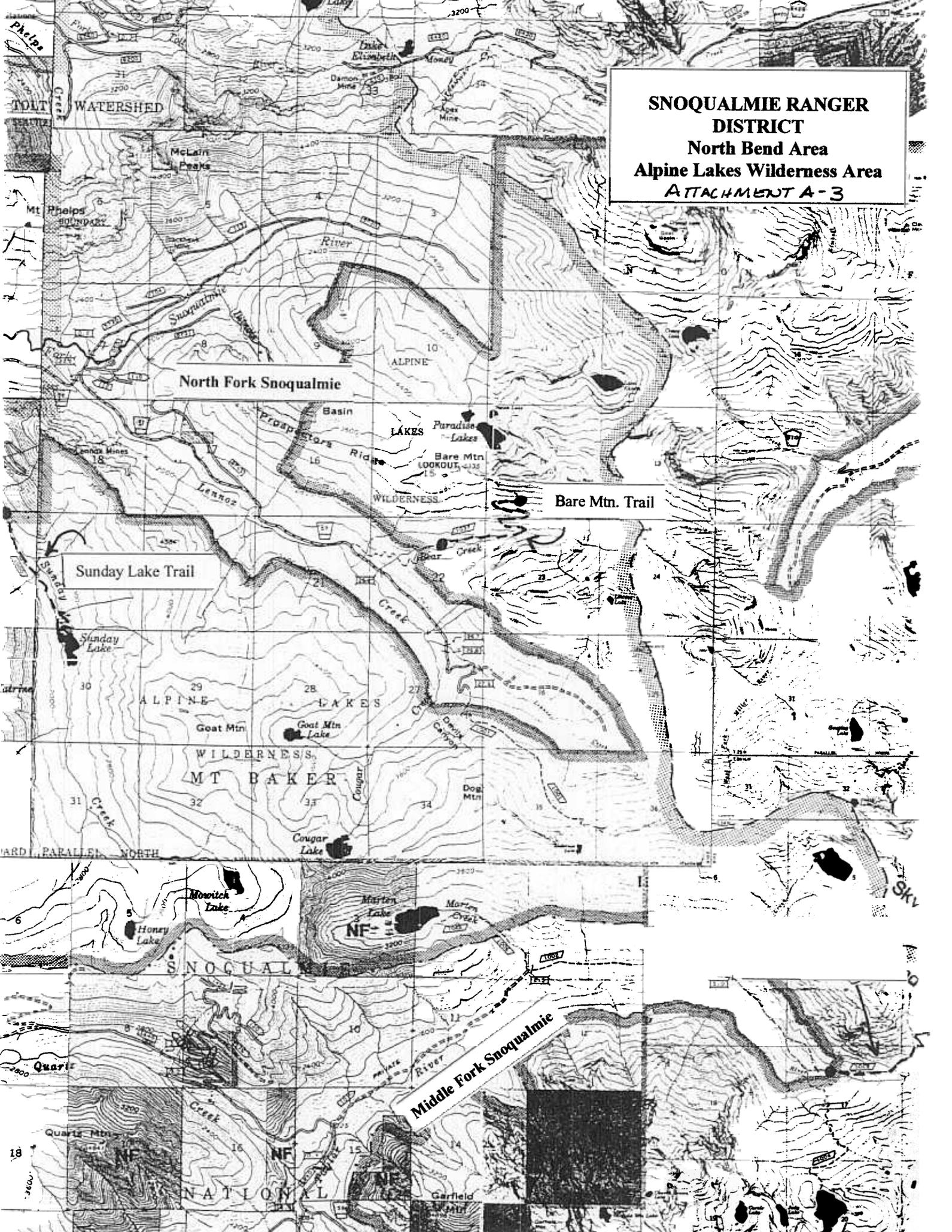
Mt. Defiance Trail

Denny Creek Trail

South Fork Snoqualmie

MT BAKER

SNOQUALMIE RANGER DISTRICT
North Bend Area
Alpine Lakes Wilderness Area
ATTACHMENT A-3



