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United States  
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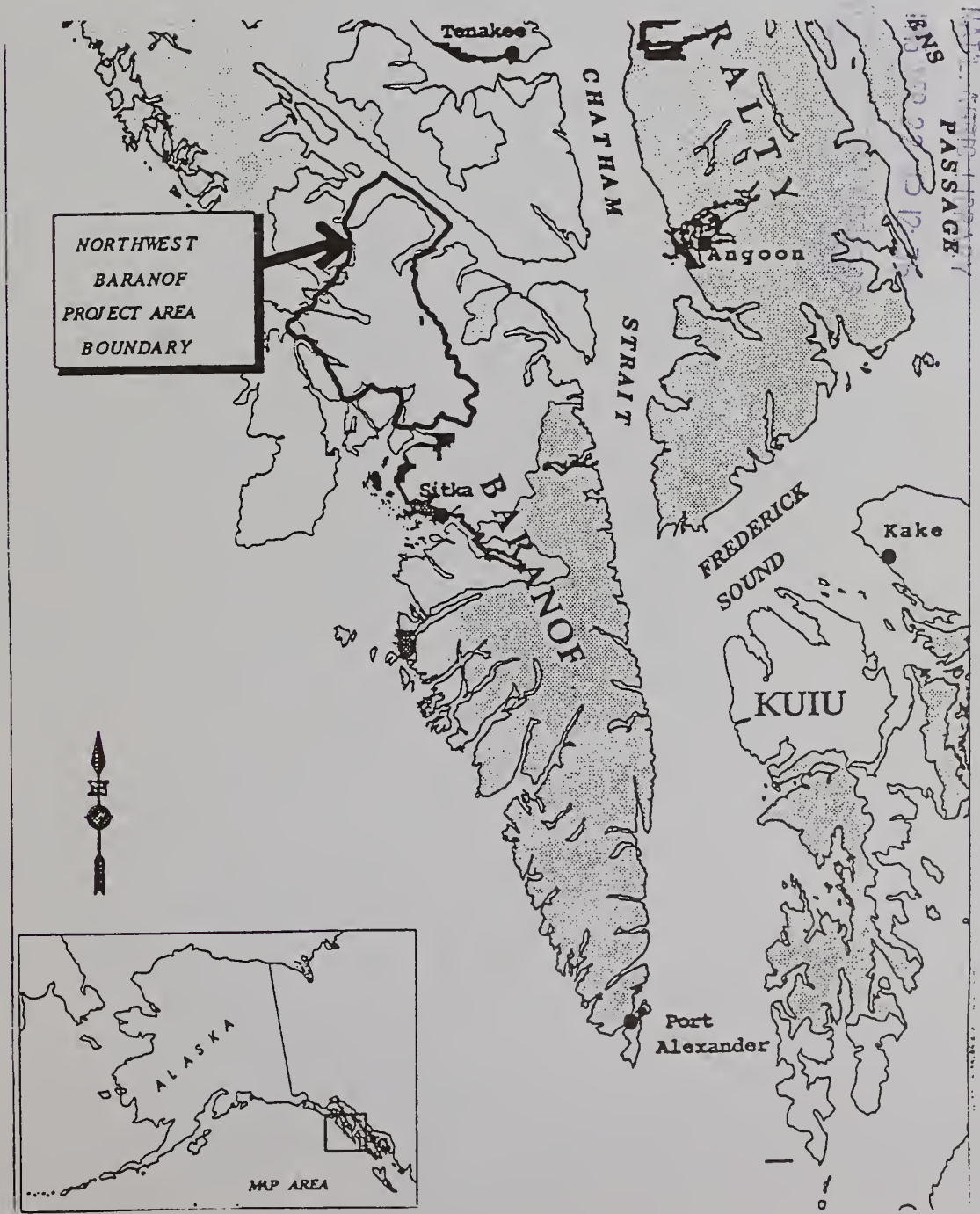


# Northwest Baranof

## Timber Sale(s)

### Draft Environmental Impact Statement

#### Volume II



USDA  
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# **Appendix A**

## **Enhancement Opportunities, Mitigation, and Monitoring**



# Appendix A

## Enhancement Opportunities

### Silviculture

Silvicultural enhancement opportunities include both post-harvest hand planting and post-harvest precommercial thinning. In addition there are silvicultural opportunities in previously harvested units. Further field work is needed to identify specific timber stands where post-harvest silviculture treatment is most appropriate. In general, many of these stands are in riparian areas and silviculture treatments would benefit other resources besides timber production including wildlife, fisheries, soils, and watershed.

Silviculture treatments that may benefit wildlife include: mixed grid spacings, thickets, and gaps. These treatments could enhance forage production, hiding cover, and thermal cover requirements for wildlife.

Silviculture treatments in areas adjacent to streams may increase diversity, maintain/enhance wildlife travel corridors, and enhance tree growth to accelerate production of large trees to provide future large woody debris input into the streams.

Silvicultural treatments expected to occur in the Northwest Baranof Project Area after timber harvest activities are completed. These treatments include hand planting, precommercial thinning of proposed harvest units, and surveys of possible precommercial thinning of previously harvested areas.

#### **Hand Planting**

Hand planting of yellow-cedar is proposed for units to be harvested using the clearcut with reserves harvest method, where a significant portion of the existing stand is composed of yellow-cedar. This will maintain cedar as a component in the post-harvest stand, and will alleviate concerns over natural regeneration of yellow-cedar following harvest. In addition, planting yellow-cedar will improve structural and horizontal diversity in the post-harvest stand. Table A-1 shows units proposed for hand planting by alternative.

#### **Precommercial Thinning**

Precommercial thinning to control stocking and species composition, as well as to improve wildlife habitat, is projected for the units listed below by alternative. These units would be surveyed for precommercial thinning needs between 15 and 20 years after harvest. Projections are based on units with a site index equal to or greater than 80, as these are the most productive sites and would be the highest priority for thinning. Additional units may be thinned, based on benefits to wildlife and/or funding. Table A-2 shows units proposed for precommercial thinning by alternative.

# Appendix A

Table A-1 Units Proposed for Hand Planting by Alternative	
Alternative 1	Units
344 Acres	3052, 3063, 3313, 4081, 4083, 4084, 5001, 5002, 6283, 6303, 6333, 7002, 7003, 7004, 7005, 7162, 7163, 7164, 7262, 8061, 9011, 9012, 9021, 9061
Alternative 2	Units
412 Acres	2042, 2043, 3052, 3063, 3305, 3311, 6283, 6303, 6333, 6364, 7002, 7003, 7004, 7005, 7292, 9011, 9012, 9021, 9041, 9061, 9062
Alternative 3	Units
277 Acres	2042, 2043, 3052, 3063, 3305, 3311, 3313, 4081, 4083, 4084, 5001, 5002
Alternative 4	Units
573 Acres	2042, 2043, 3052, 3063, 3305, 3311, 3313, 4081, 4083, 4084, 5001, 5002, 6283, 6303, 6333, 6364, 7002, 7003, 7004, 7005, 7162, 7163, 7164, 7262, 7292, 8061, 9011, 9012, 9021, 9041, 9061, 9062

Table A-2 Units Proposed for Precommercial Thinning by Alternative	
Alternative 1	Units
932 Acres	1221, 1252, 1275, 3051, 3052, 3053, 3054, 3055, 3132, 3313, 3315, 4031, 4041, 4081, 4082, 5005, 5012, 6271, 6272, 6281, 6301, 6331, 6332, 6333, 6334, 7002, 7003, 7005, 7006, 7161, 7163, 7282, 8061, 8062, 8063, 9011, 9012, 9021, 9022, 9023, 9031, 9052, 9061
Alternative 2	Units
1538 Acres	1061, 1065, 1071, 1072, 1145, 1147, 1171, 1172, 1221, 1252, 1275, 3002, 3012, 3014, 3015, 3033, 3051, 3052, 3053, 3054, 3055, 3132, 3141, 3142, 3143, 3201, 3291, 6271, 6272, 6281, 6301, 6331, 6332, 6333, 6334, 6344, 6345, 6361, 6363, 6373, 7002, 7003, 7005, 7006, 7291, 7292, 7293, 9011, 9012, 9021, 9022, 9023, 9031, 9041, 9051, 9052, 9061, 9062
Alternative 3	Units
1061 Acres	1061, 1065, 1071, 1072, 1171, 1172, 1221, 1252, 1275, 3002, 3012, 3014, 3015, 3033, 3051, 3052, 3053, 3054, 3055, 3132, 3141, 3142, 3143, 3201, 3291, 3313, 4031, 4041, 4081, 4082, 5005, 5012, 5013
Alternative 4	Units
1844 Acres	1061, 1065, 1071, 1072, 1145, 1147, 1171, 1172, 1221, 1252, 1275, 3002, 3012, 3014, 3015, 3033, 3051, 3052, 3053, 3054, 3055, 3132, 3141, 3142, 3143, 3201, 3291, 3313, 4031, 4041, 4081, 4082, 5005, 5012, 5013, 6271, 6272, 6281, 6301, 6331, 6332, 6333, 6334, 6344, 6345, 6361, 6363, 6373, 7002, 7003, 7005, 7006, 7161, 7163, 7282, 7291, 7292, 7293, 8061, 8062, 8063, 9011, 9012, 9021, 9022, 9023, 9031, 9041, 9051, 9052, 9061, 9062



### Silviculture Treatments in Previously Harvested Areas

Surveys for precommercial thinning needs are scheduled in the Project Area for areas which have previously been harvested. The table below displays planned surveys, by VCU, and calendar year, for previously harvested areas within the Project Area.

Table A-3 Precommercial Thinning Surveys for Previously Harvested Units within the Project Area		
VCU	Total Acres	Calendar Year Survey Scheduled
287	285	1995
289	227	2012
290	48	1995
290	28	2012
291	439	1995
292	996	1995
299	73	1995
300	77	1995
301	191	1995
302	90	1995

A large portion of the acres displayed above are anticipated to be thinned for wildlife benefits as well as timber production values. Many of these areas are located in areas of high wildlife value and use; mixed grid spacings, thickets, and gaps will be created during thinning operations in these areas, to enhance forage production, hiding cover, and thermal cover requirements for wildlife.

Additional acres located adjacent to many of these previously harvested areas listed above may be considered for riparian thinning projects. Many of these previously harvested areas occur along streams, and harvesting often removed a portion of or all of the large trees located in riparian areas adjacent to the stream. Riparian thinning may be used in some cases to increase species diversity, maintain/enhance wildlife travel corridors, and enhance tree growth to accelerate production of large trees to provide future large woody debris input into the stream system.

### Fisheries, Watershed, and Road Management Improvement Opportunities

The following watersheds have had substantial harvest in riparian areas and are the highest priority for enhancement and improvement projects:

- 287 Fish Bay (lower part)
- 291 Duffield Creek
- 292 Rodman Creek and Adams Creek

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299 Nakwasina River  
300 Noxon Creek  
301 Lisa Creek  
302 St. John Baptist Bay Creek  
312 Katlian River and Katlian Bay South Creek

Inventory work has been done for parts of some of these systems (Rodman Creek, Adams Creek, Fish Creek and Noxon Creek), however there has been no comprehensive inventory and assessment done. Additional watershed improvement needs inventory will be needed to identify site specific opportunities, establish priorities, and develop funding requirements.

In general fisheries and watershed rehabilitation work includes:

- Installing large woody debris structures,
- Riparian thinning in second-growth stands along Class I and II streams ,
- Borrow pond excavation for coho rearing habitat , and
- Road Maintenance, including: drainage structure maintenance or removal on old roads near Class I and II streams, reconstruction of existing roads away from stream channels, \_\_\_armoring on fill/cut slopes where runoff enters streams, replacement of culverts that are too small, and replacement of culverts which block fish access to Class I and II stream habitat.

One specific fisheries enhancement opportunity has been identified for all alternatives. The opportunity exists in Adams Creek to tie existing borrow ponds (created from past road building) to the stream channel to create rearing habitat for coho salmon fry.

## Recreation

Roads could be converted to trails after logging is completed. Maintenance Level I roads (see Appendix D - Road Management Objectives, for information on road maintenance proposed in each alternative) could be brushed and used as trails.

## Mitigation Measures

The application of mitigation measures begins during the planning phases of a project. We have applied standards, guidelines, and direction contained in the current TLMP, the Alaska Regional Guide, and applicable Forest Service manuals and handbooks in the development of alternatives and the design of harvest units and roads.

The Forest Service will identify mitigation measures adopted to reduce or eliminate adverse effects at the time the Record of Decision (ROD) is signed. We used issues identified during scoping to define the resource areas where mitigation was needed. A brief summary of mitigation measures common to all alternatives follows. Specific mitigation measures, as applied to each individual unit, are shown in the unit design cards. These unit cards are an important tool for implementing the project as they list design considerations and provide a mechanism for tracking the project implementation. Unit Cards are included in Appendix U.

### Water Quality and Production

Measures which protect water quality and fish habitat include application of the Best Management Practices (BMPs) stated in the Soil and Water Conservation Handbook (USDA FSH 2509.22). This handbook provides standard operating procedures for all stream classes. In addition, the TTRA mandates a minimum 100-foot buffer on all Class I streams and on Class II streams that flow directly into Class I streams. The 100-foot stream buffer width mandated by TTRA is a minimum. The width of this buffer strip may be greater than 100 feet for reasons such as topography, riparian soils, a windfirm boundary, timber stand boundaries, logging systems requirements, and varying stream channel locations. Refer to Appendix U (Unit Design Cards) for the unit-specific stream buffering which is being applied.

Application of BMPs and adherence to the law will protect water quality and fish habitat as well as riparian habitat important to other species such as brown bear and furbearers.

### Wildlife

We reduce effects on wildlife by intentionally harvesting units away from important wildlife habitats (to the extent practicable). We avoid beach and estuary fringe habitats as much as possible, and leave travel corridors (where practicable) to allow undisturbed movement of wildlife.

In addition, we plan to mitigate impacts to wildlife by closing roads, retaining snags where safe to do so, and scheduling harvest activities to reduce disturbance to bald eagle nesting and rearing activities.

We will mitigate impacts to the brown bear from bear-people interactions by informing logging camp residents about brown bear behavior and bear management policies. Incinerators will be used in logging camps for garbage disposal to prevent bear-garbage problems.

## Appendix A

### Subsistence

Because most subsistence use involves harvesting fish and game, mitigation measures that protect or enhance fish and game resources will also protect and enhance subsistence activities. By placing units and roads away from beach and estuary fringe habitats and away from salmon-bearing streams, mitigation measures were built into each of the alternatives considered in this EIS. Also, road management can affect access and thus be used to maintain traditional access methods and uses.

### Recreation and Scenic Quality

We will reduce effects of timber harvest on views from the ferry route, anchorages, and known recreational day-use areas by leaving buffers of timber along beaches and inland lakes. Roads and rock borrow pits will be located to minimize visibility, where practicable, in scenic viewsheds. Because many recreation activities which take place in the project area are related to the consumptive use of fish and wildlife. Mitigation measures that protect fish and game resources will also protect private and commercial recreation. Scheduling of timber offerings will be done so that all areas are not impacted or all LTFs active at the same time. In areas where RMDs allow off road vehicle use, LTFs will be designed to facilitate post harvest loading and unloading of ORVs from skiffs.

# Monitoring

## Implementation Monitoring

### Timber Unit Layout

Objective:	To minimize the effects of timber harvest on other natural resources.
Desired result:	Unit card design specifications allow timber harvest to "lay lightly" on the land.
Measurement:	Sale layout employees will follow guidance on the cards. Other resource specialists will assist in unit layouts as indicated on the unit cards. At least 20 percent of the units implemented each year will be sampled for compliance with unit card design (BMPs 13.3, 13.8).
Threshold:	Unit sample should be within 10 percent of the parameters stated on the unit card.
Corrective action:	If needed, determine why unit was not laid out as designed. Document changes if they benefit the environment; change unit layout to match the design if effects are within BMPs.
Responsible staff:	Sitka Ranger District (SRD) sale layout employees.
Record of results:	As-laid-out unit cards.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### Timber Unit Yarding

Objective:	To ensure yarding minimizes the potential risk of soil loss in units with high-hazard soils.
Desired result:	Use of log suspension and yarding away from V-notches to protect high-hazard soils from erosion.
Measurement:	Sale administrator will ensure log suspension occurs in designated units. Specialists may spot check up to 20 percent of the units with high hazard soils for compliance with BMPs (BMPs 13.2, 13.4, 13.5, 13.9, 13.12, and 13.15).
Threshold:	Exposure of more than 10 percent of the affected area to bare mineral soil.
Corrective action:	Stop implementation and resolve among sale administrator, soil scientist, and timber sale operator. If not resolvable at the field level, bring to District Ranger.
Responsible staff:	Soil Scientist and SRD sale administration employees.
Record of results:	Daily diaries of engineering representatives and sale administrators, and memos of soil scientist documenting field verification activities.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### Road Location and Design

Objective:	To ensure that roads are located as specified in the EIS.
Desired result:	Road survey and design standards capture the stated intent of the EIS, which is to minimize impacts to soil and water resources (BMPs 14.2, 14.5, 14.6, 14.10, 14.12, and 14.4). Post sale road management is implemented as specified in the EIS.
Measurement:	Engineering representatives and road designers will review roads during contract preparation, field design staking, and at the close of the timber sale. Final plan-in-hand review will ensure compliance with RMOs.
Threshold:	Less than 10 percent variation between plans and field location. No variation from specified road management.
Corrective action:	Correct designs as needed in the pre-implementation stages. During plan-in-hand review, implement changes specified in design if not in compliance. Implement specified road management.
Responsible staff:	Engineering staff, and District Ranger for final approval.
Record of results:	Road survey and designs, and memos noting plan-in-hand review.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

## Appendix A

### Slope Stabilization

Objective:	To determine if road designs and construction have met the intent of the EIS to reduce risk, of mass failure.
Desired result:	Design roads that minimize the potential for road-related mass failures during and after timber harvest (BMPs 14.7, 14.8, 14.12, and 14.20).
Measurement:	Engineering representatives and road designers will review roads during contract operations, assisted by the soil scientist or geotechnical engineer as needed. Final plan-in-hand review will ensure compliance with road design standards. The survey of timber unit areas and roads five years following close of operations will be scheduled by soil scientist or geotechnical engineer.
Threshold:	Less than 10 percent variation between plans and implementation.
Corrective action:	Correct designs as needed in the pre-implementation stages. During plan-in-hand review, contractor implements changes specified in the design if not in compliance.
Responsible staff:	District Ranger for final approval.
Record of results:	Road survey and designs, and memos noting plan-in-hand review or findings of soil scientist.
Annual cost:	\$4,000.
Personnel needs:	0.2 FTE, a geotechnical engineer as needed.

### Erosion Control Measures

Objective:	To minimize erosion and sedimentation in timber harvest and road construction and maintenance activities.
Desired result:	Road survey and design standards capture the stated intent of the EIS, which is to minimize the risk of soil erosion and sedimentation to streams (BMPs 13.13, 13.16, 13.17, 14.5, 14.11, 14.16, 14.17, 14.18, 14.20, 14.22, and 14.26).
Measurement:	Engineering representatives and road designers will review roads during and following contract operations, assisted by soil scientist as needed. Periodic survey following close of operations will be scheduled by the soil scientist.
Threshold:	Erosion control methods in place 90 percent of the time.
Corrective action:	Correct designs as needed in the pre-implementation stages. During sale operations, contractor will implement changes specified by design guidelines if not in compliance.
Responsible staff:	Engineering staff and soils staff (post-harvest).
Record of results:	Daily diaries of engineering representative; following sale operations, results recorded by soil scientist in follow-up reviews.
Annual cost:	\$3,000.
Personnel needs:	0.1 FTE.

### LTFs Spill Control Measures

Objective:	To ensure that petroleum spills do not affect marine waters.
Desired result:	LTF design and implementation will prevent fuel spillage from entering nearby waters.
Measurement:	Routine observation by LTF operator for oil sheen as required by EPA 402 permit (BMPs 12.8, 12.16, and 14.4).
Threshold:	Evidence of oil sheen on surface of water.
Corrective action:	Suspend operations and remedy the situation.
Responsible staff:	Sale administrator and field engineer.
Record of results:	Daily diaries of field inspectors.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### LTF Removal

Objective:	To minimize permanent effects of LTFs on the marine environment.
Desired result:	Apply mitigation measures by removing temporary LTF structures at completion of contract operations. (Other measures may be stipulated in LTF permits following Record of Decision.)
Measurement:	Enforcement of contract specifications at completion of operations.
Threshold:	Removal of LTF is incomplete.
Corrective action:	Withhold release of performance bond until mitigations are in compliance with contract specifications.
Responsible staff:	Sale administrator and engineering representative.
Record of results:	Letter authorizing movement of sale operations.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### Stream Buffers for the Tongass Timber Reform Act

Objective:	To ensure compliance with the TTRA.
Desired result:	Ensure that minimum 100-foot buffers are maintained to protect water quality and stream habitat for all Class I and Class II streams that flow directly into Class I streams near timber harvest units (BMPs 12.6, 12.7, and 13.15).
Measurement:	Spot-check 20 percent of all units near anadromous fish streams for compliance with TTRA. Field verification prior to timber harvest.
Threshold:	Minimum 100-foot buffer.
Corrective action:	Postpone implementation until minimum buffer widths are verified.
Responsible staff:	Fisheries Specialist and SRD timber layout and sale administration employees.
Record of results:	Sale layout cards for units and daily diaries of sale administrators.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### Stream Buffers for Streams Not Covered by the TTRA

Objective:	To ensure protection of water quality streams.
Desired result:	For all Class II and Class III streams, manage according to the AHMU handbook (FSH 2609.22) (BMPs 12.6, 12.7, and 13.15).
Measurement:	Specialists will spot-check up to 20 percent of the units offered for sale each year. Where units cross these types of channels, log suspension is required in the timber sale classes and yarding occurs away from the V-notches to minimize soil disturbance.
Threshold:	Boundaries along Class II and Class III streams will stop where planned in 90 percent or more of the units checked.
Corrective action:	Stop implementation and resolve among sale administrator, timber sale operator, and timber layout employees. If not resolvable at the field level, bring to District Ranger
Responsible staff:	Hydrology specialist and SRD timber layout and sale administration employees.
Record of results:	As-laid-out cards for units prepared by layout employees, or daily diaries of engineering representatives and sale administrators.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

## Appendix A

### Eagle Nesting Habitat

Objective:	To ensure Forest Service maintains minimum 330-foot buffers around eagle nest locations or minimizes impacts on nest locations with approved variances.
Desired result:	Protect eagle nest locations.
Measurement:	During sale implementation activities, observe eagle activities in nests close to logging camps and major road crossings, especially where variances to 330-foot minimum buffers were negotiated.
Threshold:	Management activities encroach on 330-foot minimum buffers or on trees with approved variances, causing eagle nesting to cease.
Corrective action:	If it appears eagle nesting is disrupted because of management activities, consult with the U. S. Fish and Wildlife Service (USFWS) to resolve potential problem.
Responsible staff:	Sale administrator and wildlife specialist.
Record of results:	Daily diaries of sales administrators, and memos of wildlife specialists recording findings at nest sites.
Annual cost:	Ongoing activity for sale administration. Site visits by wildlife specialists would cost an estimated \$4,000 per year during active logging operations.
Personnel needs:	None.

### Beach Fringe, Estuary Fringe, and Riparian Habitat

Objective:	Avoid extending harvest units into beach or estuary fringe habitat. Ensure that travel corridors are protected.
Desired result:	Avoid loss of wildlife habitat or other effects beyond the parameters of the preferred alternative.
Measurement:	Unit cards identify unit locations, noting if they are adjacent to protected travel corridors, estuaries, or beach fringes. If so noted, the units must not be enlarged in a manner that adversely affects these wildlife features. Twenty percent of units laid out each year will be spot-checked for conformance with unit card design guides.
Threshold:	More than 10 percent of the spot-checked units deviate from wildlife concerns stated on cards.
Corrective action:	If landing or boundary locations are not feasible, the layout employee will contract a wildlife specialist and resolve desired changes at the time of layout. If still unresolved, bring to the District Ranger.
Responsible staff:	SRD timber layout and sale administration employees.
Record of results:	As-laid-out unit cards, as part of the pre-sale files.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.

### Cultural Resources

Objective:	To ensure cultural resources are protected.
Desired result:	Resolve conflicts between goal of protective cultural resources and need for timber harvest, road construction, and log transfer facility construction to conform to the National Historic Preservation Act as amended. Confirm that cultural resources are protected before operations begin.
Measurement:	Evaluate impacts on cultural resources discovered after the start of timber harvest, road building, or LTF construction.
Threshold:	Evidence of cultural materials discovered during operations.
Corrective action:	Cultural resources specialist will ensure known sites are protected prior to implementing any land-disturbing activities. In the event of future discoveries, suspend activities until mitigation and protection measures are designated jointly by cultural resources staff, State Historic Preservation Officer, the Advisory Council on Historic Preservation, and District Ranger.
Responsible staff:	Sale layout employees, engineering and road design employees, and field inspectors of timber sale operations. Cultural resource specialist is available for field inspection as needed.
Record of results:	New discoveries will be recorded in daily diaries of field inspectors. Cultural resource specialist will develop and maintain appropriate records for new discoveries brought to his or her attention.
Annual cost:	Ongoing work; no additional funding needed.
Personnel needs:	None.



## Effectiveness Monitoring

### Timber Restocking

Objective:	To ensure restocking occurs within minimum time frames stated in the NFMA.
Desired result:	Adequately restocked timber stands.
Measurement:	Stocking surveys at the first, third, or fourth year.
Evaluation:	Determination that stocking is adequate. Corrective action (i.e., planting) if natural regeneration is inadequate.
Responsible staff:	SRD staff.
Record of results:	Annual restocking report (NFMA).
Annual cost:	Ongoing business; no additional funding needed.
FTE needs:	None.

### Site Utilization

Objective:	To ensure timber growth on high productive sites is managed future fiber production.
Desired result:	On high site index sites, thin stands aged 15 to 20 years.
Measurement:	Conduct surveys of stands aged 10 to 12 years to identify and plan future thinning activities.
Evaluation:	Assess and document survey findings. Prioritize and program the best stands for thinning when they are 15 to 20 years old.
Responsible staff:	SRD employees.
Record of results:	Annual report of overall thinning and precommercial thinning (Supervisor's Office).
Annual cost:	Ongoing business; no additional funding needed.
FTE needs:	None.

### Post-Sale Road Use

Objective:	To determine if RMOs for post-sale use are reflected by actual use.
Desired result:	Use of road systems after harvesting conforms to guidelines. Effects of road use on resources do not exceed stands.
Measurement:	Random visits to beach heads from May to November.
Evaluation:	Determine if use is occurring, if RMOs are being met, and if vehicles are honoring road closures.
Responsible staff:	SRD timber staff, with assistance from recreation specialist as needed.
Record of results:	Memo documenting findings of random visits (completed after each visit).
Annual cost:	\$2,500.
FTE needs:	0.1 FTE.



# **Appendix B**

## **Public Involvement Activities**



## Appendix B

### Public Involvement

Table B-1  
Public Involvement and Scoping

March 11, 1993	Meeting with ADF&G Subsistence Division, Douglas
June 18, 1993	Meeting with DGC, ADF&G, TLMP, Department of Labor, and USFS regarding subsistence issues
July 12, 1993	Notice of Intent (NOI) published in the Federal Register announcing decision to initiate an EIS for the project.
July 16, 1993	Scoping document providing information and seeking public comment mailed to approximately 400 individuals and groups that had previously shown interest in Forest Service projects in Southeast Alaska. Mailing list includes federal and State agencies and divisions, Native and municipal offices, businesses, organizations, groups, and individuals.
July 20, 1993	Meeting with Mark Jacobs, Jr. (representing the Southeast Native Subsistence Commission)
July 27, 1993	Meeting with SENSC and ADF&G Subsistence Division; and meeting with ADF&G Wildlife Division
August 10, 1993	Meeting with Angoon Community Association
September 28, 29, and 30, 1993	Meetings with Fish and Game Advisory Committee
October 5, 1993	Letters to Lavina Jack (Angoon ANS), Marlene Zuboff (Angoon Community Association), and Matthew Fred (Angoon ANB), from Gordon Anderson. Follow-up from meetings in Angoon.
October 20, 1993	Phone call to Daniel Johnson (ANB Grand Camp President) from Cindy Hartmann regarding scheduling of presentation to ANB Grand Camp Convention.
November 8 - 12, 1993	ANB/ANS Grand Camp Convention in Angoon, including presentations by Forest Service.
December 15, 1993	Meeting with Carol Hale, USFWS
December 15 - 16, 1993	Southeast Native Subsistence Commission Meeting in Juneau, including presentation on Northwest Baranof Project
December 22, 1993	Letter from Ron Williams (ANB Grand Camp President) to Michael Barton (Regional Forester, USFS) thanking USFS for participation at ANB/ANS Convention November 8th.
December 14, 1993	Second document mailed summarizing significant issues derived from initial public comment. Document also outlined tentative alternatives to be analyzed in the Draft EIS.
January 5, 1994	Meeting with Lorraine Marshall, Alaska Division of Governmental Coordination regarding coordination of comments from State.
January 10, 1994	Meeting with ADF&G Wildlife Division
March 21, 1994	Meeting with Fish and Game Advisory Committee, ADF&G Subsistence Division, and USFS regarding subsistence rankings for areas within the Northwest Baranof Project Area
March 25, 1994	Meeting with ADF&G Habitat, Wildlife Conservation, and Subsistence Division personnel; Mike Perensovich (USFS retired) and Loyal Johnson (ADF&G retired)

August 26, 1994 Two-page scoping ad published in the *Sitka Daily Sentinel*. Ad included details regarding the revised proposed action and purpose and need, and announced public open house dates, times, and locations.

Copies of the ad were mailed to the same individuals and groups that received the initial mailing in July 1993.

August 31, 1994 Revised NOI published in the Federal Register describing changes to the proposed action and purpose and need.

September 21, 1994 Public Open House in Sitka. Two-page scoping ad published in the *Daily Sentinel*.

September 29, 1994 Public Open House in Angoon; presentation at Angoon High School

October 6, 1994 Public Open House in Sitka.

October 11, 1994 Meeting with Sitka Rotary

October 12, 1994 Meeting with US Fish and Wildlife Service, Alaska Department of Fish and Game, and USFS to discuss project status and coordination.

November 1, 1994 Meeting with Alaska Fish and Game Advisory Committee

May 24, 1995 Meeting with Sitka Assembly, Friends of Southeast's Future, and USFS

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Table B-2  
Consultation with Sitka Tribe of Alaska

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April 13, 1993	Rachel Myron met with STA Cultural Committee to discuss archeological perspective of Northwest Baranof Project Area.
May 3, 1993	Letter to STA requesting meeting with Tribal Council
May 19, 1993	Meeting with STA Tribal Council
May 20, 1993	Letter to Lawrence Widmark from Gordon Anderson. Follow-up to meeting with Tribal Council.
June 23, 1993	Meeting with STA Tribal Council
October 1, 1993	Letter to Terry Pegues from Gordon Anderson following up on meetings of May 17 and June 23, 1993
May 17, 1994	Meeting with STA Subsistence Committee, attorney, and Council members
September 6, 1994	Letter to STA regarding reinitiation of Northwest Baranof Scoping
September 20, 1994	Ray Nielson and Cindy Hartmann discuss Northwest Baranof scoping and set up meeting with STA Subsistence Committee
September 22, 1994	Phone call to Terry Pegues (STA) to set up meeting between Northwest Baranof ID Team and STA Cultural Committee
September 27, 1994	Meeting with STA Subsistence Committee
November 25, 1994	Letter from Jude Pate (STA) to Cindy Hartmann. Follow-up from visit with Tribe
January 10, 1995	Meeting with STA Tribal Council and interested others
January 12, 1995	Phone call from Terry Pegues to Rachel Myron regarding Heritage Resources report for Northwest Baranof
January 12, 1995	Letter to STA from Jim Franzel. Follow up from meeting January 10.
January 24, 1995	Phone call from Terry Pegues to Rachel Myron regarding cost estimate for reconnaissance trips (USFS and STA)
January 27, 1995	Letter to Ted Wright from Jim Franzel regarding cost estimates for reconnaissance trips
March 1, 1995	Letter to ANB/ANS Presidents from Jim Franzel regarding USFS organizational changes and future coordination
March 1, 1995	Letter to Ted Wright from Jim Franzel regarding USFS organizational changes and future coordination
March 23, 1995	Phone call to Terry Pegues from Rachel Myron requesting meeting with regarding Northwest Baranof EIS (Heritage Resources information for Chapters 3 and 4)
April 12, 1995	Letter to Ted Wright from Rachel Myron. Follow up from meeting April 7 with Terry Pegues and Jude Pate
April 30, 1995	Draft Tribal Environmental Impact Statement for Northwest Baranof from STA to USFS, discussing subsistence and cultural values and Native allotments in the Project Area.
May 18, 1995	Phone call from Rachel Myron to Terry Pegues requesting formal consultation regarding Northwest Baranof heritage resource effects analysis.
June 16, 1995	Consultation meeting with STA.
June 22, 1995	Phone call from Terry Pegues to Rachel Myron regarding consultation meeting on Northwest Baranof.

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# **Appendix C**

## **Harvest Unit Detail Tables**



## Alternative 1 Units

### Sale Area: Rod 'n Apple

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3301	39	984	Seed tree cut	C	85
3304	32	741	Seed tree cut	C	85
3312	34	863	Clearcut w/reserves	C	95
3313	30	806	Clearcut w/reserves	C	95
3315	39	935	Clearcut w/reserves	C	95
1221	32	795	Seed tree cut	H	85
1231	26	530	Overstory removal	H	70
1251	33	930	Clearcut w/reserves	H	95
1252	43	1090	Seed tree cut	H	85
1271	21	479	Overstory removal	H	80
1275	41	234	Group selection	H	20

### Sale Area: Duffield/Rodman

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3041	25	560	Seed tree cut	H	85
3043	10	214	Seed tree cut	H	85
3051	17	365	Seed tree cut	C	85
3052	6	144	Clearcut w/reserves	H	95
3053	15	360	Clearcut w/reserves	C	95
3054	47	1127	Clearcut w/reserves	C	95
3055	22	527	Clearcut w/reserves	C	95
3063	7	168	Clearcut w/reserves	C	95
3111	12	257	Seed tree cut	H	85
3112	6	129	Seed tree cut	H	85
3132	20	117	Group selection	H	20

### Sale Area: Schulze Cove

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
4031	32	686	Seed tree cut	H	85
4041	48	1045	Seed tree cut	H	85
4061	25	536	Seed tree cut	H	85
4081	13	295	Clearcut w/reserves	C	90
4082	69	1728	Clearcut w/reserves	C	95
4083	28	758	Clearcut w/reserves	C	95
4084	20	519	Clearcut w/reserves	H	95
4091	8	192	Clearcut w/reserves	C	95
4092	17	408	Clearcut w/reserves	C/H	95
4093	5	120	Clearcut w/reserves	C	95
4094	5	107	Seed tree cut	C	85
4095	3	68	Overstory removal	C	90
5001	7	168	Clearcut w/reserves	C	95
5002	7	168	Clearcut w/reserves	C	95
5003	14	359	Overstory removal	C	90
5004	34	203	Group selection	C	20
5005	7	185	Clearcut w/reserves	C	95
5011	12	331	Clearcut w/reserves	C	95
5012	15	345	Clearcut w/reserves	C	90

**Sale Area: St. John Baptist Bay**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
6271	30	594	Overstory removal	C/H	70
6272	14	73	Group selection	C/H	20
6281	31	748	Clearcut w/reserves	C	95
6282	23	474	Overstory removal	H	70
6283	8	218	Clearcut w/reserves	C	95
6291	7	102	Overstory removal	H	50
6293	28	698	Overstory removal	C	90
6301	22	525	Overstory removal	H	80
6303	4	96	Clearcut w/reserves	C	95
6304	9	182	Overstory removal	H	80
6305	17	300	Overstory removal	C	70
6306	8	141	Overstory removal	C	70
6331	36	727	Overstory removal	C	80
6332	7	168	Clearcut w/reserves	C	95
6333	11	250	Clearcut w/reserves	C	90
6334	11	264	Clearcut w/reserves	C	95
6391	3	72	Clearcut w/reserves	C	95
7001	13	312	Clearcut w/reserves	C	95
7002	18	432	Clearcut w/reserves	C	95
7003	7	168	Clearcut w/reserves	C	95
7004	19	455	Clearcut w/reserves	C	95
7005	19	455	Clearcut w/reserves	H	95
7006	5	120	Clearcut w/reserves	C	95

**Sale Area: Noxon Creek**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
7161	22	389	Overstory removal	H	70
7162	16	343	Clearcut w/reserves	C	85
7163	13	283	Clearcut w/reserves	H	85
7164	4	96	Clearcut w/reserves	C	95
7221	15	227	Overstory removal	H	60
7222	4	86	Overstory removal	H	85
7223	14	283	Overstory removal	H	80
7262	12	268	Clearcut w/reserves	H	80
7264	9	255	Clearcut w/reserves	H	95
7272	23	116	Group selection	H	20
7273	14	71	Group selection	H	20
7281	38	202	Group selection	H	20
7282	12	61	Group selection	H	20
7283	27	160	Group selection	H	20
7284	7	36	Group selection	H	20

**Sale Area: Nakwasina Sound**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
8011	6	170	Clearcut w/reserves	H	95
8021	6	170	Clearcut w/reserves	H	95
8022	11	250	Clearcut w/reserves	H	90
8032	4	86	Seed tree cut	H	85
8061	11	295	Clearcut w/reserves	H	90
8062	11	236	Clearcut w/reserves	H	85
8063	14	290	Clearcut w/reserves	H	80
8064	16	343	Seed tree cut	H	85
8065	12	273	Clearcut w/reserves	H	90

**Sale Area: Lisa Creek**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
9011	30	643	Clearcut w/reserves	C	85
9012	17	408	Clearcut w/reserves	C	95
9021	29	683	Clearcut w/reserves	C/H	90
9022	12	281	Clearcut w/reserves	H	90
9023	17	456	Clearcut w/reserves	H	90
9031	21	435	Overstory removal	H	70
9052	8	203	Clearcut w/reserves	H	85
9061	8	172	Clearcut w/reserves	H	85

## Alternative 2 Units

### Sale Area: Rod 'n Apple

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3301	39	984	Seed tree cut	C	85
3302	20	507	Seed tree cut	C	85
3303	30	679	Seed tree cut	C	85
3305	46	1168	Clearcut w/reserves	C	95
3311	26	710	Clearcut w/reserves	C	95
3312	34	863	Clearcut w/reserves	C	95
3314	33	809	Seed tree cut	C	85

### Sale Area: Duffield/Rodman

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
1061	60	347	Group selection	H	20
1065	8	203	Seed tree cut	H	85
1071	24	593	Seed tree cut	H	85
1072	14	286	Overstory removal	H	80
1131	18	417	Seed tree cut	H	85
1144	11	229	Overstory removal	H	80
1145	83	2080	Seed tree cut	H	85
1146	15	399	Clearcut w/reserves	C	95
1147	17	99	Group selection	H	20
1171	30	729	Seed tree cut	H	85
1172	48	1185	Seed tree cut	H	85
1173	17	372	Seed tree cut	H	85
1211	6	144	Seed tree cut	H	85
1221	32	795	Seed tree cut	H	85
1231	26	530	Overstory removal	H	70
1251	33	930	Clearcut w/reserves	H	95
1252	43	1090	Seed tree cut	H	85
1271	21	479	Overstory removal	H	80
1275	41	234	Group selection	H	20
2042	19	455	Clearcut w/reserves	H	95
2043	68	1630	Clearcut w/reserves	H	95
3002	24	654	Clearcut w/reserves	H	95
3011	48	260	Group selection	H	20
3012	138	2729	Seed tree cut	H	70
3014	36	867	Clearcut w/reserves	H	95
3015	94	545	Group selection	H	20
3033	9	193	Seed tree cut	H	85
3041	25	560	Seed tree cut	H	85
3043	10	214	Seed tree cut	H	85
3051	17	365	Seed tree cut	C	85
3052	6	144	Clearcut w/reserves	H	95
3053	15	360	Clearcut w/reserves	C	95
3054	47	1127	Clearcut w/reserves	C	95
3055	22	527	Clearcut w/reserves	C	95
3061	14	71	Group selection	H	2
3062	8	172	Seed tree cut	C	85
3063	7	168	Clearcut w/reserves	C	95
3111	12	257	Seed tree cut	H	85
3112	6	129	Seed tree cut	H	85
3132	20	117	Group selection	H	20
3141	32	803	Seed tree cut	H	85
3142	54	1121	Overstory removal	H	70
3143	28	556	Overstory removal	H	70
3151	46	1061	Seed tree cut	H	85
3201	17	370	Overstory removal	H	80

**Sale Area: Duffield/Rodman, cont.**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3223	8	211	Overstory removal	H	90
3224	10	240	Clearcut w/reserves	H	95
3281	25	442	Overstory removal	H	70
3291	10	253	Seed tree cut	H	85

**Sale Area: St. John Baptist Bay**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
6271	30	594	Overstory removal	C/H	70
6272	14	73	Group selection	C/H	20
6281	31	748	Clearcut w/reserves	C	95
6282	23	474	Overstory removal	H	70
6283	8	218	Clearcut w/reserves	C	95
6291	7	102	Overstory removal	H	50
6293	28	698	Overstory removal	C	90
6294	28	664	Overstory removal	H	80
6301	22	525	Overstory removal	H	80
6303	4	96	Clearcut w/reserves	C	95
6304	9	182	Overstory removal	H	80
6305	17	300	Overstory removal	C	70
6306	8	141	Overstory removal	C	70
6321	6	136	Clearcut w/reserves	C	90
6322	16	363	Clearcut w/reserves	C	90
6331	36	727	Overstory removal	C	80
6332	7	168	Clearcut w/reserves	C	95
6333	11	250	Clearcut w/reserves	C	90
6334	11	264	Clearcut w/reserves	C	95
6341	36	537	Overstory removal	H	50
6342	13	202	Overstory removal	H/C	60
6343	11	271	Seed tree cut	C	85
6344	10	214	Seed tree cut	C/SH	85
6345	5	114	Seed tree cut	C	90
6361	20	493	Clearcut w/reserves	C	95
6363	22	333	Overstory removal	C	60
6364	9	204	Clearcut w/reserves	C	90
6371	13	368	Clearcut w/reserves	C	95
6372	11	194	Overstory removal	C	70
6373	9	216	Clearcut w/reserves	C	95
6391	3	72	Clearcut w/reserves	C	95
7001	13	312	Clearcut w/reserves	C	95
7002	18	432	Clearcut w/reserves	C	95
7003	7	168	Clearcut w/reserves	C	95
7004	19	455	Clearcut w/reserves	C	95
7005	19	455	Clearcut w/reserves	H	95
7006	5	120	Clearcut w/reserves	C	95
7291	14	141	Overstory removal	H	40
7292	12	257	Clearcut w/reserves	H	85
7293	34	815	Clearcut w/reserves	H	95

**Sale Area: Lisa Creek**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
9011	30	643	Clearcut w/reserves	C	85
9012	17	408	Clearcut w/reserves	C	95
9021	29	683	Clearcut w/reserves	C/H	90
9022	12	281	Clearcut w/reserves	H	90
9023	17	456	Clearcut w/reserves	H	90
9031	21	435	Overstory removal	H	70
9041	35	836	Clearcut w/reserves	H	85
9051	41	923	Overstory removal	H	80
9052	8	203	Clearcut w/reserves	H	85
9061	8	172	Clearcut w/reserves	H	85
9062	14	336	Clearcut w/reserves	H	95



## Alternative 3 Units

### Sale Area: Rod 'n Apple

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3302	20	507	Seed tree cut	C	85
3304	32	741	Seed tree cut	C	85
3305	46	1168	Clearcut w/reserves	C	95
3311	26	710	Clearcut w/reserves	C	95
3312	34	863	Clearcut w/reserves	C	95
3313	30	806	Clearcut w/reserves	C	95
3314	33	809	Seed tree cut	C	85

### Sale Area: Duffield/Rodman

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
1061	60	347	Group selection	H	20
1065	8	203	Seed tree cut	H	85
1071	24	593	Seed tree cut	H	85
1072	14	286	Overstory removal	H	80
1131	18	417	Seed tree cut	H	85
1171	30	729	Seed tree cut	H	85
1172	48	1185	Seed tree cut	H	85
1173	17	372	Seed tree cut	H	85
1221	32	795	Seed tree cut	H	85
1231	26	530	Overstory removal	H	70
1251	33	930	Clearcut w/reserves	H	95
1252	43	1090	Seed tree cut	H	85
1271	21	479	Overstory removal	H	80
1275	41	234	Group selection	H	20
2042	19	455	Clearcut w/reserves	H	95
2043	68	1630	Clearcut w/reserves	H	95
3002	24	654	Clearcut w/reserves	H	95
3011	48	260	Group selection	H	20
3012	138	2729	Seed tree cut	H	70
3014	36	867	Clearcut w/reserves	H	95
3015	94	545	Group selection	H	20
3033	9	193	Seed tree cut	H	85
3041	25	560	Seed tree cut	H	85
3043	10	214	Seed tree cut	H	85
3051	17	365	Seed tree cut	C	85
3052	6	144	Clearcut w/reserves	H	95
3053	15	360	Clearcut w/reserves	C	95
3054	47	1127	Clearcut w/reserves	C	95
3055	22	527	Clearcut w/reserves	C	95
3061	14	71	Group selection	H	20
3062	8	172	Seed tree cut	C	85
3063	7	168	Clearcut w/reserves	C	95
3111	12	257	Seed tree cut	H	85
3112	6	129	Seed tree cut	H	85
3132	20	117	Group selection	H	20
3141	32	803	Seed tree cut	H	85
3142	54	1121	Overstory removal	H	70
3143	28	556	Overstory removal	H	70
3151	46	1061	Seed tree cut	H	85
3201	17	370	Overstory removal	H	80
3223	8	211	Overstory removal	H	90
3224	10	240	Clearcut w/reserves	H	95
3281	25	442	Overstory removal	H	70
3291	10	253	Seed tree cut	H	85

Sale Area: Schulze Cove

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
4031	32	686	Seed tree cut	H	85
4041	48	1045	Seed tree cut	H	85
4061	25	536	Seed tree cut	H	85
4081	13	295	Clearcut w/reserves	C	90
4082	69	1728	Clearcut w/reserves	C	95
4083	28	758	Clearcut w/reserves	C	95
4084	20	519	Clearcut w/reserves	H	95
4091	8	192	Clearcut w/reserves	C	95
4092	17	408	Clearcut w/reserves	C/H	95
4093	5	120	Clearcut w/reserves	C	95
4094	5	107	Seed tree cut	C	85
4095	3	68	Overstory removal	C	90
5001	7	168	Clearcut w/reserves	C	95
5002	7	168	Clearcut w/reserves	C	95
5003	14	359	Overstory removal	C	90
5004	34	203	Group selection	C	20
5005	7	185	Clearcut w/reserves	C	95
5011	12	331	Clearcut w/reserves	C	95
5012	15	345	Clearcut w/reserves	C	90
5013	9	193	Seed tree cut	C	85

## Alternative 4 Units

### Sale Area: Rod 'n Apple

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3301	39	984	Seed tree cut	C	85
3302	20	507	Seed tree cut	C	85
3303	30	679	Seed tree cut	C	85
3304	32	741	Seed tree cut	C	85
3305	46	1168	Clearcut w/reserves	C	95
3311	26	710	Clearcut w/reserves	C	95
3312	34	863	Clearcut w/reserves	C	95
3313	30	806	Clearcut w/reserves	C	95
3314	33	809	Seed tree cut	C	85

### Sale Area: Duffield/Rodman

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
1061	60	347	Group selection	H	20
1065	8	203	Seed tree cut	H	85
1071	24	593	Seed tree cut	H	85
1072	14	286	Overstory removal	H	80
1131	18	417	Seed tree cut	H	85
1144	11	229	Overstory removal	H	80
1145	83	2080	Seed tree cut	H	85
1146	15	399	Clearcut w/reserves	C	95
1147	17	99	Group selection	H	20
1171	30	729	Seed tree cut	H	85
1172	48	1185	Seed tree cut	H	85
1173	17	372	Seed tree cut	H	85
1211	6	144	Seed tree cut	H	85
1221	32	795	Seed tree cut	H	85
1231	26	530	Overstory removal	H	70
1251	33	930	Clearcut w/reserves	H	95
1252	43	1090	Seed tree cut	H	85
1271	21	479	Overstory removal	H	80
1275	41	234	Group selection	H	20
2042	19	455	Clearcut w/reserves	H	95
2043	68	1630	Clearcut w/reserves	H	95
3002	24	654	Clearcut w/reserves	H	95
3011	48	260	Group selection	H	20
3012	138	2729	Seed tree cut	H	70
3014	36	867	Clearcut w/reserves	H	95
3015	94	545	Group selection	H	20
3033	9	193	Seed tree cut	H	85
3041	25	560	Seed tree cut	H	85
3043	10	214	Seed tree cut	H	85
3051	17	365	Seed tree cut	C	85
3052	6	144	Clearcut w/reserves	H	95
3053	15	360	Clearcut w/reserves	C	95
3054	47	1127	Clearcut w/reserves	C	95
3055	22	527	Clearcut w/reserves	C	95
3061	14	71	Group selection	H	20
3062	8	172	Seed tree cut	C	85
3063	7	168	Clearcut w/reserves	C	95
3111	12	257	Seed tree cut	H	85
3112	6	129	Seed tree cut	H	85
3132	20	117	Group selection	H	20
3141	32	803	Seed tree cut	H	85
3142	54	1121	Overstory removal	H	70

**Sale Area: Duffield/Rodman, cont.**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
3143	28	556	Overstory removal	H	70
3151	46	1061	Seed tree cut	H	85
3201	17	370	Overstory removal	H	80
3223	8	211	Overstory removal	H	90
3224	10	240	Clearcut w/reserves	H	95
3281	25	442	Overstory removal	H	70
3291	10	253	Seed tree cut	H	85

**Sale Area: Schulze Cove**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
4031	32	686	Seed tree cut	H	85
4041	48	1045	Seed tree cut	H	85
4061	25	536	Seed tree cut	H	85
4081	13	295	Clearcut w/reserves	C	90
4082	69	1728	Clearcut w/reserves	C	95
4083	28	758	Clearcut w/reserves	C	95
4084	20	519	Clearcut w/reserves	H	95
4091	8	192	Clearcut w/reserves	C	95
4092	17	408	Clearcut w/reserves	C/H	95
4093	5	120	Clearcut w/reserves	C	95
4094	5	107	Seed tree cut	C	85
4095	3	68	Overstory removal	C	90
5001	7	168	Clearcut w/reserves	C	95
5002	7	168	Clearcut w/reserves	C	95
5003	14	359	Overstory removal	C	90
5004	34	203	Group selection	C	20
5005	7	185	Clearcut w/reserves	C	95
5011	12	331	Clearcut w/reserves	C	95
5012	15	345	Clearcut w/reserves	C	90
5013	9	193	Seed tree cut	C	85

**Sale Area: St. John Baptist Bay**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
6271	30	594	Overstory removal	C/H	70
6272	14	73	Group selection	C/H	20
6281	31	748	Clearcut w/reserves	C	95
6282	23	474	Overstory removal	H	70
6283	8	218	Clearcut w/reserves	C	95
6291	7	102	Overstory removal	H	50
6293	28	698	Overstory removal	C	90
6294	28	664	Overstory removal	H	80
6301	22	525	Overstory removal	H	80
6303	4	96	Clearcut w/reserves	C	95
6304	9	182	Overstory removal	H	80
6305	17	300	Overstory removal	C	70
6306	8	141	Overstory removal	C	70
6321	6	136	Clearcut w/reserves	C	90
6322	16	363	Clearcut w/reserves	C	90
6331	36	727	Overstory removal	C	80
6332	7	168	Clearcut w/reserves	C	95
6333	11	250	Clearcut w/reserves	C	90
6334	11	264	Clearcut w/reserves	C	95
6341	36	537	Overstory removal	H	50
6342	13	202	Overstory removal	H/C	60
6343	11	271	Seed tree cut	C	85
6344	10	214	Seed tree cut	C/SH	85

**Sale Area: St. John Baptist Bay, cont.**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
6345	5	114	Seed tree cut	C	90
6361	20	493	Clearcut w/reserves	C	95
6363	22	333	Overstory removal	C	60
6364	9	204	Clearcut w/reserves	C	90
6371	13	368	Clearcut w/reserves	C	95
6372	11	194	Overstory removal	C	70
6373	9	216	Clearcut w/reserves	C	95
6391	3	72	Clearcut w/reserves	C	95
7001	13	312	Clearcut w/reserves	C	95
7002	18	432	Clearcut w/reserves	C	95
7003	7	168	Clearcut w/reserves	C	95
7004	19	455	Clearcut w/reserves	C	95
7005	19	455	Clearcut w/reserves	H	95
7006	5	120	Clearcut w/reserves	C	95
7291	14	141	Overstory removal	H	40
7292	12	257	Clearcut w/reserves	H	85
7293	34	815	Clearcut w/reserves	H	95

**Sale Area: Noxon Creek**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
7161	22	389	Overstory removal	H	70
7162	16	343	Clearcut w/reserves	C	85
7163	13	283	Clearcut w/reserves	H	85
7164	4	96	Clearcut w/reserves	C	95
7221	15	227	Overstory removal	H	60
7222	4	86	Overstory removal	H	85
7223	14	283	Overstory removal	H	80
7262	12	268	Clearcut w/reserves	H	80
7264	9	255	Clearcut w/reserves	H	95
7272	23	116	Group selection	H	20
7273	14	71	Group selection	H	20
7281	38	202	Group selection	H	20
7282	12	61	Group selection	H	20
7283	27	160	Group selection	H	20
7284	7	36	Group selection	H	20

**Sale Area: Nakwasina Sound**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
8011	6	170	Clearcut w/reserves	H	95
8021	6	170	Clearcut w/reserves	H	95
8022	11	250	Clearcut w/reserves	H	90
8032	4	86	Seed tree cut	H	85
8061	11	295	Clearcut w/reserves	H	90
8062	11	236	Clearcut w/reserves	H	85
8063	14	290	Clearcut w/reserves	H	80
8064	16	343	Seed tree cut	H	85
8065	12	273	Clearcut w/reserves	H	90

**Sale Area: Lisa Creek**

Unit Number	Acres	Volume (board feet)	Silvicultural Treatment	Cable or Helicopter	Percent Harvest
9011	30	643	Clearcut w/reserves	C	85
9012	17	408	Clearcut w/reserves	C	95
9021	29	683	Clearcut w/reserves	C/H	90
9022	12	281	Clearcut w/reserves	H	90
9023	17	456	Clearcut w/reserves	H	90
9031	21	435	Overstory removal	H	70
9041	35	836	Clearcut w/reserves	H	85
9051	41	923	Overstory removal	H	80
9052	8	203	Clearcut w/reserves	H	85
9061	8	172	Clearcut w/reserves	H	85
9062	14	336	Clearcut w/reserves	H	95

# **Appendix D**

## **Road Management Objectives (RMOs)**





**MB ROAD MANAGEMENT OBJECTIVES**

TRAFFIC CODES: LCV = Low Clearance Vehicle  
 RV = Recreation Vehicle  
 HCV = High Clearance Vehicle  
 ATV = All Terrain or Off-Road Vehicle  
 Ped = Pedestrian

ALTERNATIVE 1

VCU NUMBER	ROAD NUMBER	ROAD MILES	ROAD STATUS	SERVICE LIFE	FUNCTION CLASS	POST-HARVEST MAINT. LEVEL	POST-HARVEST ACCESS NEEDS/TRAFFIC STRATEGIES			POST-HARVEST RESOURCE CONCERNS (SEE ROAD CARDS)		
							FUTURE COMML VOL	SILVIC/ ADMIN	PUBLIC/ RECREATION	HYDRO/ SOILS	W/L	SUB- SIS.
287	7525	1.2	P	INTERMITTENT	C	1			ELIMINATE			
288	7525	1.6	P	INTERMITTENT	C	1			ELIMINATE			-
	7525N	1.5	P	INTERMITTENT	L	1			ELIMINATE			-
291	7587	2.4	E	INTERMITTENT	C	2			ACCEPT			-
292	7586	1.6	E	INTERMITTENT	C	2			ACCEPT			-
	7587	2.8	E	INTERMITTENT	C	2			ACCEPT			-
	75873	2.0	P	INTERMITTENT	L	1			ELIMINATE			-
	75882	1.7	P	INTERMITTENT	C	2			ACCEPT			-
	758823	0.4	P	INTERMITTENT	L	1			ELIMINATE			-
299	7574	0.4	E	INTERMITTENT	C	1			ELIMINATE			-
300	7574	2.7	E/P	INTERMITTENT	C	1			ELIMINATE			-
	75831	0.9	P	INTERMITTENT	C	2			ACCEPT			-
	75831S	0.8	P	INTERMITTENT	L	1			DISCOURAGE			-
	758316	0.6	P	INTERMITTENT	L	1			DISCOURAGE			-
301	7558	1.0	E	INTERMITTENT	C	1			ELIMINATE			-
	75581	1.0	P	INTERMITTENT	C	1			ELIMINATE			-
302	7583	0.6	E	INTERMITTENT	C	2			ACCEPT			-
	75831	6.2	E/P	INTERMITTENT	C	2			ACCEPT			-
	758313	0.7	P	INTERMITTENT	L	1			ELIMINATE			-
	758315	0.8	P	INTERMITTENT	L	1			ELIMINATE			-
	75831S	0.1	P	INTRRMITTENT	L	1			DISCOURAGE			-

TRAFFIC CODES: LCV = Low Clearance Vehicle HCV = High Clearance Vehicle  
 RV = Recreation Vehicle ATV = All Terrain or Off-Road Vehicle  
 Ped = Pedestrian

VCU NUMBER	ROAD NUMBER	ROAD MILES	ROAD STATUS	SERVICE LIFE	FUNCTION CLASS	POST-HARVEST MAINT. LEVEL	POST-HARVEST ACCESS NEEDS/TRAFFIC STRATEGIES			POST-HARVEST RESOURCE CONCERNS (SEE ROAD CARDS)			
							FUTURE	SILVIC/ ADMIN	PUBLIC/ RECREATION	HYDRO/ SOILS	W/L	SUB- SIS.	FISH
291	7587	5.1	E	INTERMITTENT	C	1		ELIMINATE					
292	7586	1.1	E	INTERMITTENT	C	1		ELIMINATE					
	7587	2.8	E	INTERMITTENT	C	1		ELIMINATE					
	75873	2.0	P	INTERMITTENT	L	1		ELIMINATE					
	75882	1.6	P	INTERMITTENT	C	1		ELIMINATE					
	758823	0.4	P	INTERMITTENT	L	1		ELIMINATE					
293	75882	1.8	E/P	INTERMITTENT	C	1		ELIMINATE					
	7722W	1.1	E	INTERMITTENT	C	1		ELIMINATE					
	7728	0.3	E	INTERMITTENT	C	1		ELIMINATE					
300	75831	0.7	P	INTERMITTENT	C	1		ELIMINATE					
	75831S	1.9	P	INTERMITTENT	C	1		ELIMINATE					
	758316	0.6	P	INTERMITTENT	L	1		ELIMINATEE					
301	7558	2.3	E	INTERMITTENT	C	1		ELIMINATE					
302	7583	0.6	E	INTERMITTENT	C	2		ACCEPT					
	75831	5.5	E/P	INTERMITTENT	C	2		ACCEPT					
	758311	0.8	P	INTERMITTENT	L	1		ELIMINATE					
	758313	0.7	P	INTERMITTENT	L	1		ELIMINATE					
	758315	0.8	P	INTERMITTENT	L	1		ELIMINATE					
	75831S	1.7	P	INTERMITTENT	C	2		ACCEPT					

TRAFFIC CODES: LCV = Low Clearance Vehicle HCV = High Clearance Vehicle  
 RV = Recreation Vehicle ATV = All Terrain or Off-Road Vehicle  
 Ped = Pedestrian

VQU NUMBER	ROAD NUMBER	ROAD MILES	ROAD STATUS	SERVICE LIFE	FUNCT. CLASS	POST-HARVEST HARVEST MAINT. LEVEL	POST-HARVEST ACCESS NEEDS/TRAFFIC STRATEGIES				POST-HARVEST RESOURCE CONCERNS (SEE ROAD CARDS)					
							FUTURE	SILVIC/ ADMIN	PUBLIC/ RECREATION	HYDRO/ SOILS	W/L	SUB- SIS.	FISH			
287	7525	1.2	P	INTERMITTENT	C	2			DISCOURAGE							
288	7525	1.6	P	INTERMITTENT	C	2			DISCOURAGE							
	7525N	1.5	P	INTERMITTENT	L	1			ELIMINATE							
291	7587	5.1	E	INTERMITTENT	C	1			ELIMINATE							
292	7586	1.1	E	INTERMITTENT	C	1			ELIMINATE							
	7587	2.8	E	INTERMITTENT	C	1			ELIMINATE							
	75873	2.0	P	INTERMITTENT	L	1			ELIMINATE							
	75882	2.3	P	INTERMITTENT	C	2			DISCOURAGE							
	758823	0.4	P	INTERMITTENT	L	1			ELIMINATE							

MBB ROAD MANAGEMENT OBJECTIVES

TRAFFIC CODES: LCV = Low Clearance Vehicle  
RV = Recreation Vehicle

HCV = High Clearance Vehicle  
ATV = All Terrain or Off-Road Vehicle  
Ped = Pedestrian

ALTERNATIVE 4

VCU NUMBER	ROAD NUMBER	ROAD MILES	ROAD STATUS	SERVICE LIFE	FUNCT. CLASS	POST-HARVEST MAINT. LEVEL	POST-HARVEST ACCESS NEEDS/TRAFFIC STRATEGIES			POST-HARVEST RESOURCE CONCERNS (SEE ROAD CARDS)			
							FUTURE COMML VOL	SILVIC/ ADMIN	PUBLIC/ RECREATION	HYDRO/ SOILS	W/L	SUB- SIS.	FISH
287	7525	1.2	P	INTERMITTENT	C	2			DISCOURAGE				
288	7525	1.6	P	INTERMITTENT	C	2			DISCOURAGE				
	7525N	1.5	P	INTERMITTENT	L	1			ELIMINATE				
291	7587	5.1	E	INTERMITTENT	C	1			ELIMINATE				
	75872	1.5	P	INTERMITTENT	C	1			ELIMINATE				
292	7586	1.1	E	INTERMITTENT	C	1			ELIMINATE				
	7587	2.8	E	INTERMITTENT	C	1			ELIMINATE				
	75872	6.0	P	INTERMITTENT	C	1			ELIMINATE				
	75873	2.0	P	INTERMITTENT	L	1			ELIMINATE				
	75882	2.3	P	INTERMITTENT	C	2			DISCOURAGE				
	758823	0.4	P	INTERMITTENT	L	1			ELIMINATE				
299	7574	0.4	P	INTERMITTENT	C	1			ELIMINATE				
300	7574	2.7	E/P	INTERMITTENT	C	1			ELIMINATE				
	7583	0.5	E	INTERMITTENT	C	2			ACCEPT				
	75831	0.7	P	INTERMITTENT	C	2			ACCEPT				
	75831S	1.9	P	INTERMITTENT	C	2			ACCEPT				
	758316	0.5	P	INTERMITTENT	L	1			DISCOURAGE				
	7585	0.9	E	INTERMITTENT	C	2			ACCEPT				
	75851	1.0	P	INTERMITTENT	L	2			ACCEPT				
301	7558	1.0	E	INTERMITTENT	C	1			ELIMINATE				
	75581	1.0	P	INTERMITTENT	C	1			ELIMINATE				

**NRB ROAD MANAGEMENT OBJECTIVES**

ALTERNATIVE 4

TRAFFIC CODES: LCV = Low Clearance Vehicle  
RV = Recreation Vehicle

HCV = High Clearance Vehicle  
ATV = All Terrain or Off-Road Vehicle  
Ped = Pedestrian

VCU NUMBER	ROAD NUMBER	ROAD MILES	ROAD STATUS	SERVICE LIFE	FUNCT. CLASS	POST-HARVEST MAINT. LEVEL	POST-HARVEST ACCESS NEEDS/TRAFFIC STRATEGIES			POST-HARVEST RESOURCE CONCERNS (SEE ROAD CARDS)		
							FUTURE COMM. VOL.	SILVIC/ADMIN	PUBLIC/RECREATION	HYDRO/SOILS	W/L	SUB-SIS.
302	7583	1.1	E	INTERMITTENT	C	2	-	ACCEPT	-	-	-	-
	75831	5.1	E/P	INTERMITTENT	C	2	-	ACCEPT	-	-	-	-
	758311	0.8	P	INTERMITTENT	L	1	-	ELIMINATE	-	-	-	-
	758313	0.7	P	INTERMITTENT	L	1	-	ELIMINATE	-	-	-	-
	758314	0.8	P	INTERMITTENT	L	1	-	ELIMINATE	-	-	-	-
	758315	0.8	P	INTERMITTENT	L	1	-	ELIMINATE	-	-	-	-
	75831S	1.7	P	INTERMITTENT	C	2	-	ACCEPT	-	-	-	-



# **Appendix E**

## **Log Transfer Facility**

### **Dive Reports**





# Dive Reports for Existing Log Transfer Facility Sites in the Northwest Baranof Project Area

## Introduction and Methods

Diving for proposed LTF sites was done in September 1994 by Bob Boes and Tim White using sport scuba gear. Bob Boes is a marine biologist with 17 years diving experience in Southeast Alaska. Bob earned his degree from the University of Florida. Bob has been teaching scuba and diving Southeast since 1977. He has also done several recent LTF studies for the Forest Service. Tim White is a marine biologist with a specialty in fisheries biology. Tim is a graduate of Sheldon Jackson College. Tim is also a padi divemaster with 5 years of diving experience in Southeast Alaska.

Diving was conducted using traditional sport scuba gear with digital depth gauges. Digital gauges are more accurate than analog gauges used in the past, so depth readings are more accurate especially in more shallow water.

A 300-foot transect tape was laid out along the bottom using predetermined compass headings, established from points on shore. The USFS set up the shore sites using rebar and stakes to mark the beginning of each transect. A total of 5 transects were done, spaced 100 feet apart and covering a total area of 400 feet.

A 10-foot square was established every 25 feet along each 300-foot transect. Bottom composition was noted as well as counting all plant and animal life. Where things such as acorn barnacles, limpets, etc, were too numerous to count, a one-foot by one-foot area was established along the same point on each transect. If animals such as acorn barnacles were too numerous it was noted by the value 100 plus.

Buoy and dye tests were conducted at the site during several stages of the tide. A low profile buoy was used so wind would not be a factor. The buoy was timed over a set distance. One tablespoon of concentrated dye was used and dispersal rate was timed.

Complete reports for each LTF dive are filed in the Project Planning Record at the Forest Supervisor's Office, 204 Siginaka Way, Sitka, Alaska.

## Rodman Bay

Rodman Bay's benthic habitat is not unlike most other bays of its type. The proposed LTF site did have some unique habitat created by the fact that it has already been used as a log transfer site some years back. The amount of old garbage, cable, engine blocks, tires, etc., was too numerous to note on individual transects so we left it for our discussion now. While we feel that the amount of benthic life in the proposed area is in no way significant, or sensitive, it's nice to see that the life there is taking advantage of what we left behind years ago. Every transect had some significant amount of debris creating habitat especially for animals such as the coonstripe shrimp. Their concentrations were probably higher because of the artificial habitat.

The buoy and dye tests done show good flushing action. The current, while not strong, could be felt while submerged. The buoy covered approximately 300 feet in an hour, while the dye dispersed in one hour. One tablespoon of concentrated dye was used.

In conclusion no sensitive habitat or significant amount of marine life was found, making Rodman bay, from the underwater perspective, a good site for a log transfer site

### Schulze Cove

Schulze Cove has been used for a log storage facility for quite some time. The bark accumulations especially in the deeper areas show it. There are numerous whole logs and some debris covering the area studied. In areas where the fungus was noted very little life was seen. Our overall impression of the area was that it was very barren and void of life.

The small band of eel grass did support some minimal life, but we did not notice any significant or sensitive habitat. No concentrations of shellfish were noted.

Buoy tests showed low a flow rate of approximately 100 ft. in four hours. It was tried twice further out with little change. One tablespoon of dye dispersed in two hours.

In conclusion we found absolutely no significant or sensitive habitat of any kind, yet because the maximum depth was only 40 feet and flushing action was poor, a closer look may need to be taken.

### St. John Baptist Bay

The St. John site is similar in many ways to the Rodman Bay site. The greatest concentration of animal life was found in and around the man made debris, left from the previous logging operation. The amount of animal life found was very minimal on all transects. No concentrations of shellfish were found. One small school of pink salmon (*oncorhynchus gorbuscha*) was noted while swimming one of the transects.

Buoy tests were conducted and showed moderate to good flow rates. The buoy traveled about 250 feet in one hour. One tablespoon of dye dispersed in 1.5 hours. A very moderate current could be felt while swimming.

No significant or sensitive habitat was noted making this site in St. John Baptist Bay, from the underwater perspective, a good site once again for a log transfer site.

### Noxon Creek

The diving conditions were very similar to the conditions found at the Nakwasina Passage site. They are both found at the end of a narrow stretch of water branching out to a larger body of water, creating very good flow conditions. The life found at both locations was very similar also. While we did find a fair number of animals, we found no nesting or breeding habitat. We also covered an area approximately 100 yards beyond both ends of the transect area to try and determine if there was any sensitive habitat. None was found. We did not feel that the numbers and types of animals found were in any way significant.

The buoy tests showed very good flow and flush rate. It moved approximately 400 feet in one hour. The tablespoon of dye dispersed in less than 20 minutes. A large exposed rock approximately 200 yards off shore probably helps the flow rate by channeling water through a tighter area. Current could be felt both submerged and on the surface.

In conclusion no significant or sensitive habitat or animal life was found, making Noxon creek, from the underwater view, a good spot for an LTF site.

## **Nakwasina Passage**

While diving Nakwasina we did count more life than in other areas that were studied, yet we did not feel that the amount was in any way significant. The most sensitive animal, particularly from a commercial harvest standpoint, was the dungeness crab (*cancer magister*). While we did find some crab we did not notice any evidence of rearing or spawning activity anywhere in or even outside the transect area. We swam an area approximately 100 yards beyond each end of the transect area to make certain that there was no spawning activity going on. There are areas inside Nakwasina Sound that do support spawning activity but an LTF site in this location should not adversely affect any of them.

The depth did not exceed 40 feet on any of our transects and it was a gradually sloping bottom.

The flush rate is excellent. Our buoy took off at a rate that far exceeded our expectations, in fact we lost it. While diving it was hard to keep the transects straight because of the current flow both submerged and at the surface. Flushing rate at this site will not be a problem. One tablespoon of dye dispersed in approximately 20 minutes.

In conclusion we did not find any sensitive or significant habitat and we feel that as long as the depths and slope listed did not present a problem, Nakwasina Passage would make an excellent LTF site, from the underwater perspective.

## **Lisa Creek**

The proposed Lisa Creek site is in Nakwasina Sound, along a part of the shore that has extremely steep drop-offs. None of the transects reached the 300 foot mark on the tape. This site must have been used as a log storage area sometime in the past judging by all the log debris and bark found. There are numerous logs, branches and twigs resting on the bottom. In trying to measure the bark depth we found it had no depth other than the thickness of the bark itself, it was just spread out over a wide area.

We found no sensitive habitat or concentrations of animals that we would deem significant.

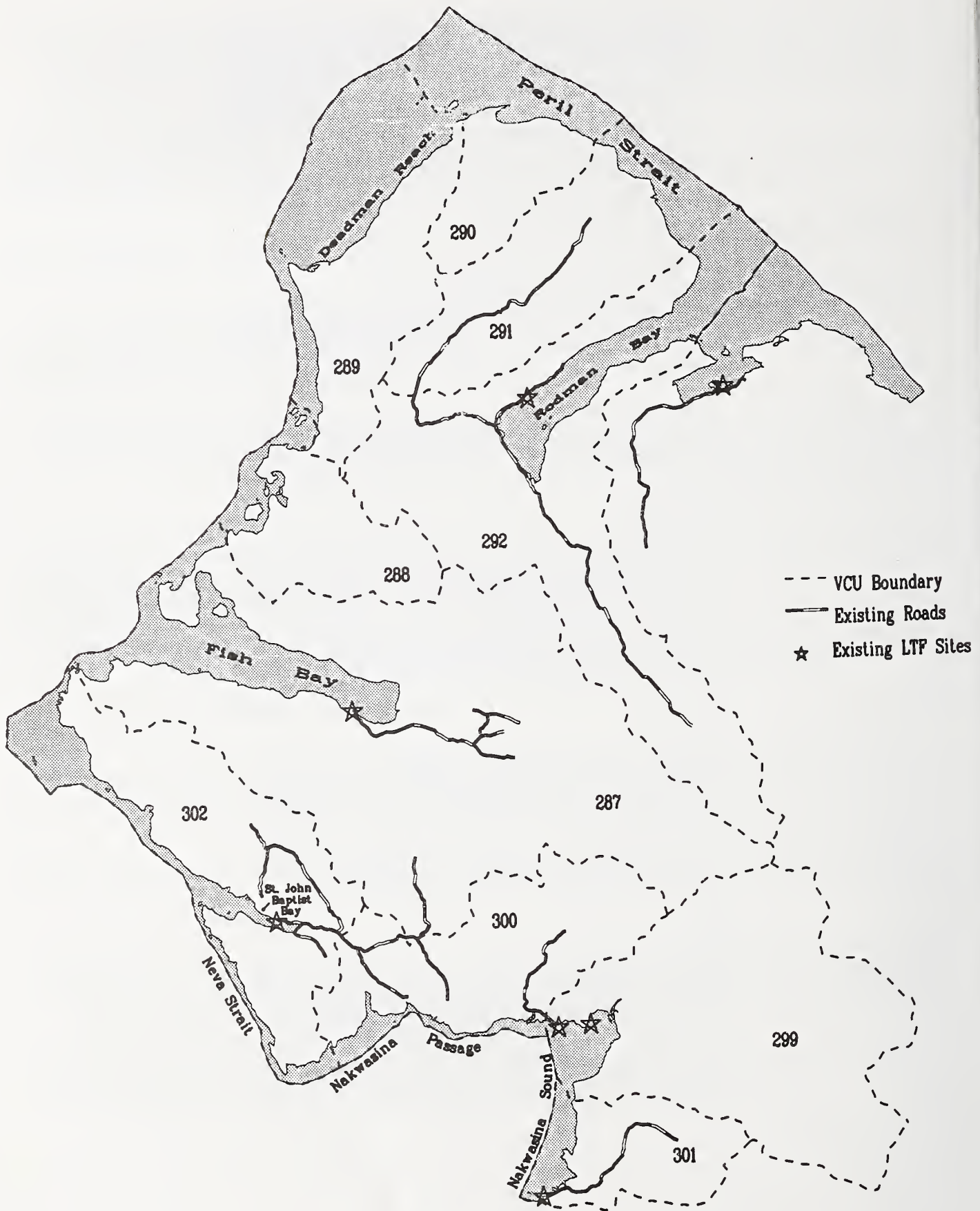
The flushing action was good. The buoy covered an area of 300 feet in 1 hour, while the tablespoon of dye dispersed in about 1 half hour. There was a mild surface current making it harder to get the transects straight.

From the underwater perspective no significant or sensitive habitat was found making Lisa Creek an acceptable place for a log transfer site.

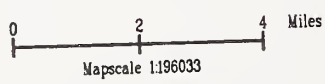
## **Northeast Rodman Bay**

This site was investigated during the preparation of the Kelp Bay Timber Sale EIS by Bill Hughes (US Fish and Wildlife Service) and Duane Peterson (National Marine Fisheries Service) using scuba gear. A hundred meter transect was laid out at 90 degrees from the beach. Water depth along the transect was relatively shallow (12 meters). However, water depth increases rapidly and the bottom drops off to deeper waters of Rodman Bay (>60 M) seaward of the end of the transect. Flushing action at this site is considered good. No significant impacts are expected at this site.

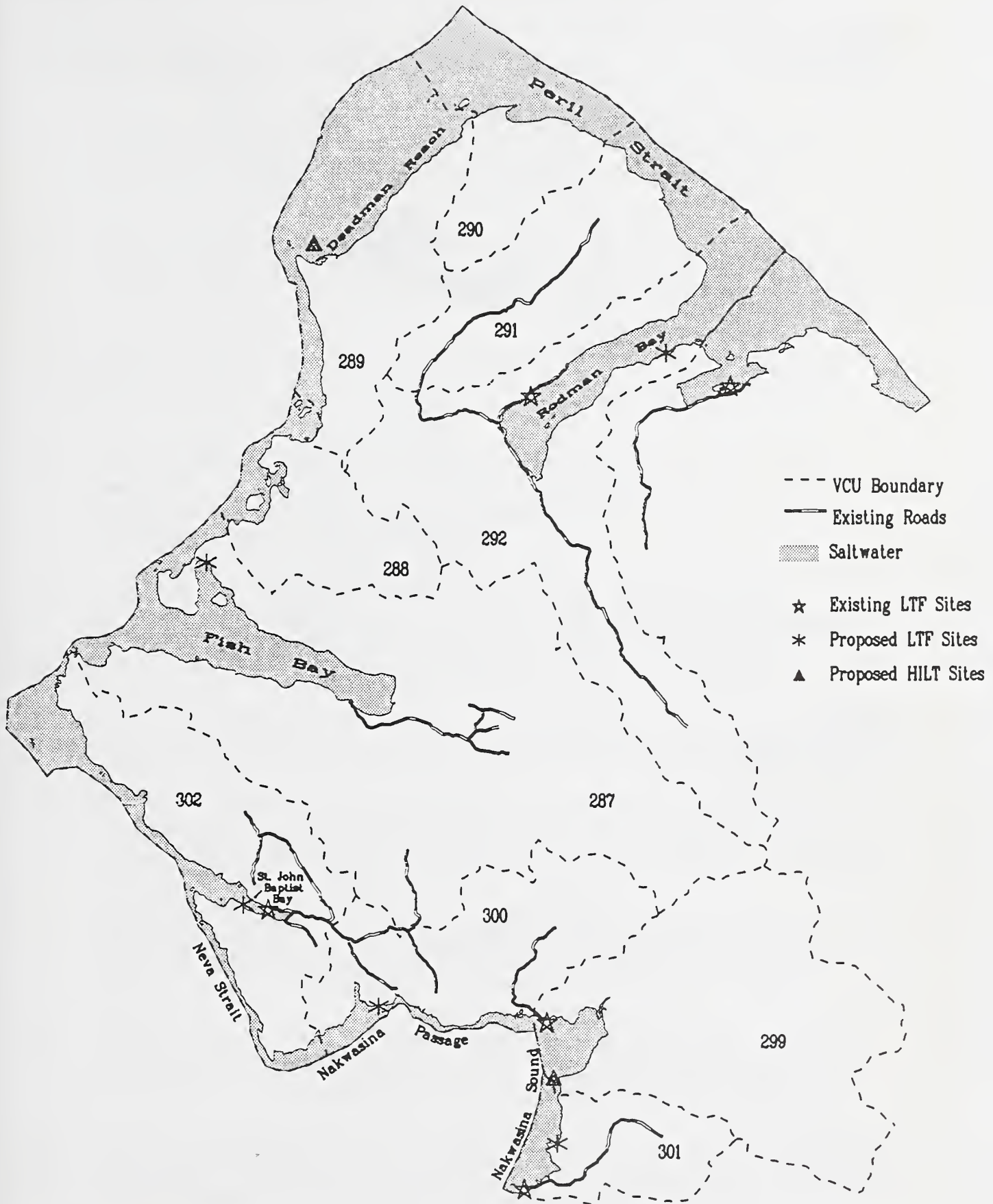
# Northwest Baranof Project Area



- VCU Boundary
- Existing Roads
- ★ Existing LTF Sites



# Northwest Baranof Project Area



0 2 4 Miles  
Mapscale 1:196033

Figure D-1  
Helicopter Insertion  
Log Transfer Site  
(HILTS)

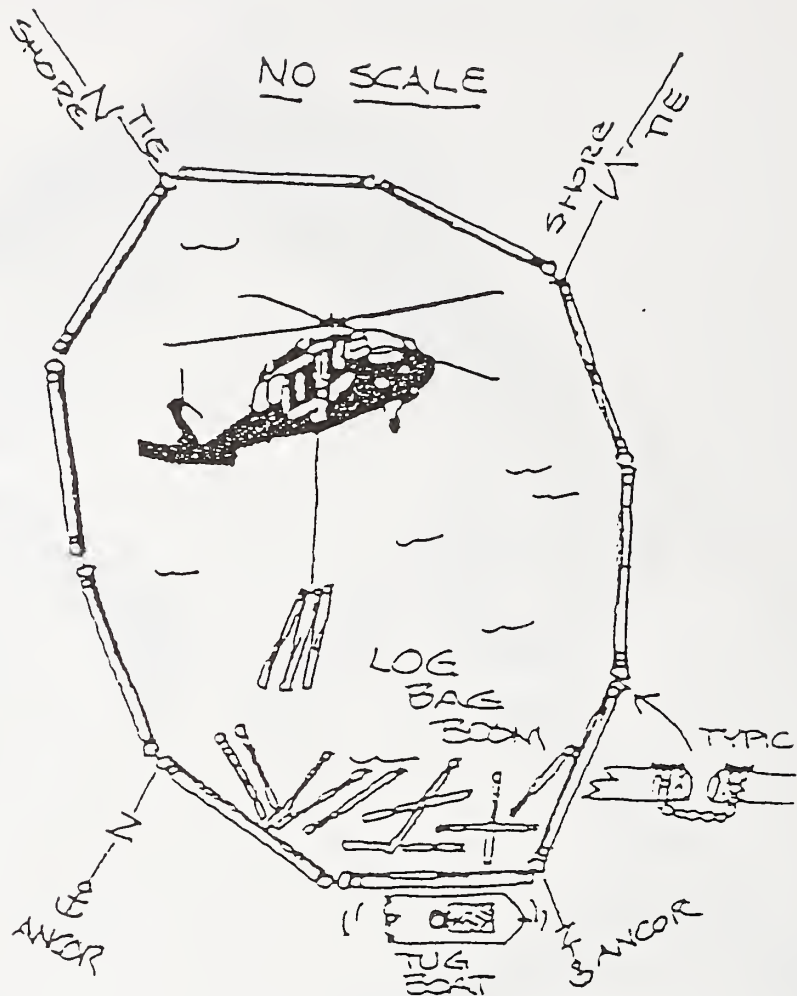
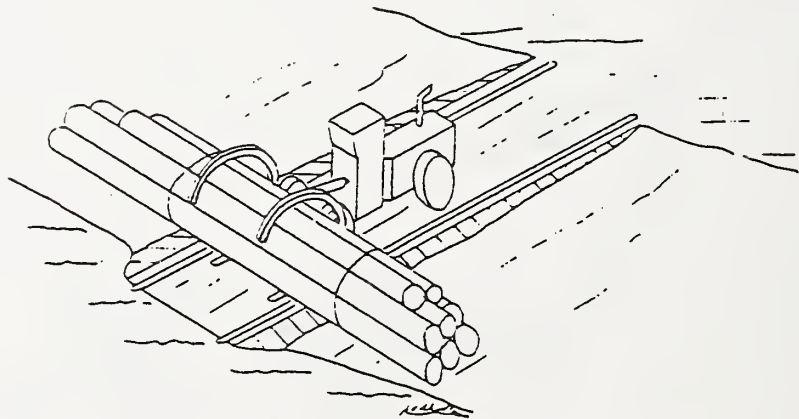


Figure D-2  
Low Angle  
Drive-Down Ramp  
Log Transfer Facility



## LTF Siting Guidelines

1. Proximity to Rearing and Spawning Areas: Siting of log transfer and log raft storage facilities within 300 feet of the mouths of anadromous fish streams, or in areas known to be important for fish spawning or rearing, is normally prohibited.
2. Protected Locations: Log transfer and log raft storage facilities should be sited in weather-protected waters with bottoms suitable for anchoring and with at least 20 acres for temporary log storage and log booming.
3. Upland Facility Requirements: Log transfer facilities generally should be sited in proximity to at least 5 acres of relatively flat uplands. There should also be a body of water sufficient to provide a minimum of 60 lineal feet of facility face.
4. Safe Access to a Facility from the Uplands: To provide safe access to the log transfer facility and adjoining log sort yard, the facility should be sited where access roads to the facility can maintain a grade of 10 percent or less for trucks and 4 percent for specialized equipment.
5. Bark Dispersal: Log transfer facilities should be sited along or adjacent to straits and channels or deep bays where currents may be strong enough to disperse sunken or floating wood debris. Siting log transfer facilities in embayments with sills or other natural restrictions to tidal exchange should be avoided.
6. Site Productivity: Sites for in-water storage and/or transfer of logs should be located in areas having the least productive intertidal and subtidal zones.
7. Sensitive Habitat: Log transfer facilities and log raft storage areas should not be sited on or adjacent to (i.e., near enough to affect) extensive tideflats, salt marshes, kelp or eelgrass beds, seaweed harvest areas, or shellfish concentration areas.
8. Safe Marine Access to Facilities: Log rafting and storage facilities should be safely accessible to tug boats with log rafts at most tides and on most winter days.
9. Storage and Rafting: Logs, log bundles, and log rafts should be stored in areas where they will not ground at low tide. A minimum depth of 40 feet or deeper measured at mean lower low water (mllw) for log raft storage is preferred.
10. Avoid Bald Eagle Nest Trees: Site log transfer facilities to, avoid bald eagle nests. No project construction or operations should be closer than 330 feet to any bald eagle nest tree.

Comparison of Log Transfer Sites Based on LTF Guidelines Under 404(b)(1)

VCU	LTF Name	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
287	Schulze Cove	+	+	+	+	-	+	+	+	+	+
292	Rodman	+	+	+	+	+	+	-	-	+	+
292	Rodman NE	+	+	+	-	+	+	+	-	+	+
293	Appleton	+	+	+	+	-	+	-	+	+	+
300	Noxon	+	+	+	+	+	+	+	+	+	+
300	Nakwasina Passage	+	+	+	-	+	+	+	+	+	+
301	Lisa Creek N	+	+	+	-	+	+	+	+	+	+
301	Lisa Creek	+	+	+	+	+	+	+	+	+	+
302	St. John Baptist	+	+	+	+	+	+	-	+	+	+
302	St. John Baptist S	+	+	+	-	+	+	+	+	+	+

+ Meets LTF Guidelines

- Does not meet LTF Guidelines



# **Appendix F**

## **Recreation**



# Recreation

Within the Northwest Baranof Project Area there are 24 inventoried Recreation Places totaling 24,621 acres. A Recreation Place is an identified geographic area having one or more physical characteristics attractive to people engaging in recreational activities. These features may be beaches, streamside areas, road or trail corridors, or areas surrounding lakes, cabins, or anchorages. Each Recreation Place has one or more activities associated with it such as viewing scenery or wildlife, boating, hiking, fishing, dispersed camping, and hunting.

Thirteen Recreation Places are unaltered in all Alternatives. These Recreation Places are:

- Channel Rocks
- Haley Point Uplands
- Haley Anchorage/Haley Point
- Head of Fish Bay
- Fish Bay Road System
- Sinitsin Cove
- Range Creek Cove/Yellow point
- Pogibshi/Goose Cove
- Nismeni Cove
- Nakwasina Passage
- St. John Roads Uplands
- Hemorrhoid Lake
- Rosenberg Lake

Figures F-1 through F-5 illustrate the recreation place changes between alternatives.

# Alternative 1 Recreation Places

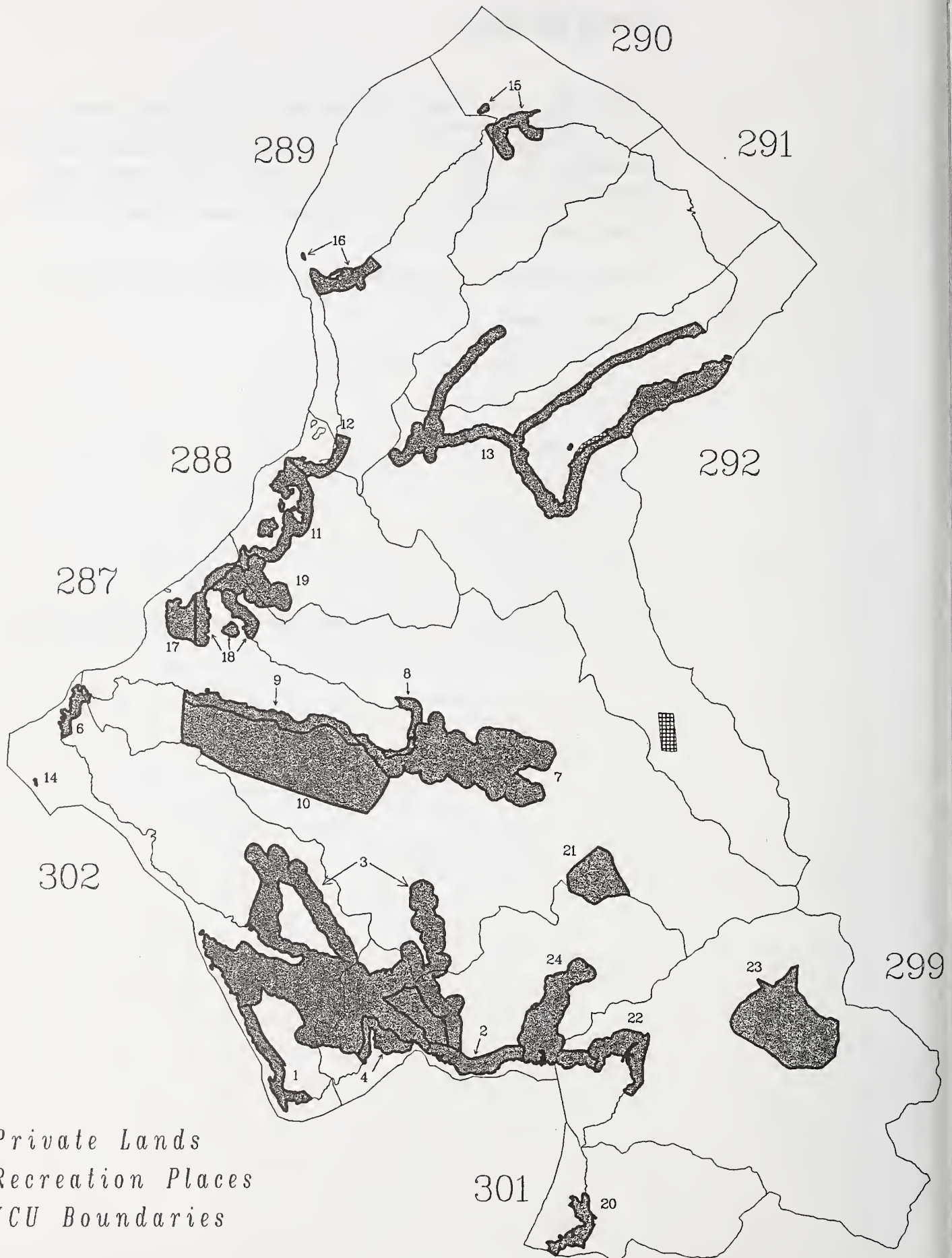


Table F-1

**Alternative 1 - Recreation Places and Their Features**

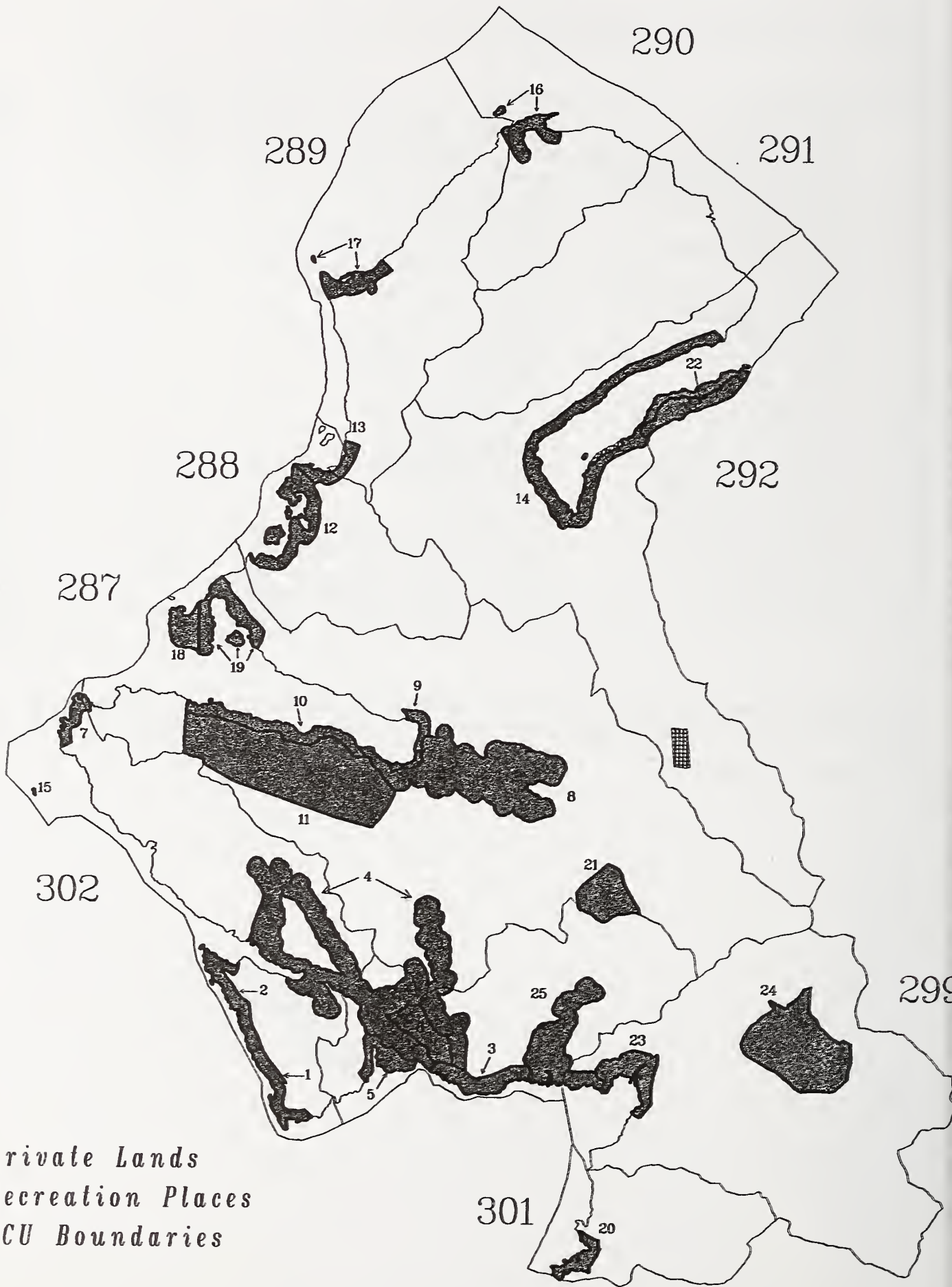
Map Number	Recreation Place	Features	Setting**	Acres
1.	Neva Strait*	Anchorage, High boat use*	N	478*
2.	Nakwasina Passage*	Big game and Waterfowl hunting*	N	501*
3.	St. John Baptist Bay Road System	ORV use, Hiking, Lake/stream fishing	M	7,172
4.	Nak.Passage/St. Johns Road	Shoreline, Big game hunting	N	346
5.	St. John Roads Uplands	Big game hunting	N	503
6.	Channel Rocks	Emergency shelter, Anchorage	N	200
7.	Fish Bay Road System	Dispersed camping, Hot Springs, ORV use	M	2,828
8.	Head of Fish Bay	Anchorage, Trail, Hiking, Estuary	N	211
9.	Haley Anchorage/Haley Point	Anchorage, Big game hunting	N	662
10.	Haley Point Uplands	Big game hunting	N	3,841
11.	Bear/Baby Bear Bay	Anchorage, Camping, Nature study	N	784
12.	Range Creek Cove/Yellow Point	Camping, Hiking, Boat access	N	270
13.	Rodman Bay	Anchorage, Cabin, Shoreline	M	3,524
14.	Sinitsin Cove*	Beach, picnicking*	N	2*
15.	Nis̄meni Cove	Hunting, Shelter, Cove	N	396
16.	Pogibshi/Goose Cove	Shoreline, Grass flats	N	375
17.	Launch Cove/Island Point	Anchorage, Hunting, Sergius Narrows	N	331
18.	Schulze Cove/Piper Island	Anchorage, Cabin	N	645
19.	Schulze Cove Road System	Hiking, Hunting	M	670
20.	Nakwasina Sound, East*	Dispersed camping, Shoreline, Hunting	M	331*
21.	Hemorrhoid Lake	Dispersed camping, Big game hunting	N	675
22.	Head of Nakwasina Sound	Waterfowl hunting, Dispersed camping	M	569
23.	Rosenberg Lake	Dispersed camping, Big game hunting	N	2,076
24.	Nakwasina Passage Road System	Big game hunting, Hiking	M	1,288
<b>TOTAL</b>				<b>28,678</b>

Source: Flynn, 1995 Note: This information derived from Chatham Area Geographic Information Systems (GIS).