North Fork Snoqualmie

Bare Mtn. Trail

Sunday Lake Trail

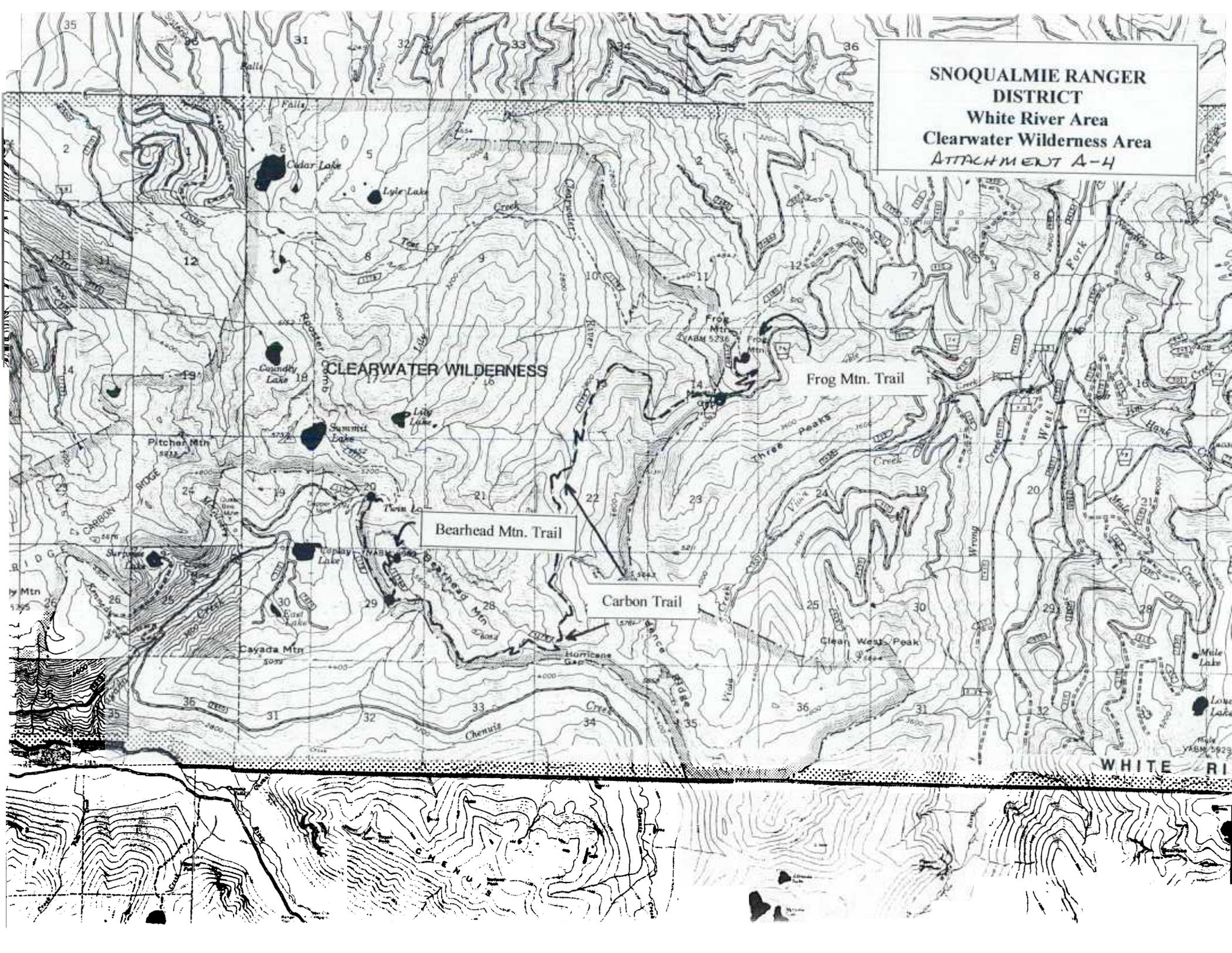
Middle Fork Snoqualmie

HARDY PARALLEL NORTH

18

SKY

SNOQUALMIE RANGER DISTRICT
White River Area
Clearwater Wilderness Area
ATTACHMENT A-4



**ATTACHMENT B
DETAILED TRAIL INFORMATION SHEET FOR WILDERNESS TRAILS**

**NORTH BEND AREA: Alpine Lakes Wilderness Area
WILDERNESS - BRUSHING**

Pay Item	Trail Name	Trail No.	Miles	KM	Last YR. Brushed	Comments
982(01)A	Rock Creek	1013.1	1.5	2.4	2003	Jct. 1013/1012 to Wilderness Bndy
982(01)B	Bare Mtn	1037.1	1.5	2.4	2003	M.P 1.3 (edge of timber/open avalanche slope) to MP. 2.7. (10 th switchback).
982(01)C	Sunday Lake	1000.1	1.1	1.8	2003	Wilderness boundary to Sunday Lake Inlet
982(01)D	Denny Creek	1014.1	1.5	2.4	2003	MP 2.5 (footlog) to MP. 4.0 (Hemlock Pass)
982(01)E	Mt. Defiance	1002.1	4.4	7.0	2003	Mason Lk Tr. Jct. (#1038) to Thompson Lake
982(01)F	Pratt Lake Trail	1007.1	1.4	2.2	2003	Jct. 1007 & Tr. 1009 to Pratt Lake
982(01)G	Melakwa Lk. Trail	1011.1	.7	1.1	2003	Pratt Lake to Lower Tuscohatchie lake
982(01)H	Snoqualmie Lake	1002	1.7	2.7	2003	Wilderness Bndy to Snoqualmie Lake Outlet. Work begins 6.5 miles from nearest trailhead.

The above trails are CLOSED to stock. Motorized equipment is prohibited within the Wilderness.

**WHITE RIVER AREA: Clearwater Wilderness Area
WILDERNESS BRUSHING**

982(01)I	Carbon Trail	1179	7.0	11.2	?	Twin Lakes to Martin Gap. Parts brushed by trail crews and volunteers over the past 5 years.
982(01)J	Bearhead Trail	1179.1	0.8	1.3	?	Carbon trail jct to lookout site. Parts brushed by trail crews and volunteers over the past 5 years.