\*Recreation Place extends beyond the Project Area. Features and acres listed are only for that portion within the Project Area.

\*\* N - natural, M - modified

# Alternative 2 Recreation Places






-  Private Lands
-  Recreation Places
-  VCU Boundaries

Table F-2  
**Alternative 2 - Recreation Places and Their Features**

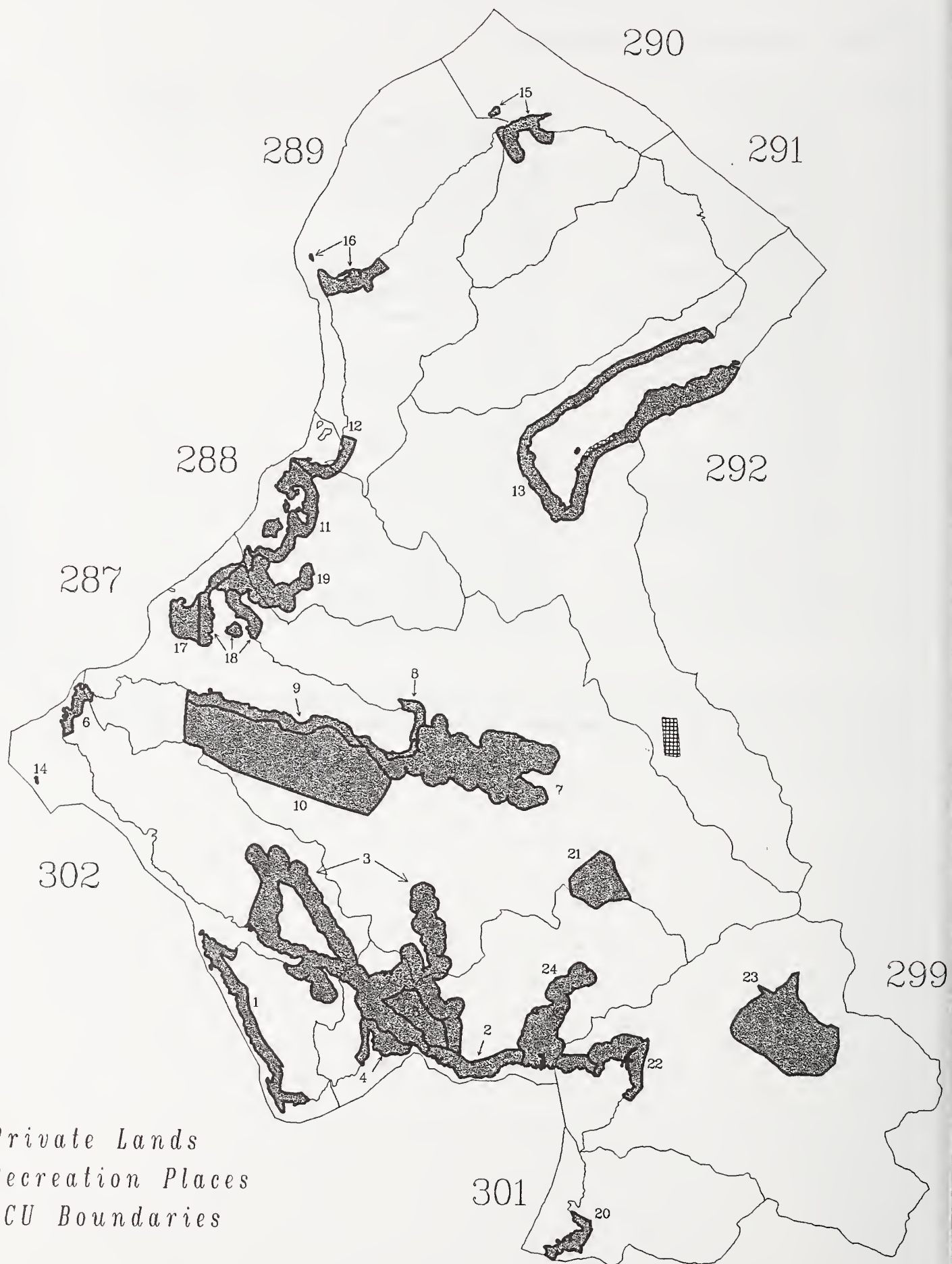
Map Number	Recreation Place	Features	Setting**	Acres
1.	Neva Strait*	Anchorage, High boat use*	N	370*
2.	N.E. Neva	Anchorage, High boat use	M	473
3.	Nakwasina Passage*	Big game and Waterfowl hunting*	N	501*
4.	St. John Baptist Bay Road System	ORV use, Hiking, Lake/stream fishing	M	4,720
5.	Nak.Passage/St. Johns Road	Shoreline, Big game hunting	N	346
6.	St. John Roads Uplands	Big game hunting	N	503
7.	Channel Rocks	Emergency shelter, Anchorage	N	200
8.	Fish Bay Road System	Dispersed camping, Hot Springs, ORV use	M	2,828
9.	Head of Fish Bay	Anchorage, Trail, Hiking, Estuary	N	211
10.	Haley Anchorage/Haley Point	Anchorage, Big game hunting	N	662
11.	Haley Point Uplands	Big game hunting	N	3,841
12.	Bear/Baby Bear Bay	Anchorage, Camping, Nature study	N	798
13.	Range Creek Cove/Yellow Point	Camping, Hiking, Boat access	N	270
14.	Rodman Bay	Anchorage, Cabin, Shoreline	M	1,862
15.	Sinitsin Cove*	Beach, picnicking*	N	2*
16.	Nismeni Cove	Hunting, Shelter, Cove	N	396
17.	Pogibshi/Goose Cove	Shoreline, Grass flats	N	375
18.	Launch Cove/Island Point	Anchorage, Hunting, Sergius Narrows	N	331
19.	Schulze Cove/Piper Island	Anchorage, Cabin	N	610
20.	Nakwasina Sound, East*	Dispersed camping, Shoreline, Hunting	M	250*
21.	Hemorrhoid Lake	Dispersed camping, Big game hunting	N	675
22.	Appleton Cove	Big game hunting	M	498
23.	Head of Nakwasina Sound	Waterfowl hunting, Dispersed camping	M	569
24.	Rosenberg Lake	Dispersed camping, Big game hunting	N	2,076
25.	Nakwasina Passage Road System	Big game hunting, Hiking	M	1,254
<b>TOTAL</b>				<b>24,621</b>

Source: Flynn, 1995 Note: This information derived from Chatham Area Geographic Information Systems (GIS).

\*Recreation Place extends beyond the Project Area. Features and acres listed are only for that portion within the Project Area.

\*\* N - natural, M - modified

# Alternative 3 Recreation Places






-  Private Lands
-  Recreation Places
-  VCU Boundaries



Table F-3

**Alternative 3 - Recreation Places and Their Features**

Map Number	Recreation Place	Features	Setting**	Acres
1.	Neva Strait*	Anchorage, High boat use*	N	843*
2.	Nakwasina Passage*	Big game and Waterfowl hunting*	N	501*
3.	St. John Baptist Bay Road System	ORV use, Hiking, Lake/stream fishing	M	4,720
4.	Nak.Passage/St. Johns Road	Shoreline, Big game hunting	N	346
5.	St. John Roads Uplands	Big game hunting	N	503
6.	Channel Rocks	Emergency shelter, Anchorage	N	200
7.	Fish Bay Road System	Dispersed camping, Hot Springs, ORV use	M	2,828
8.	Head of Fish Bay	Anchorage, Trail, Hiking, Estuary	N	211
9.	Haley Anchorage/Haley Point	Anchorage, Big game hunting	N	662
10.	Haley Point Uplands	Big game hunting	N	3,841
11.	Bear/Baby Bear Bay	Anchorage, Camping, Nature study	N	784
12.	Range Creek Cove/Yellow Point	Camping, Hiking, Boat access	N	270
13.	Rodman Bay	Anchorage, Cabin, Shoreline	M	2,370
14.	Sinitsin Cove*	Beach, picnicking*	N	2*
15.	Nismeni Cove	Hunting, Shelter, Cove	N	396
16.	Pogibshi/Goose Cove	Shoreline, Grass flats	N	375
17.	Launch Cove/Island Point	Anchorage, Hunting, Sergius Narrows	N	331
18.	Schulze Cove/Piper Island	Anchorage, Cabin	N	645
19.	Schulze Cove Road System	Hiking, Hunting, ORV	M	802
20.	Nakwasina Sound, East*	Dispersed camping, Shoreline, Hunting	M	250*
21.	Hemorrhoid Lake	Dispersed camping, Big game hunting	N	675
22.	Head of Nakwasina Sound	Waterfowl hunting, Dispersed camping	M	569
23.	Rosenberg Lake	Dispersed camping, Big game hunting	N	2,076
24.	Nakwasina Passage Road System	Big game hunting, Hiking	M	1,254
			<b>TOTAL</b>	<b>25,454</b>

Source: Flynn, 1995 Note: This information derived from Chatham Area Geographic Information Systems (GIS).

\*Recreation Place extends beyond the Project Area. Features and acres listed are only for that portion within the Project Area.

\*\* N - natural, M - modified

# Alternative 4 Recreation Places

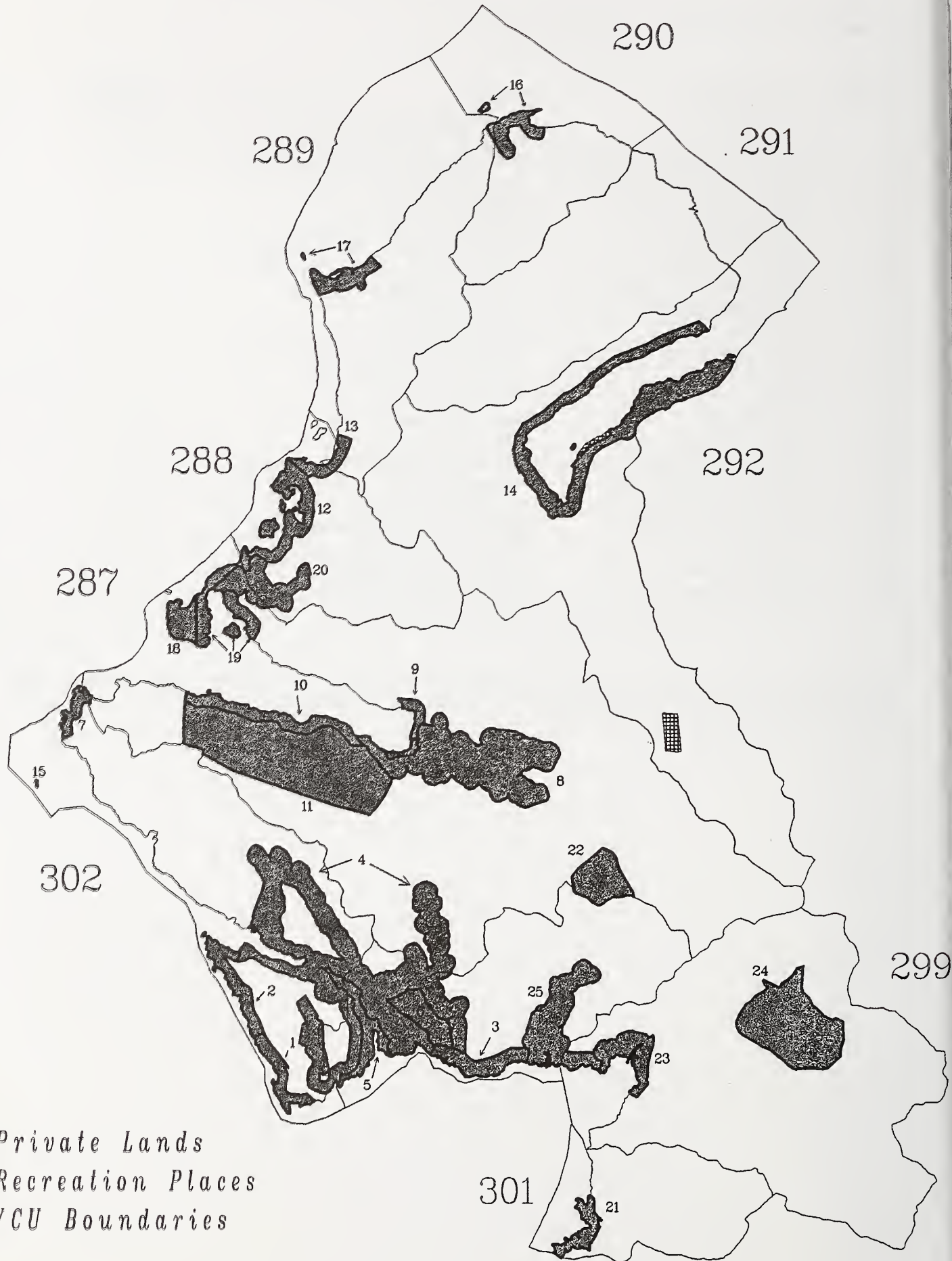


Table F-4

## Alternative 4 - Recreation Places and Their Features

Map Number	Recreation Place	Features	Setting**	Acres
1.	Neva Strait*	Anchorage, High boat use*	N	370*
2.	N.E. Neva	Anchorage, High boat use	M	473
3.	Nakwasina Passage*	Big game and Waterfowl hunting*	N	501*
4.	St. John Baptist Bay Road System	ORV use, Hiking, Lake/stream fishing	M	5,963
5.	Nak.Passage/St. Johns Road	Shoreline, Big game hunting	N	508
6.	St. John Roads Uplands	Big game hunting	N	503
7.	Channel Rocks	Emergency shelter, Anchorage	N	200
8.	Fish Bay Road System	Dispersed camping, Hot Springs, ORV use	M	2,828
9.	Head of Fish Bay	Anchorage, Trail, Hiking, Estuary	N	211
10.	Haley Anchorage/Haley Point	Anchorage, Big game hunting	N	662
11.	Haley Point Uplands	Big game hunting	N	3,841
12.	Bear/Baby Bear Bay	Anchorage, Camping, Nature study	N	784
13.	Range Creek Cove/Yellow Point	Camping, Hiking, Boat access	N	270
14.	Rodman Bay	Anchorage, Cabin, Shoreline	M	2,370
15.	Sinitsin Cove*	Beach, picnicking*	N	2*
16.	Nismeni Cove	Hunting, Shelter, Cove	N	396
17.	Pogibshi/Goose Cove	Shoreline, Grass flats	N	375
18.	Launch Cove/Island Point	Anchorage, Hunting, Sergius Narrows	N	331
19.	Schulze Cove/Piper Island	Anchorage, Cabin	N	645
20.	Schulze Cove Road System	Hiking, Hunting, ORV	M	802
21.	Nakwasina Sound, East*	Dispersed camping, Shoreline, Hunting	M	331*
22.	Hemorrhoid Lake	Dispersed camping, Big game hunting	N	675
23.	Head of Nakwasina Sound	Waterfowl hunting, Dispersed camping	M	567
24.	Rosenberg Lake	Dispersed camping, Big game hunting	N	2,076
25.	Nakwasina Passage Road System	Big game hunting, Hiking	M	1,288
TOTAL				26,972

Source: Flynn, 1995 Note: This information derived from Chatham Area Geographic Information Systems (GIS).

\*Recreation Place extends beyond the Project Area. Features and acres listed are only for that portion within the Project Area.

\*\* N - natural, M - modified

# Northwest Baranof Project Area Existing Recreation Places

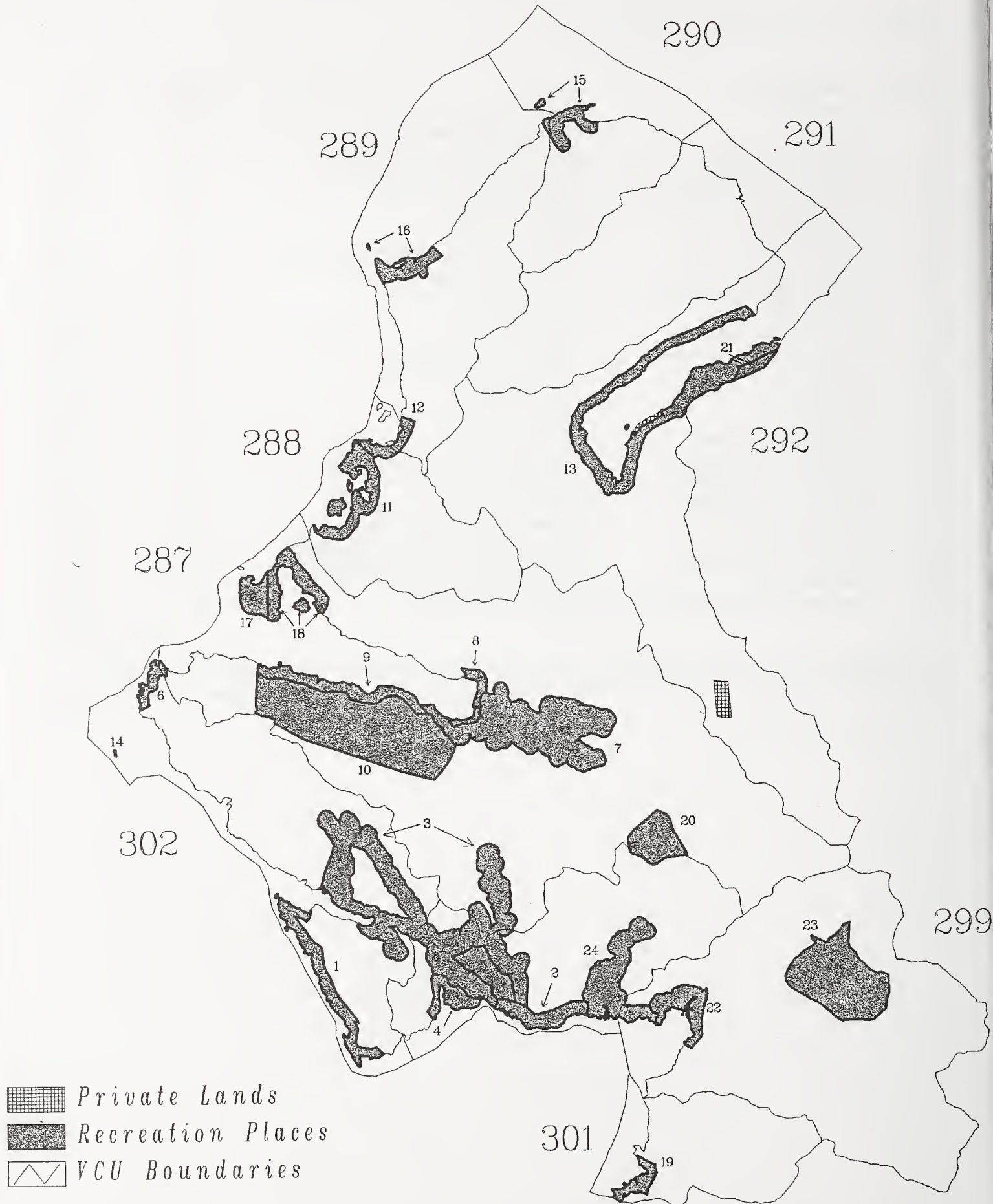


Table F-5

## Alternative (Existing Condition) - Recreation Places and Their Features

Map Number	Recreation Place	Features	Setting**	Acres
1.	Neva Strait*	Anchorage, High boat use*	N	843*
2.	Nakwasina Passage*	Big game and Waterfowl hunting*	N	501*
3.	St. John Baptist Bay Road System	ORV use, Hiking, Lake/stream fishing	M	4,720
4.	Nak. Passage/St. Johns Road	Shoreline, Big game hunting	N	346
5.	St. John Roads Uplands	Big game hunting	N	503
6.	Channel Rocks	Emergency shelter, Anchorage	N	200
7.	Fish Bay Road System	Dispersed camping, Hot Springs, ORV use	M	2,828
8.	Head of Fish Bay	Anchorage, Trail, Hiking, Estuary	N	211
9.	Haley Anchorage/Haley Point	Anchorage, Big game hunting	N	662
10.	Haley Point Uplands	Big game hunting	N	3,841
11.	Bear/Baby Bear Bay	Anchorage, Camping, Nature study	N	798
12.	Range Creek Cove/Yellow Point	Camping, Hiking, Boat access	N	270
13.	Rodman Bay	Anchorage, Cabin, Shoreline	M	2,215
14.	Sinitsin Cove*	Beach, picnicking*	N	2*
15.	Nismeni Cove	Hunting, Shelter, Cove	N	396
16.	Pogibshi/Goose Cove	Shoreline, Grass flats	N	375
17.	Launch Cove/Island Point	Anchorage, Hunting, Sergius Narrows	N	331
18.	Schulze Cove/Piper Island	Anchorage, Cabin	N	610
19.	Nakwasina Sound, East*	Dispersed camping, Shoreline, Hunting	M	250*
20.	Hemorrhoid Lake	Dispersed camping, Big game hunting	N	675
21.	Appleton Cove*	Big game hunting*	M	145*
22.	Head of Nakwasina Sound	Waterfowl hunting, Dispersed camping	M	569
23.	Rosenberg Lake	Dispersed camping, Big game hunting	N	2,076
24.	Nakwasina Passage Road System	Big game hunting, Hiking	M	1,254
TOTAL				24,621

Source: Flynn, 1995 Note: This information derived from Chatham Area Geographic Information Systems (GIS).

\*Recreation Place extends beyond the Project Area. Features and acres listed are only for that portion within the Project Area.

\*\* N - natural, M - modified



# **Appendix G**

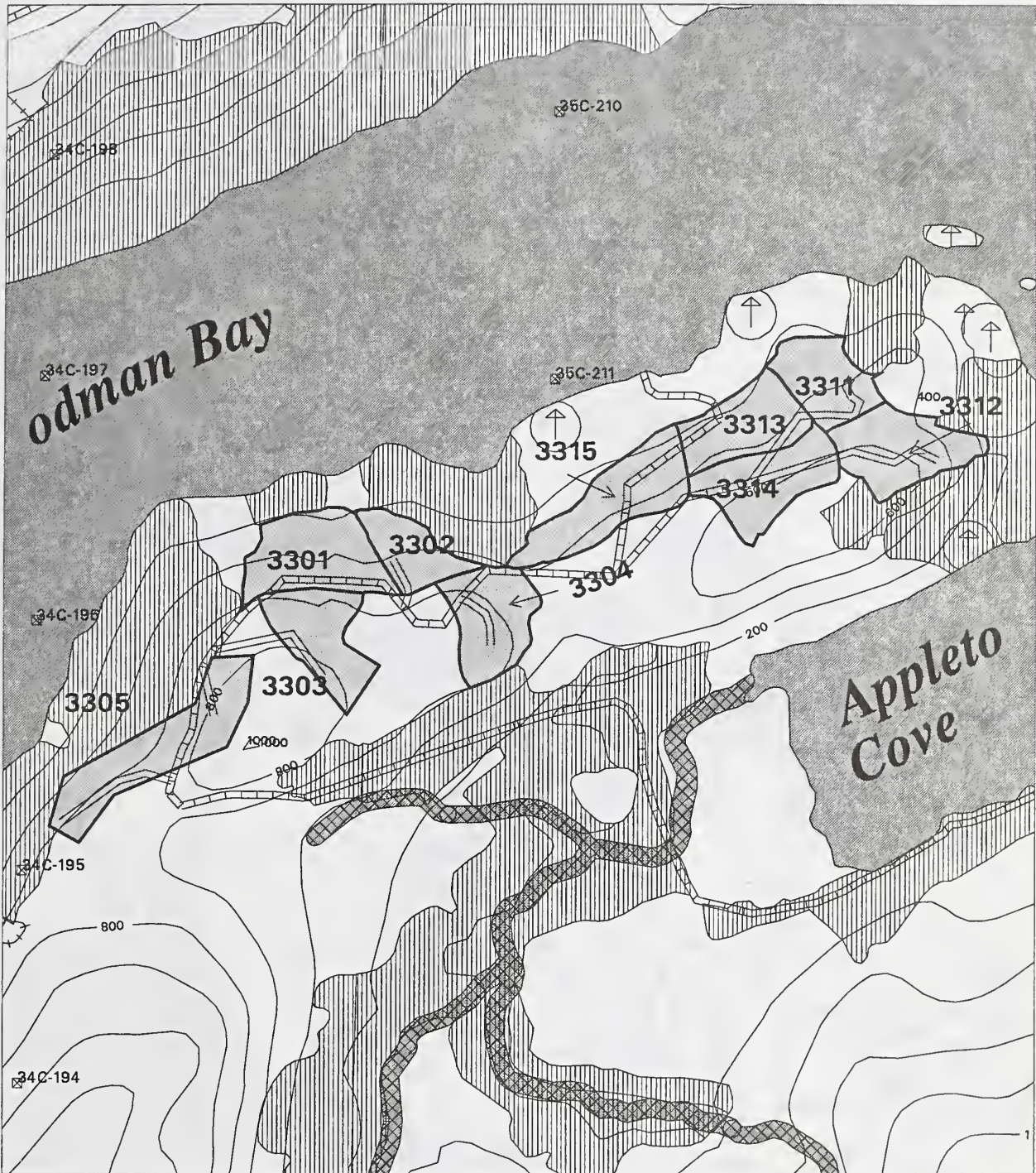
## **Unit Cards**





# NORTHWEST BARANOF PROJECT HARVEST UNITS

Sale area : 1 RodnApple



200 FT CONTOUR INTERVAL



MAPSCALE 1:24800

HARVEST UNITS



SETTING BOUNDARY



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



CLASS III STREAM



PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES

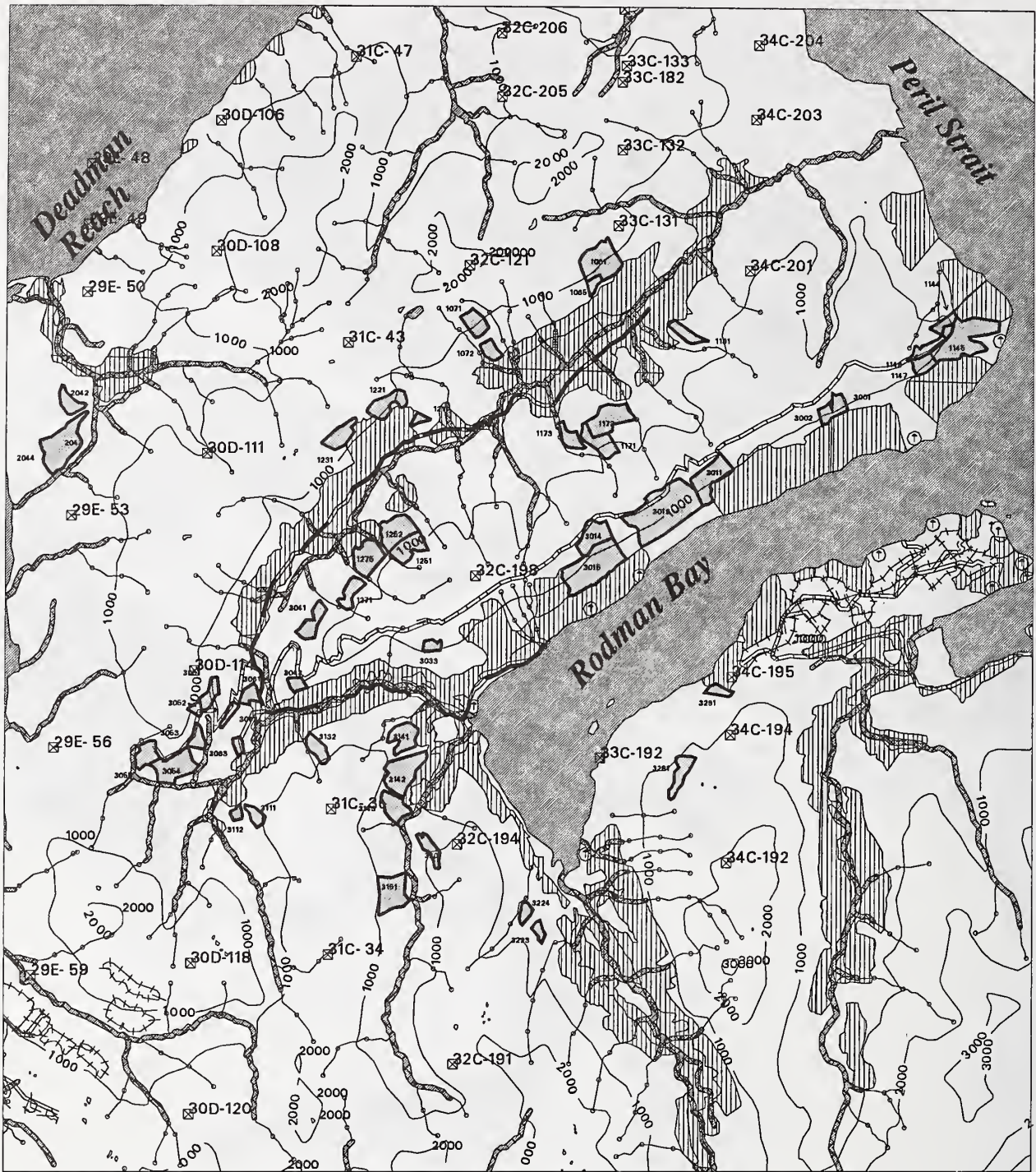


CLASS I & II STREAM BUFFER

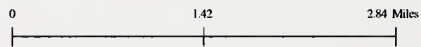


# NORTHWEST BARANOF PROJECT HARVEST UNITS







Sale area : 2 Duffield/Rodman








500 FT CONTOUR INTERVAL



MAPSCALE 1:90000

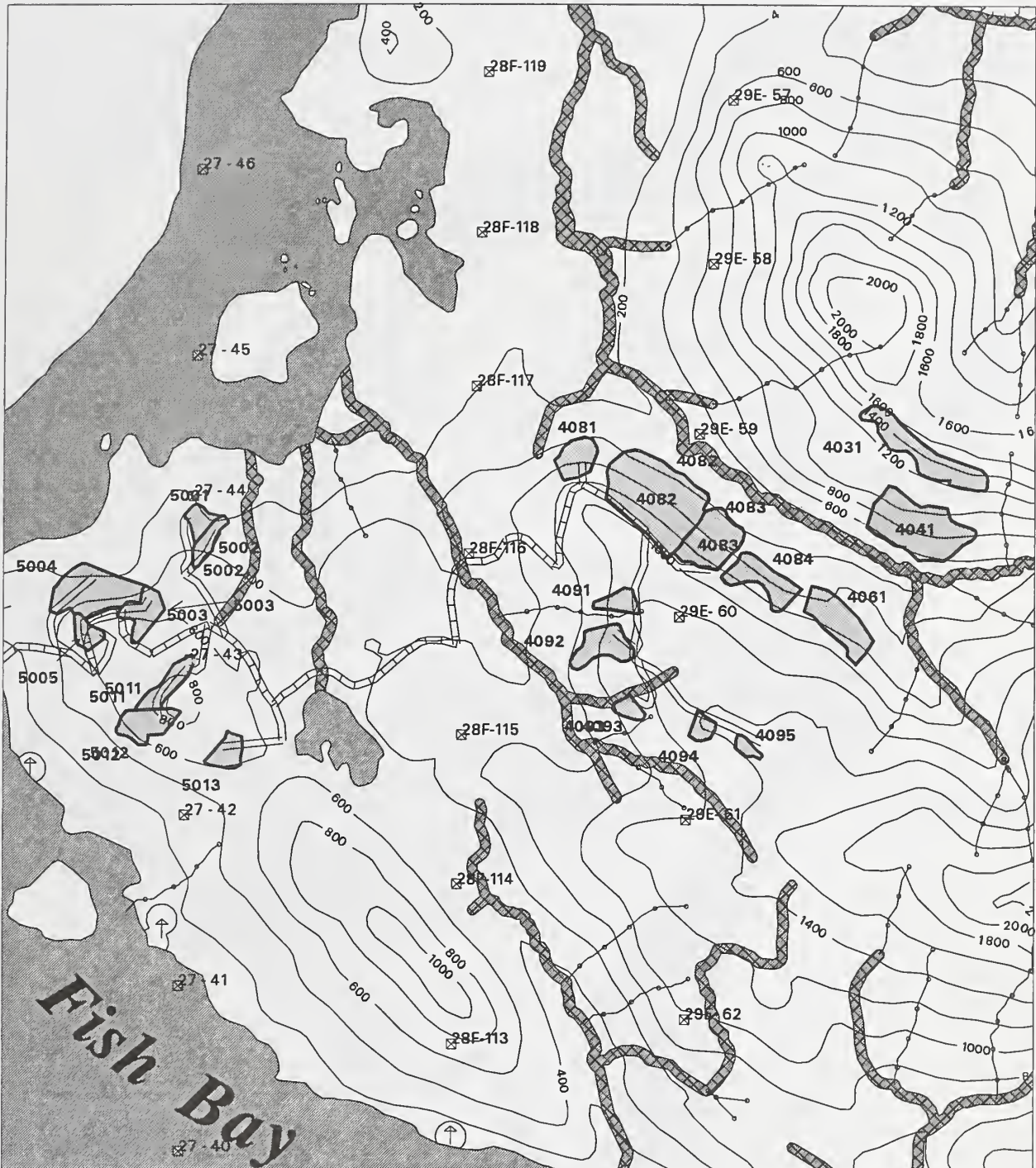
- HARVEST UNITS 
- SETTING BOUNDARY 
- NEW SPEC. ROAD 
- TEMPORARY ROAD 
- EXISTING SPEC. ROAD 
- CLASS III STREAM 

- PHOTO POINT 
- EAGLE TREE 
- EXISTING CLEARCUTS 
- SALTWATER AND LAKES 
- CLASS I & II STREAM BUFFER 



# NORTHWEST BARANOF PROJECT HARVEST UNITS

Sale area : 3 Schultz Cove



200 FT CONTOUR INTERVAL



MAPSCALE 1:40600

HARVEST UNITS



SETTING BOUNDARY



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



CLASS III STREAM



PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER

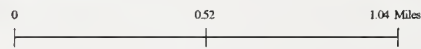


# NORTHWEST BARANOF PROJECT HARVEST UNITS







Sale area : 4 St John Baptist








200 FT CONTOUR INTERVAL



MAPSCALE 1:33000

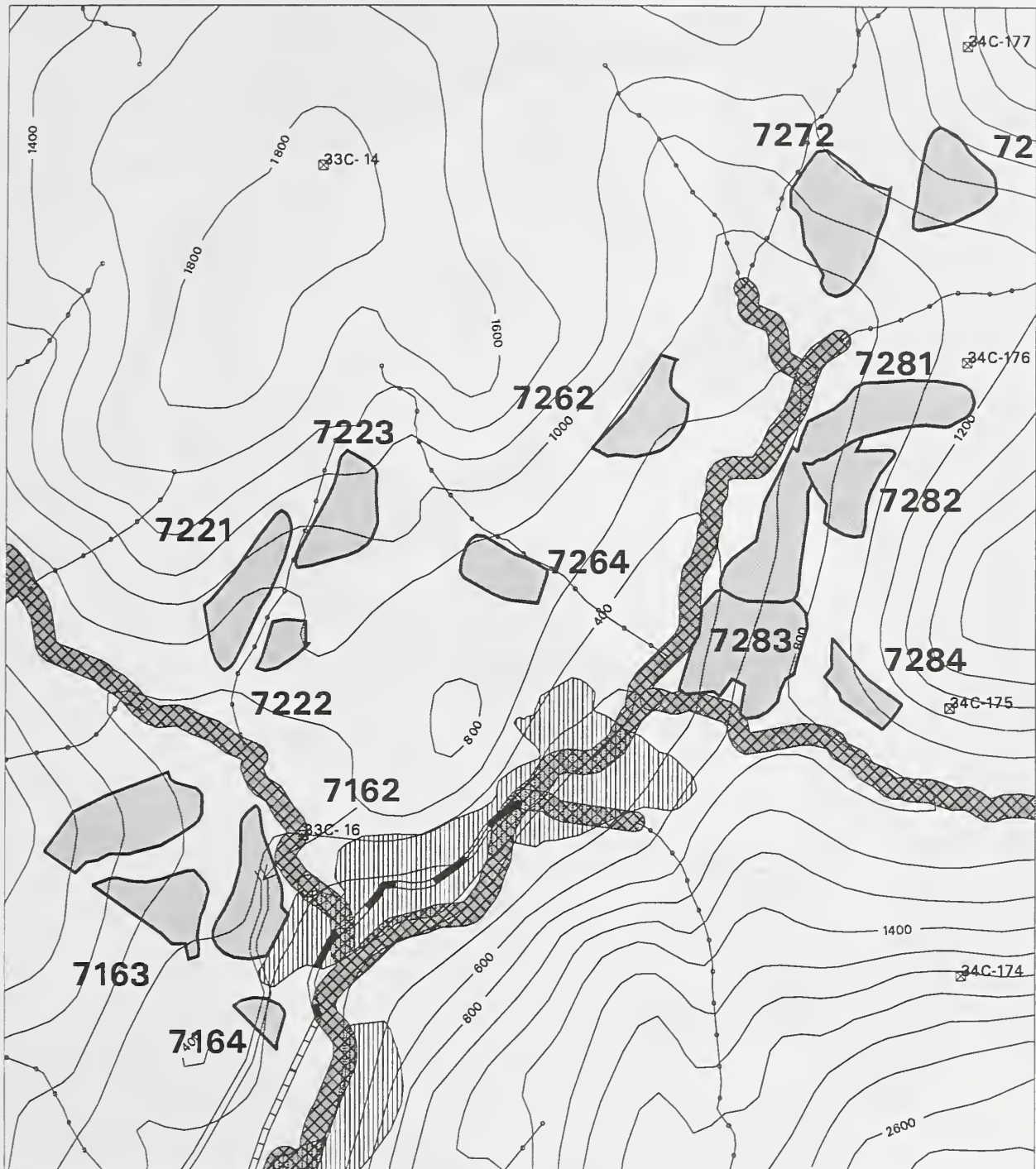
- HARVEST UNITS 
- SETTING BOUNDARY 
- NEW SPEC. ROAD 
- TEMPORARY ROAD 
- EXISTING SPEC. ROAD 
- CLASS III STREAM 

- PHOTO POINT 
- EAGLE TREE 
- EXISTING CLEARCUTS 
- SALTWATER AND LAKES 
- CLASS I & II STREAM BUFFER 

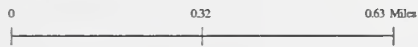


# NORTHWEST BARANOF PROJECT HARVEST UNITS







Sale area : 5 Noxon Creek








200 FT CONTOUR INTERVAL



MAPSCALE 1:20000

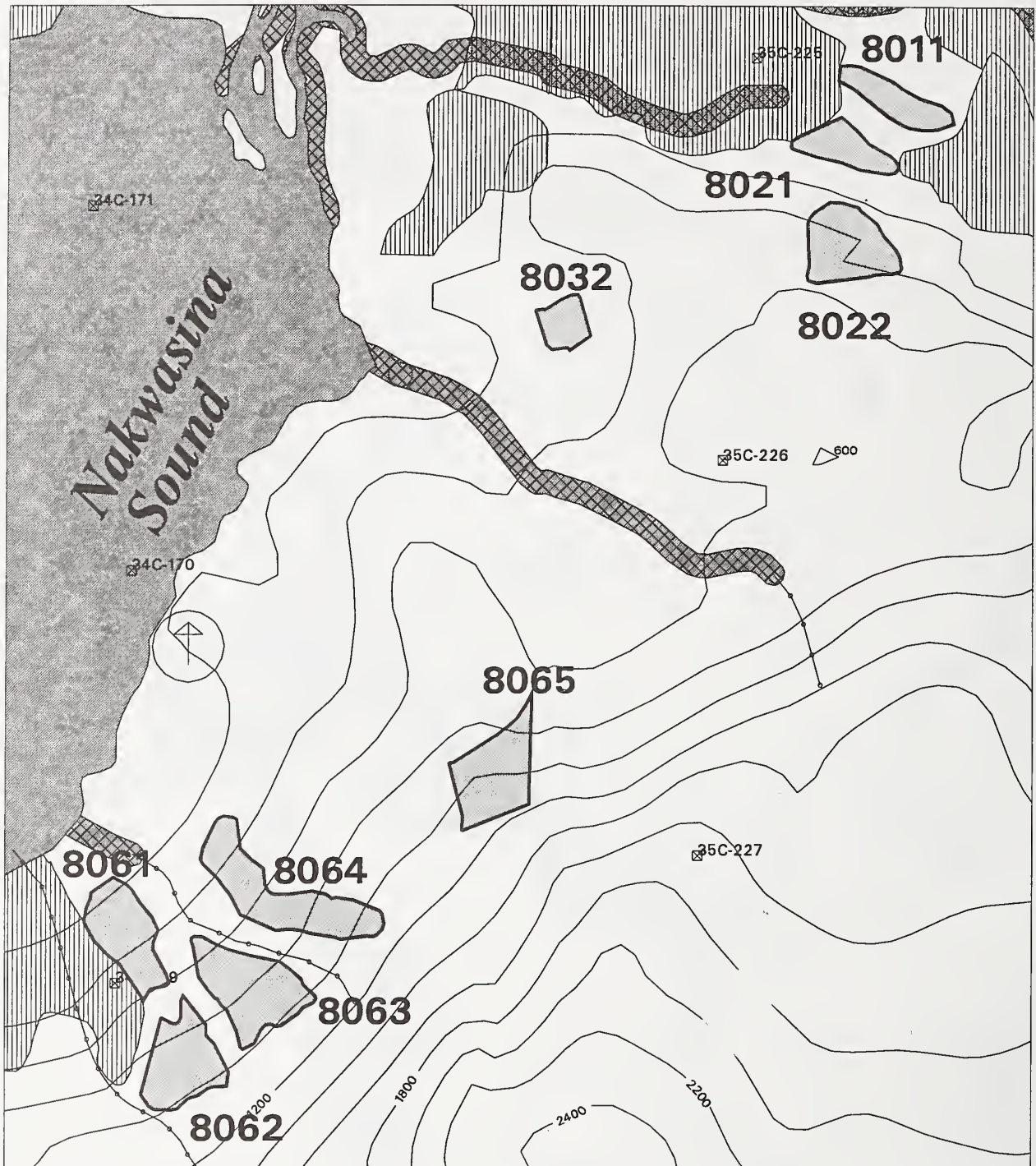
- HARVEST UNITS 
- SETTING BOUNDARY 
- NEW SPEC. ROAD 
- TEMPORARY ROAD 
- EXISTING SPEC. ROAD 
- CLASS III STREAM 

- PHOTO POINT 
- EAGLE TREE 
- EXISTING CLEARCUTS 
- SALTWATER AND LAKES 
- CLASS I & II STREAM BUFFER 

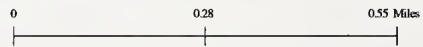


# NORTHWEST BARANOF PROJECT HARVEST UNITS







Sale area : 6 Nakwasina Sound








200 FT CONTOUR INTERVAL



MAPSCALE 1:17500

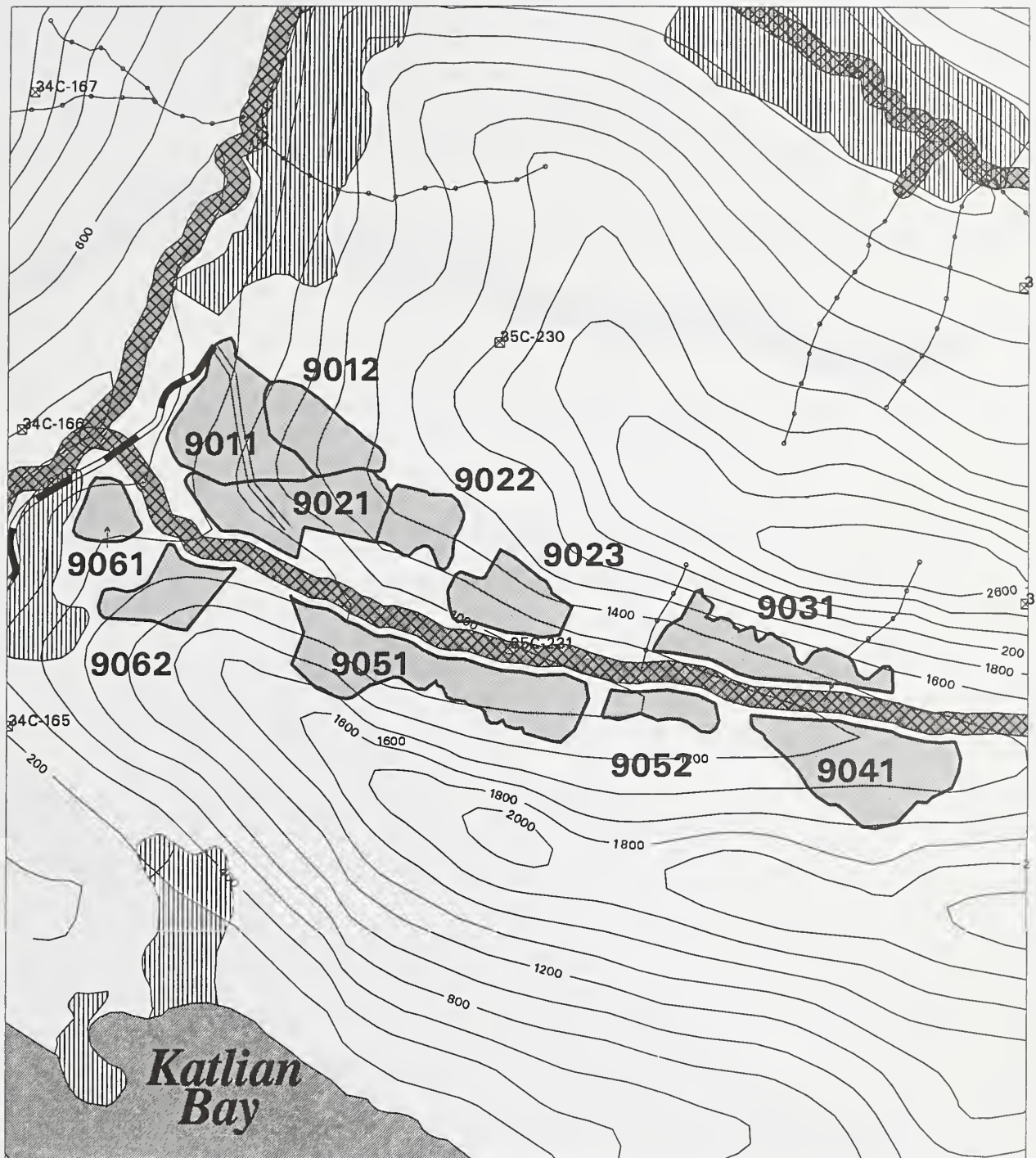
- HARVEST UNITS 
- SETTING BOUNDARY 
- NEW SPEC. ROAD 
- TEMPORARY ROAD 
- EXISTING SPEC. ROAD 
- CLASS III STREAM 