The above trails are OPEN to stock. Motorized equipment is prohibited within the Wilderness

Wilderness / Brushing **21.6** **34.5**

WHITE RIVER AREA: NON-WILDERNESS BRUSHING

982(01)I	Frog Mtn. Trail	1179	3.1	5.0	2000	Marten Gap to FSR 74, spur 904
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The above trail is OPEN to stock, motorcycles, and mtn. bikes.

Non-Wilderness / Brushing **3.1** **5.0**

ATTACHMENT C

**FOREST SERVICE SPECIFICATIONS
FOR MAINTENANCE OF TRAILS**

SPECIFICATION LIST

Project Name: Snoqualmie Ranger District - Trail Maintenance **Date Prepared:** 5/2004 **Page:** 1 of 1

Spec. No	Item Description	Latest Rev. Date	Drawing Number
901	ABBREVIATIONS, ACRONYMS, & TERMS	9/96	
902	DEFINITIONS	9/96	
902 f1	Definitions	3/02	
903	INTENT OF CONTRACT	9/96	
904	MAINTENANCE FOR TRAFFIC	9/96	
905	CONTROL OF MATERIALS	9/96	
906	MEASUREMENT & PAYMENT	9/96	
907	QUAL. ASSURANCE & QUAN. MEAS.	9/96	
908	STAKING, FLAGGING, & CLEAN-UP	9/96	
981	BRUSH CUTTING	9/96	911-1 (4/96)
981 F1	Brush Cutting	7/00	

OTHER:

Supplement to REGION SIX FIRE PROTECTION AND SUPPRESSION Form R6-FS-6300-51

Standard Specifications for Maintenance of Trails
EM-7720-103
September 1996

Section 981—Brush Cutting

Description

981.01 Work. This work consists of removing brush, trees less than 100 mm in diameter, and shrubs within the clearing limits.

Requirements

981.02 General. Remove all limbs of shrubs and trees that extend across or into the clearing limits as SHOWN ON THE DRAWINGS. Saw or cut limbs flush with the tree trunk. Make cuts in a manner that will not tear or strip bark from the trees.

Cut and remove from the clearing limits all woody plants exceeding 12 mm in stem diameter or 0.3 m in height. The maximum size material to be cut under this specification is 100 mm in diameter when measured at a height of 150 mm above the ground on the uphill side of the stump.

Cut all brush and small, woody plants as near flush to the ground surface as possible. When impractical to cut plants flush, the maximum stem length shall be 50 mm.

Remove all woody material for a minimum of 75 mm below the trail tread surface. Fill holes in the trail tread caused by removing woody material with suitable material.

Scatter the clearing debris removed from the clearing limits outside and below the clearing limits. Do not place materials in stream channels, drainageways, ditches, culvert inlets, or other locations where they would prevent the free flow of water away from the trailbed.

Measurement

981.03 Method. Determine the quantity of brush cutting units by measuring the slope distance along the trail centerline.

Payment

981.04 Basis. Make payments, for all units inspected and accepted, at the unit price SHOWN IN THE SCHEDULE OF ITEMS. Make payment under:

PAY ITEM	PAY UNIT
981(01) Brush Cutting	km
981(02) Brush Cutting	m
981(03) Brush Cutting	LS

SPECIAL PROJECT SPECIFICATIONS
SPECIAL PROJECT SPECIFICATION
902.1 F1

SECTION 902 – DEFINITIONS

902 General

DELETE the entire specification. ADD the following:

When the following terms, or pronouns in place of them, are used in these specifications or in other contract documents, the intent and meaning are as follows:

Base Course. The layer or layers of specified material of designed thickness placed on a trailbed to support surfacing.

Batter. A backward and upward slope of the face of a wall.

Berm. A ridge of dirt and/or rock existing near the outside edge of the trail that obstructs the natural flow of water off the tread.

Borrow. Suitable materials taken from approved sources designated on the drawings or on the ground, to be used for embankments and backfilling.

Bridge. A structure, including supports, erected over a depression or stream, and having a deck for carrying traffic.

Brushing. The removal of all vegetation, including annuals, ferns, brush, and shrubs that are within the clearing limits. This includes the removal of trees that are less than 100mm in diameter and are within the clearing limits.

Building Limits. A line 5 feet outside foundations of the structure.

Calendar Day. Every day shown on the calendar, Sundays and holidays included.

Cap Rock. Rock placed in the top or uppermost layer in a constructed rock structure, such as a talus or rubble rock section or rock retaining wall.

Catch Point. The outer limits of a trailway where the excavation and/or embankment intersect with the ground line.

Change Order. A written order issued by the Contracting Officer, to the Contractor documenting modifications within the scope of the contract.

Clearing Limits. The area adjacent to and including the trailway and the tread that is cleared of all brush, logs and limbs.

Climbing Turn. A reverse in direction of trail grade without a level landing used to change elevation on a steep slope.

Compacted. Consolidation, obtained by tamping or rolling suitable material until no noticeable displacement of material is observed.

Contract Amendment. A bilateral written supplemental agreement between the Government and the Contractor.

Contracting Officer (CO). An official of the Government with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the CO acting within the limits of their authority as delegated by the CO.

Contracting Officer's Representative (COR). The duly authorized representative of the Contracting Officer,

responsible for on-site administration of the contract within the limits of specific written delegation of authority. May also be referred to as the Engineer.

Contractor . The individual, partnership, joint venture, or corporation undertaking the execution of the work under the terms of the contract and acting directly or through their agent, employees, or subcontractors.

Culvert. A drainage structure composed of rock, metal, or wood that is placed approximately perpendicular to and under the trail.

Cushion Material. Native or imported material, generally placed over rocky section of unsurfaced trail to provide a usable and maintained traveled way.

Danger Tree. An unstable tree 125 mm or greater in diameter at breast height that is likely to fall across the trail.

Definitions. Whenever, in these specifications or in other contract documents, the following terms or pronouns in place of them are used, the intent and meaning shall be interpreted as follows:

Drainage Dip. A reverse in the grade of the trail accompanied by outslope which will divert water off the trail.

Drawings. The approved documents and reproductions of these documents, including plan and profile sheets, cross sections, site plans, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, and similar documents showing details for construction of a facility.

Duff. Organic material overlying rock or mineral soil.

Embankment. A structure of suitable material placed on the prepared ground surface and constructed to the trailbed elevation.

Excess Excavation. Material in the railway in excess of that needed for construction of designed railways.

Equipment. All machinery and equipment, together with the necessary supplies for upkeep and maintenance, including tools and apparatus necessary for the proper construction and acceptable completion of the work.

Ford. A water-level stream crossing constructed to provide a level surface for safe traffic passage.

Forest Supervisor. The person, or designated representative, responsible for administration of a National Forest.

Full Bench. Trailbed constructed entirely on undisturbed material.

Grade. The vertical distance of ascent or descent of the trail expressed as a percentage of the horizontal distance.

Header Rock. Rock laid with the narrow end towards the face of the wall.

Inslope. The trail tread is sloped downward toward the cutslope of the trail.

Inspector. The government authorized representative designated in writing by the COR responsible for detailed inspections of contract performance, within delegation of authority.

Logging Out. Removing logs from within the clearing limits

Materials. Any substances for use in the construction of the project and its appurtenances.

Materials Source. A designated area where mineral material may be obtained, other than in tread excavation.

Mineral Soil. Soil or aggregate that is free from organic substances and contains no particles larger than 50 mm at their greatest dimension.

Notice of Non-Compliance. Written notice issued detailing specific area(s) of non-compliance with contract requirements

Original Contract Quantities. Those quantities shown in the Schedule of Items as awarded.

Outslope. The tread is sloped downward toward the downhill side of the trail.

Pay Item. A unit of work for which a price is shown in the Schedule of Items.

Percent. A term used to describe the gradient of the tread or sideslope. It is a change in elevation of 1 foot to a horizontal distance of 100 feet; example, 1 foot rise over 10 feet distance = 10%.

Puncheon. A log or timber structure built to cross a swamp or drainway. Usually consists of sills, stringers and deck

Right-of-Way. A general term denoting land, property, or interest therein acquired for or devoted to a road or a construction site.

Schedule of Items. Schedule in the contract which contains a listing and description of construction items, quantities, units of measure, method of measurement, unit price and amount.

Sideslope. The natural slope of the ground measured at right angle to the centerline of the trail.

Slide. Soil and/or rock which has slid onto the trail tread from the cutslope and possibly beyond in quantities sufficient to block the trail.

Slough. Soil and/or rock that has raveled onto the trail tread from the cutslope. The quantity is insufficient to block traffic and covers the inside of the tread.

Slump. Where the trailbed material has moved downward, causing a dip in the trail grade.

Special Project Specifications. Specifications which detail the conditions and requirements peculiar to the individual project, including but not limited to CSI format specifications and addition and revisions to Standard Specifications.

Specifications. A general term applied to all written directions and requirements pertaining to performance of work.

Standard Specifications. Specifications established for Region-wide use for construction and maintenance of facilities which cover most items of work likely to be performed; such as Earthwork, Base Courses, Pavement, Concrete, etc.

Surfacing. Material placed on top of the trailbed or base course that provides the desired tread.

Suitable Material. Rock that can be accommodated in the trail structure, and soil free of duff with a recognizable granular texture.

Switchback. A sharp curve between two legs of the trail used on hillside to reverse the direction of travel.

Surfacing. Material placed on top of the trailbed or base course that provides the desired tread.

Suitable Material. Rock that can be accommodated in the trail structure, and soil free of duff with a recognizable granular texture.

Trailbed. The finished surface on which base course or surfacing may be constructed. For trails without surfacing the trailbed is the tread.

Trailway. The portion of the trail between the top of the cutslope and toe of the fill slope to the specified height of the clearing limits.

Tread. The portion of the railway constructed free of obstacles and used for traffic.

Turnpike. Tread made stable in wet, boggy areas by placing mineral soil between parallel side logs. Usually includes ditches along side the trail.

Utility Services. Are services such as electricity, gas, steam, water, and sewage

Waterbar. A device used for turning water off the trail, usually made of logs or stones.