- PHOTO POINT 
- EAGLE TREE 
- EXISTING CLEARCUTS 
- SALTWATER AND LAKES 
- CLASS I & II STREAM BUFFER 

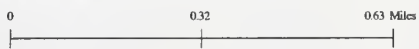


# NORTHWEST BARANOF PROJECT HARVEST UNITS

Sale area : 7 Lisa Creek



200 FT CONTOUR INTERVAL



MAPSCALE 1:20000

HARVEST UNITS



SETTING BOUNDARY



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



CLASS III STREAM



PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 291    UNIT NUMBER: 1061    QUAD(s): SITC5SE  
 ACRES: 60    VOLUME: 1734 MBF    HARVEST VOLUME: 347 MBF  
 HARVEST PRESCRIPTION: Group Selection    PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



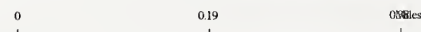
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

H HELICOPTER

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1061	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Protect soils where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Full Suspension Required, soils, Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: Soils REMARKS: Request soil scientist presence during layout to determine location of group selections. Unit contains oversteepened and unstable soils.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: An unmapped channel bisects NE half of unit. Mark with green/white flagging, and protect with 13.3, category C designation.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

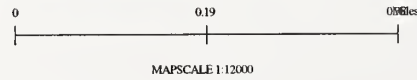
VCU: 291      UNIT NUMBER: 1065      QUAD(s): SITC5SE  
 ACRES: 8      VOLUME: 239 MBF      HARVEST VOLUME: 203 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD 1700
- SHORELINE - - - - -
- CLASS III STREAM ○ ○ ○ ○ ○



- PHOTO POINT ⊠
- EAGLE TREE ⬆
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ⊠

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1065	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, silvicultural diagnosis for treatment is low canopy retention, Protect regeneration where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, no road access planned
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None REMARKS: Unit contains oversteepened and unstable soils; ensure cliffy areas are avoided during layout; necessary full suspension will be provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Two unmapped streams flow in v-notches from the lower unit boundary into the adjacent clearcut. The area is mapped as having a high soil mass movement hazard. Mark with orange/white flagging, and protect with 13.3, category B designation.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

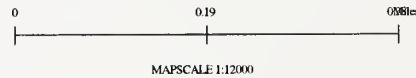
VCU: 291      UNIT NUMBER: 1071      QUAD(s): SITC5SE  
 ACRES: 24      VOLUME: 697 MBF      HARVEST VOLUME: 593 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1071

VCU: 291

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry and mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, no road access planned

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None needed  
 REMARKS: Wet soils are present; Full suspension provided by helicopter logging will protect soils

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Place SW and NE unit boundaries on stable sideslopes, above slope break, and maintain a vegetative filter strip between unit and the Class III, HC6 channels as per BMP 13.16. These channels should be protected with BMP 13.3, category B designation.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

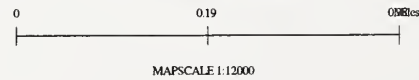
VCU: 291      UNIT NUMBER: 1072      QUAD(s): SITC5SE  
 ACRES: 14      VOLUME: 358 MBF      HARVEST VOLUME: 286 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — 4 —
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD ——— 1700 ———
- TEMPORARY ROAD =====
- EXISTING SPEC. ROAD ——— 1700 ———
- SHORELINE - - - - -
- CLASS III STREAM ○—○—○—○—○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ⊠

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

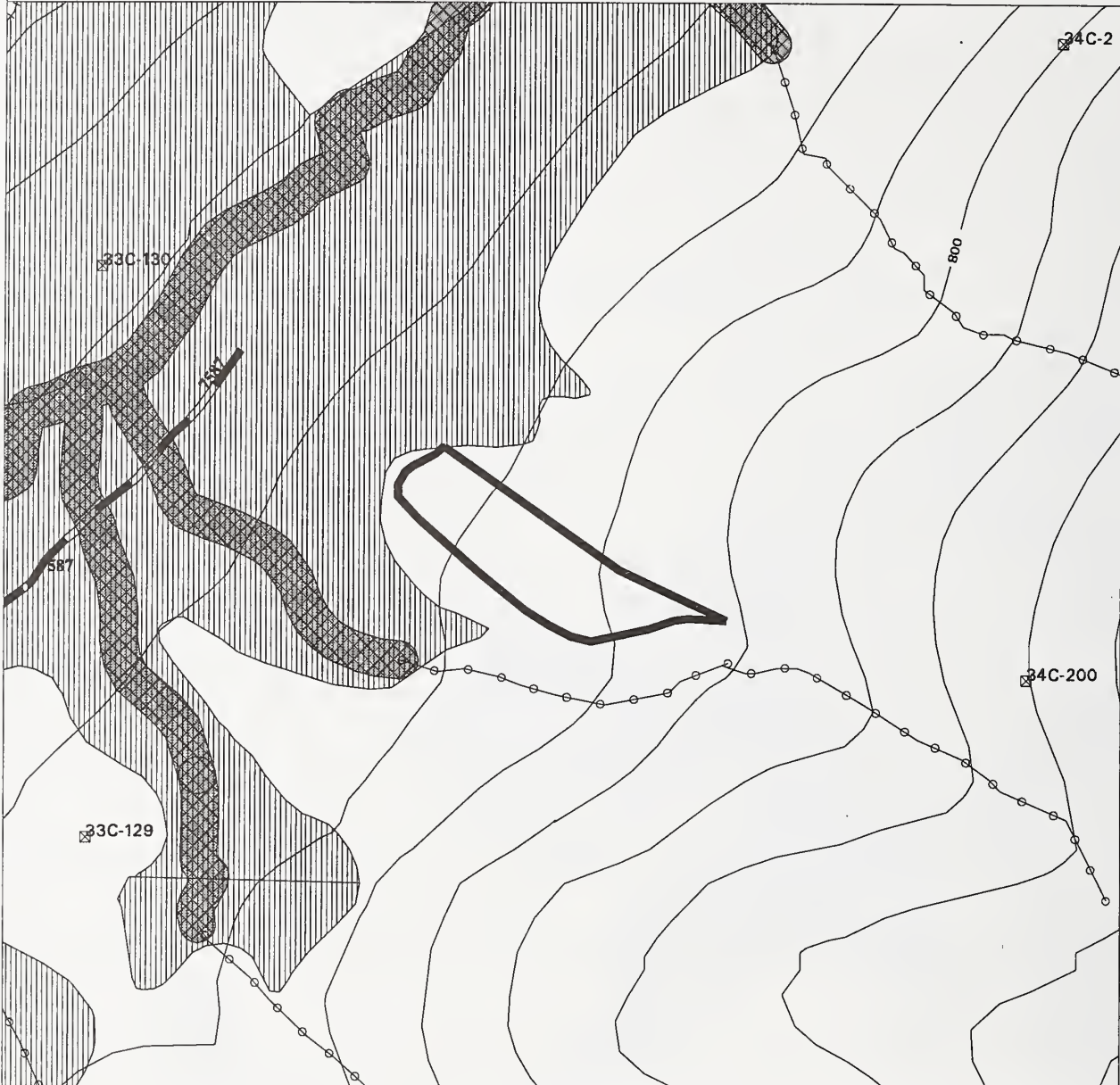
UNIT: 1072	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect regeneration where possible, Protect soils where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, no road access planned, Soils Concerns, Mark leave trees to protect V-notches and steep pitches
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Unit looks OK; oversteepened, unstable areas already deleted.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Place SW and NE unit boundaries on stable sideslopes, above slope break, and maintain a vegetative filter strip between unit and the Class III, HC6 channels as per BMP 13.16. These channels should be protected with BMP 13.3, category "B" designation.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

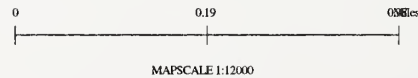
VCU: 291      UNIT NUMBER: 1131      QUAD(s): SITC5SE  
 ACRES: 18      VOLUME: 491 MBF      HARVEST VOLUME: 417 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1131	VCU: 291	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed		
REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect regeneration where possible, Protect soils where possible.		
{ TIMBER }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: Helicopter Yarding Required		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: R.Huecker
SPECIALISTS NEEDED: None Needed		
REMARKS: Ensure that unit boundary is above slope break of large notches that form boundary; recommend at least partial suspension with full suspension over notches; adjust south boundary if unable to provide full suspension over heavily dissected slopes		
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: No concerns as planned.		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed		
REMARKS: See Fisheries For Remarks		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292    UNIT NUMBER: 1144    QUAD(s): SITC4SW  
 ACRES: 11    VOLUME: 287 MBF    HARVEST VOLUME: 229 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



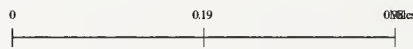
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

X

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



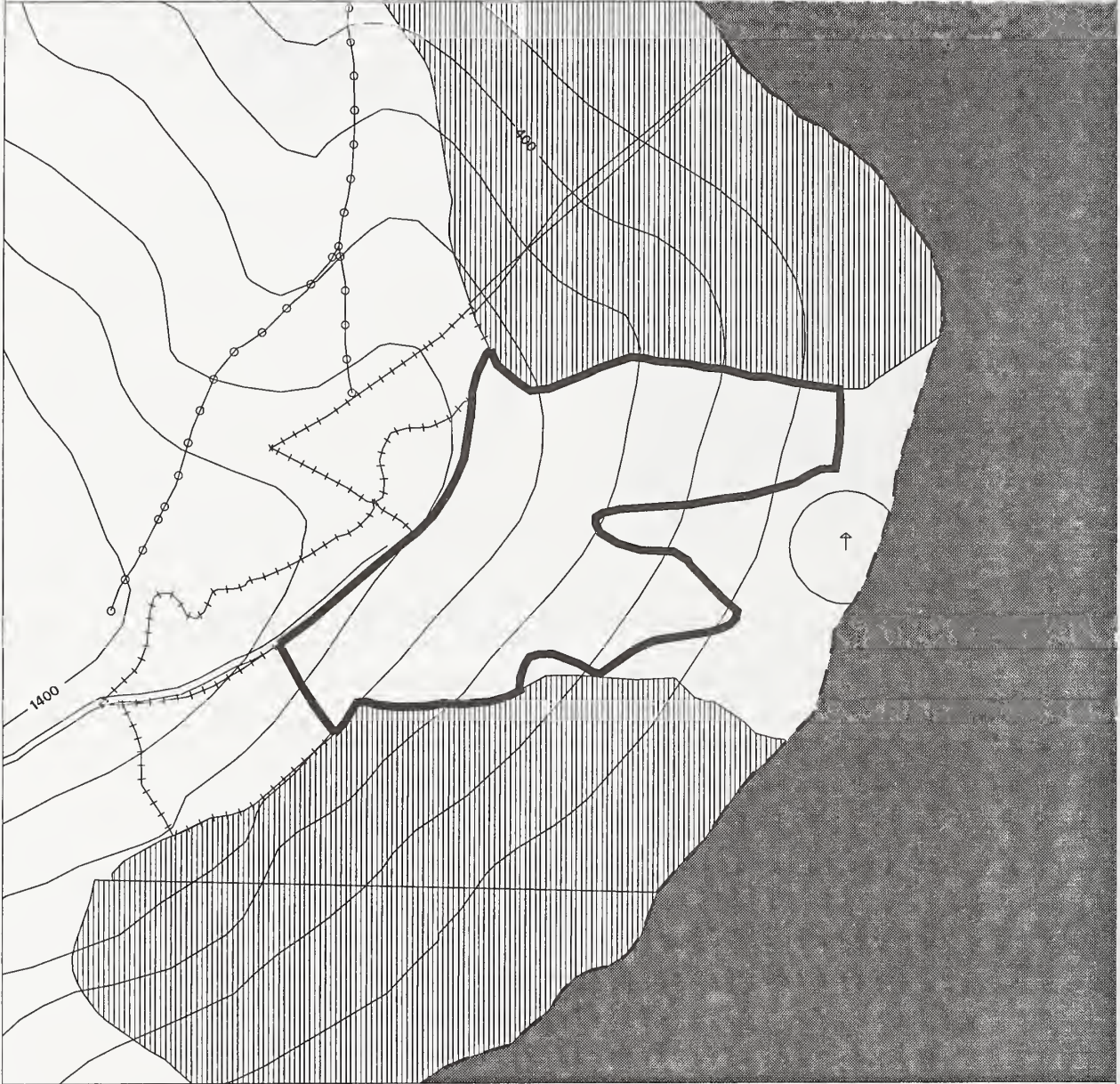
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1144		VCU: 291/292	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Silvicultural diagnosis for treatment is low canopy retention, Plant association is Western hemlock/blueberry/skunk cabbage, Consider overstory removal.			
{ TIMBER }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: None Needed			
REMARKS: Uneconomical for road access, out of feasible helicopter range			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: Soils			
REMARKS: Unit appears to have stability problems; request soil scientist presence during layout.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: No concerns.			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

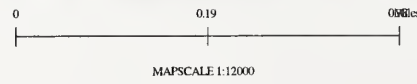
VCU: 292    UNIT NUMBER: 1145    QUAD(s): SITC4SW  
 ACRES: 83    VOLUME: 2447 MBF    HARVEST VOLUME: 2080 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY —| 4 |—
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD —| 1700 |—
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD —| 1700 |—
- SHORELINE - - - - -
- CLASS III STREAM ○—○—○



- PHOTO POINT ⊠
- EAGLE TREE ⊠
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▩

LOGGING SYSTEMS:

X



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1145

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry/skunk cabbage,  
 Silvicultural diagnosis for treatment is low canopy retention, Consider  
 replanting, Consider seed tree cut for cedar regen.

{ TIMBER } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, planned road access is uneconomical

{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns

{ SOILS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: Soils  
 REMARKS: This unit has not been field reviewed; recommend presence of a soil  
 scientist during layout

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Locate lower unit boundary above deeply incised v-notches along NE  
 side of proposed unit (BMP 13.16).

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for unit 1145 No sites identified.

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292      UNIT NUMBER: 1146      QUAD(s): SITC4SW  
 ACRES: 15      VOLUME: 420 MBF      HARVEST VOLUME: 399 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

<p>SETTING BOUNDARY  4</p> <p>UNIT BOUNDARY </p> <p>ADJACENT UNIT </p> <p>NEW SPEC. ROAD </p> <p>TEMPORARY ROAD </p> <p>EXISTING SPEC. ROAD </p> <p>SHORELINE </p> <p>CLASS III STREAM </p>	<p style="text-align: center;">0      0.19      0.38 Miles</p> <p style="text-align: center;">MAPSCALE 1:12000</p> <p>PHOTO POINT </p> <p>EAGLE TREE </p> <p>EXISTING CLEARCUTS </p> <p>SALTWATER AND LAKES </p> <p>CLASS I &amp; II STREAM BUFFER </p>	<p>LOGGING SYSTEMS:</p> <p style="text-align: center;">X</p>
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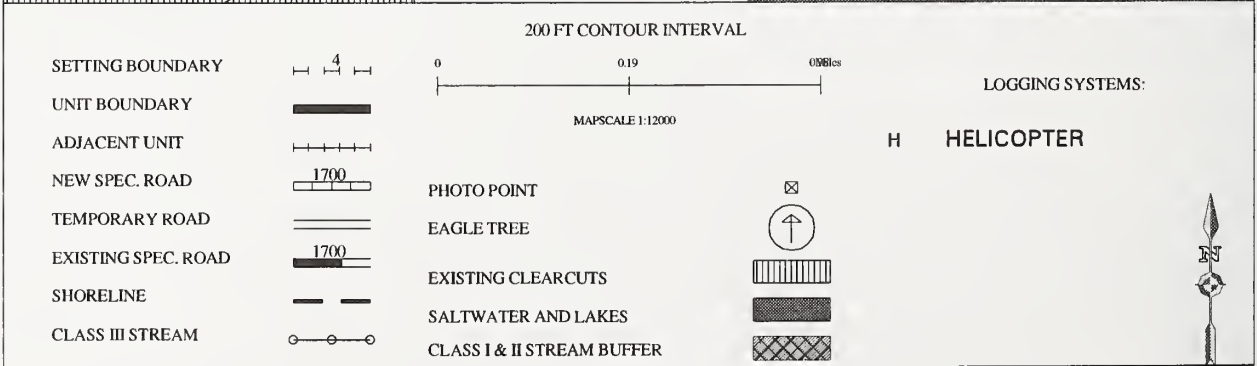
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1146	VCU: 292
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: The plant association is Western hemlock/blueberry/shield-fern and mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER } FIELD REVIEWED: No REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, planned road access is uneconomical</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: No concernstemporary spur road drainage structures will be removed and road bed seeded after harvest</p>	
<p>{ SOILS } FIELD REVIEWED: No REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: Soils          REMARKS: Unit appears to contain old slides but it hasn't been field reviewed; request presence of a soil scientist during layout.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292      UNIT NUMBER: 1147      QUAD(s): SITC4SW  
 ACRES: 17      VOLUME: 493 MBF      HARVEST VOLUME: 99 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1147		VCU: 292	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: Soils			
REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: A.Brizinski	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, planned road access is uneconomical			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: None Needed			
REMARKS: No concernstemporary spur road drainage structures will be removed and road bed seeded after harvest			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: A.B.	
SPECIALISTS NEEDED: Soils			
REMARKS: Unit is dissected and contains slides/slumps and some wet soils; request soil scientist be present during layout to assist in determining where group selections will be made.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns.			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 291    UNIT NUMBER: 1171    QUAD(s): SITB5NE  
 ACRES: 30    VOLUME: 857 MBF    HARVEST VOLUME: 729 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



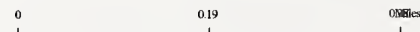
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

**H** HELICOPTER

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1171	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils if possible, Consider seed tree cut for cedar regen.
{ TIMBER }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: None Provided
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Unit dissected; recommend directional falling away from notches; full suspension over notches will be provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light to verify extent of fish habitat on unmapped channel at base of unit. REMARKS: Fish habitat may reach the lower unit boundary on a stream that flows out of the NW corner. Mark any fish stream with blue/white flagging, and protect with BMP's 12.6, and 13.3, category "A". Mark the Class III streams along the SW boundary with orange/white flagging and protect with BMP 13.3, category "B" designation. The mapped Class III, HC6 channel that flows adjacent to the upper third of this unit has a sideslope mass wasting hazard, and requires a stream buffer as per BMP's 12.6a and 13.16. Within 100' of the stream, all non-merchantable trees should be left standing. Selected merchantable trees may be felled and removed if the immediate sideslope is stable, and there is a vegetative filter strip between the tree and the stream.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

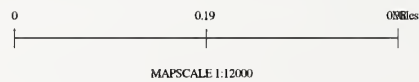
VCU: 291      UNIT NUMBER: 1172      QUAD(s): SITB5NE  
 ACRES: 48      VOLUME: 1394 MBF      HARVEST VOLUME: 1185 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 1172</b>	<b>VCU: 291</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, no road access planned</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Unit is dissected; recommend directional falling away from notches; full suspension over notches will be provided by helicopter logging.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light to verify extent of fish habitat on unmapped channels along boundary at the base of the unit.          REMARKS: Fish habitat may reach the lower unit boundary, particularly on an alluvial fan channel that flows from the NW corner. Mark any fish streams with blue/white flagging and protect per BMP 12.6 and 13.3, category "A". Mark the Class III, HC6 channel along the NE boundary with orange/white flagging and protect with BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1173		VCU: 291	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils if possible, Consider seed tree cut for cedar regen.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, no road access planned			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn	
SPECIALISTS NEEDED: None Needed			
REMARKS: Unit contains v-notches; recommend directional falling away from notches; full suspension will be provided over notches by helicopter logging.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: B.Light to flag Class I and II fish habitat on NW end.			
REMARKS: The streams along NW and N boundaries may have fish habitat adjacent to the unit. Mark fish habitat with blue/white flagging, and protect per BMP's 12.6 and 13.3, category "A". Place west and south boundaries at or above the slope break of the Class III, HC6 channel to avoid soils mapped for extreme mass movement hazard. Protect same channel with BMP 13.3, category "B" designation. Mark the unmapped channel along the NE boundary with orange/white flagging (wherever not marked as fish habitat), and protect with BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

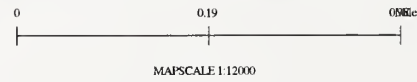
VCU: 291      UNIT NUMBER: 1211      QUAD(s): SITB5NE  
 ACRES: 6      VOLUME: 170 MBF      HARVEST VOLUME: 144 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1211

VCU: 291

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Consider moving  
 lower boundary uphill in areas of sparse/low volume.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, no road access planned

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Part of unit adjacent to stream has been deleted; remainder of unit  
 contains an old slide and contains blowdown; full suspension will be provided  
 by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: B.Light  
 REMARKS: Unit is in 5220B SMU, bordered by unmapped fish streams on SE and SW  
 sides. Nearly half of unit (5.9 acres) is in mapped riparian area, and is  
 likely to contain additional unmapped fish habitat. Class I and II fish  
 streams should be marked with blue/white flagging, and protected with a  
 minimum 100' buffer as per BMP12.6 and BMP 13.3, category "B" stream course.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouder Kirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

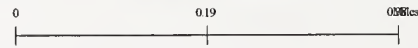
VCU: 291    UNIT NUMBER: 1221    QUAD(S): SITB5NE  
 ACRES: 32    VOLUME: 936 MBF    HARVEST VOLUME: 795 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY ┌ 4 ─┐
- UNIT BOUNDARY ▬
- ADJACENT UNIT ┌───┐
- NEW SPEC. ROAD ┌ 1700 ─┐
- TEMPORARY ROAD ▬▬▬
- EXISTING SPEC. ROAD ▬ 1700 ─
- SHORELINE - - -
- CLASS III STREAM ○-○-○



MAPSCALE 1:12000

- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨▨▨
- SALTWATER AND LAKES ▩
- CLASS I & II STREAM BUFFER ▧

LOGGING SYSTEMS:

**H** HELICOPTER



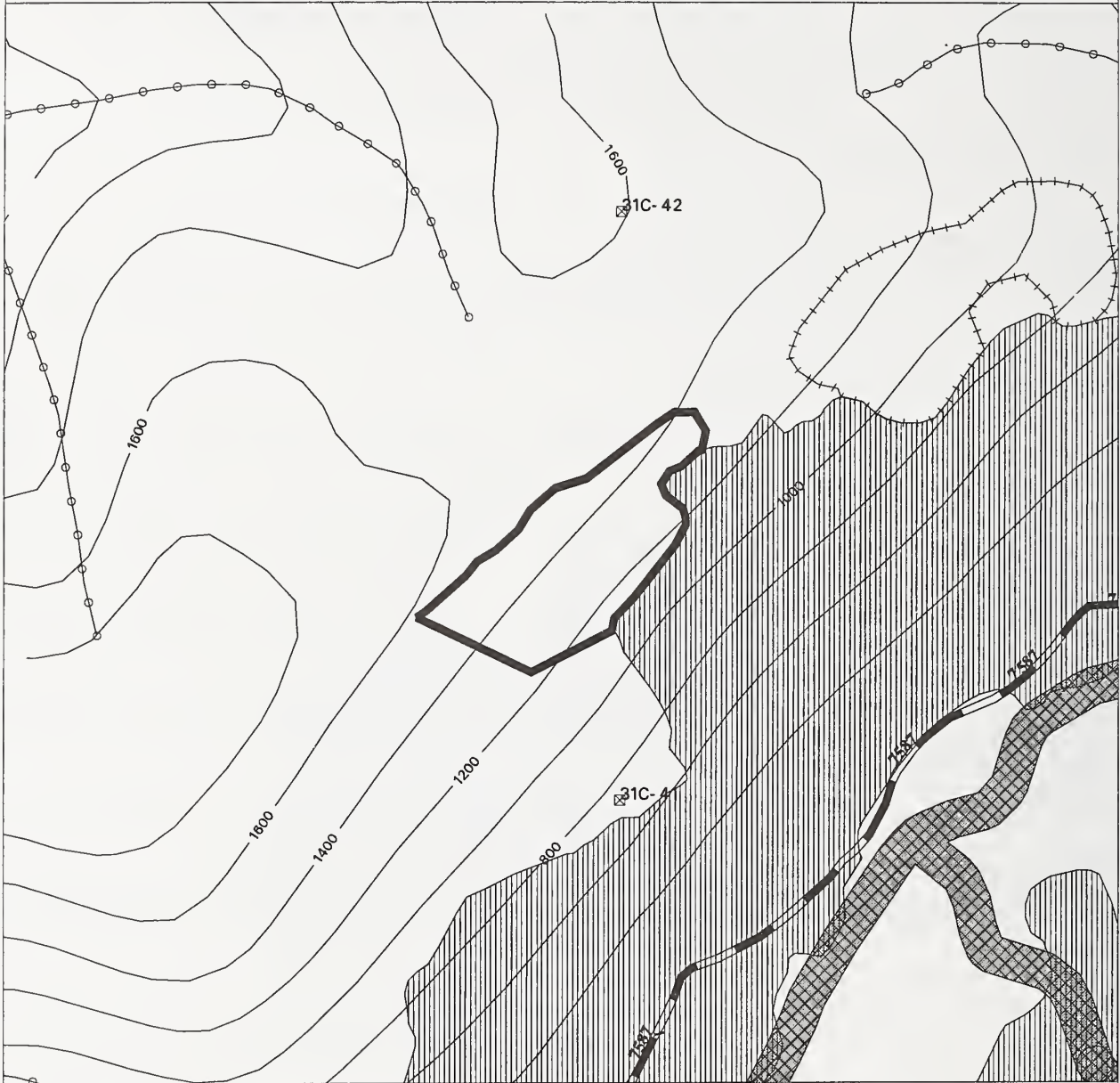
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1221	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is western hemlock/blueberry and western hemlock-Alaska cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect regeneration where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, soils concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Unit is dissected by notches and is somewhat wet; recommend directional falling away from notches; full suspension over notches and wet soils will be provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No fisheries concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

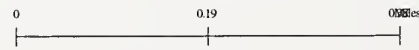
VCU: 291      UNIT NUMBER: 1231      QUAD(s): SITB5NE  
 ACRES: 26      VOLUME: 757 MBF      HARVEST VOLUME: 530 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY | | 4 | |
- UNIT BOUNDARY —————
- ADJACENT UNIT | | | | |
- NEW SPEC. ROAD | | 1700 | |
- TEMPORARY ROAD | | | | |
- EXISTING SPEC. ROAD | | 1700 | |
- SHORELINE - - - - -
- CLASS III STREAM ○ - ○ - ○ - ○



MAPSCALE 1:12000

- PHOTO POINT X
- EAGLE TREE ⊕
- EXISTING CLEARCUTS | | | | |
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▨

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 1231	<b>VCU:</b> 291
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan  SPECIALISTS NEEDED: None Needed  REMARKS: Plant association is western hemlock/blueberry and mountain hemlock/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Visual considerations should dictate treatment, Topography broken, rocky.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker  SPECIALISTS NEEDED: None Needed  REMARKS: Helicopter Yarding Required, soils concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell  SPECIALISTS NEEDED: None Needed  REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker  SPECIALISTS NEEDED: None Needed  REMARKS: Unit contains oversteepened and some unstable slopes; cliffs are present near the backline and blowdown is common; during layout, recommend ensuring that backline is below cliffs; directionally fall trees away from notches, especially the large one near center of unit; remove any debris introduced into notches; full suspension to protect soils will be provided by helicopter logging.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz  SPECIALISTS NEEDED: None Needed  REMARKS: No Fisheries concerns</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries  SPECIALISTS NEEDED: None Needed  REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann  SPECIALISTS NEEDED: None Needed  REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk  SPECIALISTS NEEDED: None Needed  REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn  SPECIALISTS NEEDED: None Needed  REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron  SPECIALISTS NEEDED: None Needed  REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

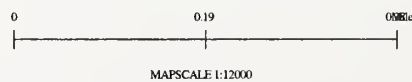
VCU: 291      UNIT NUMBER: 1251      QUAD(s): SITB5NE  
 ACRES: 33      VOLUME: 979 MBF      HARVEST VOLUME: 930 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1251	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Soils are wet in places. Regeneration will be slow in wetter swales.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Partial suspension required for soils protection, Helicopter Yarding Required, for soils concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Ensure full suspension or helicopter to protect v-notches, wet areas, and shallow soils; remove any debris introduced into notches
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Place south unit boundary at or above slope break of Class III, HC6 channel. The unmapped channel on the north boundary should be marked with orange/white flagging and protected as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 291      UNIT NUMBER: 1252      QUAD(s): SITB5NE  
 ACRES: 43      VOLUME: 1282 MBF      HARVEST VOLUME: 1090 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



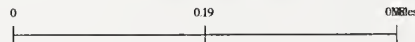
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

H HELICOPTER

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1252	VCU: 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils if possible, Consider seed tree cut for cedar regen.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, soils concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Ensure full suspension or helicopter to protect v-notches, wet areas, and shallow soils; remove any debris introduced into notches
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light to verify presence of unmapped fish streams. REMARKS: 5220B SMU along west boundary of unit contains 2.0 acres of mapped riparian habitat. There are several small, unmapped channels emerging from the unit that may contain CI or II fish habitat. CI and II streams should be marked in blue/white flagging and protected as per BMP 12.6 and BMP 13.3, category "A". Place south unit boundary at or above the slope break of Class III, HC6 channel. The unmapped channel on the north boundary should be marked with orange/white flagging and protected as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

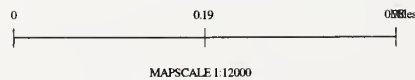
VCU: 291      UNIT NUMBER: 1271      QUAD(s): SITB5NE  
 ACRES: 21      VOLUME: 599 MBF      HARVEST VOLUME: 479 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 1271

VCU: 291

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Protect soils  
 if possible, Consider overstory removal.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, soils concerns, no road access

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit is dissected and contains wet soils; recommend directional  
 falling away from notches; full suspension over notches and wet soils will be  
 provided by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No fisheries concerns for this unit.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

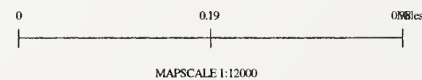
VCU: 291      UNIT NUMBER: 1275      QUAD(s): SITB5NE  
 ACRES: 41      VOLUME: 1172 MBF      HARVEST VOLUME: 234 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY 0
- ADJACENT UNIT 0.19
- NEW SPEC. ROAD 0.61 miles
- TEMPORARY ROAD 1700
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**H** HELICOPTER

- PHOTO POINT ☒
- EAGLE TREE ⬆
- EXISTING CLEARCUTS ▤
- SALTWATER AND LAKES ▨
- CLASS I & II STREAM BUFFER ▩



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 1275	<b>VCU:</b> 291
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed	
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Protect soils if possible, Consider group selection, make groups 2 acres or smaller.	
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton
SPECIALISTS NEEDED: None Needed	
REMARKS: Helicopter Yarding Required, no road access	
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed	
REMARKS: No Concerns	
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton
SPECIALISTS NEEDED: None Needed	
REMARKS: The worst part of this unit was deleted; recommend that group selections be located to minimize impact to v-notches; full suspension will be provided by helicopter logging.	
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: B.Light to verify presence of unmapped fish streams.	
REMARKS: Unit contains 4.3 acres of mapped riparian habitat within a 5220B SMU along proposed west boundary. There are several small, unmapped channels that may contain CI or II fish habitat that protrude into planned unit. CI and II streams should be marked in blue/white flagging and protected as per BMP 12.6 and BMP 13.3, category "A". Maintain a minimum 100' buffer from CII, AF2 channels at the NW and W unit boundaries. Place north and south unit boundaries at or above the slope break of Class III HC6 channels.	
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed	
REMARKS: See Fisheries For Remarks	
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed	
REMARKS: Pending	
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed	
REMARKS: Within visual quality objective	
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed	
REMARKS: No specific concerns	
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed	
REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

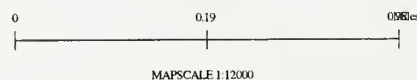
VCU: 289      UNIT NUMBER: 2042      QUAD(s): SITB5NW  
 ACRES: 19      VOLUME: 479 MBF      HARVEST VOLUME: 455 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 2042	VCU: 289
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, no road access planned
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light verify extent of fish habitat. REMARKS: Unmapped streams that flow out of the north and east unit corners may have fish habitat that reaches the unit, particularly the far northern tip. Mark fish streams with blue/white flagging and protect as per BMP 12.6a and 12.6. Class III habitat on the stream that borders the west boundary should be protected as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

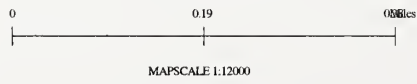
VCU: 289    UNIT NUMBER: 2043    QUAD(s): SITB5NW  
 ACRES: 68    VOLUME: 1716 MBF    HARVEST VOLUME: 1630 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:  
**H HELICOPTER**





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 2043

VCU: 289

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is mixed conifer/blueberry/skunk cabbage and Western hemlock-yellow cedar/menziesia, Silvicultural diagnosis for treatment is low canopy retention, Consider replanting with cedar, Clearcut with reserves.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, no road access planned, Soils Concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains oversteepened areas, some unstable soils, and cliffs; full suspension will be provided by helicopter logging; ensure cliffs are protected from harvest.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: B.Light verify fish streams, and check TTRA buffers.  
 REMARKS: Class I fish habitat in PA1 channel, and in unmapped channels throughout 3.6 acres of emergent wetland. Protect as per BMP 12.6a and 12.6. Unmapped channel along south boundary has class I and II fish habitat at lower end, and should be protected as per BMP 12.6a and 12.6. Class III habitat upstream should be protected as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

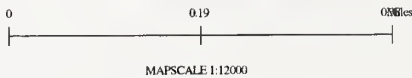
VCU: 292      UNIT NUMBER: 3002      QUAD(s): SITB5NE/SITB4NW  
 ACRES: 24      VOLUME: 688 MBF      HARVEST VOLUME: 654 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

H HELICOPTER

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3002

VCU: 291/292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Sitka spruce/blueberry/skunk cabbage,  
 Silvicultural diagnosis for treatment is low canopy retention, , Clearcut  
 with reserves.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, no road access planned, soils concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains small areas of oversteepened and unstable soil; full  
 suspension will be provided by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3011	<b>VCU:</b> 292
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry/skunk cabbage, Protect soils if possible, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection, make groups 2 acres or smaller.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, Road access uneconomical, Soils Concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend for helicopter or provide full suspension over entire unit; ensure lower boundary is above any oversteepened areas (&gt;75%) if found during layout</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



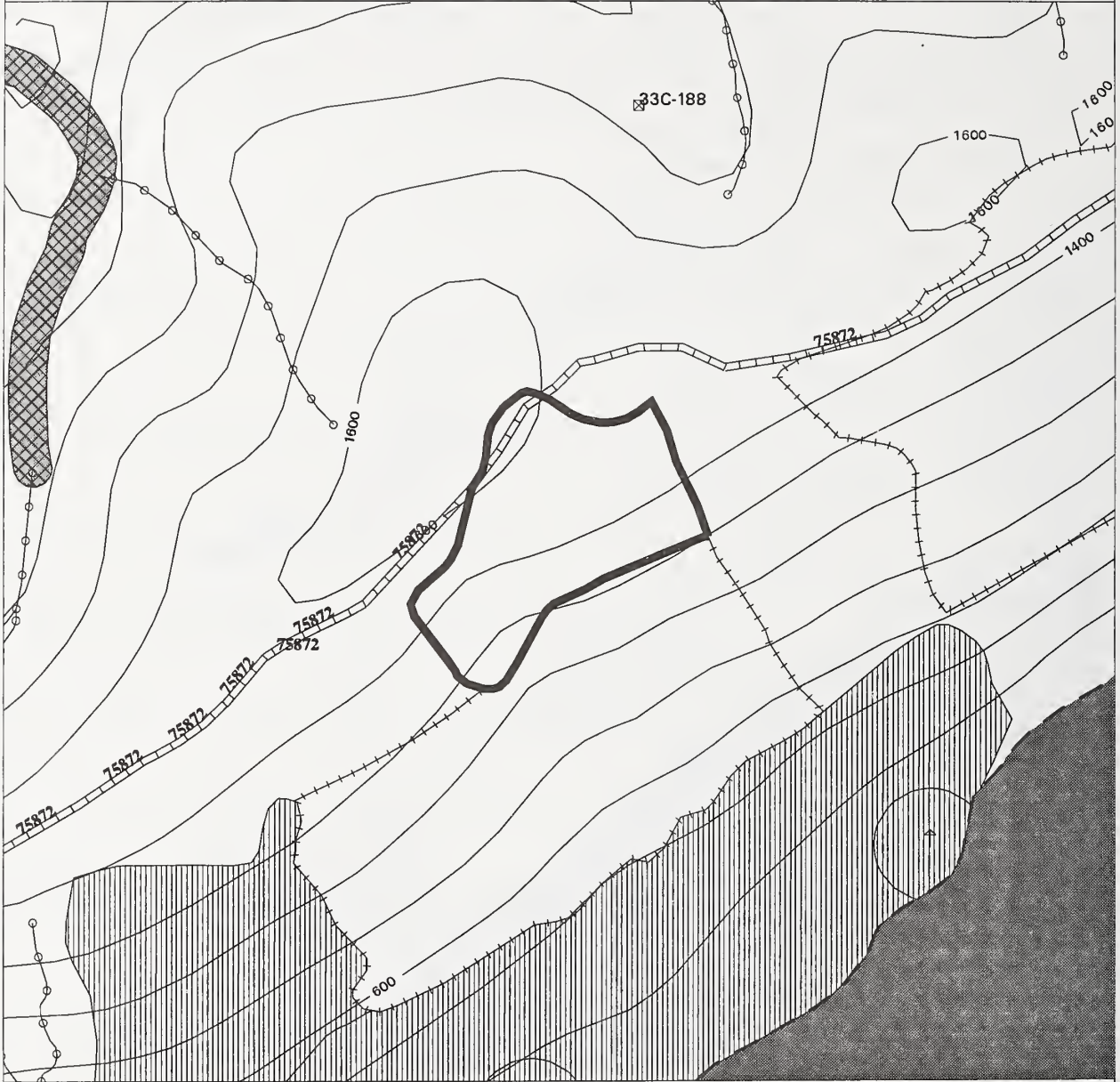
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3012	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Mistletoe infection in and below unit, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: B.Heucker SPECIALISTS NEEDED: None Needed REMARKS: Soils Concerns, no harvest if over 80 % for 100 feet, Helicopter Yarding Required, Road access uneconomical
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Recommend at least partial suspension with full suspension over v-notches; full suspension is preferred
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292    UNIT NUMBER: 3014    QUAD(s): SITB5NE  
 ACRES: 36    VOLUME: 913 MBF    HARVEST VOLUME: 867 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — 4 —
- UNIT BOUNDARY ————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD —— 1700 ——
- TEMPORARY ROAD =====
- EXISTING SPEC. ROAD —— 1700 ——
- SHORELINE - - - - -
- CLASS III STREAM ○ — ○ — ○



MAPSCALE 1:12000

- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▩

LOGGING SYSTEMS:

H HELICOPTER





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3014	VCU: 291/292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils if possible, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Road access is uneconomical, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Remove any debris introduced into large v-notches in center of unit; ensure backline is below area containing old slides; recommend full suspension for entire unit
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: An unmapped, Class III, HC6 channel occurs in the SW corner of the unit. This channel should be flagged in orange/white, and protected as per BMP 13.3, category B. A small, Class III lake near the NE corner of the unit should be given a 100' buffer to protect water quality (BMP 13.16). Selective harvest of some merchantable trees would be appropriate if there is a high risk of blowdown, and a vegetative filter would be left between the lake and harvest area.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

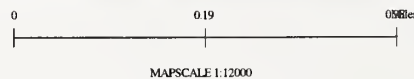
VCU: 292      UNIT NUMBER: 3015      QUAD(S): SITB5NE  
 ACRES: 94      VOLUME: 2725 MBF      HARVEST VOLUME: 545 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3015	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Recommend group selection, with up to 2 acre groups.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Soils Concerns, No harvest on slopes over 75%
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: Soils REMARKS: Unit contains oversteepened slopes, many v-notches, cliffs, wet soils, shallow or rocky soils, and blowdown; recommend ensuring backline is below wet soils; directionally fall trees away from notches and remove any debris introduced into notches; helicopter logging will provide full suspension over hazardous soils but recommend the presence of a soil scientist during layout to help determine where group selections will be made.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Two unmapped Class III, HC6 channels bisect the middle of the unit. These channels should be flagged in orange/white, and protected as per BMP 13.3, category B.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

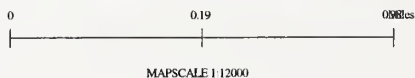
VCU: 292      UNIT NUMBER: 3033      QUAD(s): SITB5NE  
 ACRES: 9      VOLUME: 227 MBF      HARVEST VOLUME: 193 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3033	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut to encourage spruce/cedar regen. Portions of unit have wet soils.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, No Road Access Planned
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Small unstable areas are present; soils will be protected by full suspension provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3041	<b>VCU:</b> 291/292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree for cedar regen.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Soils Concerns, No Road Access Planned
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: This unit contains wet soils on relatively steep slopes; helicopter logging will ensure full suspension over these soils; recommend falling trees away from v-notches and remove any debris introduced into them.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light. Check W boundary for CII streams at layout. REMARKS: 6174B SMU along western base of unit contains swales and rills that may contain CII fish habitat. Mark any CII streams with Blue/white striped flagging and protect as per BMP 12.6, and BMP 13.3 category "A" stream course.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3043		VCU: 292	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention. Protect regeneration and soils if possible, Consider seed tree cut for cedar regen.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, Road access is uneconomical, Soils concerns			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: R.Huecker	
SPECIALISTS NEEDED: None Needed			
REMARKS: Recommend full suspension for entire unit			
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: Unmapped Class III stream in center of unit should be marked in orange/white flagging and protected as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

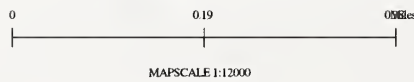
VCU: 292    UNIT NUMBER: 3051    QUAD(s): SITB5NE  
 ACRES: 17    VOLUME: 429 MBF    HARVEST VOLUME: 365 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY |—|
- UNIT BOUNDARY ————
- ADJACENT UNIT |—|—|—|
- NEW SPEC. ROAD |—|—|—|
- TEMPORARY ROAD |—|—|—|
- EXISTING SPEC. ROAD |—|—|—|
- SHORELINE - - - -
- CLASS III STREAM ○—○—○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▩

LOGGING SYSTEMS:

- C** CABLE
- H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3051

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is western hemlock-Alaska cedar/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Soils wet in areas.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: B.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Majority of unit is cable, helicopter yarding subdivision on small portion adjacent to Unit 3052, Soils Concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS:

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Ensure unit boundary along north side excludes wet, highly dissected soils; splityard on notch in center of unit; full suspension recommended for center of unit and over notches in southern portion.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3052	<b>VCU:</b> 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider replanting.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Recommend at least partial suspension with full suspension over notches
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

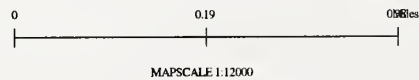
VCU: 292      UNIT NUMBER: 3053      QUAD(s): SITB5NE  
 ACRES: 15      VOLUME: 379 MBF      HARVEST VOLUME: 360 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**c CABLE**

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 3053</b>	<b>VCU: 292</b>
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Partial suspension required for soils protection, , 1,, Profiles run from Landing , 1</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Ensure backline is below oversteepened, cliffy slopes; recommend full suspension over notches and at least partial suspension elsewhere.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz/B.Light          SPECIALISTS NEEDED: B.Light review of TTRA buffer layout.          REMARKS: Class II stream in SE corner of unit should be marked in blue/white flagging, and protected as per BMP 12.6, 12.6a, and 13.3, category "A".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }          FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }          FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

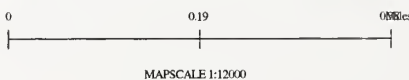
VCU: 292      UNIT NUMBER: 3054      QUAD(s): SITB5NE  
 ACRES: 47      VOLUME: 1186 MBF      HARVEST VOLUME: 1127 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM

200 FT CONTOUR INTERVAL



LOGGING SYSTEMS:

**C CABLE**

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3054	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Protect regeneration where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Profiles run from Landing , 1,2,, Partial Suspension attained
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None needed REMARKS: Unit contains cliffs and oversteepened areas; ensure cliffy areas are protected from harvest; recommend full suspension on slopes steeper than 70 percent and at least partial suspension elsewhere to protect soils.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz/B.Light SPECIALISTS NEEDED: B.Light review of TTRA buffer layout. REMARKS: The lower unit boundary and the lower 1/4 of the NE and SW side boundaries are within 100' of Class I fish streams. The streams include the main FP3 channel of Adams Creek, and several small unmapped channels on mixed wetland habitat. The fish streams should be marked with blue/white flagging and protected as per BMP 12.6 a, 12.6, and 13.3, "A". Steep areas that are perched above fish habitat may need a wider buffer than normal due to the high soil mass movement hazard. Tailhold trees should not be removed from the buffer if felled to comply with OSHA standards. Stream buffers will result in a reduction of several acres from the proposed unit.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

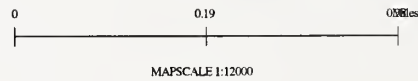
VCU: 292      UNIT NUMBER: 3055      QUAD(s): SITB5NE  
 ACRES: 22      VOLUME: 555 MBF      HARVEST VOLUME: 527 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY I I 4 I I
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD ▭ 1700 ▭
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD ▬ 1700 ▬
- SHORELINE - - - - -
- CLASS III STREAM ○ ○ ○ ○ ○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ▩
- CLASS I & II STREAM BUFFER ▧

LOGGING SYSTEMS:

**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3055

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Protect  
 regeneration where possible.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Profiles run from Landing , 1, Partial Suspension attained