Work Order. A written instruction directing the Contractor to fulfill contract – requirements

SPECIAL PROJECT SPECIFICATION

981.01 F1

SECTION 981 – BRUSH CUTTING

981.01 General

DELETE the first paragraph in its entirety. ADD the following:

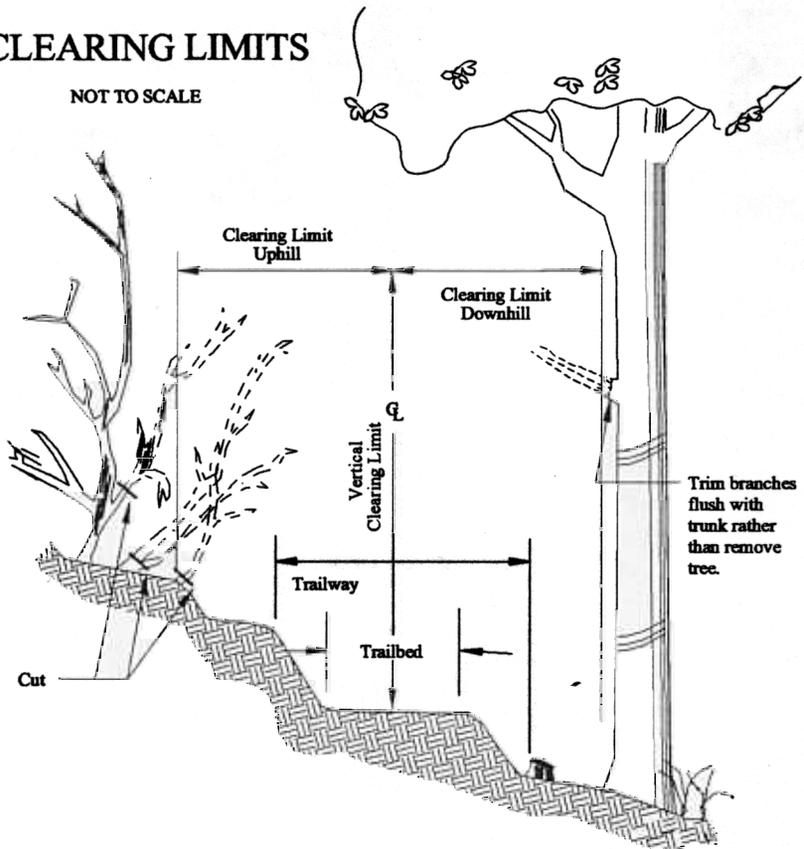
This work consists of removing all vegetation (including annuals, ferns, brush, shrubs, and trees) less than 100mm (4”) in diameter that are within the clearing limits.

CLEARING LIMITS

NOT TO SCALE

Clearing Limits (mm)

Location	Uphill	Downhill	Height
ALL	1200 mm 4'	1200 mm 4'	3000 mm 10'



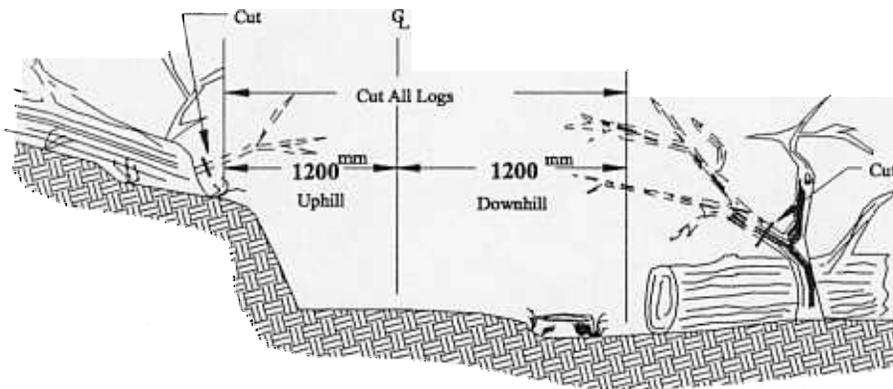
Do not remove trees over 80 mm in diameter if they are over 1 m from the centerline (both sides).

Remove all trees 80 mm or less in diameter if they are within 1 m of centerline (both sides).

Stump Height Requirements* (mm)

Stump Position	Side Slope	Uphill	Downhill
Stumps between the trailway and clearing limits.	Side slope less than or = to 10%	50mm (2")	50mm (2")
	Side slope over 10%	50mm (2")	50mm (2")
Stumps outside the clearing limits	Side slope less than or = to 10%	N/A	N/A
	Side slope over 10%	N/A	N/A

*All heights measured on uphill side of stumps.



determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Title and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by the Third Supplement, dated March 1997, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)} When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to

compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

Attachment E

PACIFIC NORTHWEST REGION

FIRE PROTECTION AND SUPPRESSION

1. Fire Period and Closed Season

Specific fire prevention measures are listed below and shall be effective for the period April 1 to October 31 of each year. The Forest Service may change the dates of said period by advance written notice if justified by unusual weather or other conditions. Required tools and equipment shall be kept currently in serviceable *condition and* immediately available for initial attack on fires.

2. Fire Plan

Before starting any operations on the project, the Contractor, Permittee, Licensee, or Purchaser, hereinafter referred to as the "Contractor," shall prepare a fire plan in cooperation with the Contracting officer providing for the prevention and control of fires in the project area.

The Contractor shall certify compliance with fire protection and suppression requirements before beginning operations during the fire period and closed season, and shall update such certification when operations change.

3. Substitute Measures

The Contracting officer may by written notice authorize substitute measures or equipment or may waive specific requirements during periods of low fire danger.

4. Emergency Measures

The Forest Service may require emergency measures, including the necessary shutting down of equipment or portions of operations in the project area during periods of fire emergency created by hazardous climatic conditions.

5. Fire Control

The Contractor shall, independently and in cooperation with the Forest Service, take all reasonable action to prevent and suppress fires in the project area. Independent initial action shall be prompt and shall include the use of all personnel and equipment available in the project area.

For the purpose of fighting forest fires on or in the vicinity of the project which are not caused by the Contractor's operations, the Contractor shall place employees and equipment temporarily at the disposal of the Forest Service. Any individual hired by the Forest Service will be employed in accordance with the Interagency Pay Plan for Emergency Firefighters. The Forest Service will compensate the Contractor for equipment rented at fire fighting equipment rates common in the area, or at prior agreed to rates.

6. Compliance with State Forest Laws

Listing of specific fire precautionary measures herein is not intended to relieve the Contractor in any way from compliance with the State Fire Laws covering fire prevention and suppression equipment, applicable to operations under this contract, permit or license.

7. Fire Precautions

Specific fire precautionary measures are as follows:

a. Smoking and Open Fires

Smoking and fires shall be permitted only at the option of the Contractor. The Contractor shall not allow open fires on the project area without advance permission in writing from Forest Service.

Unless restricted by State Law or Federal Regulation, smoking shall be permitted only in such portions of the project area that are free of flammable material. Smokers shall sit down to smoke in such a position that any burning material will fall within a cleared area, and shall extinguish and press out in mineral soil all burning material before leaving the cleared area.

b. Fire Extinguishers and Equipment on Trucks, Tractors, etc.

All power-driven equipment operated by the Contractor on National Forest land, except portable fire pumps, shall be equipped with one fire extinguisher having a UL rating of at least 5 BC, and one "D" handled or long handled round point shovel, size "O" or larger. In addition, each motor patrol, truck and passenger-carrying vehicle shall be equipped with a double-bit axe or Pulaski, 3-1/2 pounds or larger.

Equipment shall be kept in a serviceable condition and shall be readily available.

c. Power Saws

Each gasoline power saw operator shall be equipped with a pressurized chemical fire extinguisher of not less than 8-ounce capacity by weight, and one long-handled round point shovel, size "o" or larger. The extinguisher shall be kept in possession of the saw operator at all times. The shovel shall be accessible to the operator within 1 minute.

d. Extinguishers

One refill for each type or one extra extinguisher sufficient to replace each size extinguisher required on equipment shall be safely stored in the fire tool box or other agreed upon place on the project area that is protected and readily available.

e. Spark Arresters and Mufflers

Each internal combustion engine shall be equipped with a spark arrester meeting either (1) USDA Forest Service Standard 5100-1a, or (2) appropriate Society of Automotive Engineers (SAE) recommended practice J335(b) and J350(a) as now or hereafter amended unless it is:

- (1) Equipped with a turbine-driven exhaust supercharger such as the turbocharger. There shall be no exhaust bypass.
- (2) A passenger-carrying vehicle or light truck, or medium truck up to 40,000 GVW, used on roads and equipped with a factory-designed muffler complete with baffles and an exhaust system in good working condition.

- (3) A heavy duty truck, such as a dump or log truck, or other vehicle used for commercial hauling, used only on roads and equipped with a factory designed muffler and with a vertical stack exhaust system extending above the cab.

Exhaust equipment described in this subsection, including spark arresters and mufflers, shall be properly installed and constantly maintained in serviceable condition.

f. Emergency Fire Precautions

The Contractor shall restrict operations in accordance with the Industrial Fire Precaution Levels listed below. The Forest Service may change the Industrial Fire Precaution Levels to other values upon revision of the National Fire Danger Rating System and may change the specific Industrial Fire Precaution Levels when such changes are necessary for the protection of the National Forest. When Bent to the Contractor, the revised Industrial Fire Precaution Levels will supersede the attached levels.

INDUSTRIAL FIRE PRECAUTIONS SCHEDULE

LEVEL

INDUSTRIAL FIRE PRECAUTION (IFPL)

- I. Closed season - Fire precaution requirements are in effect. A fire watch/security is required at this and all higher levels unless otherwise waived.
- II. Partial hootowl - The following may operate only between the hours of 8 p.m. and 1 p.m., local time:
 - a. power saws, except at loading sites;
 - b. cable yarding;
 - c. blasting;
 - d. welding or cutting of metal.

- III. Partial shutdown - The following shall be prohibited except as indicated:

Cable yarding - except that gravity operated logging systems employing non-motorized carriages may be operated between the hours of 8 p.m. and 1 p.m., local time, when all block and moving lines, except the line between the carriage and the chokers, are suspended 10 feet above the ground;

Power saws - except power saws may be used at loading sites and on tractor/skidder operations between the hours of 8 p.m. and 1 p.m., local time.