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit dissected and has some oversteepened areas; recommend full  
 suspension for entire unit; recommend directional falling away from v-notches.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz/B.Light  
 SPECIALISTS NEEDED: Fish Biologist review of layout.  
 REMARKS: Several Class I and II streams occur in the lower half of the unit  
 below the planned road. A Class I, AF1 channel flows along most of the lower  
 boundary. Three unmapped Class II tributaries flow from the unit to the AF1  
 channel. Approximately half of this unit is within a TTRA buffer, and must be  
 dropped.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

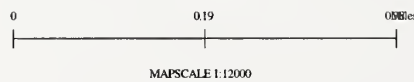
VCU: 292      UNIT NUMBER: 3061      QUAD(s): SITB5NE  
 ACRES: 14      VOLUME: 353 MBF      HARVEST VOLUME: 71 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 3061</b>	<b>VCU: 292</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/menziesia. ,          Silvicultural diagnosis for treatment is high canopy retention, Consider group          selection with small groups. Soils rocky, shallow in spots. Upper unit very          steep.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Soils Concerns, Helicopter Yarding Required, Group Selection</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: Soils          REMARKS: Unit contains oversteepened areas, slide/slumps, and v-notches; full          suspension will be provided by helicopter logging; recommend a soil scientist          be present during layout to help determine location of group selections to          minimize damage to soils.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light verify class of stream in SE corner.          REMARKS: Mark unmapped stream that splits northern 1/3 of unit with          orange/white flagging and protect as per BMP 13.3, category "B". An unmapped          stream along the S boundary turns into a fish stream within the old clearcut          unit to SE of unit 3061. Mark with orange/white flagging along boundary, and          protect as per BMP 13.3, category "B". Maintain minimum 100' stream buffer as          per BMP 12.6 a and 12.6, for any class I or II portions of the stream.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

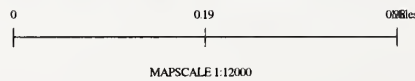
VCU: 292      UNIT NUMBER: 3062      QUAD(s): SITB5NE  
 ACRES: 8      VOLUME: 202 MBF      HARVEST VOLUME: 172 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:  
**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3062

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is western hemlock-Alaska cedar/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Protect regeneration where possible.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Soils Concerns, harvest restricted to less than 75 % slope, cable yard with partial suspension

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Bad areas have been deleted; recommend partial suspension to protect soils.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

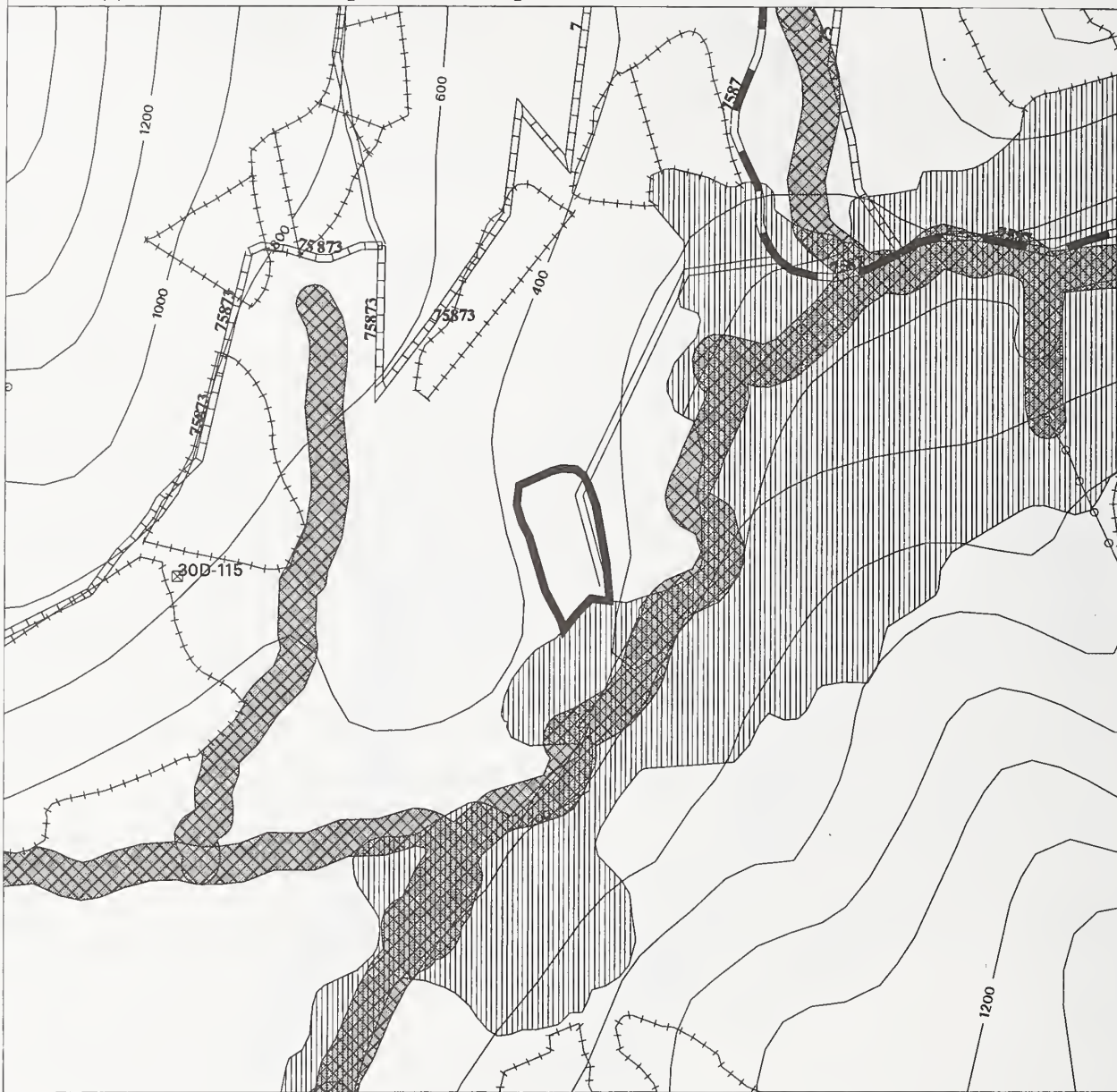
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

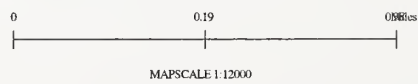
VCU: 292      UNIT NUMBER: 3063      QUAD(s): SITB5NE  
 ACRES: 7      VOLUME: 177 MBF      HARVEST VOLUME: 168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:  
**C CABLE**





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3063	<b>VCU:</b> 292
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is western hemlock-Alaska cedar/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect regeneration where possible, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Soils Concerns, No Profiles run</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Some small areas that are wet or oversteepened or unstable are present; recommend full suspension to protect soils.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }          FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }          FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

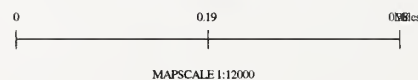
VCU: 292      UNIT NUMBER: 3111      QUAD(s): SITB5NE  
 ACRES: 12      VOLUME: 303 MBF      HARVEST VOLUME: 257 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3111	<b>VCU:</b> 292
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry and western hemlock-Alaska cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Protect soils where possible.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, No Road Access Planned</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Small areas of oversteepened or unstable soils are present; soils will be protected by full suspension provided by helicopter logging.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No fisheries concerns.</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

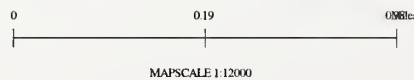
VCU: 292      UNIT NUMBER: 3112      QUAD(s): SITB5NE  
 ACRES: 6      VOLUME: 151 MBF      HARVEST VOLUME: 129 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



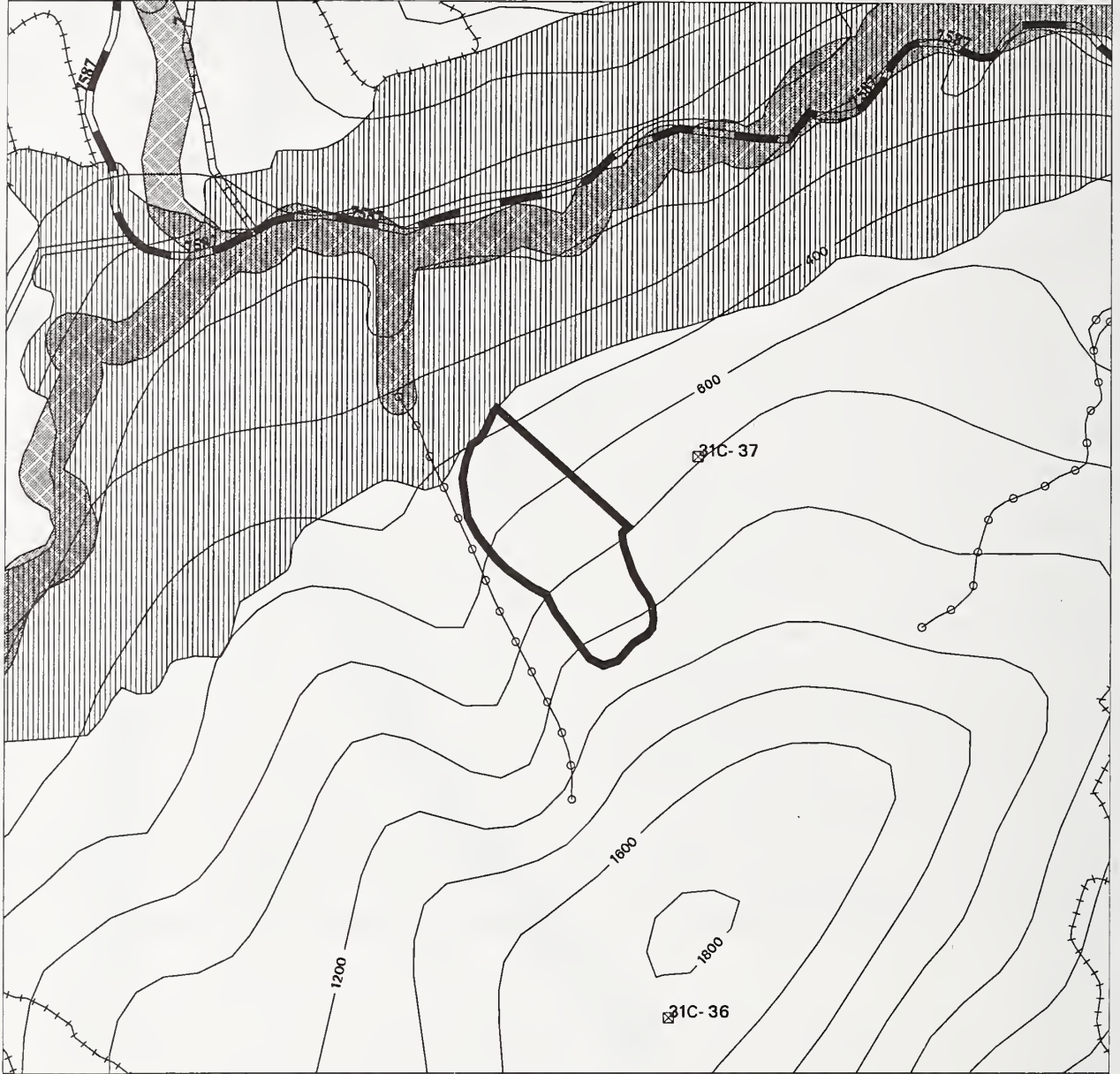
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3112	VCU: 292	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed		
REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Protect soils where possible.		
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn
SPECIALISTS NEEDED: None Needed		
REMARKS: Helicopter Yarding Required, No Road Access Planned		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn
SPECIALISTS NEEDED: None Needed		
REMARKS: Unstable areas have been deleted; unit looks OK.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz, S.Paustian, G.Killinger
SPECIALISTS NEEDED: J.Winn (soils). Potential mass soil movement to Adams Creek. Recent large slide and two older slumps in surrounding area.		
REMARKS: Large v-notches should be protected as per BMP 13.3, category "B", and BMP 13.5.		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed		
REMARKS: See Fisheries For Remarks		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292      UNIT NUMBER: 3132      QUAD(s): SITB5NE  
 ACRES: 20      VOLUME: 587 MBF      HARVEST VOLUME: 117 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



	200 FT CONTOUR INTERVAL			
SETTING BOUNDARY	1   4	0                      0.19                      0.38 Miles		LOGGING SYSTEMS:
UNIT BOUNDARY	—————	MAPSCALE 1:12000		<b>H</b> HELICOPTER
ADJACENT UNIT				
NEW SPEC. ROAD	1700		PHOTO POINT	⊠
TEMPORARY ROAD	———		EAGLE TREE	⬆
EXISTING SPEC. ROAD	1700		EXISTING CLEARCUTS	▬▬▬▬▬▬
SHORELINE	- - - - -		SALTWATER AND LAKES	▬▬▬▬▬▬
CLASS III STREAM	○ — ○ — ○		CLASS I & II STREAM BUFFER	▩▩▩▩▩▩

NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3132

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is western hemlock/blueberry on lower slopes and mountain hemlock/blueberry on upper slopes, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection, Protect soils where possible.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, No Road Access Planned

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None needed  
 REMARKS: Bad part of unit was deleted; full suspension will be provided by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: HC6, Class III stream on west side boundary should be protected per BMP 13.3, category "B". The HC6 v-notch is mapped as extreme soil mass movement hazard. A portion of unit 3132 is within the extreme hazard zone. Place side boundary at or above the slope break of the HC6 channel. The east side boundary is adjacent to an unmapped Class III stream. The area has a high soil mass movement hazard. As with the HC6 channel, this channel flows directly into class I fish habitat in Adams Creek. Place east boundary at or above the slope break of the stream, and protect per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

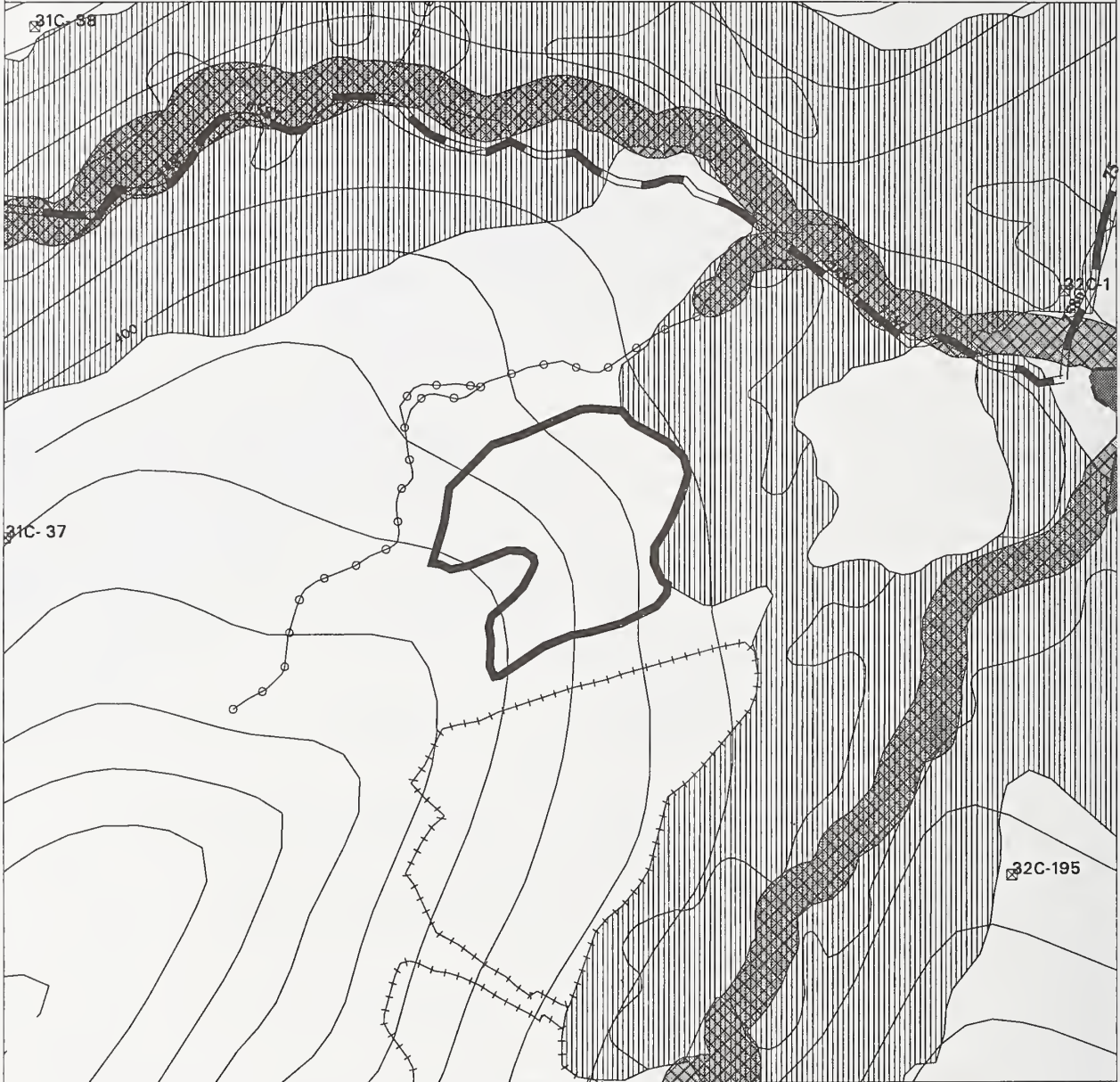
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

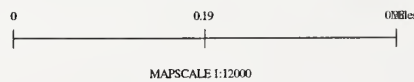
VCU: 292      UNIT NUMBER: 3141      QUAD(s): SITB5NE  
 ACRES: 32      VOLUME: 945 MBF      HARVEST VOLUME: 803 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

H HELICOPTER





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3141	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. in lower part of unit, Buffer major v-notches in unit.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, No Road Access Planned
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Small areas of unstable or wet soil are present; soils will be protected by full suspension provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Mark the HC6 channel on the north boundary, and an unmapped channel that bisects the center of the unit, in orange/white flagging. Protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

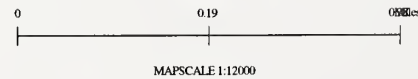
VCU: 292      UNIT NUMBER: 3142      QUAD(s): SITB5NE  
 ACRES: 54      VOLUME: 1601 MBF      HARVEST VOLUME: 1121 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3142	VCU: 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: Soils REMARKS: Plant association is Western hemlock-yellow cedar/blueberry and Western hemlock/blueberry. Silvicultural diagnosis for treatment is low canopy retention. Protect soils. Consider replanting, Consider overstory removal.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Unit is dissected and contains oversteepened slopes; recommend directional falling away from v-notches; recommend slopes steeper than 75 percent not be disturbed by logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Unmapped class III, HC6 channel along south boundary should be protected as per BMP 13.3, category "B". The boundary should be placed at or above the slope break
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

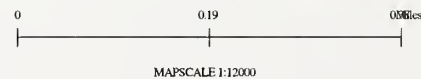
VCU: 292    UNIT NUMBER: 3143    QUAD(s): SITB5NE  
 ACRES: 28    VOLUME: 794 MBF    HARVEST VOLUME: 556 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3143	<b>VCU:</b> 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Consider replanting, Consider overstory removal.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Unit contains v-notches and oversteepened areas; recommend directional falling away from notches; recommend slopes steeper than 75 percent not be logged.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz, S.Paustian, G.Killinger SPECIALISTS NEEDED: B.Light, J.Winn (soils) REMARKS: Place north boundary at or above the slope break of unmapped, class III, HC6 channel. Protect channel as per BMP 13.3, category "B". Class I, LC2 channel at base of unit (SE boundary) will need an extended buffer due to extreme soil mass movement hazard. Boundary should be located on stable soils, above the slope break. Protect LC2 channel as per BMP 12.6a and 12.6. An HC6 channel located on the south boundary is Class II for several hundred feet above the LC2 channel. This area is also adjacent to the extreme soils hazard and should receive an extended buffer as per BMP's 12.6a, 12.6, and 13.3, category "A", or deleted (BMP 13.5). The class III portion of the HC6 channel should be protected as per BMP 13.3, category "B", and the boundary placed above the slope break, or as designated by the soil scientist. An unmapped, class III channel that bisects the unit should be marked in orange/white flagging and protect per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

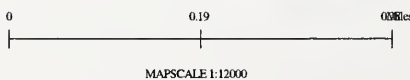
VCU: 292      UNIT NUMBER: 3151      QUAD(s): SITB5NE  
 ACRES: 46      VOLUME: 1248 MBF      HARVEST VOLUME: 1061 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**H** HELICOPTER

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3151	VCU: 292
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is western hemlock/blueberry on lower slopes and mountain hemlock-Sitka spruce/blueberry on upper slopes, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for spruce regen, Protect v-notches to extent possible.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: Soil Scientist          REMARKS: Helicopter Yarding Required, No Road Access Planned. Buffer stream. Feather N edge for windfirmness.</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Oversteep and unstable areas have been deleted; recommend directional falling away from v-notches; soils will be protected by full suspension provided by helicopter logging.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz, G.Killinger, S.Paustian          SPECIALISTS NEEDED: B.Light to review TTRA buffer.          REMARKS: Class II, MM2 channel at base of unit should be protected as per BMP 12.6a and 12.6. Unmapped class III channel on south boundary should be protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

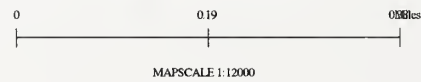
VCU: 292    UNIT NUMBER: 3201    QUAD(s): SITB5NE  
 ACRES: 17    VOLUME: 462 MBF    HARVEST VOLUME: 370 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 3201</b>	<b>VCU: 292</b>
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan  SPECIALISTS NEEDED: None Needed  REMARKS: Plant association is Western hemlock/blueberry and Western hemlock/blueberry-devil's club, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn  SPECIALISTS NEEDED: None Needed  REMARKS: Helicopter Yarding Required, No Road Access Planned</p>	
<p>{ LANDS }                FIELD REVIEWED: No        REVIEWED BY: J.Morrell  SPECIALISTS NEEDED: None Needed  REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn  SPECIALISTS NEEDED: None Needed  REMARKS: The worst areas have been deleted from the unit; the remaining small, oversteepened areas will be protected by full suspension provided by helicopter logging.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No        REVIEWED BY: B.Lorenz  SPECIALISTS NEEDED: J.Winn (soils)  REMARKS: No fisheries concerns.</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries  SPECIALISTS NEEDED: None Needed  REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No        REVIEWED BY: C.Hartmann  SPECIALISTS NEEDED: None Needed  REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk  SPECIALISTS NEEDED: None Needed  REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn  SPECIALISTS NEEDED: None Needed  REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No        REVIEWED BY: R.Myron  SPECIALISTS NEEDED: None Needed  REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

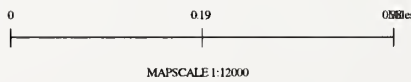
VCU: 292      UNIT NUMBER: 3223      QUAD(s): SITB5NE  
 ACRES: 8      VOLUME: 234 MBF      HARVEST VOLUME: 211 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3223	<b>VCU:</b> 292
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to protect/release understory, Protect soils where possible.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, No Road Access Planned</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Small oversteepened or unstable or wet areas are located in the unit; they will be protected by full suspension provided by helicopter logging</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Class III, HC6 channel along the east boundary should be protected as per BMP 13.3, category "B". The boundary should be placed at or above the slope break. Maintain the west boundary at or above the slope break into the branched v-notch.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

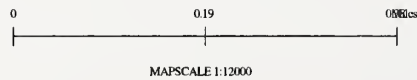
VCU: 292    UNIT NUMBER: 3224    QUAD(s): SITB5NE  
 ACRES: 10    VOLUME: 252 MBF    HARVEST VOLUME: 240 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3224

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves, Protect soils where possible.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, No Road Access Planned

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains some wet areas; helicopter logging will provide full suspension which will minimize soils impacts.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Class III, HC6 channel along the west boundary should be protected as per BMP 13.3, category "B". The boundary should be placed at or above the slope break. Maintain the east boundary at or above the slope break into the branched v-notch.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area



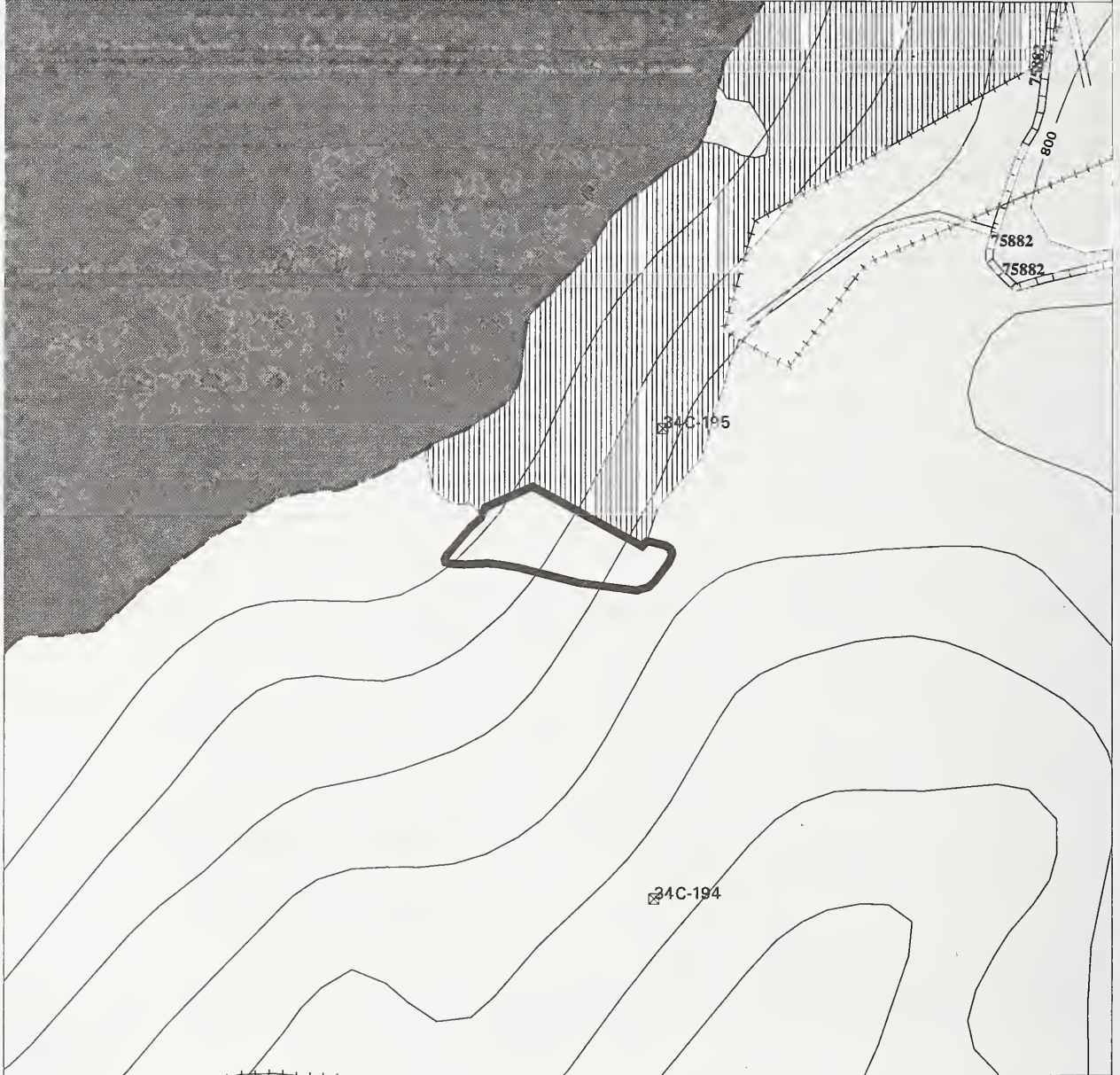
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3281	<b>VCU:</b> 292
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to protect soils and maintain stability.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Unit contains some oversteepened areas, wet areas, and v-notches; recommend directional falling away from notches; recommend shallow rocky areas be protected from harvest; helicopter logging will provided full suspension over remaining areas which will protect soils.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: The north boundary borders an unmapped HC6, class III stream channel. Another unmapped stream bisects the southern third of the unit, then flows along the proposed west boundary. These two streams should be protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }          FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

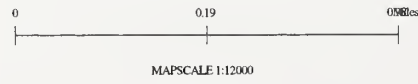
VCU: 292      UNIT NUMBER: 3291      QUAD(s): SITB5NE  
 ACRES: 10      VOLUME: 298 MBF      HARVEST VOLUME: 253 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

H HELICOPTER

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER





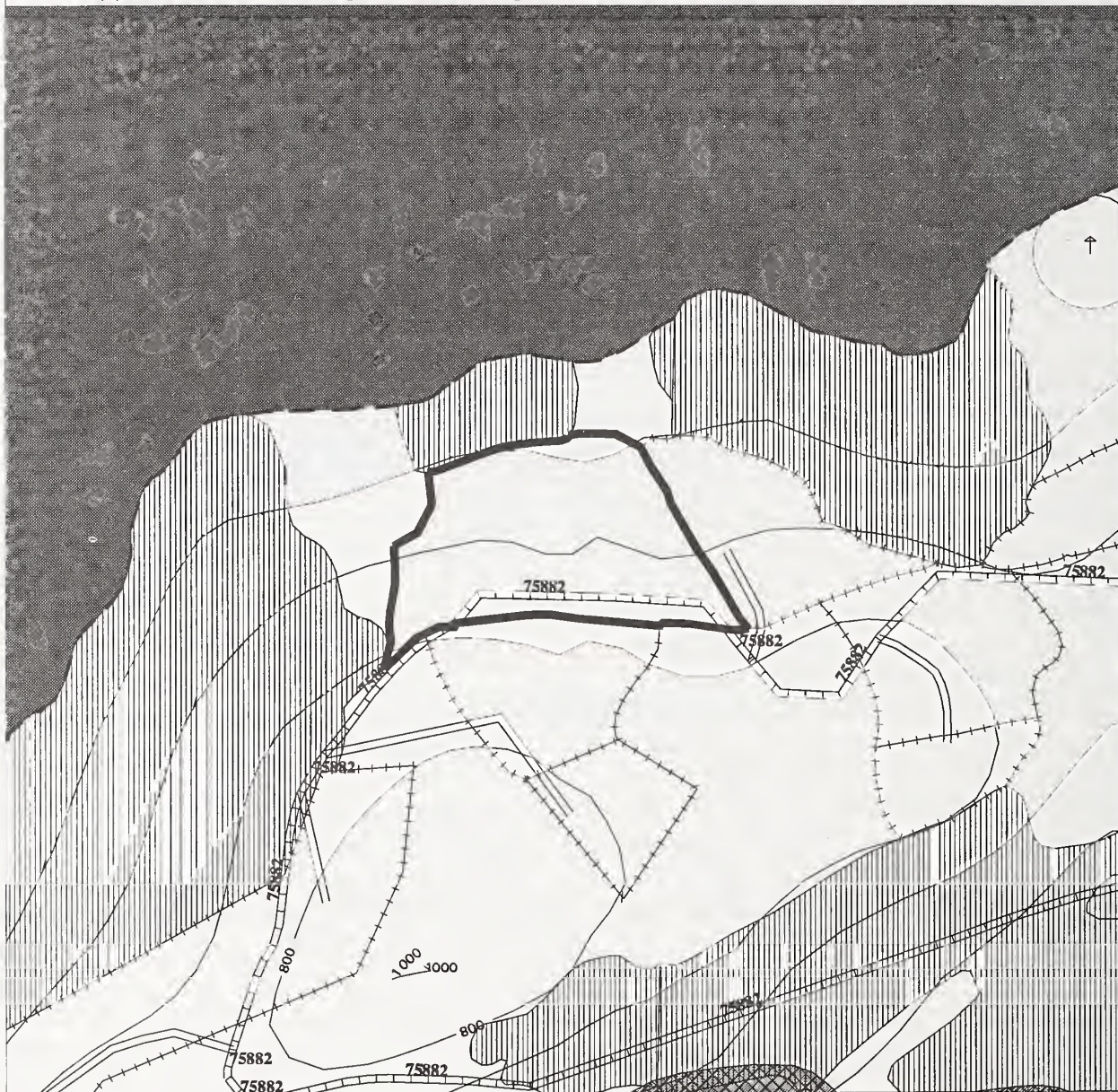
## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3291	<b>VCU:</b> 292
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed	
REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Consider replanting.	
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton
SPECIALISTS NEEDED: None Needed	
REMARKS: Helicopter Yarding Required, No Road Access Planned	
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed	
REMARKS: No Concerns	
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton
SPECIALISTS NEEDED: None Needed	
REMARKS: Unit contains v-notches; recommend directional falling away from notches; Soils will be protected by full suspension provided by helicopter logging.	
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed	
REMARKS: No concerns.	
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed	
REMARKS: See Fisheries For Remarks	
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed	
REMARKS: Pending	
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed	
REMARKS: Within visual quality objective	
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed	
REMARKS: No specific concerns	
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed	
REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

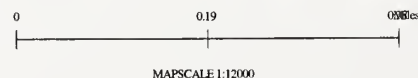
VCU: 292      UNIT NUMBER: 3301      QUAD(s): SITB4NW/SITB5NE  
 ACRES: 39      VOLUME: 1158 MBF      HARVEST VOLUME: 984 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**C CABLE**



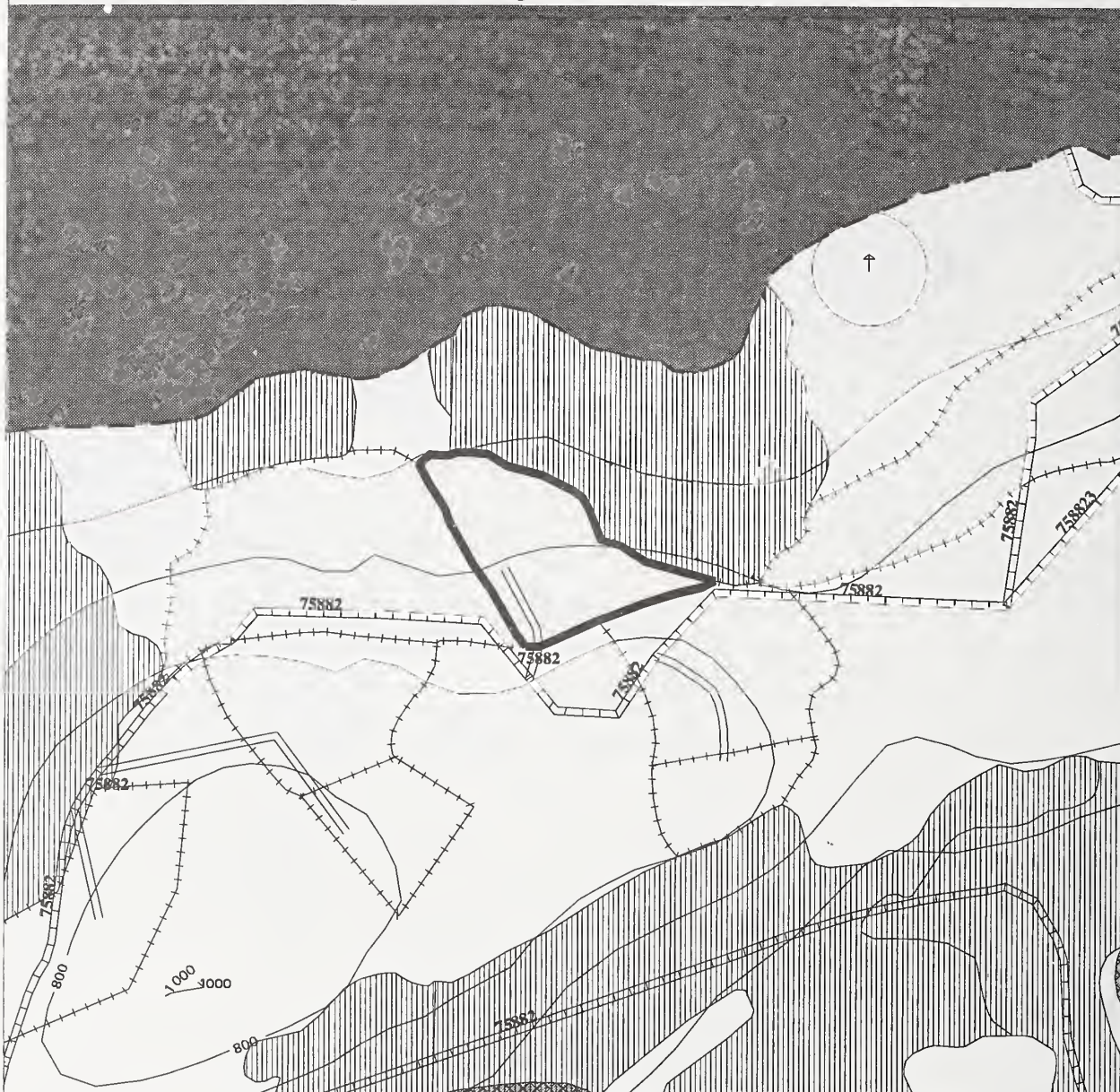
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 3301</b>	<b>VCU: 292</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Buffer v-notch to the east.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Artificial Anchors Required on Landing , 1, Partial Suspension attained, Profiles run from Landing , 1,2,3, Tail Trees needed, 40 feet high, Landing 4 requires a Multispan System. Leave trees to feather edge next to 2a eagle tree delete for windfirmness.</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Unit contains some wet soils and small slumps; recommend at least partial suspension to protect soils.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Place the north unit boundary at or above the slope break of the unmapped HC6 channel. Two v-notches in the southern half of the unit should be marked in orange/white striped flagging and protected as per BMP 13.3, category "B". If both v-notches cannot be protected in this manner, protect the larger of the two with category "B", and the smaller with BMP 13.3, category "C", and require thorough logging slash removal prior to closeout.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ounderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

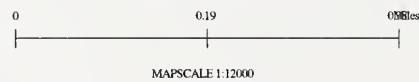
VCU: 292    UNIT NUMBER: 3302    QUAD(s): SITB4NW/SITB5NE  
 ACRES: 20    VOLUME: 596 MBF    HARVEST VOLUME: 507 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY      4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD       1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD   1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3302

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Consider seed  
 tree cut for cedar regen, Buffer v-notch to west.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: Logging  
 REMARKS: Profiles run from Landing , 3, Live Skyline System required, Partial  
 Suspension attained, Tail Trees needed, 40 feet, Artificial Anchors Required  
 on Landing

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: r.jacobson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains some wet soils and blowdown; recommend at least partial  
 suspension to protect soils.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Place the south unit boundary at or above the slope break of the  
 unmapped HC6 channel.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

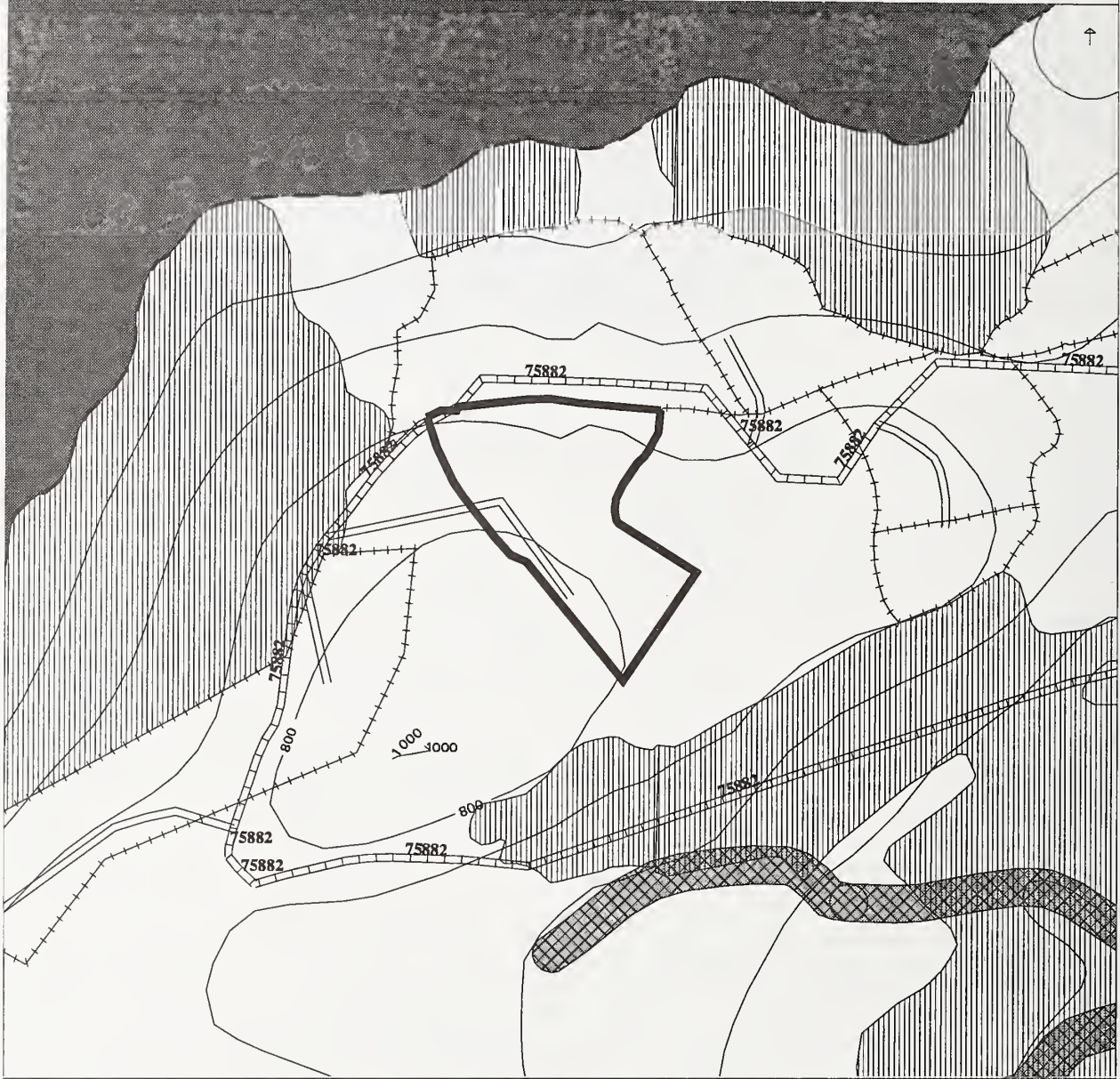
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

VCU: 292      UNIT NUMBER: 3303      QUAD(s): SITB4NW/SITB5NE  
 ACRES: 30      VOLUME: 798 MBF      HARVEST VOLUME: 679 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL			
SETTING BOUNDARY	4  -----	0                      0.19                      0.039 Miles			
UNIT BOUNDARY	-----	MAPSCALE 1:12000			
ADJACENT UNIT	-----	LOGGING SYSTEMS:			
NEW SPEC. ROAD	-----  1700	C    CABLE			
TEMPORARY ROAD	-----	PHOTO POINT			
EXISTING SPEC. ROAD	-----  1700	EAGLE TREE			
SHORELINE	-----	EXISTING CLEARCUTS			
CLASS III STREAM	-----	SALTWATER AND LAKES			
		CLASS I & II STREAM BUFFER			

## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3303

VCU: 292

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Consider seed  
 tree cut for cedar regen.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns, Full Suspension Required, slackline system required

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: r.jacobson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend at least partial suspension to protect soils.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3304	<b>VCU:</b> 292/293
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen, Protect soils where possible.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, no profiles run
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: r.jacobson SPECIALISTS NEEDED: None Needed REMARKS: temporary road access to unit
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Unit contains some wet areas; recommend at least partial suspension to protect soils.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notch on north boundary with BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292    UNIT NUMBER: 3305    QUAD(s): SITB5NE  
 ACRES: 46    VOLUME: 1230 MBF    HARVEST VOLUME: 1168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL		
SETTING BOUNDARY		0                      0.19                      0.38 Miles	LOGGING SYSTEMS:	
UNIT BOUNDARY		MAPSCALE 1:12000	C    CABLE	
ADJACENT UNIT				
NEW SPEC. ROAD		PHOTO POINT		
TEMPORARY ROAD		EAGLE TREE		
EXISTING SPEC. ROAD		EXISTING CLEARCUTS		
SHORELINE		SALTWATER AND LAKES		
CLASS III STREAM		CLASS I & II STREAM BUFFER		

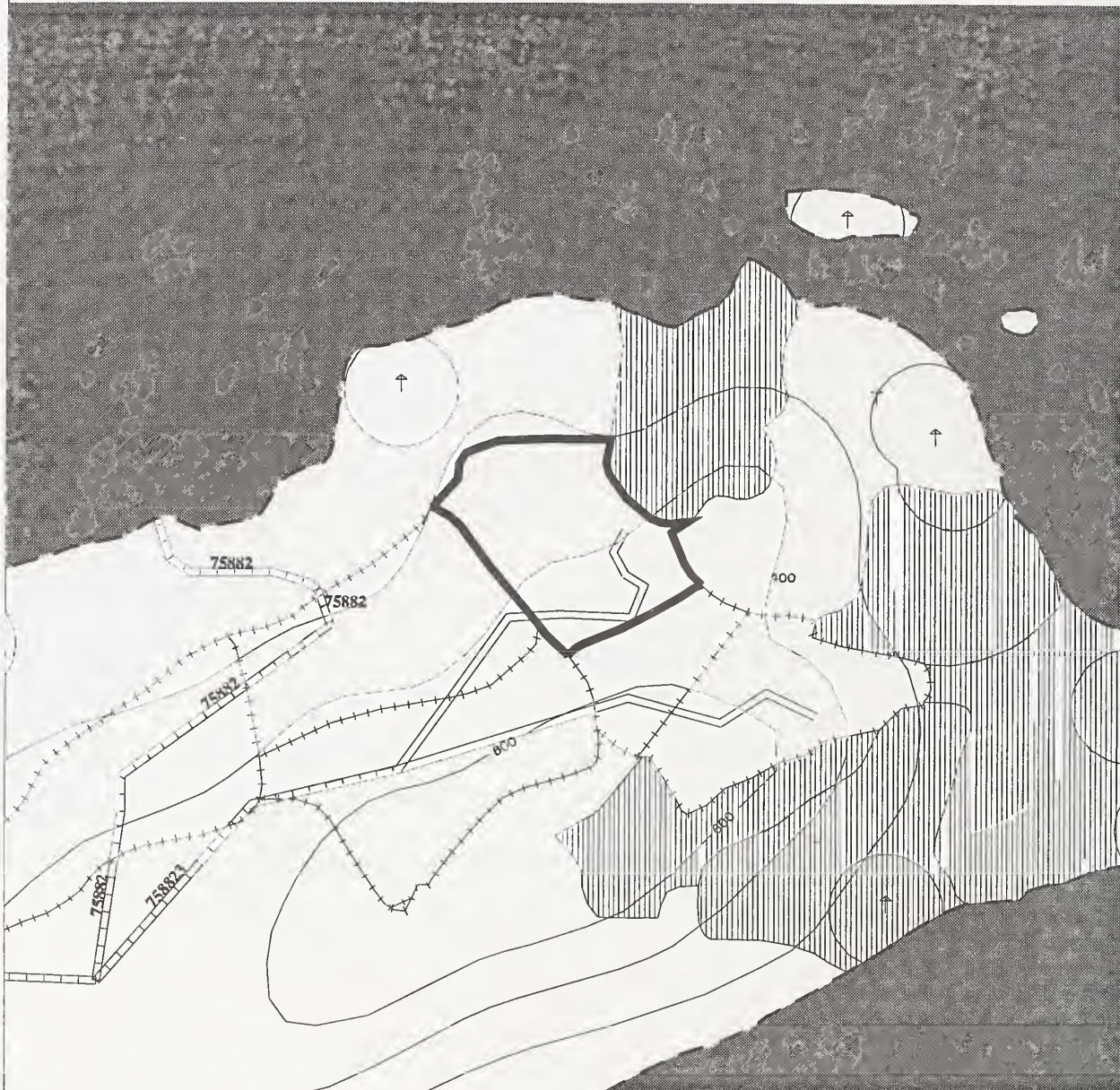
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3305	VCU: 292	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed		
REMARKS: Plant association is Western Hemlock-Blueberry. Silvicultural diagnosis for treatment is clearcut with reserves. Locate landings at the slope break in unit. Partial suspension recommended.		
{ TIMBER }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson
SPECIALISTS NEEDED: None Needed		
REMARKS: Unit contains some wet areas; recommend at least partial suspension.		
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed		
REMARKS: See Fisheries For Remarks		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