In addition, the following are permitted between the hours of 8 p.m. and 1 p.m., local time:

- a. tractor/skidder operations;
- b. mechanized loading and hauling of any product or material;

- c. blasting;
- d. welding or cutting of metal;
- e. any other spark-emitting operation not specifically mentioned.

IV. General shutdown - All operations are prohibited.

The following definitions shall apply to these Industrial Fire Precaution Levels:

Cable yarding systems: A yarding system employing cables and winches in a fixed position.

Closed season (Fire Precautionary Period): That season of the year when a fire hazard exists as declared by the responsible agency official.

Contracting officer: The person executing the contract, permit or license on behalf of the Government and includes that person's designated representative, acting within the limits of their authority or the duly appointed successor to the individuals.

Loading sites/woods site/project area: A place where any product or material (including but not limited to logs, firewood, slash, soil, rock, poles, posts, etc.) is placed in or upon a truck or other vehicle.

Low hazard area: Means any area where the responsible agency representative (WDNR, ORF, BIA, BLM) determines the combination of elements reduces the probability of fire starting and/or spreading.

Tractor/skidder operations: include a harvesting operation, or portion of a harvesting operation, where tractors, skidders, or other harvesting equipment capable of constructing fireline, are actively yarding forest products and can quickly reach and effectively attack a fire start.

Waivers, written in advance, may be used for any and all activities. Activities for which waivers may be issued include, but are not limited to:

- a. mechanized loading and hauling;
- b. road maintenance such as sprinkling, graveling, grading and paving;
- c. cable yarding using gravity systems or suspended lines and blocks, or other yarding systems where extra prevention measures will significantly reduce the risk of fire;
- d. powers saws at loading sites or in felling and bucking where extra prevention measures will significantly reduce the risk of fire;
- e. maintenance of equipment (other than metal cutting and welding) or improvements such as structures, fences and powerlines.

Such waiver, or substitute precautions will prescribe measures to be taken by the Contractor to reduce the risk of ignition, and/or the spread of fire. The Contracting officer shall consider site specific weather factors, fuel conditions, and specific operations that result in less risk of fire ignition and/or spread than contemplated when precaution level was predicted. Consideration shall also be given to measures that reduce the precaution levels above. The Contractor shall assure that all conditions of such waivers or substitute precautions are met.

The Contractor shall obtain the predicted Industrial Fire Precaution Level daily, prior to the start of work, from the appropriate Ranger District headquarters. If predictions made after 6:00 p.m., local time, are significantly different than the original prediction, the Forest Service will inform the Contractor when changes in restrictions or industrial precautions are made.

NOTE:The IFPL system does not apply on lands protected by ODF east of the summit of the Cascades.

Where hauling involves transit through more than one shutdown/regulated use area, the precaution level at the woods loading site shall govern the level of haul restriction, unless otherwise prohibited by other than industrial precaution level system.

8. Fire Tools

The Contractor shall furnish serviceable fire fighting tools in a readily accessible fire tool box or compartment of sound construction with a hinged lid and hasp so arranged that the box can be secured or sealed. The box shall be red and marked "Fire Tools" in letters one inch high. It shall contain a minimum of:

- a. 2 axes or Pulaskis with a 32-inch handle;
- b. 3 adze eye hoes. one Pulaski may be substituted for 1 adze eye hoe;
- c. 3 long-handled, round point shovels, size "o" or larger.

9. Fire Security

When the Industrial Fire Precautions Level is "I" or higher, unless a waiver is granted, the Contractor shall designate a person who shall perform fire security services listed below on the project area and vicinity. The designated person shall be capable of operating the Contractor's communications and fire fighting equipment specified in the contract, excluding helicopters, and of directing the activities of the Contractor's personnel on forest fires. In lieu of having the designated person perform the required supervisory duties, the Contractor may provide another person meeting the qualifications stated above to direct the activities of Contractor's personnel and equipment during all fire fighting activities.

Services described shall be for at least 1 hour from the time the Contractor's operations are shut down. For the purposes of this provision, personnel servicing equipment, and their vehicles, who are not engaged in cutting or welding metal are excluded.

Fire security services shall consist of moving throughout the operation area or areas constantly looking, reporting, and taking suppression action on any fires detected. Where possible, the designated person shall observe inaccessible portions of helicopter operating areas from vantage points within or adjacent to project area.

10. Blasting

Whenever the Industrial Fire Precaution Level is "II" or greater, a fire security person equipped with a long-handled, round point, No. "0" or larger, shovel, and a five-gallon backpack pump can filled with water will stay at location of blast for I hour after blasting is done. Blasting may be suspended by Forest service in writing, in an area of high rate of spread and resistance to control.

Fuses shall not be used for blasting. Explosive cords shall not be used without written permission of Forest Service, which may specify conditions under which such explosives may be Used and precautions to be taken.