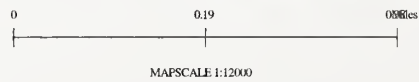
VCU: 292    UNIT NUMBER: 3311    QUAD(s): SITB4NW  
 ACRES: 26    VOLUME: 748 MBF    HARVEST VOLUME: 710 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**C CABLE**

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3311	VCU: 292
{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves, Protect soils where possible.	
{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, no profile run	
{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns	
{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns but recommend partial suspension to minimize surface disturbance.	
{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notch on SW boundary of unit as per BMP 13.3, category "B".	
{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks	
{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending	
{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings, Unit as planned does not meet VQO.	
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns	
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

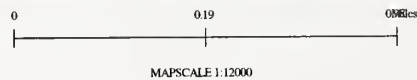
VCU: 293      UNIT NUMBER: 3312      QUAD(s): SITB4NW  
 ACRES: 34      VOLUME: 908 MBF      HARVEST VOLUME: 863 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY ⎓ 4 ⎓
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD ⎓ 1700 ⎓
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD — 1700 —
- SHORELINE - - - - -
- CLASS III STREAM ○ — ○ — ○



- PHOTO POINT ⊠
- EAGLE TREE ⊠
- EXISTING CLEARCUTS ▤
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▨

LOGGING SYSTEMS:

**c CABLE**



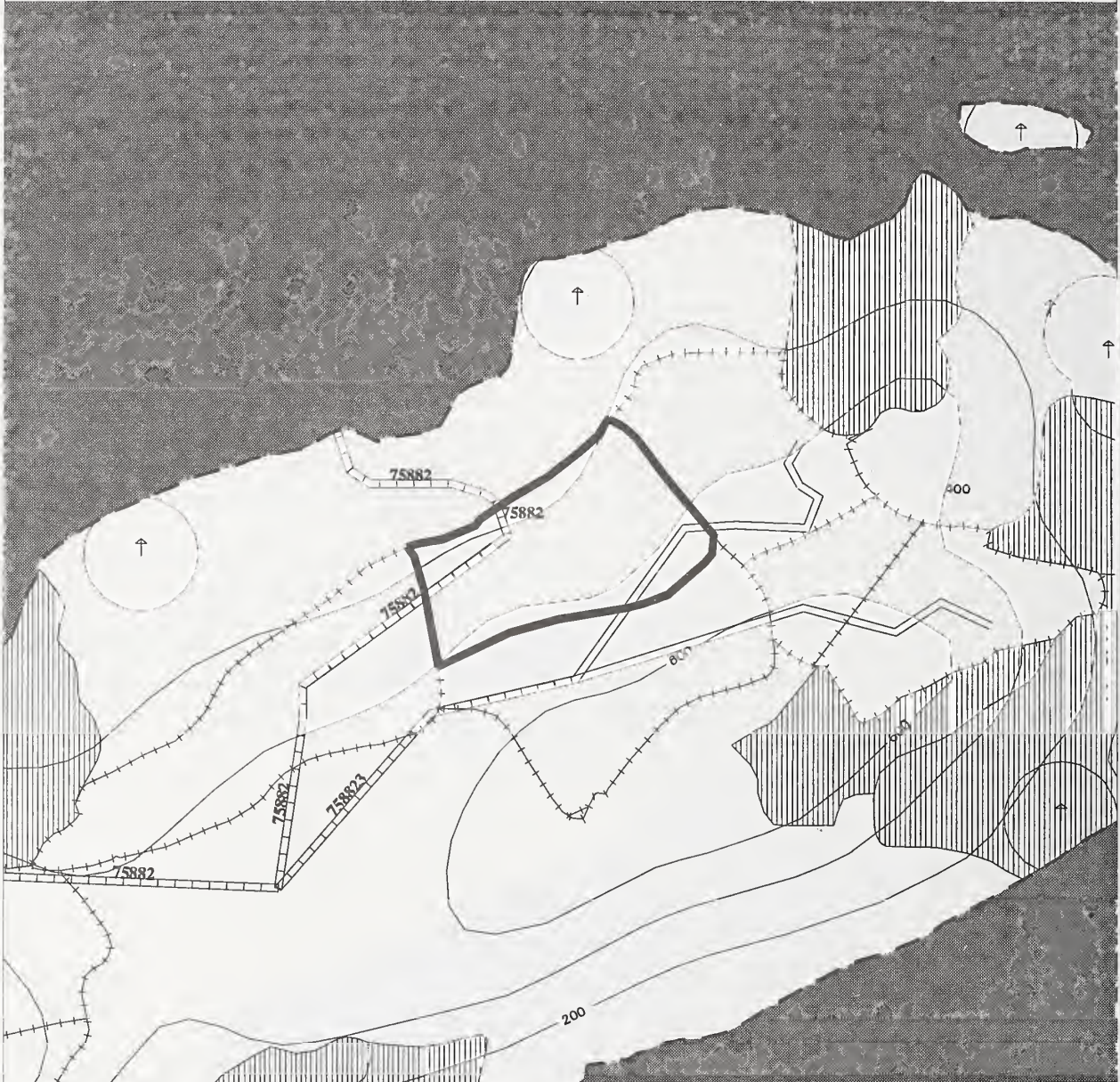
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3312	<b>VCU:</b> 292/293
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns, no profile run, not needed</p>	
<p>{ LANDS }                FIELD REVIEWED: Yes      REVIEWED BY: r.jacobson          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None needed.          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No        REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No        REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 292    UNIT NUMBER: 3313    QUAD(s): SITB4NW  
 ACRES: 30    VOLUME: 849 MBF    HARVEST VOLUME: 806 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY		0      0.19      0.38 Miles	
UNIT BOUNDARY		MAP SCALE 1:12000	LOGGING SYSTEMS:
ADJACENT UNIT			<b>C CABLE</b>
NEW SPEC. ROAD		PHOTO POINT	
TEMPORARY ROAD		EAGLE TREE	
EXISTING SPEC. ROAD		EXISTING CLEARCUTS	
SHORELINE		SALTWATER AND LAKES	
CLASS III STREAM		CLASS I & II STREAM BUFFER	



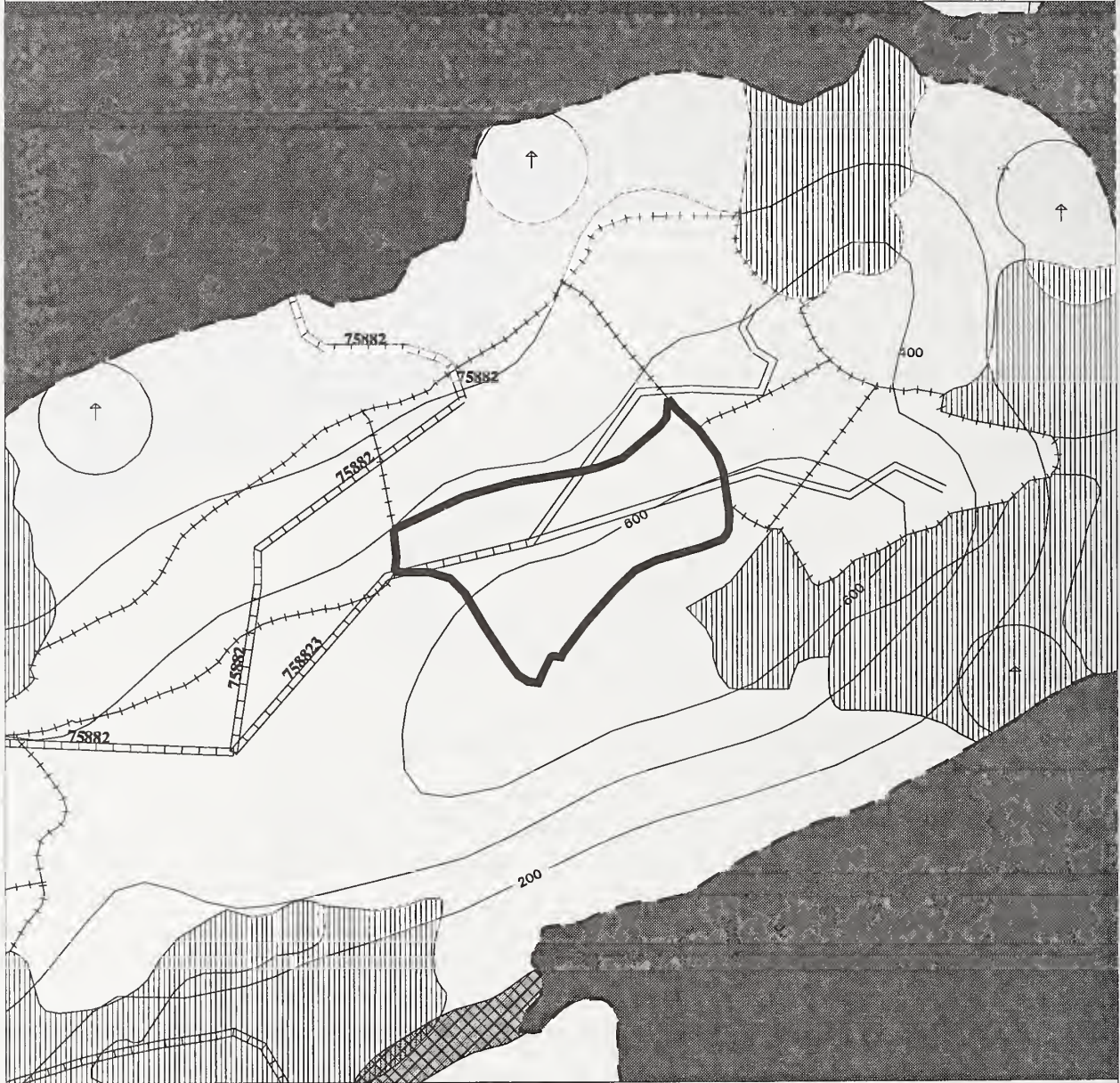
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 3313	<b>VCU:</b> 292
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar if not adequately naturally regenerated.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns, no profile needed</p>	
<p>{ LANDS }              FIELD REVIEWED: Yes      REVIEWED BY: r.jacobson          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light          REMARKS: A stream at the south boundary is class I just outside the lower unit boundary. Two streams on the northwest end of the unit are also class I just outside the unit. The streams are marked in blue/white flagging and should be protected as per BMP 12.6a and 12.6. The class III portions of these streams, and the v-notch along the north boundary should be protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }          FIELD REVIEWED: No        REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }          FIELD REVIEWED: No        REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

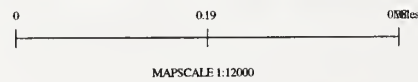
VCU: 292      UNIT NUMBER: 3314      QUAD(s): SITB4NW  
 ACRES: 33      VOLUME: 952 MBF      HARVEST VOLUME: 809 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:  
**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 3314

VCU: 292/293

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Consider seed  
 tree cut for cedar regen.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns, no profile needed

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No soils concerns; recommend partial suspension to minimize surface  
 disturbance.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Class III stream that bisects northern half of unit should be  
 protected as per BMP 13.3, category B (extension of stream protection provided  
 in unit 3313).

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ounderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent  
 size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

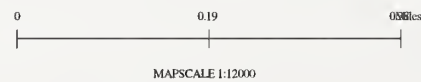
VCU: 292    UNIT NUMBER: 3315    QUAD(s): SITB4NW  
 ACRES: 39    VOLUME: 0 MBF    HARVEST VOLUME: 935 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



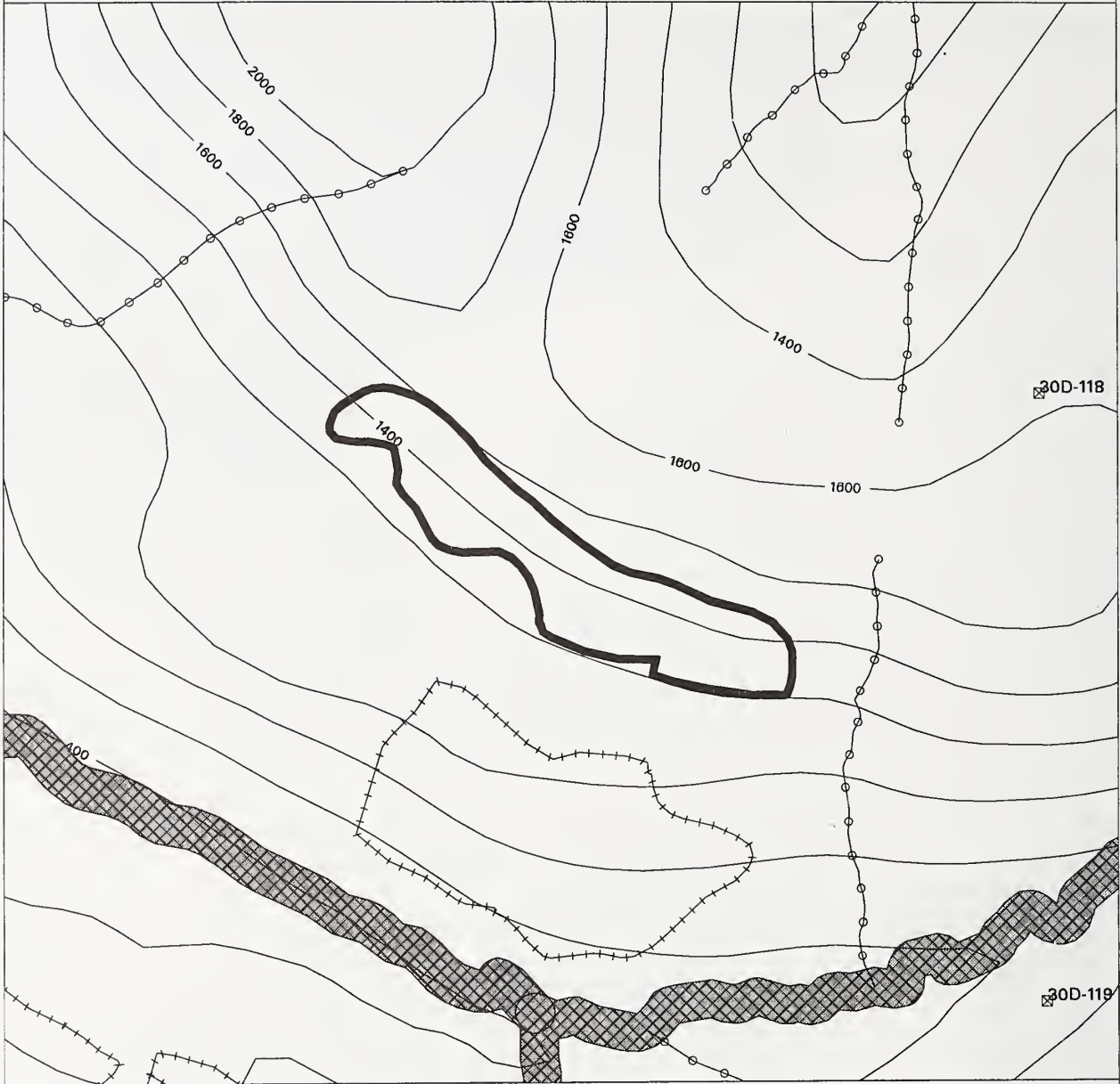
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 3315</b>	<b>VCU: 292</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Protect areas of wetter soils.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns, no profile needed</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Protect v-notch on north boundary and v-notch on south boundary as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

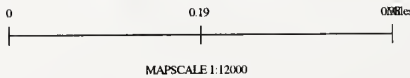
VCU: 288      UNIT NUMBER: 4031      QUAD(s): SITB5NE/SITB5NW  
 ACRES: 32      VOLUME: 808 MBF      HARVEST VOLUME: 686 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 4031		VCU: 288	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Protect understory to the extent possible.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, No Road Access Planned			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: No soils concerns.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: No concerns.			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

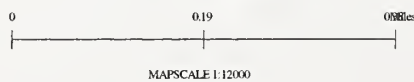
VCU: 288    UNIT NUMBER: 4041    QUAD(s): SITB5NW/SITB5NE  
 ACRES: 48    VOLUME: 1230 MBF    HARVEST VOLUME: 1045 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

H    HELICOPTER

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER





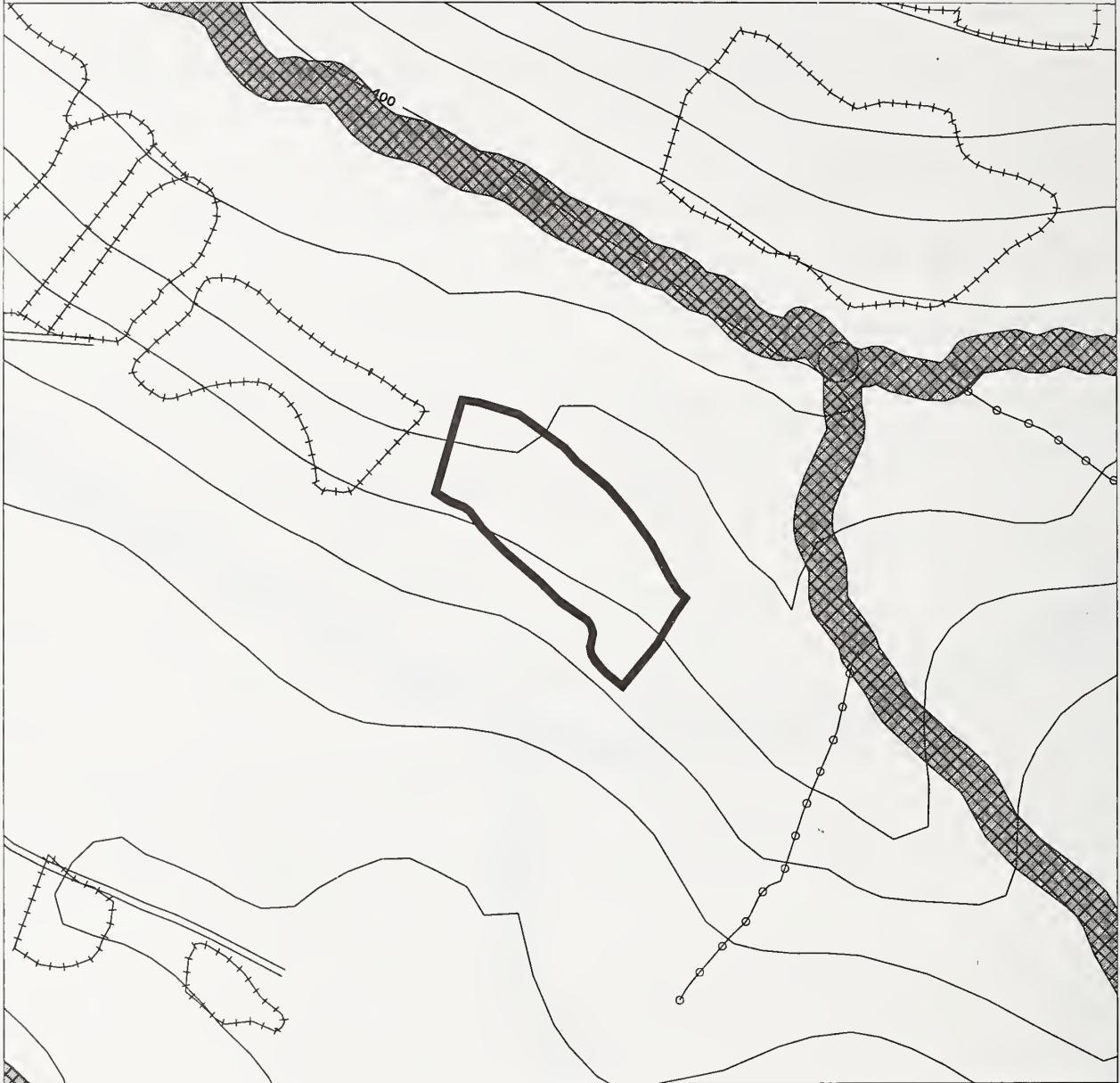
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 4041		VCU: 288	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Protect understory to the extent possible.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: No soils concerns.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: No concerns			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

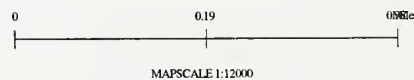
VCU: 288      UNIT NUMBER: 4061      QUAD(s): SITB5NW  
 ACRES: 25      VOLUME: 631 MBF      HARVEST VOLUME: 536 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4061	<b>VCU:</b> 288
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Protect areas of wetter soils.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: B.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend for helicopter only; ensure backline is below very poorly drained soils steeper than 45%; remove any debris introduced into v-notches</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Protect v-notches that bisect the unit, 1/3 and 4/5 of distance across unit moving west to east, as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 4081

VCU: 288

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Clearcut with reserves. Consider planting cedar.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Soils Concerns, no harvest over 75% slope, profile not needed

{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains some oversteepened and unstable soils; recommend full suspension to protect slopes.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: J.Winn (soils)  
 REMARKS: Class II fish habitat below lower unit boundary. Recommend soils review of unit due to high mass wasting hazard. Selectively harvest merchantable timber within 75' of lower unit boundary along muskeg to provide a vegetated filter strip and to retain some root strength at base of steep slope as per BMP 13.16 and 13.5.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

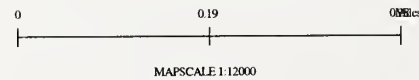
VCU: 288      UNIT NUMBER: 4082      QUAD(s): SITB5NW  
 ACRES: 69      VOLUME: 1819 MBF      HARVEST VOLUME: 1728 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4082	<b>VCU:</b> 288
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry and mixed conifer/blueberry, Silvicultural diagnosis is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Partial Suspension attained, Profiles run from Landing , 1,2, Artificial Anchors Required on Landing , 2,3, Tail Trees needed, 70 feet, Soils Concerns, Live Skyline system, Buffer Cl I stream</p>	
<p>{ LANDS }                FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Unit contains several v-notches, some wet areas, and steep slopes near the lower boundary; recommend directional falling trees away from notches and removing any debris introduced into notches; splityard on notches or ensure full suspension across them if necessary to yard across them; recommend at least partial suspension elsewhere in the unit; ensure lower boundary is located above slopes steeper than 75 percent that are found below the unit.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Three v-notches bisect the unit, and should be protected as per BMP 13.3, category "B". The v-notches are located near the west boundary, approximately 15% across unit, in the center and curving Eastward towards the NE corner, and near the east boundary. Other v-notches should be protected as per BMP 13.3, category "C". The Class I, MM2 channel at the bottom of the slope (north of boundary) should be protected as per BMP 12.6a and 12.6.</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION }         FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 288      UNIT NUMBER: 4083      QUAD(s): SITB5NW  
 ACRES: 28      VOLUME: 798 MBF      HARVEST VOLUME: 758 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL		
SETTING BOUNDARY		0      0.19      0.38 Miles	LOGGING SYSTEMS:	
UNIT BOUNDARY		MAPSCALE 1:12000	<b>C CABLE</b>	
ADJACENT UNIT				
NEW SPEC. ROAD			PHOTO POINT	
TEMPORARY ROAD			EAGLE TREE	
EXISTING SPEC. ROAD			EXISTING CLEARCUTS	
SHORELINE			SALTWATER AND LAKES	
CLASS III STREAM			CLASS I & II STREAM BUFFER	



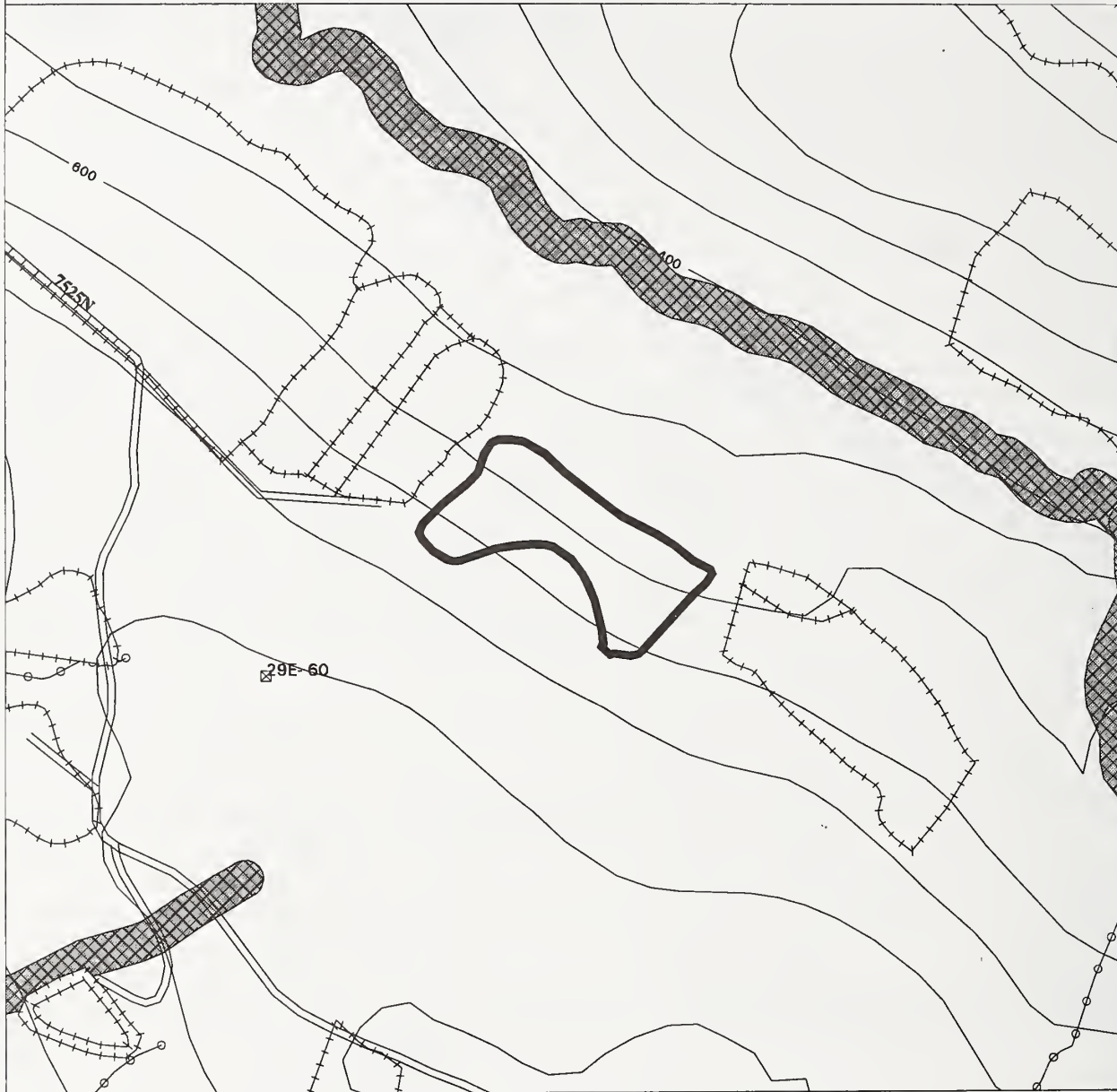
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4083	<b>VCU:</b> 288
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry and Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis is low canopy retention, Protect regeneration if possible, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Artificial Anchors Required on Landing , All, Partial Suspension attained, Profiles run from Landing , all, split yard on V-notch, Buffer Cl I stream 100+ horizontal</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Ensure backline is below oversteepened areas; recommend deep v-notches be used as splitlines and full suspension over any other notches; at least partial suspension elsewhere</p>	
<p>{ FISHERIES }         FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: A large v-notch bisects the center of the unit, and should be protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }          FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }          FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

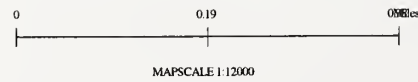
VCU: 288      UNIT NUMBER: 4084      QUAD(s): SITB5NW  
 ACRES: 20      VOLUME: 546 MBF      HARVEST VOLUME: 519 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 4084	VCU: 288
{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis is low canopy retention, Protect soils if possible, Clearcut with reserves. Consider planting cedar.	
{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: B.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, No Road Access Planned, Soils Concerns, exclude >75% slopes on upper bdy	
{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns	
{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Ensure that backline is below the oversteepened cliffy areas near top of unit; remove any debris introduced into notches during harvest; recommend full suspension if unit is not helicopter logged	
{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Three v-notches bisect the unit, and should be protected as per BMP 13.3, category "B".	
{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks	
{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending	
{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective	
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns	
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

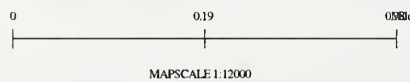
VCU: 288      UNIT NUMBER: 4091      QUAD(s): SITB5NW  
 ACRES: 8      VOLUME: 202 MBF      HARVEST VOLUME: 192 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 4091</b>	<b>VCU: 288</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Protect regeneration where possible, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, no profile needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Some wet areas, blowdown, and small slumps present; recommend at least partial suspension with full suspension over existing slumps to minimize soil disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: A class III, HC4 channel on the south unit boundary, and an unmapped class III, HC4 channel on the north unit boundary should be protected as per BMP 13.3, category "B". Class II habitat starts in the lower grade HC1 channel downstream.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4092	<b>VCU:</b> 288
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry.          Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, 4 acres on SW end,, Partial Suspension attained, on cable portion of unit</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend at least partial suspension to protect soils.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: A small stream flows from the center of the unit to exit the NW corner. This stream should be marked in orange/white flagging, and protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

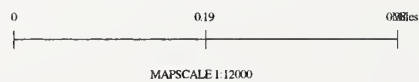
VCU: 288    UNIT NUMBER: 4093    QUAD(s): SITB5NW  
 ACRES: 5    VOLUME: 126 MBF    HARVEST VOLUME: 120 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**c CABLE**





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4093	<b>VCU:</b> 288
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis is low canopy retention, Protect soils where possible, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, no profile needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Place NW unit boundary at or above the slope break of the Class III, HC4 channel (stream is listed as a class II channel in GIS, but is class II adjacent to the unit).
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

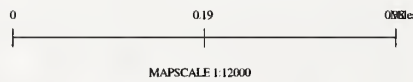
VCU: 288      UNIT NUMBER: 4094      QUAD(s): SITB5NW  
 ACRES: 5      VOLUME: 126 MBF      HARVEST VOLUME: 107 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**C CABLE**

PHOTO POINT

EAGLE TREE

EXISTING CLEARCUTS

SALTWATER AND LAKES

CLASS I & II STREAM BUFFER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 4094	<b>VCU:</b> 288
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis is low canopy retention, Consider seed tree cut for cedar regen.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns, profile not needed</p>	
<p>{ LANDS }                FIELD REVIEWED: No      REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Bad areas have been deleted; recommend partial suspension over remainder of unit to minimize surface disturbance.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 288      UNIT NUMBER: 4095      QUAD(s): SITB5NW  
 ACRES: 3      VOLUME: 76 MBF      HARVEST VOLUME: 68 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL			
SETTING BOUNDARY		MAPSCALE 1:12000	
UNIT BOUNDARY		LOGGING SYSTEMS.	
ADJACENT UNIT		C CABLE	
NEW SPEC. ROAD		PHOTO POINT	
TEMPORARY ROAD		EAGLE TREE	
EXISTING SPEC. ROAD		EXISTING CLEARCUTS	
SHORELINE		SALTWATER AND LAKES	
CLASS III STREAM		CLASS I & II STREAM BUFFER	

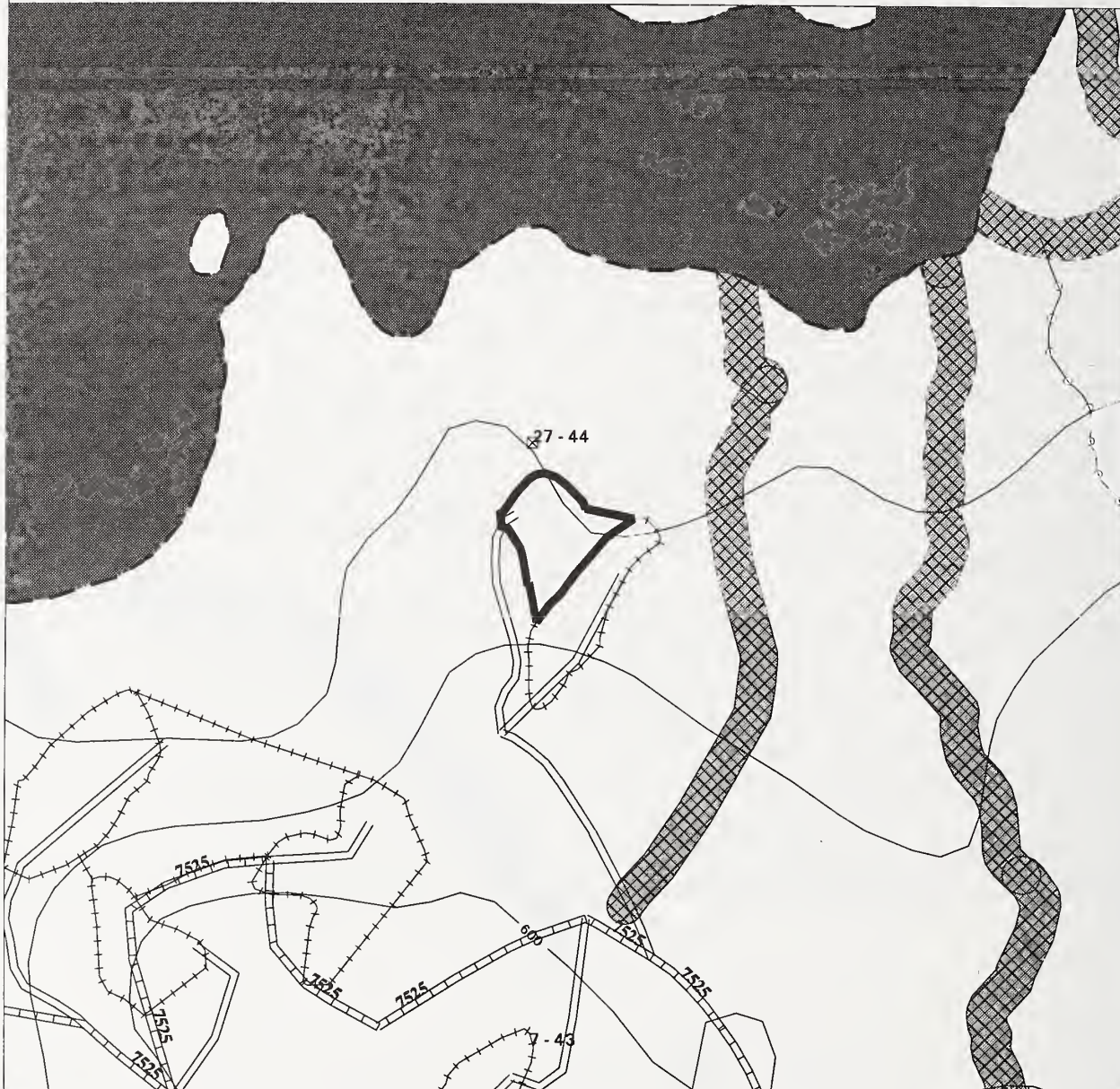
## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 4095	VCU: 288
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, profile not needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Bad areas deleted; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

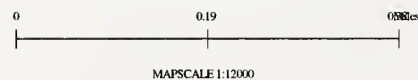
VCU: 288      UNIT NUMBER: 5001      QUAD(s): SITB5NW  
 ACRES: 7      VOLUME: 177 MBF      HARVEST VOLUME: 168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY      4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD      1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD      1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5001	VCU: 288
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, possible state selection land,, cross canyon to landing in 5002 possible, profile not needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: LANDS REMARKS: Unit is adjacent to state land selection AA-71693 near baby bear bay this has been approved by the regional forester . Selection boundries need to be , identified prior to layout to avoid encroachment.
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light to verify extent of class II fish habitat. REMARKS: HC4 channel on east boundary is a class II fish stream up to the NE corner, and may have some habitat further upstream. Protect as per BMP 12.6a and 12.6.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: Do not move boundaries any closer to the beach.
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 288      UNIT NUMBER: 5002      QUAD(s): SITB5NW  
 ACRES: 7      VOLUME: 177 MBF      HARVEST VOLUME: 168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



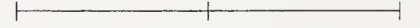
SHORELINE



CLASS III STREAM



0      0.19      0.38 Miles



MAPSCALE 1:12000

LOGGING SYSTEMS:

**C CABLE**

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER





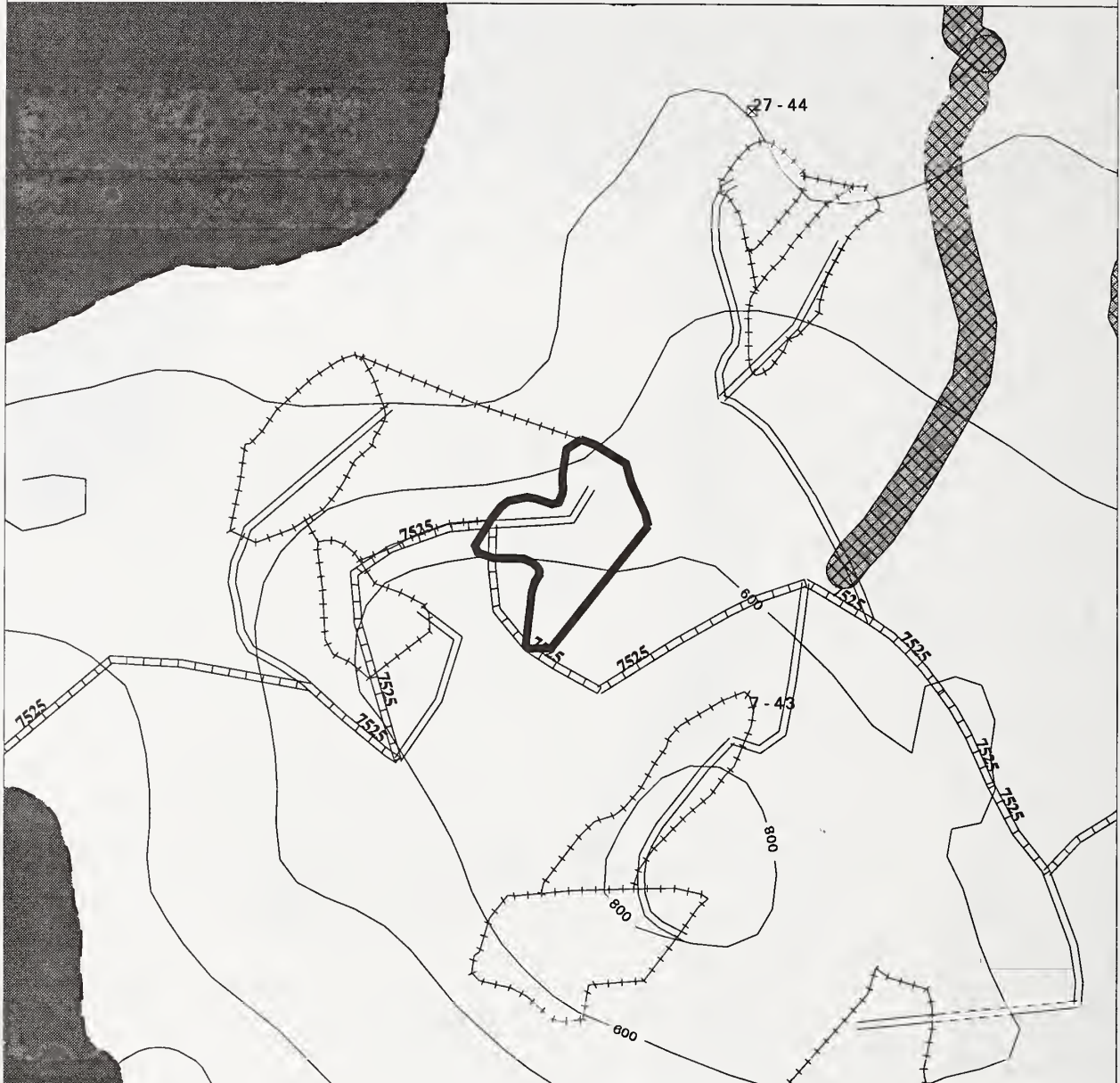
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 5002</b>	<b>VCU: 288</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis is low canopy retention, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns, possible cross canyon , possible state selection area, only need road access to 5002 Or 5001, not both</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: LANDS          REMARKS: Unit is adjacent to state land selection AA-71693. This selection has been approved by the regional forester. Selection boundry need to be identified prior to unit lay out to avoid encroachment.</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend at least partial suspension to minimize surface disturbance.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light to verify the extent of class II fish habitat. REMARKS: HC4 channel on west boundary is a class II fish stream up to the NW corner, and may have some habitat further upstream. Protect as per BMP 12.6a and 12.6. A v-notch in the NW corner that flows into the class II habitat should be marked with orange/white flagging and protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

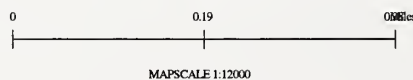
VCU: 288    UNIT NUMBER: 5003    QUAD(s): SITB5NW  
 ACRES: 14    VOLUME: 399 MBF    HARVEST VOLUME: 359 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



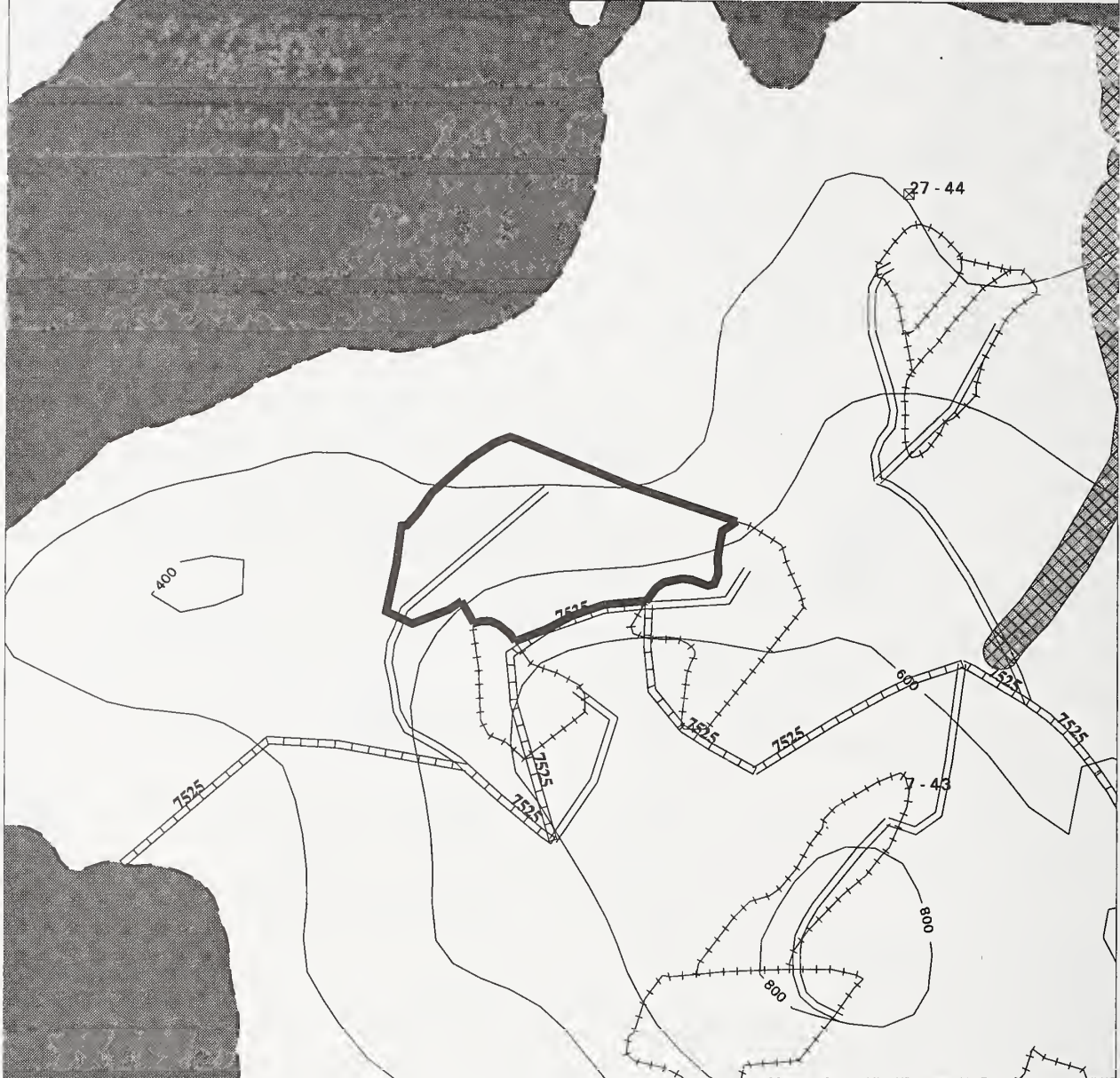
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 5003	<b>VCU:</b> 287/288
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect regeneration where possible, Consider overstory removal.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Visual concerns, profile not needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Ensure east boundary avoids unstable soils (wet areas containing grass and false hellebore); recommend at least partial suspension over rest of unit with full suspension over v-notches
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: J.Winn, or D.Kelliher REMARKS: Three tributaries of a class III, MM1 channel split this unit: one near the west boundary, one near the center, and one near the east boundary. These streams should be marked with orange/white flagging and protected as per BMP 13.3, category "B". It may be necessary to buffer portions of the stream within the unit to reduce the risk of sediment delivery to downstream fish habitat (BMP 13.5). The soils surrounding the stream are mapped as having a high soil mass movement hazard. Buffer v-notches as per soils/hydro instruction at layout (BMP 13.16)
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

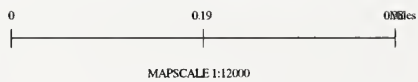
VCU: 287      UNIT NUMBER: 5004      QUAD(s): SITB5NW  
 ACRES: 34      VOLUME: 1014 MBF      HARVEST VOLUME: 203 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:  
**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5004	VCU: 287
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection, with groups smaller than 2 acres in size.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: visual concerns, profile not needed, Partial Suspension attained, Full Suspension Required on all downhill yarding. Group selection, feasible with skyline due to short yrdg distances &amp; good deflection.</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend group selections be made in areas which will avoid slopes steeper than 75 percent; directionally fall trees away from notches and maintain at least partial suspension over wet areas.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Mark v-notch in center of unit with orange/white flagging and protect as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: Do not move boundaries any closer to the beach.</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



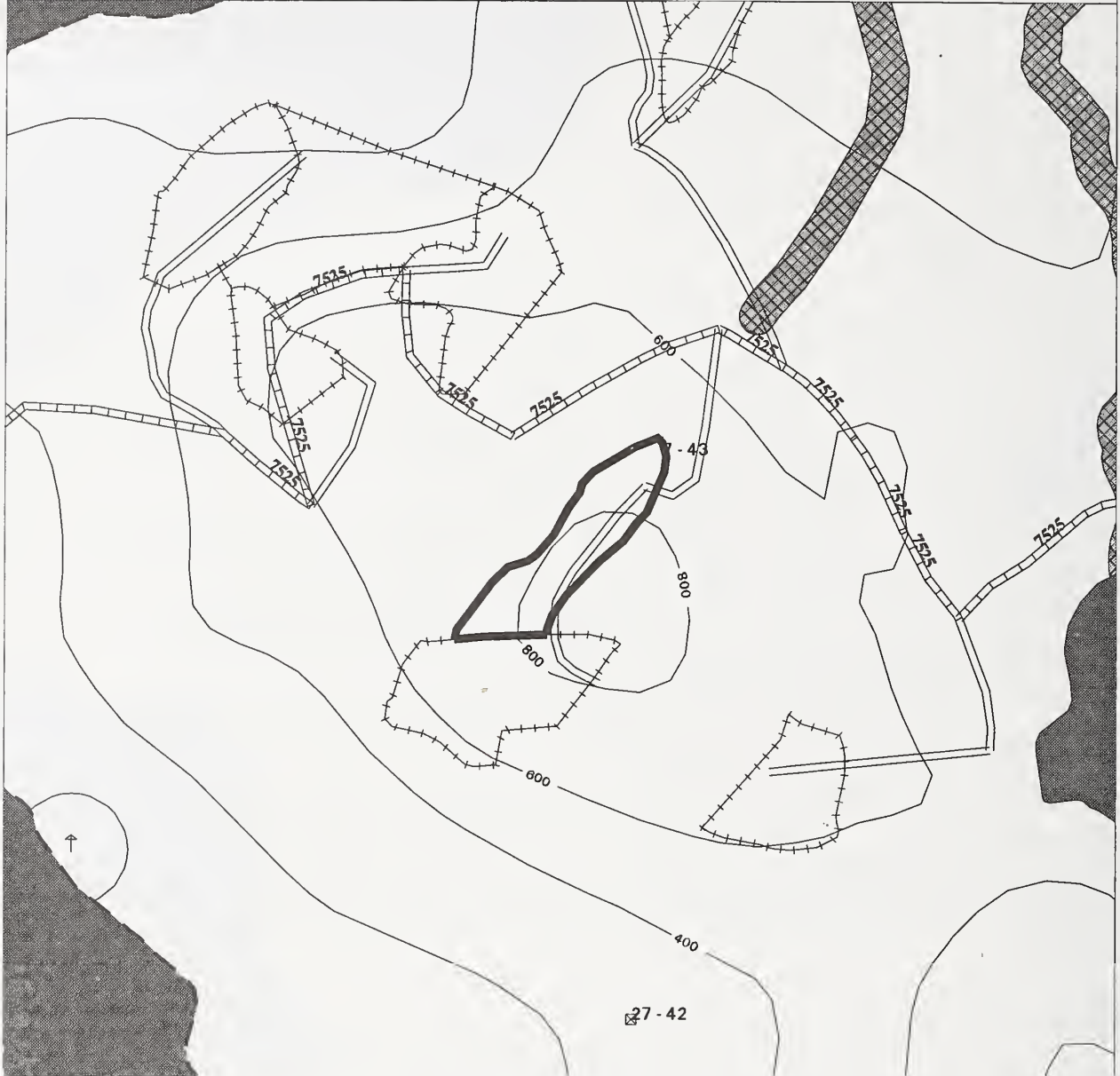
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5005	VCU: 287
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: V-notches at the center of the unit (north side), and splitting the east half of the unit, should be marked in orange/white flagging, and protected as per EMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 287      UNIT NUMBER: 5011      QUAD(s): SITB5NW  
 ACRES: 12      VOLUME: 349 MBF      HARVEST VOLUME: 331 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL		
SETTING BOUNDARY			LOGGING SYSTEMS:	
UNIT BOUNDARY		MAPSCALE 1:12000	<b>C CABLE</b>	
ADJACENT UNIT				
NEW SPEC. ROAD				
TEMPORARY ROAD				
EXISTING SPEC. ROAD				
SHORELINE				
CLASS III STREAM				
		PHOTO POINT		
		EAGLE TREE		
		EXISTING CLEARCUTS		
		SALTWATER AND LAKES		
		CLASS I & II STREAM BUFFER		



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5011		VCU: 287/288	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Light mistletoe infection in unit, Clearcut with reserves.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns, no profile needed			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: None Needed			
REMARKS: no concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: V-notch on west boundary should be marked with orange/white flagging, and protected as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Unit does not meet VQO. Adjust boundaries to reduce apparent size, screen bare ground and replicate natural openings			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5012

VCU: 287

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Light mistletoe infection in unit, Clearcut with reserves

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns, no profile needed

{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: V-notch on west boundary should be marked with orange/white flagging, and protected as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

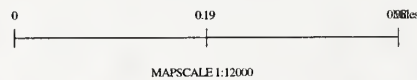
VCU: 288      UNIT NUMBER: 5013      QUAD(s): SITB5NW  
 ACRES: 9      VOLUME: 227 MBF      HARVEST VOLUME: 193 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTOPOINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 5013		VCU: 287/288	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry and Western hemlock/blueberry, Silvicultural diagnosis is low canopy retention, Protect advanced regeneration where possible, Consider seed tree cut for cedar regen.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns, profile not needed			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: None Needed			
REMARKS: no concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Bad areas deleted; recommend at least partial suspension to protect remaining area.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: A V-notch near the west boundary of the unit should be marked with orange/white flagging, and protected as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: Try to keep north and east boundaries from extending towards the Lake. Keep the unit to the southwest of the ridgeline to reduce visual impacts to the lake.			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6271      QUAD(s): SITB5SW  
 ACRES: 30      VOLUME: 849 MBF      HARVEST VOLUME: 594 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL		0      0.19      0.38 miles	LOGGING SYSTEMS:
SETTING BOUNDARY		MAPSCALE 1:12000	
UNIT BOUNDARY			
ADJACENT UNIT			
NEW SPEC. ROAD		PHOTO POINT	
TEMPORARY ROAD		EAGLE TREE	
EXISTING SPEC. ROAD		EXISTING CLEARCUTS	
SHORELINE		SALTWATER AND LAKES	
CLASS III STREAM		CLASS I & II STREAM BUFFER	

NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6271	<b>VCU:</b> 302
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan                  SPECIALISTS NEEDED: None Needed                  REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal for visual concerns and to retain a portion of understory/overstory. Lower unit has wetter soils.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: &gt;M.Dalton                  SPECIALISTS NEEDED: None Needed                  REMARKS: Tail Trees needed, 40 feet, cable harvest possible if accessed by road, Profiles run from Landing , 1,2 Full suspension not feasible, Rx modification &amp; partial suspension for visual concerns</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell                  SPECIALISTS NEEDED: None Needed                  REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton                  SPECIALISTS NEEDED: None Needed                  REMARKS: Bad areas deleted; recommend at least partial suspension to protect remaining area.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz                  SPECIALISTS NEEDED: None Needed                  REMARKS: V-notch near NE corner should be marked in orange/white flagging, and protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries                  SPECIALISTS NEEDED: None Needed                  REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann                  SPECIALISTS NEEDED: None Needed                  REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk                  SPECIALISTS NEEDED: None Needed                  REMARKS:</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn                  SPECIALISTS NEEDED: None Needed                  REMARKS: Do not move boundaries any closer to the beach.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn                  SPECIALISTS NEEDED: None Needed                  REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron                  SPECIALISTS NEEDED: Archeologist                  REMARKS: An archeologist should be notified at the final design stage for unit 6271. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by harvest.</p>	





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6272	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection with groups less than 2 acres.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Visual concerns, cable harvest possible if road access, Profiles not needed
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns; recommend at least partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: V-notches at the west boundary, in the center of the unit, and at the NE corner, should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". Maintain a 100' vegetated buffer of non-commercial trees between the unit and the four small ponds south of the unit. Include commercial trees within the buffer if their removal will disturb soils or damage residual non-commercial trees (BMP 13.16).
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: Do not move boundaries any closer to the beach.
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

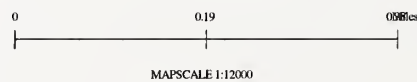
VCU: 302      UNIT NUMBER: 6281      QUAD(s): SITB5SW  
 ACRES: 31      VOLUME: 787 MBF      HARVEST VOLUME: 748 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD =====
- EXISTING SPEC. ROAD 1700
- SHORELINE - - - - -
- CLASS III STREAM ○-○-○



LOGGING SYSTEMS:

**c CABLE**

- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▨



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6281	<b>VCU:</b> 302
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Minimum of partial suspension recommended due to swales, surface rock in places.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Profiles run from Landing , 2, Partial Suspension attained, Tail Trees needed, 40 feet</p>	
<p>{ LANDS }              FIELD REVIEWED:              REVIEWED BY: r.jacobson          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: R.Foster          SPECIALISTS NEEDED: None Needed          REMARKS: Adjust backline to avoid oversteepened knob; splityard on v-notch near center of unit and remove any debris introduced into notches; recommend full suspension</p>	
<p>{ FISHERIES }        FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light to determine extent of class II fish habitat.          REMARKS: V-notches mark the north, east and south boundaries. These should be protected as per BMP 13.3, category "B". Two v-notches that split the northern half of the unit from east to west, should be marked in orange/white flagging, then protected as per BMP 13.3, category "B". A stream flowing from the center of the west boundary, and one from the SW corner are class II fish streams, and require protection as per BMP 12.6a and 12.6. The extent of class II fish habitat on several other small seeps and rills in the wetland should be established during layout. There are 3.2 acres of emergent wetland within the unit along the west boundary. The unit should be laid out to avoid all emergent wetland habitat to protect water quality.</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No        REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No        REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6282

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to retain vigorous understory and a portion of overstory.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, Soils Concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains v-notches and some blowdown; recommend directional falling away from notches; full suspension will be provided by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: J.Winn or hydrologist  
 REMARKS: Place south unit boundary at or above the slope break of the class III, HC6 channel to protect downstream fish habitat, and designate as category "B" stream (BMP 13.3). Note that the proposed SW corner of the unit encompasses a fork of this stream. Full suspension should be required for logging over this channel. The west unit boundary runs along an unmapped, class III stream. This stream should be protected as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6283

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Protect regen. to the extent possible. Consider planting cedar if inadequate natural regen.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Profiles run from Landing , 1, Partial Suspension attained, Artificial Anchors Required on Landing , 1, Tail Trees needed, 40 feet, Soils Concerns

{ LANDS } FIELD REVIEWED: NO REVIEWED BY:  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend at least partial suspension to protect wet soils.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Mark v-notch in center of unit with orange/white flagging, and protect as per BMP 13.3, category "B". There are 0.6 acre of mapped emergent wetland habitat within this unit. Emergent wetland habitat should be dropped from the unit to protect water quality (BMP 13.16).

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6291</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider overstory removal to remove only higher-risk and leaning trees, while maintaining slope stability.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Unit contains v-notches; recommend directional falling away from notches; full suspension will be provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Mark and protect two large v-notches (BMP 13.3, category "B") that flow from the unit to the mapped, class III, HC6 channel SW of unit. Maintain unit boundary at or above the slope break of the class III, HC6 channel on the NE boundary.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6293

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal for visual concerns.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No profiles run, cable harvest possible, Soils Concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend at least partial suspension to protect soils.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: B.Light to review TTRA implementation.  
 REMARKS: Class I MC1 channel, and Class II AF2 channel near lower unit boundary should be protected as per BMP 12.6a and 12.6. Several small tributaries to the east of the MC1 channel have been marked with blue/white flagging to indicate the extent of fish habitat. Protect as per BMP 12.6a and 12.6 if these reach the lower unit boundary. Unmapped class III, HC6 channels on the north and south boundaries should be protected as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: Archeologist  
 REMARKS: An archeologist should be notified at the final design stage for unit 6293. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by harvest.

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

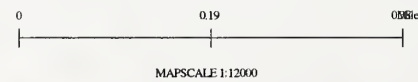
VCU: 302    UNIT NUMBER: 6294    QUAD(s): SITB5SW  
 ACRES: 28    VOLUME: 830 MBF    HARVEST VOLUME: 664 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6294	<b>VCU:</b> 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: K.Barkhau
SPECIALISTS NEEDED: None Needed	
REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to retain vigorous understory.	
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker
SPECIALISTS NEEDED: None Needed	
REMARKS: Helicopter Yarding Required, Soils Concerns	
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed	
REMARKS: No Concerns	
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker
SPECIALISTS NEEDED: None needed	
REMARKS: Recommend as a helicopter unit; avoid harvest in remnant slides; remove any debris introduced into notches during harvest	
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed	
REMARKS: Maintain boundary at or above the slope break of the class III, HC6 stream on the north boundary, and the unmapped HC6 channel on the south boundary. Mark v-notch in center of unit in orange/white, and protect as per BMP 13.3, category "B".	
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed	
REMARKS: See Fisheries For Remarks	
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed	
REMARKS: Pending	
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed	
REMARKS: Within visual quality objective	
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed	
REMARKS: No specific concerns	
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed	
REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6301      QUAD(s): SITB5SW  
 ACRES: 22      VOLUME: 656 MBF      HARVEST VOLUME: 525 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL			
SETTING BOUNDARY	— 4 —	0                      0.19                      0.96 Miles			
UNIT BOUNDARY	—————	MAPSCALE 1:12000	LOGGING SYSTEMS:		
ADJACENT UNIT	- - - - -		H    HELICOPTER		
NEW SPEC. ROAD	= 1700 =				
TEMPORARY ROAD	= = = = =		PHOTO POINT	⊠	
EXISTING SPEC. ROAD	= 1700 =		EAGLE TREE	⬆	
SHORELINE	- - - - -		EXISTING CLEARCUTS	▨	
CLASS III STREAM	○ — ○ — ○		SALTWATER AND LAKES	■	
			CLASS I & II STREAM BUFFER	▩	N

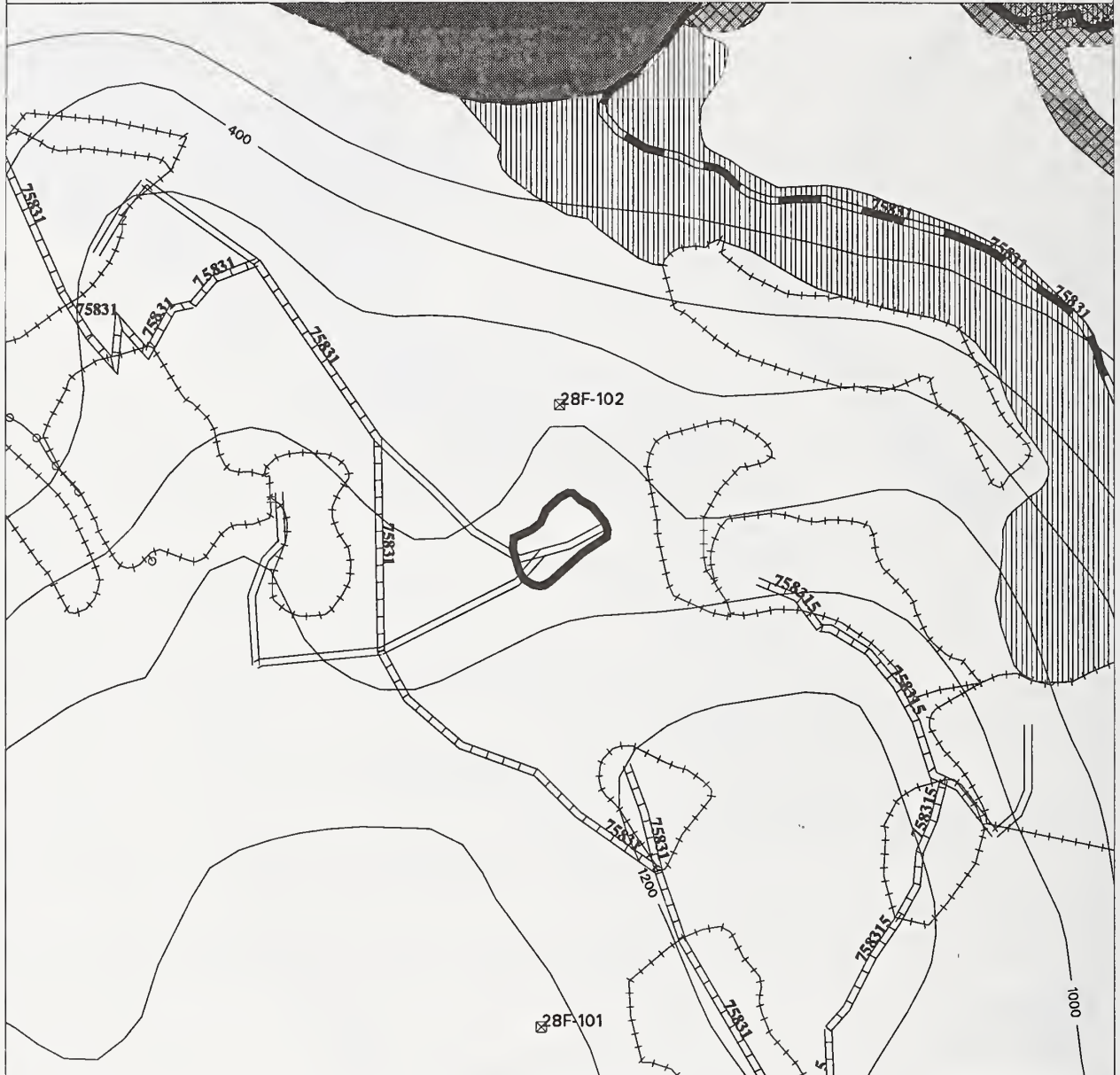
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6301	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce/blueberry/skunk cabbage, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to protect regen and soils, which are rocky. Full suspension recommended.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker SPECIALISTS NEEDED: None Needed REMARKS: Recommend split yarding on v-notches, full suspension on slopes steeper than 45% to protect wet soils, and at least partial suspension elsewhere .
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Five v-notches bisect unit. Mark with orange/white flagging and protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6303      QUAD(s): SITB5SW  
 ACRES: 4      VOLUME: 101 MBF      HARVEST VOLUME: 96 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

<p>SETTING BOUNDARY  4</p> <p>UNIT BOUNDARY </p> <p>ADJACENT UNIT </p> <p>NEW SPEC. ROAD  1700</p> <p>TEMPORARY ROAD </p> <p>EXISTING SPEC. ROAD  1700</p> <p>SHORELINE </p> <p>CLASS III STREAM </p>	<p style="text-align: center;">0      0.19      0.38 Miles</p> <p style="text-align: center;">MAPSCALE 1:12000</p> <p>PHOTO POINT </p> <p>EAGLE TREE </p> <p>EXISTING CLEARCUTS </p> <p>SALTWATER AND LAKES </p> <p>CLASS I &amp; II STREAM BUFFER </p>	<p style="text-align: right;">LOGGING SYSTEMS:</p> <p style="text-align: right;">C    CABLE</p>
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## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6303

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Consider planting cedar.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Soils Concerns, No profiles run

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend split yarding on v-notches, full suspension over wet areas steeper than 45% and over cliffs, and at least partial suspension elsewhere.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

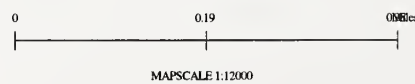
VCU: 302      UNIT NUMBER: 6304      QUAD(s): SITB5SW  
 ACRES: 9      VOLUME: 227 MBF      HARVEST VOLUME: 182 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6304

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to release regen. Full suspension recommended.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G. Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, Soils Concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend split yarding on v-notches, full suspension over wet areas on slopes steeper than 45% and on other slopes steeper than 70%, and partial suspension elsewhere; ensure south boundary is above slope break of v-notch

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Mark v-notch/rill in center of unit with orange/white flagging, and protect as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

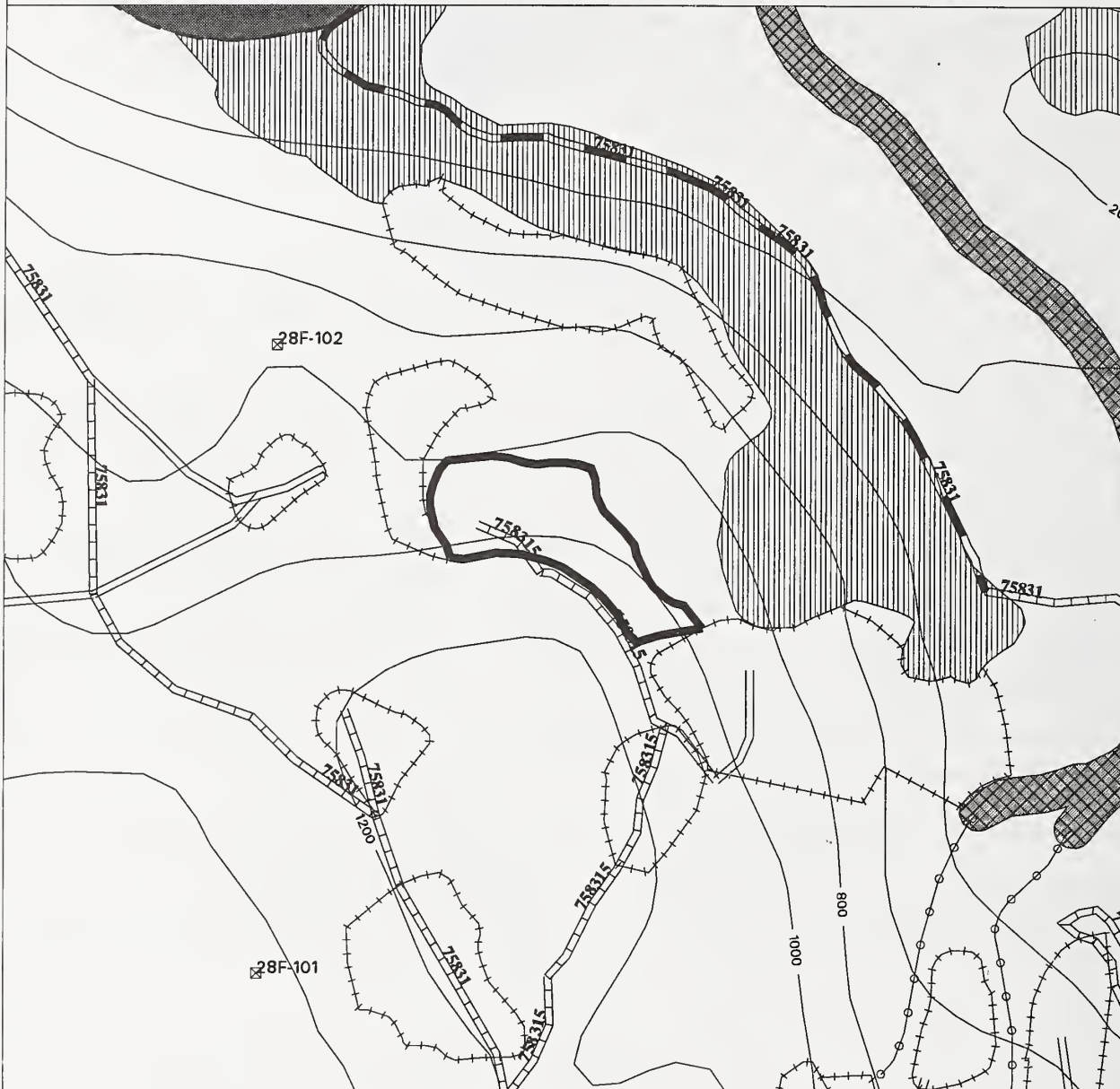
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

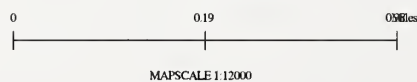
VCU: 302    UNIT NUMBER: 6305    QUAD(s): SITB5SW  
 ACRES: 17    VOLUME: 429 MBF    HARVEST VOLUME: 300 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6305

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry,  
 Silvicultural diagnosis for treatment is medium canopy retention, Consider  
 overstory removal to release regen and protect shallow, rocky soils.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no profile run, cable harvest possible, some soil concerns,  
 Artificial Anchors Required

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: r.jacobson  
 SPECIALISTS NEEDED:  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend split yarding on v-notches, full suspension on slopes over  
 45%, and partial suspension elsewhere

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Protect v-notch near SE boundary as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

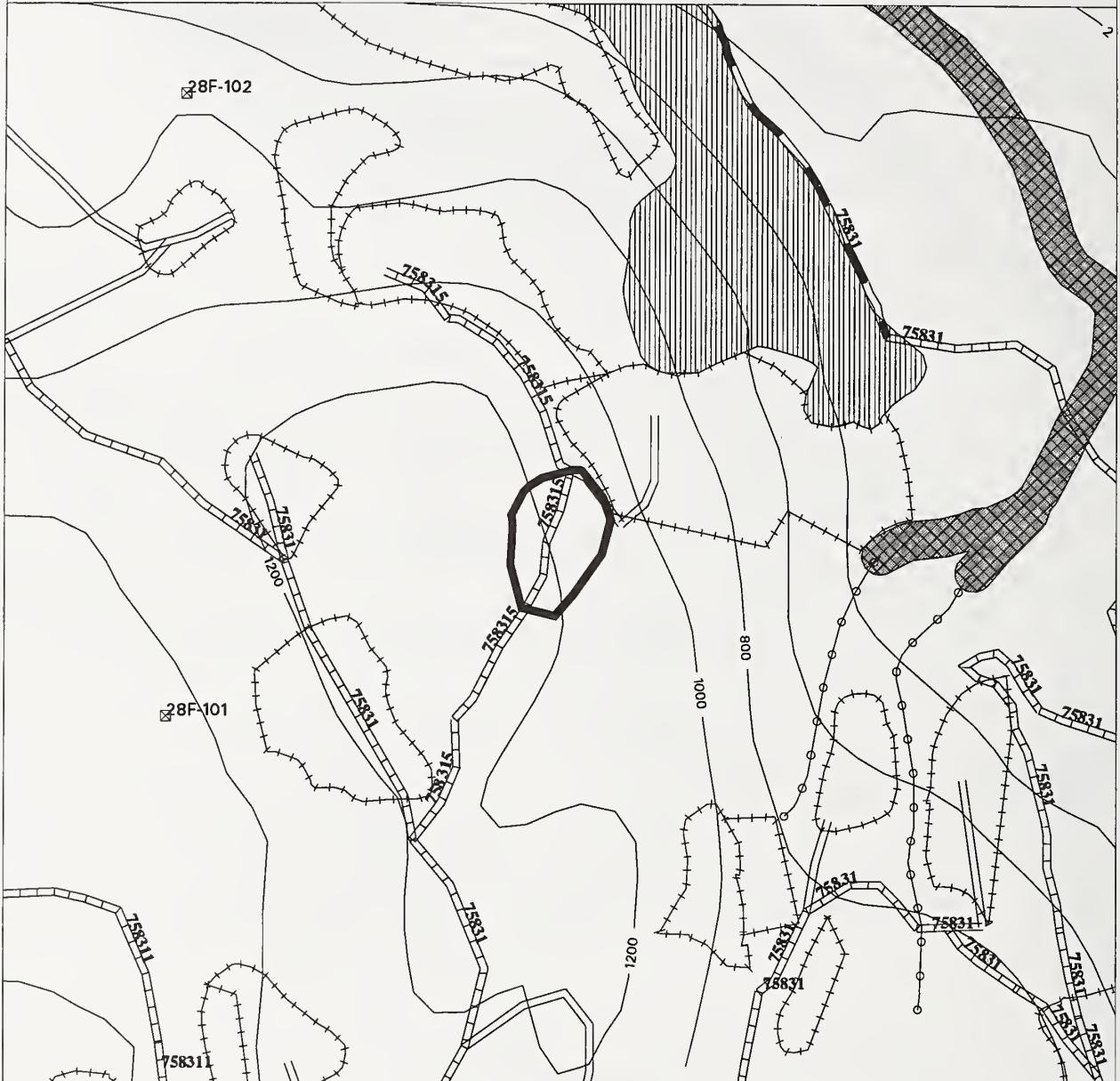
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

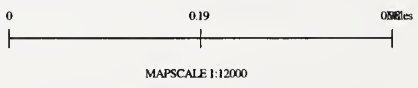
VCU: 302      UNIT NUMBER: 6306      QUAD(s): SITB5SW  
 ACRES: 8      VOLUME: 202 MBF      HARVEST VOLUME: 141 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — — — — —
- UNIT BOUNDARY —————
- ADJACENT UNIT — + — + — + — + —
- NEW SPEC. ROAD ——— 1700 ———
- TEMPORARY ROAD ——— 1700 ———
- EXISTING SPEC. ROAD ——— 1700 ———
- SHORELINE — — — — —
- CLASS III STREAM ○ — ○ — ○ — ○ — ○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▩

LOGGING SYSTEMS:  
**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6306

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry,  
 Silvicultural diagnosis for treatment is medium canopy retention, Consider  
 overstory removal to release regen and retain portion of overstory, as well as  
 protect wet, shallow soils.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: will have some problems cable yarding , extra costs, profiles not  
 run, Artificial Anchors Required

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend split yarding on v-notches, full suspension on slopes over  
 45%, and partial suspension elsewhere

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

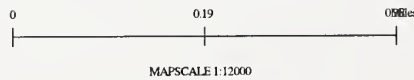
VCU: 302      UNIT NUMBER: 6321      QUAD(S): SITB5SW  
 ACRES: 6      VOLUME: 151 MBF      HARVEST VOLUME: 136 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY      - - - - -
- UNIT BOUNDARY      **—————**
- ADJACENT UNIT      - - - - -
- NEW SPEC. ROAD          1700
- TEMPORARY ROAD          1700
- EXISTING SPEC. ROAD      **—————**
- SHORELINE      - - - - -
- CLASS III STREAM      ○ — ○ — ○



LOGGING SYSTEMS:

**C CABLE**

- PHOTO POINT      ⊠
- EAGLE TREE      ↑
- EXISTING CLEARCUTS      ▨
- SALTWATER AND LAKES      ▩
- CLASS I & II STREAM BUFFER      ▤





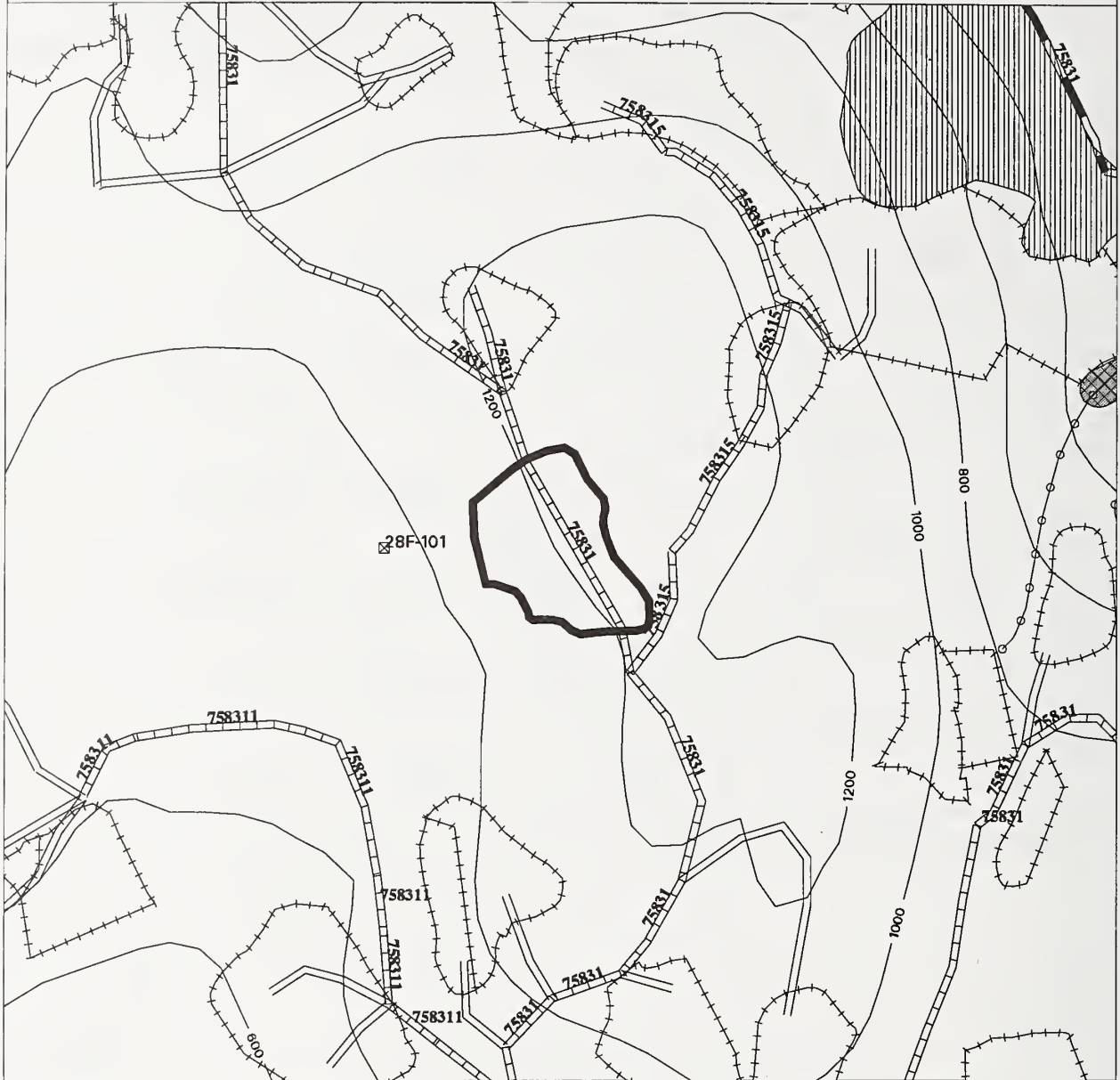
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6321</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce/blueberry. Treatment diagnosis is low canopy retention. Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, cable harvest possible, no profiles run
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: .jacobson SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notch in center of unit as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

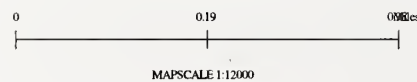
VCU: 302      UNIT NUMBER: 6322      QUAD(s): SITB5SW  
 ACRES: 16      VOLUME: 404 MBF      HARVEST VOLUME: 363 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6322</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: K.Barkhau
SPECIALISTS NEEDED: None Needed	
REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Small bluffs in unit.	
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson
SPECIALISTS NEEDED: None Needed	
REMARKS: Profiles run from Landing , 2, Partial Suspension attained, Tail Trees needed, 40 feet, Artificial Anchors Required on Landing , 2	
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed	
REMARKS: No Concerns	
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson
SPECIALISTS NEEDED: None Needed	
REMARKS: Unit contains rocky soils; recommend at least partial suspension to minimize surface disturbance.	
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed	
REMARKS: Protect v-notches on the west and SW boundaries as per BMP 13.3, category "B".	
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed	
REMARKS: See Fisheries For Remarks	
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed	
REMARKS: Pending	
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed	
REMARKS: Within visual quality objective	
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed	
REMARKS: No specific concerns	
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed	
REMARKS: Low probability area	



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6331</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal. Full suspension desirable to protect shallow, wet soils.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: Road Locator, Hydro REMARKS: Soils Concerns, profiles run landing 2, Partial Suspension attained, Tail Trees needed, 60 feet
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: The worst areas already deleted; recommend full suspension on slopes steeper than 70 percent and at least partial suspension elsewhere.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light REMARKS: Class I habitat on FP3 and AF1 channels have been marked in blue/white flagging, as well as smaller unmapped channels. Protect as per BMP 12.6a and 12.6. Three v-notches that bisect the unit should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". Place south boundary at or above the slope break of the tributary that flows into the class I, FP3 channel.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

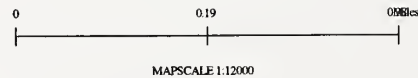
VCU: 302      UNIT NUMBER: 6332      QUAD(s): SITB5SW  
 ACRES: 7      VOLUME: 177 MBF      HARVEST VOLUME: 168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

C CABLE



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6332	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: Soils REMARKS: Plant associaiton is mountain hemlock/copperbush/cassiope, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Buffer draws on both sides of unit.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, no profiles run, cable harvest possible, Artificial Anchors Required
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: r.jacobson SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Downstream class I and II fish habitat has been marked in blue/white flagging on the mapped channels that flow on the west and east boundaries. No fish habitat reaches the unit. Place boundaries at or above the slope break of the HC6 channels, and protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6333	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: Road Locator REMARKS: slope limit 60 % for harvest,, cable harvest possible, no profiles run, Soils Concerns
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: .jacobson SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: The worst areas have been deleted but some oversteep and unstable areas remain; recommend full suspension to protect soils.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light to review TTRA buffers. REMARKS: Fish habitat has been marked in blue/white flagging in the emergent wetland and stream channels at the base of this unit. Protect as per BMP 12.6a and 12.6. Protect v-notches on the east and west boundaries as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6334      QUAD(s): SITB5SW  
 ACRES: 11      VOLUME: 278 MBF      HARVEST VOLUME: 264 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY  
 UNIT BOUNDARY  
 ADJACENT UNIT  
 NEW SPEC. ROAD  
 TEMPORARY ROAD  
 EXISTING SPEC. ROAD  
 SHORELINE  
 CLASS III STREAM

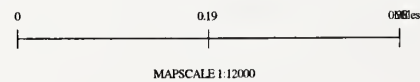
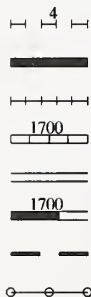


PHOTO POINT  
 EAGLE TREE  
 EXISTING CLEARCUTS  
 SALTWATER AND LAKES  
 CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

**c CABLE**



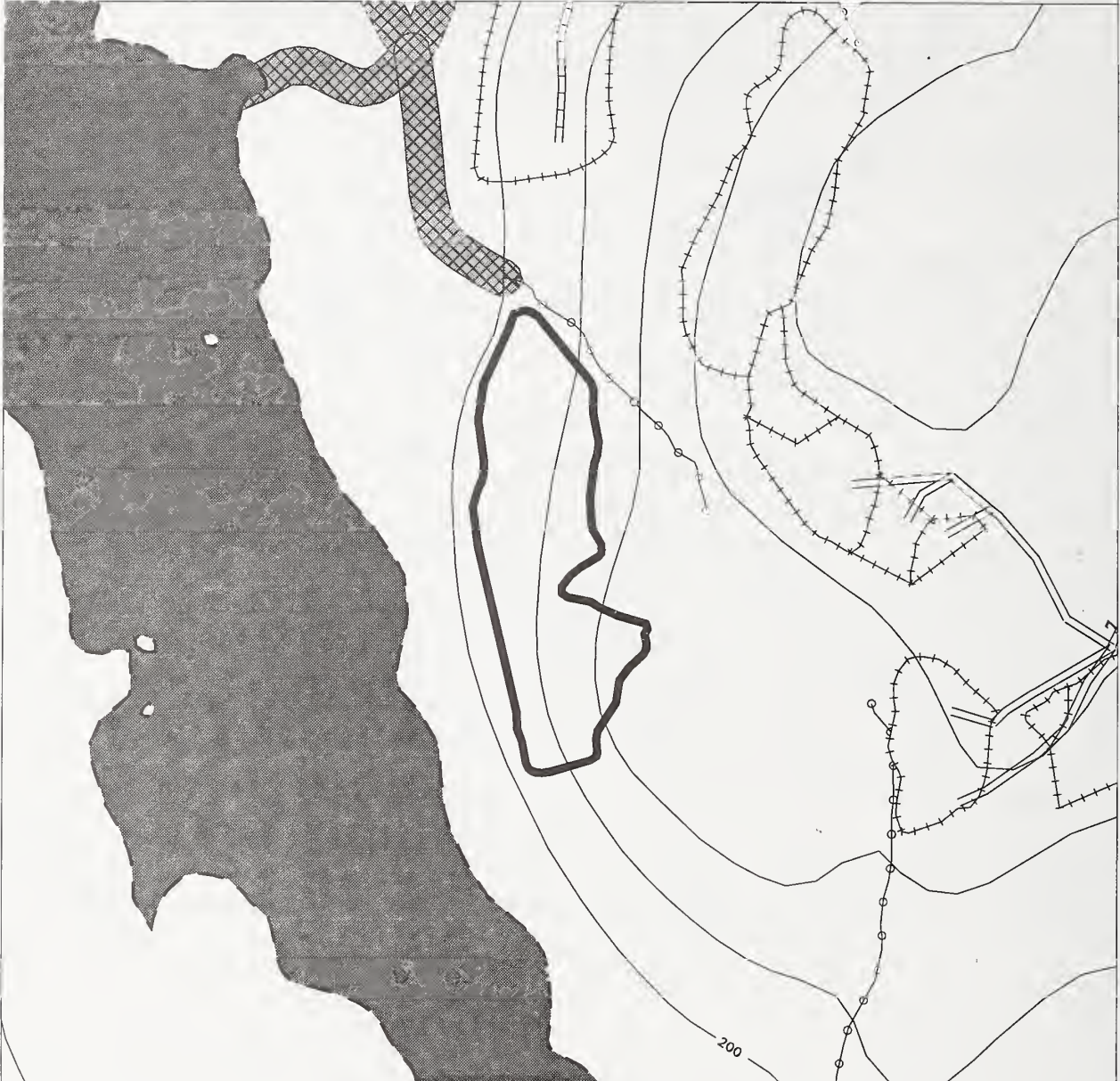
NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6334	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Plant association is mountain hemlock/blueberry, Clearcut with reserves. Light mistletoe infection.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: partial suspension required,, Soils Concerns, no profiles run, add on & yard everything to road to East of unit.
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Recommend at least partial suspension to protect steep and unstable areas; recommend full suspension on slopes steeper than 70 percent.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

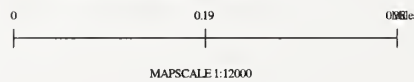
VCU: 302      UNIT NUMBER: 6341      QUAD(s): SITB5SW  
 ACRES: 36      VOLUME: 1073 MBF      HARVEST VOLUME: 537 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 50

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6341</b>	<b>VCU: 302</b>
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal for visual concerns as well as retention of a portion of overstory and understory. High blowdown incidence in area.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, 25 % maximum volume removal in groups, Soils Concerns, Visual concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Directionally fall trees away from notches; full suspension will be provided by helicopter logging.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: A v-notch that splits the northern part of the unit should be marked in orange/white flagging, and protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: Do not move boundaries any closer to the beach.</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

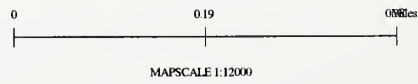
VCU: 302      UNIT NUMBER: 6342      QUAD(s): SITB5SW  
 ACRES: 13      VOLUME: 337 MBF      HARVEST VOLUME: 202 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 60

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

- H HELICOPTER
- C CABLE



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6342	<b>VCU:</b> 302
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal for visual concerns as well as to retain portion of overstory and understory.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: B.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: 4 acres can be cable logged, rest of unit helicopter, Full Suspension Required, Soils Concerns</p>	
<p>{ LANDS }                FIELD REVIEWED: Yes      REVIEWED BY: r.jacobson          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend this unit as a partial cut using a helicopter to protect oversteepened areas, v-notches, and remnant slides</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No        REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Place unit boundary above the slope break on the v-notches that lead into the class III, HC6 channels on the west end of the proposed unit.</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No        REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No        REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

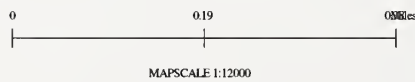
VCU: 302      UNIT NUMBER: 6343      QUAD(s): SITB5SW  
 ACRES: 11      VOLUME: 319 MBF      HARVEST VOLUME: 271 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6343

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is western hemlock/blueberry and western hemlock-Alaska cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: cable logging planned, no profiles run

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: m.dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend ensuring that boundary excludes wet soils above and below unit; recommend at least partial suspension wit full suspension over notches.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Place unit boundary above the slope break of the class III, HC6 channel along west boundary.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6344      QUAD(s): SITB5SW  
 ACRES: 10      VOLUME: 252 MBF      HARVEST VOLUME: 214 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY UNIT BOUNDARY ADJACENT UNIT NEW SPEC. ROAD TEMPORARY ROAD EXISTING SPEC. ROAD SHORELINE CLASS III STREAM	       	 MAP SCALE 1:12000 PHOTO POINT EAGLE TREE EXISTING CLEARCUTS SALTWATER AND LAKES CLASS I & II STREAM BUFFER	LOGGING SYSTEMS:  <b>c CABLE</b>      
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## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6344	<b>VCU:</b> 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Light cedar decline in area. Portions of unit are rocky.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Soils Concerns, no profiles run,
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: dalton SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None needed REMARKS: Bad areas have been deleted; recommend at least partial suspension on remainder of unit.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notches on east and south boundaries as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

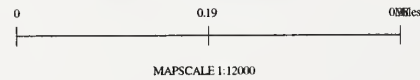
VCU: 302    UNIT NUMBER: 6345    QUAD(s): SITB5SW  
 ACRES: 5    VOLUME: 126 MBF    HARVEST VOLUME: 114 MBF  
 HARVEST PRESCRIPTION: Seed Tree    PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**c CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6345</b>	<b>VCU: 302</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is western hemlock/blueberry and western hemlock-Alaska cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen. Partial suspension recommended.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY:          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker          SPECIALISTS NEEDED: None Needed          REMARKS: The worst parts of this unit have been deleted; ensure backline is below cliffs; recommend full suspension across notches and at least partial suspension elsewhere.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

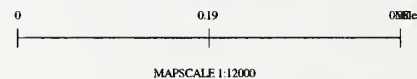
VCU: 302    UNIT NUMBER: 6361    QUAD(S): SITB5SW  
 ACRES: 20    VOLUME: 518 MBF    HARVEST VOLUME: 493 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