Additional Fire Precautionary Measure 1 – Tank Truck

11. Contractor shall provide a tank truck or trailer, containing not less than 300 gallons of water, during yarding, loading, land clearing, right-of-way clearing and mechanical treatment of slash. A tank truck or trailer will not be required if powersaw falling and bucking is the only operation. Such tank truck or trailer shall be maintained in a serviceable condition and located within 10 minutes, round trip, from each project area during fire period and closed season.

The tank truck or trailer shall be equipped with a pump capable of discharging 20 gallons of water per minute, using a ¼ inch nozzle tip, through a 50 foot length of rubber lined hose. In addition, 500 feet of serviceable fabric jacket rubber lined hose of not less than 1 inch outside diameter, fitted with a nozzle capable of discharging a straight stream of ¼ inch diameter and a spray pattern shall be immediately available for use. The tank, pump and at least 250 feet of hose and nozzle shall be connected and ready for use at all times.

If a trailer is used, it shall be equipped with a hitch to facilitate prompt movement. A serviceable tow vehicle shall be immediately available for attachment to the trailer and must meet the time requirements stated above. Such truck or trailer shall be equipped to operate for a minimum of 8 hours. Tank truck or trailer shall be available from the start of work to the end of the Fire Watch/Fire Security service.

Additional Fire Precautionary Measure 2 - Communications

12. The Contractor shall provide adequate two-way communication facilities to report a fire to Forest Service within 15 minutes of detection. FCC Regulations prohibit commercial use of Citizen Band (CB) radios. (CB's are not considered adequate two-way communications).

Such communications shall be operable during periods of operation of power-driven equipment, including the time fire security is required.

Fire Plan

(For use with Forms R6-6300-50,
R6-FS-6300-51, and R6-FS-6300-52)

Contractor

Contract Number

Project Name

Contract Performance Period

Contractor's Representative for Fire Matters

Name	Title	Office Phone	Home Phone
_____	_____	_____	_____

Contracting Officer's Representative

Name	Office	Office Phone	Home Phone
_____	_____	_____	_____

Forest Service Inspector(s)

Name	Office	Office Phone	Home Phone
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Action by Contractor

The Contractor shall take on reasonable and practical action to prevent and suppress fires in the project area. The Contractor shall take suppression action immediately upon discovery of, or becoming aware of, such fire.

Action by Forest Service

The Forest Service may counsel with the Contractor on suppression action and will, when necessary, supplement the Contractor's efforts by furnishing personnel and equipment not available to the Contractor. In the event that a fire is not suppressed by the Contractor, and will require appreciable reinforcements, the Forest Service may take over suppression of the fire and may employ the Contractor's personnel and equipment.

Fire Prevention and Suppression

Predicted fire precautions class may be obtained from the following sources:

1-800-527-3305 or from the Washington State DNR website: www.wa.gov/dnr/htdocs/rp/ifpltoday.html. (Updated daily at approximately 4:30 p.m.) Call the local Forest Service office (Cowlitz Valley Ranger Station: 360-497-1100; Mt. Adams Ranger Station: 509-395-3400 and Mount St. Helens NVM: 360-449-7800) and dial extension: 891-5144.

IFPL boards are located at Cowlitz Valley Ranger Station in Randle; Packwood Work Center in Packwood; Mt. Adams Ranger Station in Trout Lake; at the north end of the High Bridge on the Wind River Highway, north of Carson; adjacent to the Chelatchie Prairie General Store across 503 Highway from the Mount St. Helens NVM Headquarters; at the junction of Forest Service road 81 and the 503 spur west of Cougar; and at Pine Creek Work Center at the east end of Swift Reservoir on Forest Service road 90.

The Contractor has employed or designated the following named individual(s) as fireguard, whose duty is the detection and suppression of fires:

Name	Office Phone	Home Phone
_____	_____	_____
_____	_____	_____

Contractor will, will not, permit employees to smoke while in the project area.
Open fires will, will not, be permitted by the Contractor. Although these activities may be permitted by the Contractor, it is understood that neither shall be allowed without being authorized, in writing, by the Contracting Officer's Representative.

Reporting Fires

During business hours fires shall be reported to the local Forest Service office, numbers listed above.

After hours and on Forest Service land call: **1-360-896-3473.**

If after hours and on State lands call: **1-800-527-3305**

Special Fire Qualifications of Contractor's Employees

<u>Name</u>	<u>Best Fire Assignment</u>	<u>Other Qualifications</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Total number of employees who could perform firefighting duties: _____

<u>Vehicle Description, Type, Make, Model, Size, Year</u>	<u>Number of Units</u>	<u>Location</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Joint Preparation of this fire plan is acknowledged:

Contractor or Designated Representative

Contracting Officer's Representative

Date

Date

Supplement to REGION SIX FIRE PROTECTION AND SUPPRESSION
Form R6-FS-6300-52

Clause 8 - Fire tools: Delete in its entirety and add the following:

The contractor's normal working tools will be accepted as fire tools; provided there is a hand tool for each employee; tools are maintained (sharp, serviceable handles, etc.) to a fire tool standard; there is at least one shovel and one axe or pulaski for every two (2) employees; and that the tools are located within a 5 minute round trip of the current work site.

The contractor will in addition to the above be required to have full a 5 gallon backpack water pump can within a 5 minute round trip of the current work site.