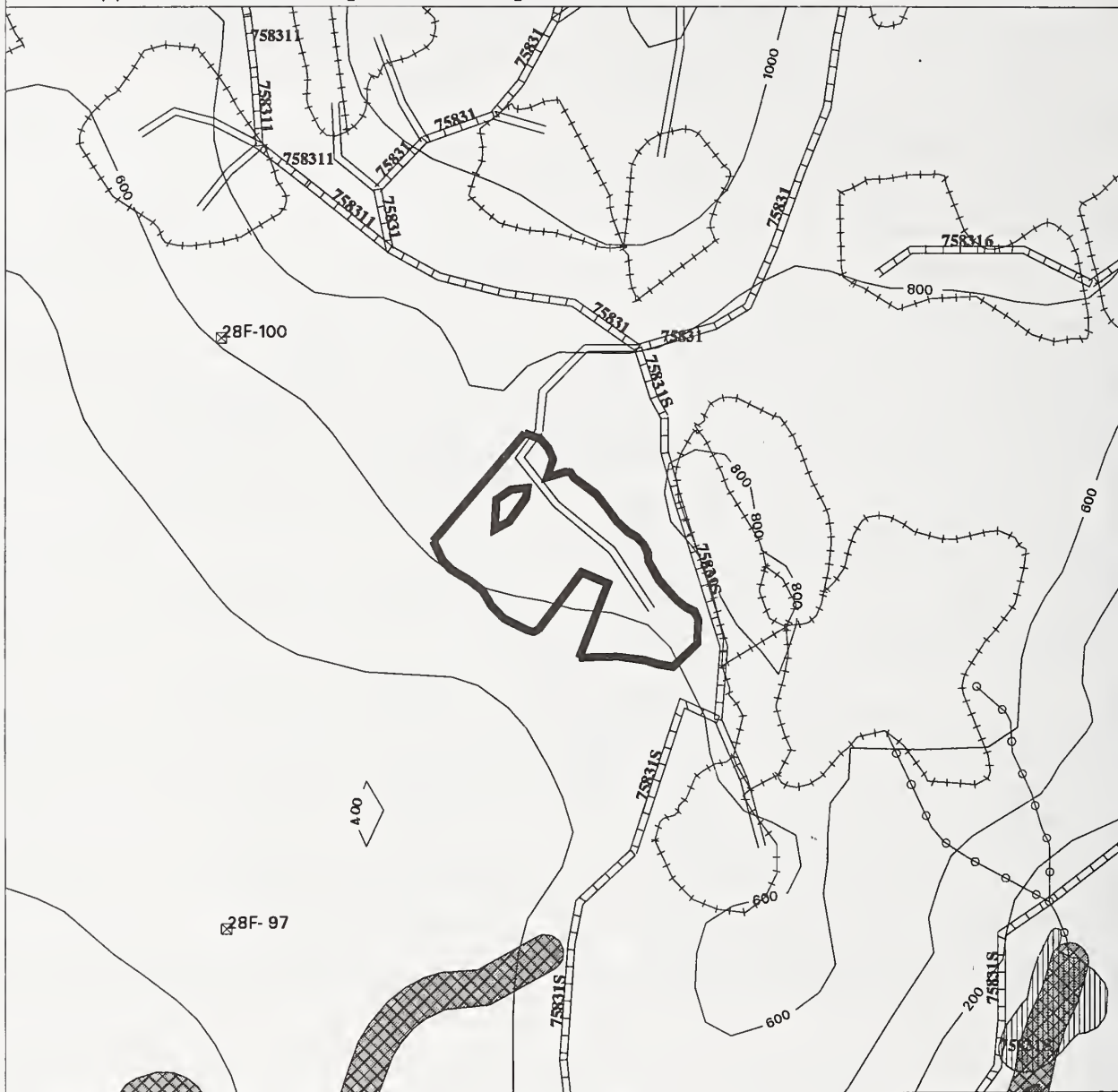
## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6361	VCU: 302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Profiles run from Landing , 1, Partial Suspension attained
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: m.dalton SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Recommend at least partial suspension to protect wet and steep slopes.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: A v-notch that splits the north end of the unit should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". The HC4 channel to the north and west of the unit is class III, and should be protected as per BMP 13.3, category "B". Class II habitat extends from the confluence of the two HC4 streams down to saltwater.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6363      QUAD(S): SITB5SW  
 ACRES: 22      VOLUME: 555 MBF      HARVEST VOLUME: 333 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 60

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY UNIT BOUNDARY ADJACENT UNIT NEW SPEC. ROAD TEMPORARY ROAD EXISTING SPEC. ROAD SHORELINE CLASS III STREAM			LOGGING SYSTEMS:  C    CABLE  
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## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 6363

VCU: 302

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is medium canopy retention, Consider  
 overstory removal to retain cedar component.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Profiles run from Landing , 1, Partial Suspension attained, Tail  
 Trees needed, 40 feet, Soils Concerns, visual concerns

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: f.glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: The worst areas have been deleted; recommend at least partial  
 suspension to protect steep slopes; directionally fall trees away from  
 notches; ~~recommend full suspension on slopes steeper than 70 percent.~~

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: A v-notch that splits the east-central portion of the unit should be  
 protected as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

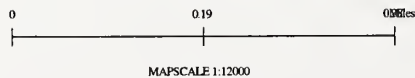
VCU: 302      UNIT NUMBER: 6364      QUAD(s): SITB5SW/SITA5NW  
 ACRES: 9      VOLUME: 227 MBF      HARVEST VOLUME: 204 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY ┌─ 4 ─┐
- UNIT BOUNDARY ▬
- ADJACENT UNIT ┌───┐
- NEW SPEC. ROAD ▬ 1700 ─
- TEMPORARY ROAD ▬▬▬
- EXISTING SPEC. ROAD ▬ 1700 ─
- SHORELINE - - -
- CLASS III STREAM ○-○-○



LOGGING SYSTEMS:

**c CABLE**

- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨
- SALTWATER AND LAKES ▩
- CLASS I & II STREAM BUFFER ▧



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6364	<b>VCU:</b> 300/302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Profiles run from Landing , 1, Partial Suspension attained, Tail Trees needed, 70 feet
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: m.dalton SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Directionally fall trees away from notches and provide full suspension over notches; Recommend at least partial suspension elsewhere.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

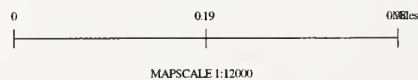
VCU: 302      UNIT NUMBER: 6371      QUAD(s): SITB5SW  
 ACRES: 13      VOLUME: 388 MBF      HARVEST VOLUME: 368 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**C** CABLE



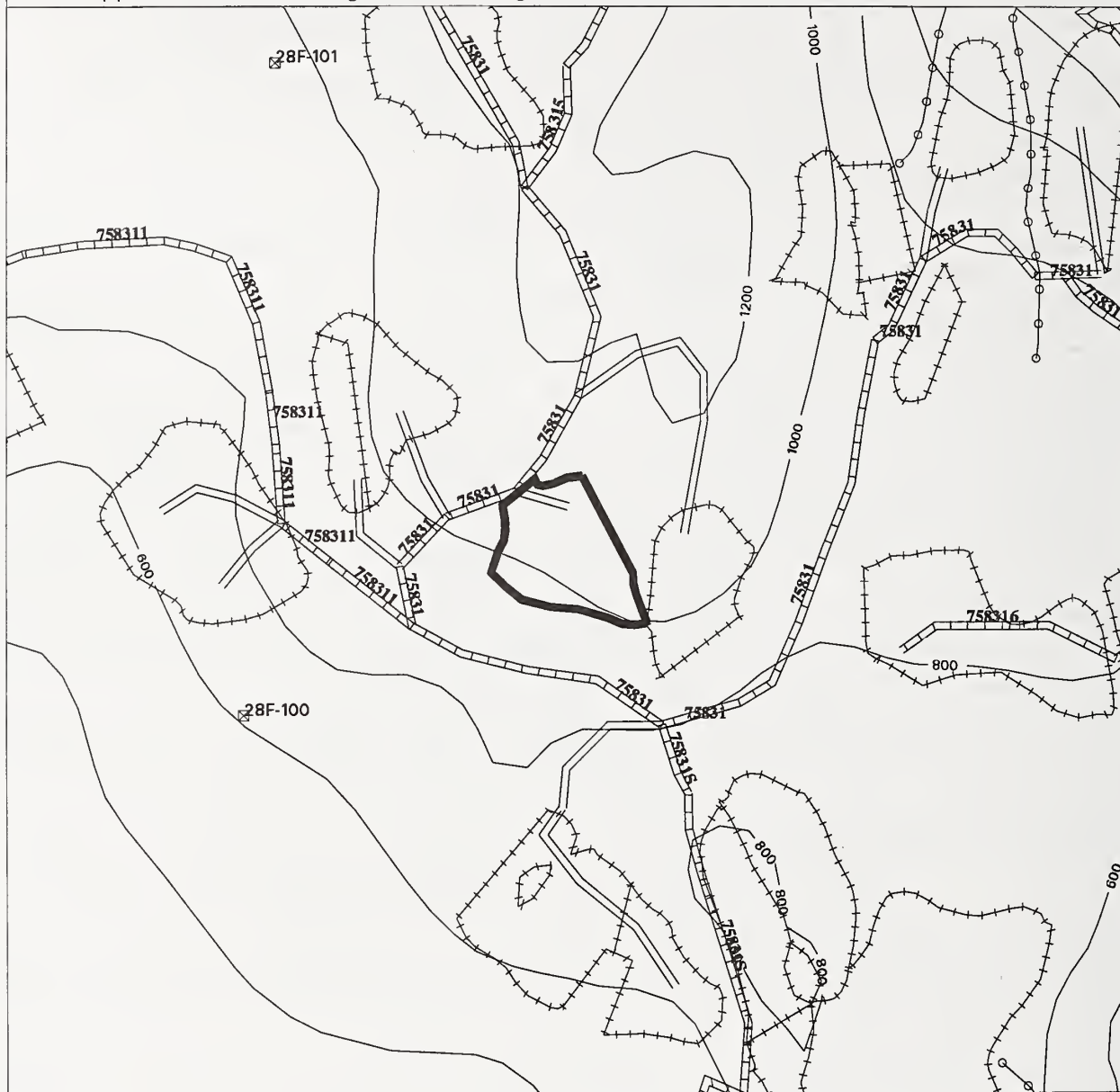
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6371</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Sitka spruce-mountain hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Soils are wet in places.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Profiles run from Landing , 1, Full Suspension Required, reduce yarding distance by 100 feet to attain full suspension.
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: g.peterson SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Directionally fall trees away from notches; recommend full suspension to protect notches.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Mark v-notch that splits center of unit in orange/white, and protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 302      UNIT NUMBER: 6372      QUAD(s): SITB5SW  
 ACRES: 11      VOLUME: 278 MBF      HARVEST VOLUME: 194 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



		200 FT CONTOUR INTERVAL			
SETTING BOUNDARY		0      0.19      0.38 Miles	LOGGING SYSTEMS:		
UNIT BOUNDARY		MAPSCALE 1:12000			
ADJACENT UNIT		C    CABLE			
NEW SPEC. ROAD		PHOTO POINT	    		
TEMPORARY ROAD		EAGLE TREE			
EXISTING SPEC. ROAD		EXISTING CLEARCUTS			
SHORELINE		SALTWATER AND LAKES			
CLASS III STREAM		CLASS I & II STREAM BUFFER			

NORTHWEST BARANOF HARVEST UNIT CARD

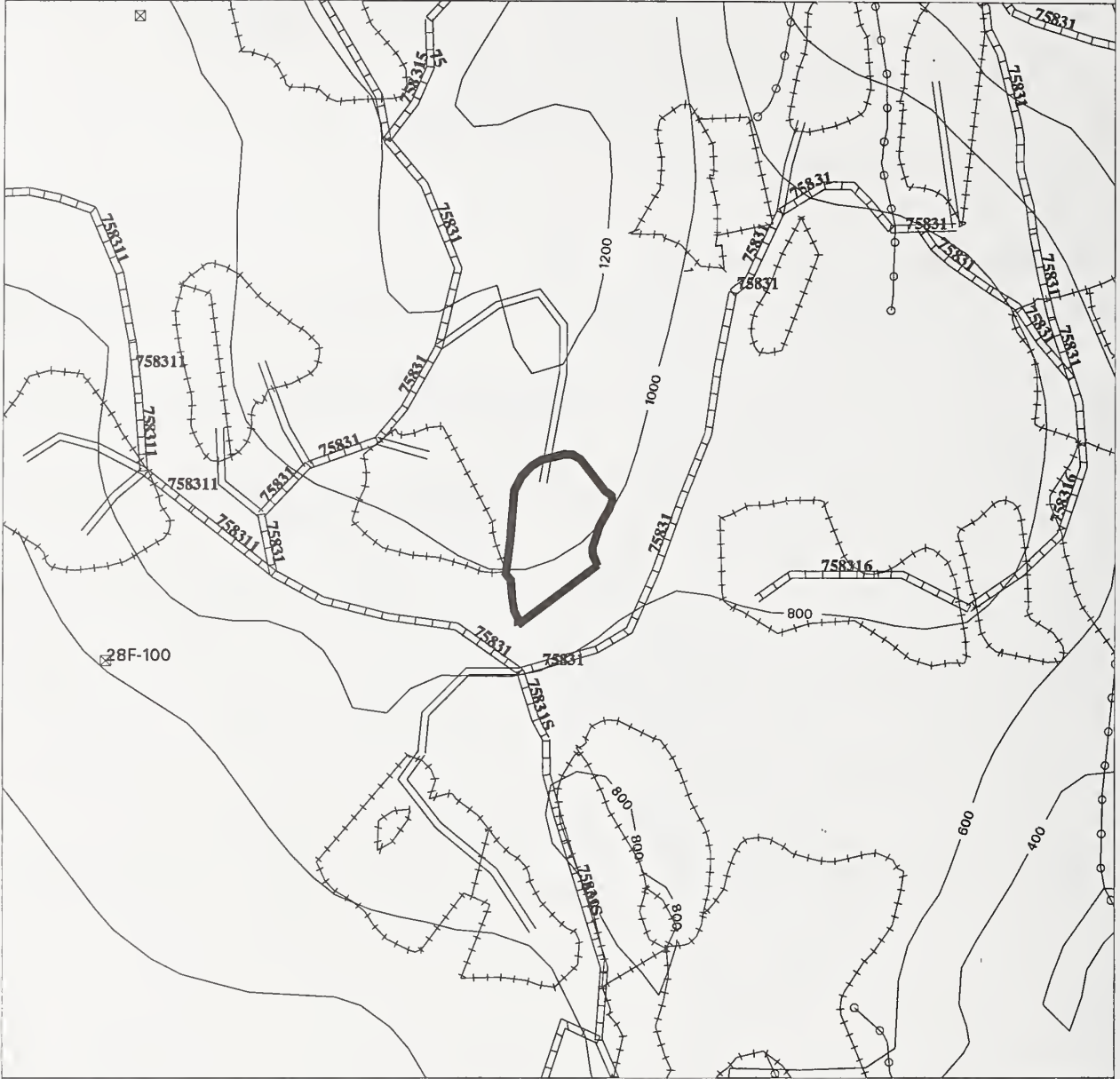
<b>UNIT: 6372</b>	<b>VCU: 302</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry/skunk cabbage, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal for releasing understory and retaining portion of overstory.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: visual concerns, cable logging possible
{ LANDS }	FIELD REVIEWED: Yes      REVIEWED BY: f.glenn SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Bad areas have been deleted; the rest looks OK.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect stream course on west boundary as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

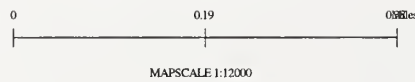
VCU: 300      UNIT NUMBER: 6373      QUAD(s): SITB5SW  
 ACRES: 9      VOLUME: 227 MBF      HARVEST VOLUME: 216 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 6373</b>	<b>VCU: 300/302</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: Partial Suspension attained, Profiles run from Landing , 1, Soils Concerns</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY:          SPECIALISTS NEEDED: None Needed          REMARKS: no concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: The worst areas have been deleted; recommend full suspension for the rest of the unit to protect steep or rocky or unstable soils.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Protect stream courses on east and south boundaries as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

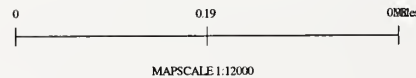
VCU: 300      UNIT NUMBER: 6391      QUAD(s): SITB5SW  
 ACRES: 3      VOLUME: 76 MBF      HARVEST VOLUME: 72 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**c** CABLE



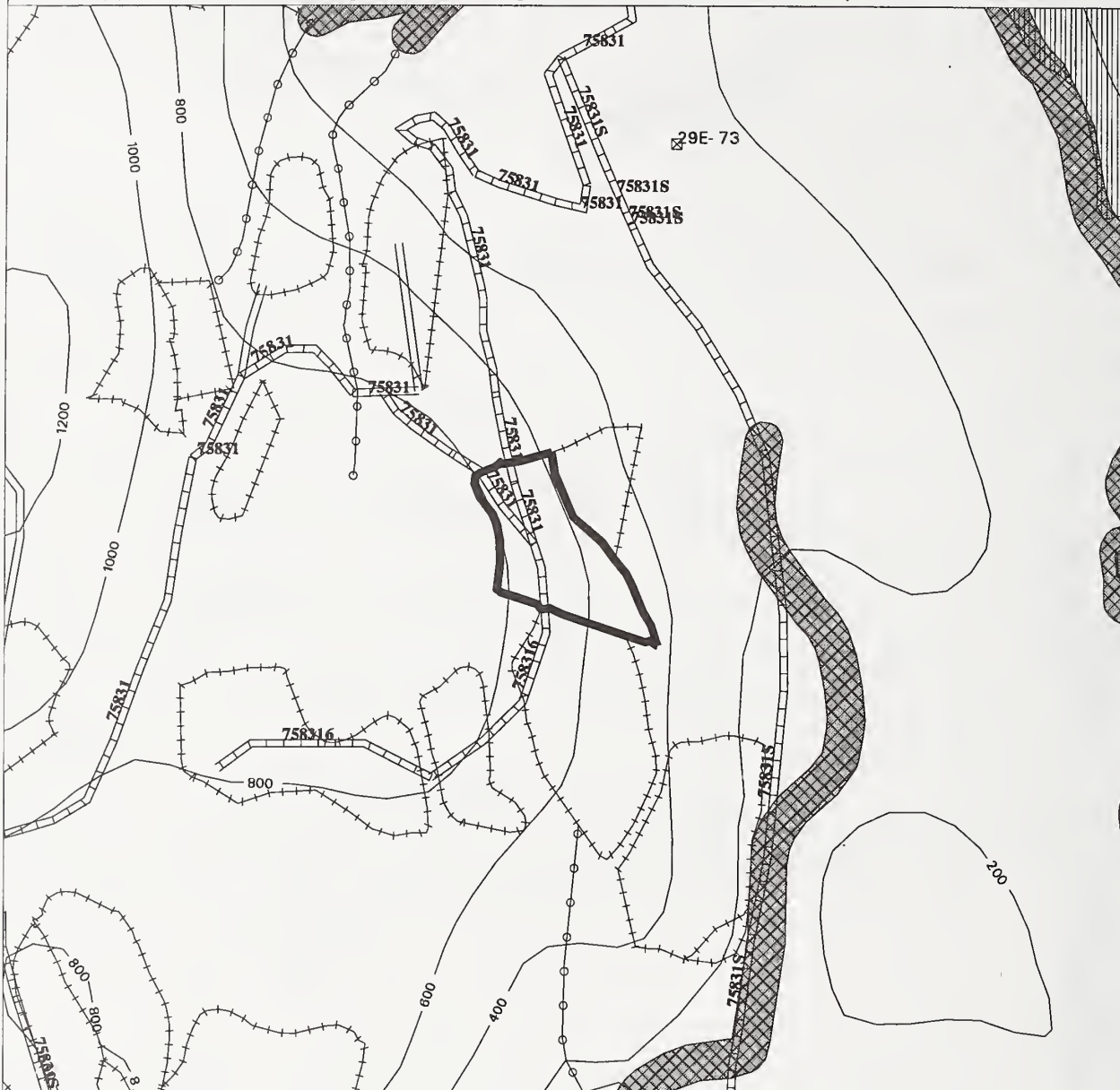
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 6391	<b>VCU:</b> 300/302
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: S.Beall          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ LANDS }                FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn          SPECIALISTS NEEDED: None Needed          REMARKS: The worst areas have been deleted but unit still contains some steep slopes; recommend at least partial suspension to protect soils.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

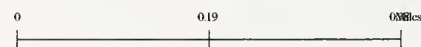
VCU: 300      UNIT NUMBER: 7001      QUAD(s): SITB5SW  
 ACRES: 13      VOLUME: 328 MBF      HARVEST VOLUME: 312 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — 4 —
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD ▬ 1700 ▬
- TEMPORARY ROAD ▬▬▬▬▬▬
- EXISTING SPEC. ROAD ▬ 1700 ▬
- SHORELINE - - - - -
- CLASS III STREAM ○ ○ ○ ○ ○



MAP SCALE 1:12000

- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▨▨▨▨▨▨
- SALTWATER AND LAKES ▩▩▩▩▩▩
- CLASS I & II STREAM BUFFER ▧▧▧▧▧▧

LOGGING SYSTEMS:

**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7001	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry/shield-fern, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: no profiles run, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Some wet areas and small cliffs are present; recommend at least partial suspension with full suspension over cliffs and very shallow soils.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

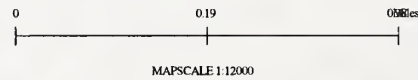
VCU: 300      UNIT NUMBER: 7002      QUAD(s): SITB5SW  
 ACRES: 18      VOLUME: 454 MBF      HARVEST VOLUME: 432 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — 4 —
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD = 1700 =
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD = 1700 =
- SHORELINE - - - - -
- CLASS III STREAM ○ — ○ — ○



LOGGING SYSTEMS:

**c CABLE**

- PHOTO POINT ⊗
- EAGLE TREE ⊕
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▨



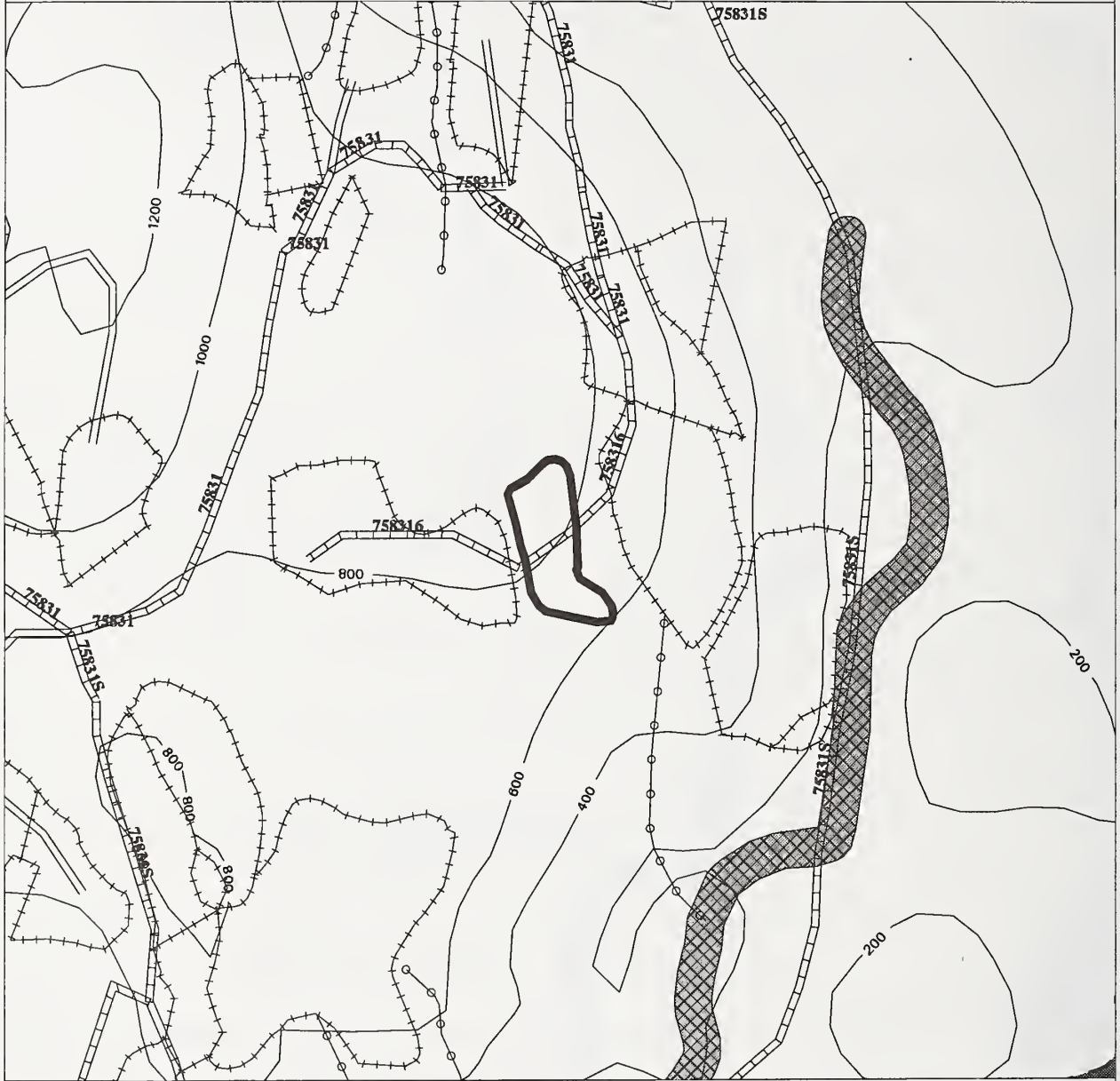
## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7002	<b>VCU:</b> 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/menziesia. , Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Full suspension required, profile run and feasible, Tail Trees needed, 40 feet, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Recommend full suspension or preferably helicopter; otherwise delete areas steeper than 75%
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: A class III, HC6 channel splits the unit from north to south. Mark with orange/white flagging, and protect as per BMP 13.3, category "B". A tributary to the HC6 channel runs along the west side of the proposed unit. Place the boundary at or above the slope break. Another stream runs along the NE boundary. Protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

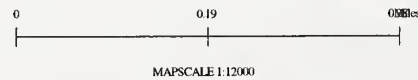
VCU: 300      UNIT NUMBER: 7003      QUAD(s): SITB5SW  
 ACRES: 7      VOLUME: 177 MBF      HARVEST VOLUME: 168 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**C CABLE**

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7003

VCU: 300

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar, particularly in upper unit.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns, no profiles run

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Foster  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Recommend at least partial suspension with full suspension over notches and benches

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Protect v-notch along east boundary as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

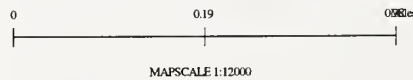
VCU: 300      UNIT NUMBER: 7004      QUAD(s): SITB5SW  
 ACRES: 19      VOLUME: 479 MBF      HARVEST VOLUME: 455 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

**C CABLE**



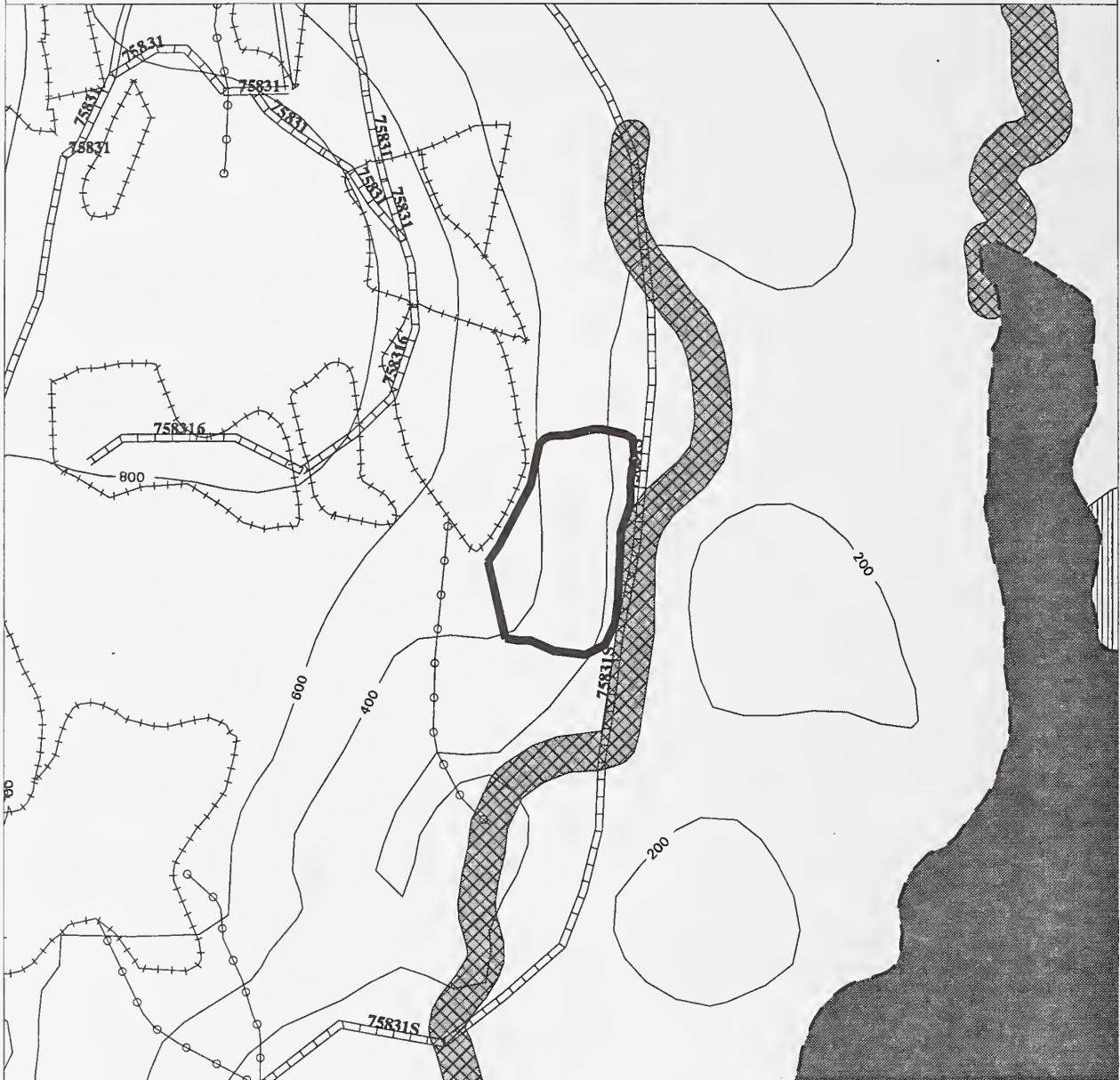
## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7004	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: no profiles run
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: R.Foster SPECIALISTS NEEDED: None Needed REMARKS: Recommend at least partial suspension with full suspension over wet areas steeper than 45%
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notch on the east boundary as per BMP 13.3, category "B". A v-notch bisects the narrow center of the unit, and another v-notch occurs at the NW corner of the unit. Mark with orange/white flagging, and protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

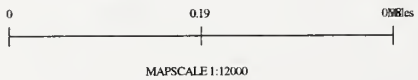
VCU: 300      UNIT NUMBER: 7005      QUAD(s): SITB5SW  
 ACRES: 19      VOLUME: 479 MBF      HARVEST VOLUME: 455 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7005

VCU: 300

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/menziesia. ,  
 Silvicultural diagnosis for treatment is low canopy retention, Clearcut with  
 reserves. Consider planting cedar.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required, no concerns

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Bad areas have been deleted; the remaining portion of this units  
 looks OK.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: B.Light  
 REMARKS: Class II fish stream marked in blue/white flagging on east boundary.  
 Protect as per BMP 12.6a and 12.6. Mark the stream that bisects the center of  
 the unit in orange/white flagging, and protect as per BMP 13.3, category "B".  
 Place SW boundary at or above the slope break into the class III, HC6 channel.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7006		VCU: 300	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: S.Beall	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock-yellow cedar/menziesia. , Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn	
SPECIALISTS NEEDED: None Needed			
REMARKS: cable yarding possible, no concerns			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: F.Glenn	
SPECIALISTS NEEDED: None Needed			
REMARKS: Oversteepened, unstable, dissected areas have been deleted; the remaining unit looks OK.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: No concerns			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7161	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to retain portion of overstory and understory, as well as protect shallow, wet soils.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, slope restriction 75 %, buffer v notches, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None needed REMARKS: Unit contains some steep and wet areas; soils will be protected by full suspension provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: J.Winn (soils) REMARKS: Place NW boundary well above the slope break of the HC6 channel to avoid extreme soil mass movement hazard.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7162

VCU: 300

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: field data missing, does not appear that has any problems

{ LANDS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: no concerns

{ SOILS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit may contain a blindlead; recommend at least partial suspension to minimize disturbance; recommend deleting area with potential blindlead if unable to get at least partial suspension; request that a soil scientist be notified if potential soils problems are identified during layout.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Mark v-notch in center of unit in orange/white flagging, and protect as per BMP 13.3, category "B". Maintain minimum of 100' stream buffer on Class II, HC3 channel on back side of unit (BMP 12.6a and 12.6).

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

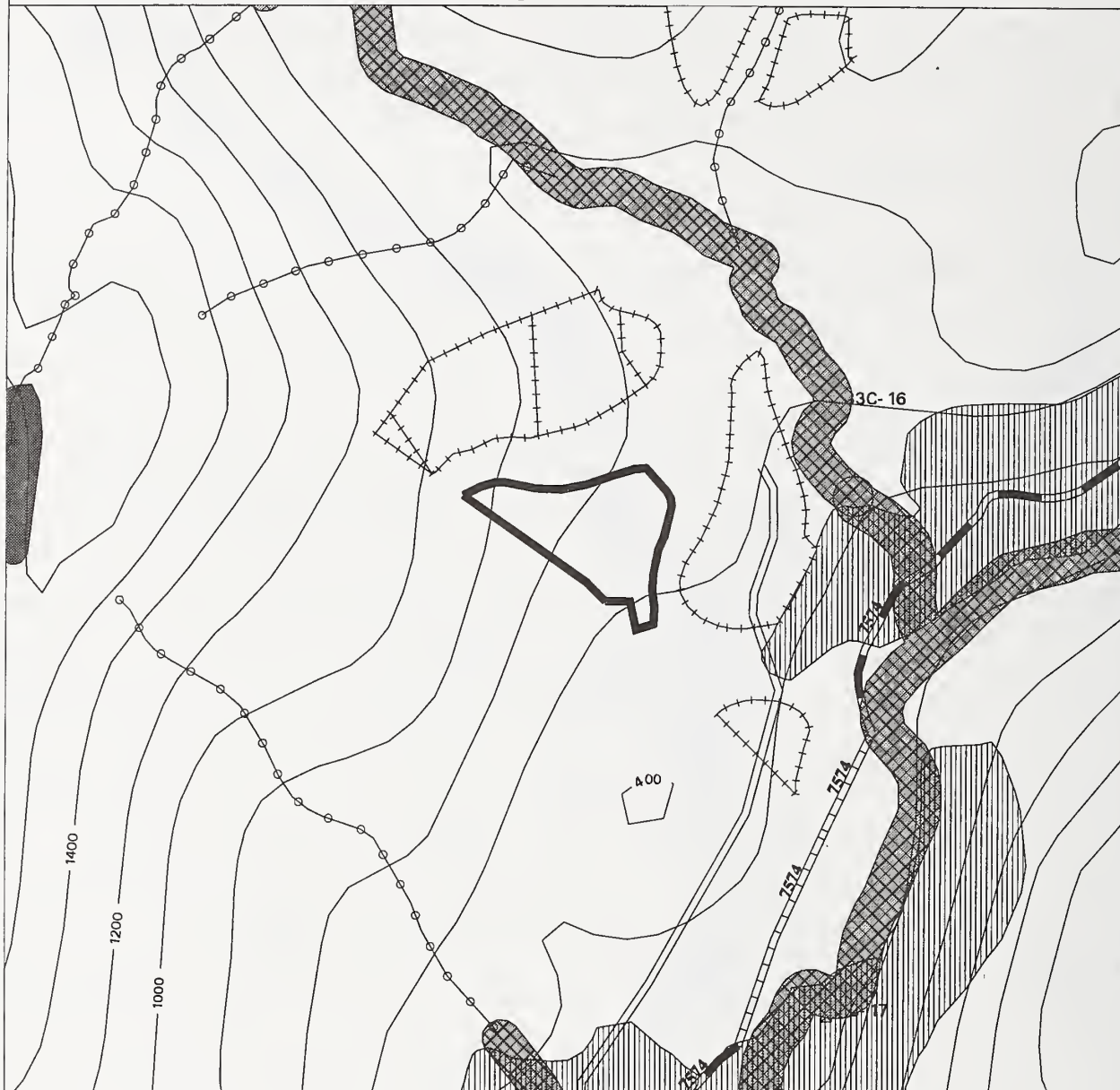
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

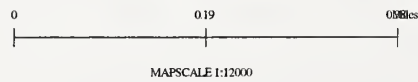
VCU: 300      UNIT NUMBER: 7163      QUAD(s): SITB5SE  
 ACRES: 13      VOLUME: 333 MBF      HARVEST VOLUME: 283 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- |                     |  |
|---------------------|--|
| SETTING BOUNDARY    |  |
| UNIT BOUNDARY       |  |
| ADJACENT UNIT       |  |
| NEW SPEC. ROAD      |  |
| TEMPORARY ROAD      |  |
| EXISTING SPEC. ROAD |  |
| SHORELINE           |  |
| CLASS III STREAM    |  |



- |                            |  |
|----------------------------|--|
| PHOTO POINT                |  |
| EAGLE TREE                 |  |
| EXISTING CLEARCUTS         |  |
| SALTWATER AND LAKES        |  |
| CLASS I & II STREAM BUFFER |  |

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7163	<b>VCU:</b> 300
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, Soils Concerns</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Bad areas are already deleted; recommend directional falling away from v-notches; full suspension will be provided by helicopter logging.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light to verify the extent of class II fish habitat.          REMARKS: A v-notch bisects the northern half of the unit. Mark in orange/white flagging, and protect as per BMP 13.3, category "B". Place north boundary at or above the slope break of the class III, HC6 channel, and protect as per BMP 13.3, category "B". The SE corner of the unit has 0.4 acres of mapped riparian habitat. This area has a small stream that is potential class II fish habitat. The unit boundary should be placed to avoid the riparian habitat, and protect the small channel as per BMP 12.6a and 12.6. The lower unit boundary runs along an unmapped stream. Mark the extent of class II fish habitat in blue/white flagging, and protect as per BMP 12.6a and 12.6 by providing a minimum 100' stream buffer.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

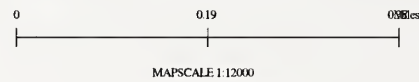
VCU: 300    UNIT NUMBER: 7164    QUAD(S): SITB5SE  
 ACRES: 4    VOLUME: 101 MBF    HARVEST VOLUME: 96 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**C CABLE**



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7164	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is mixed conifer/blueberry/skunk cabbage, silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no profiles run, too small a unit, possible shovel unit
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: Some blowdown is present; recommend at least partial suspension to minimize surface disturbance; if serious soils problems are identified prior to or during layout, recommend deleting this small unit.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area





NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7221	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: Soils REMARKS: Plant association is Western hemlock-yellow cedar/blueberry and mixed conifer/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect soils where possible, Consider overstory removal to retain portion of overstory and protect soils. Unit very dissected. Buffer all v-notches, with large buffer on bottom.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, no other concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Some wet areas are present; soils will be protected by full suspension provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: J.Winn (soils), B.Lorenz or D.Kelliher (hydrologist) REMARKS: Class II fish habitat ends at the south end of the unit, however, the high soil mass movement hazard, and indicators of recent surface erosion warrant an extended class III buffer as per BMP 13.16. The lower unit boundary should be placed well back from the stream and active slide zones, and leave a stable, vegetated buffer. At least four v-notches should be marked in orange/white flagging and protected as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area



## NORTHWEST BARANOF HARVEST UNIT CARD

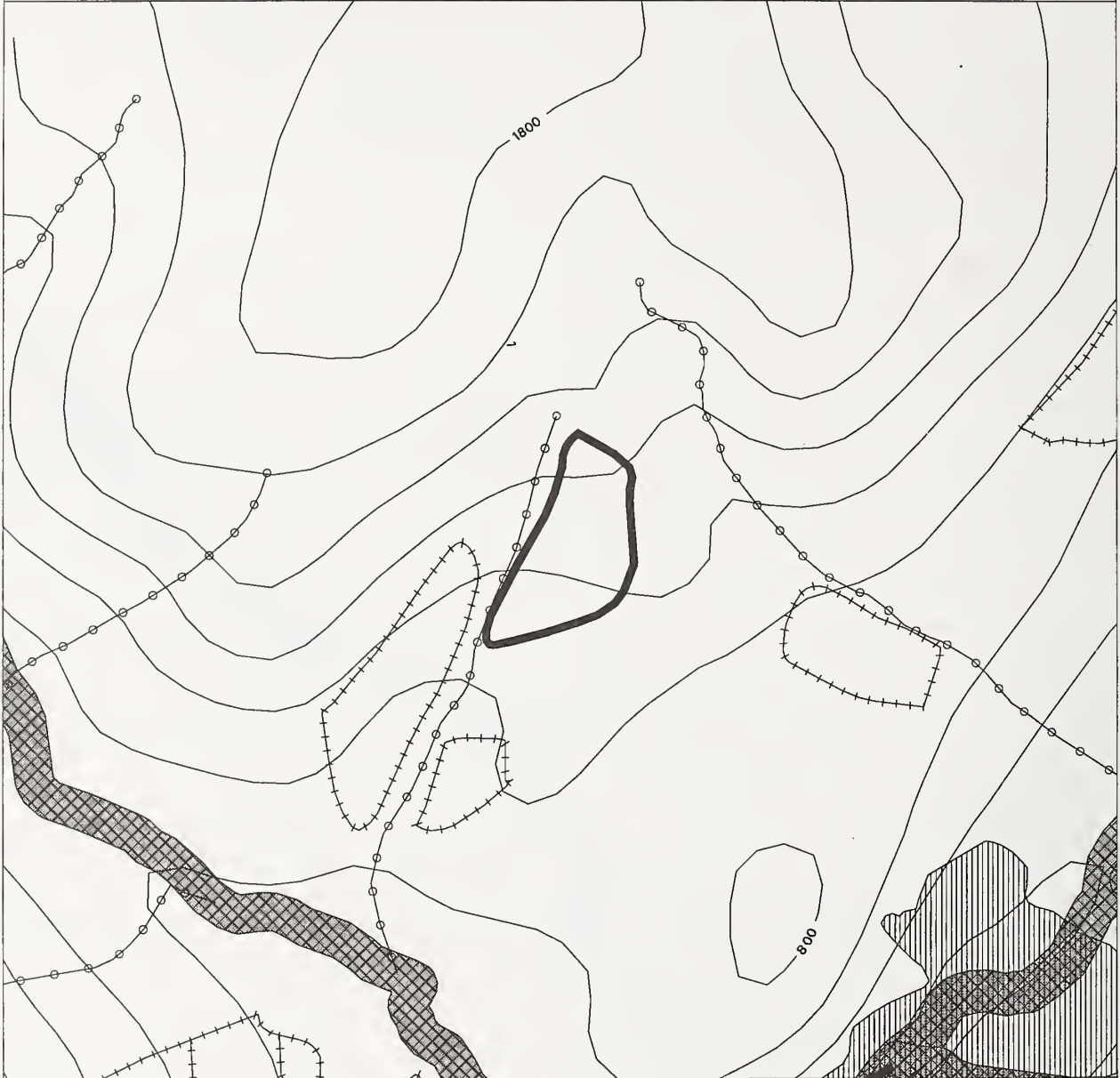
UNIT: 7222	VCU: 300
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan
SPECIALISTS NEEDED: None Needed	
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry and Sitka spruce/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect soils where possible, Protect regeneration where possible, Consider overstory removal to release understory and retain portion of overstory.	
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson
SPECIALISTS NEEDED: None Needed	
REMARKS: Helicopter Yarding Required, no other concerns	
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed	
REMARKS: No Concerns	
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson
SPECIALISTS NEEDED: None Needed	
REMARKS: No soils concerns.	
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed	
REMARKS: Maintain boundary above the slope break to the HC6 channel. Class II fish habitat begins just downstream from the SW corner of the unit.	
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries
SPECIALISTS NEEDED: None Needed	
REMARKS: See Fisheries For Remarks	
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed	
REMARKS: Pending	
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed	
REMARKS: Within visual quality objective	
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed	
REMARKS: No specific concerns	
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed	
REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

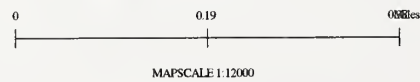
VCU: 300    UNIT NUMBER: 7223    QUAD(s): SITB5SE  
 ACRES: 14    VOLUME: 353 MBF    HARVEST VOLUME: 283 MBF  
 HARVEST PRESCRIPTION: Overstory Removal    PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

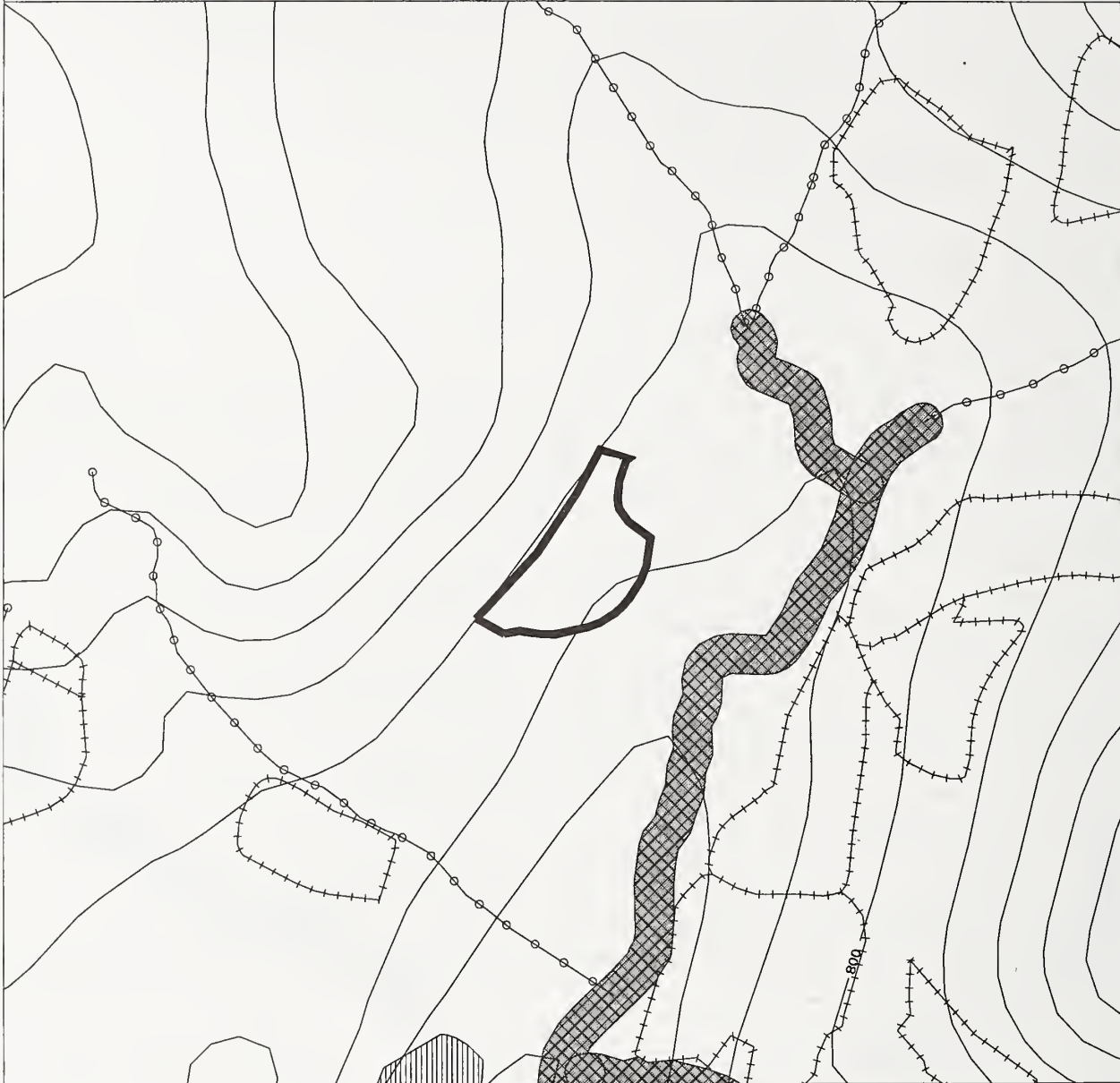
<b>UNIT:</b> 7223	<b>VCU:</b> 300
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect soils where possible, Consider overstory removal to release cedar understory and retain portion of overstory.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, no other concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: No soils concerns.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Lorenz or J.Winn          REMARKS: At least two v-notches in the center of the unit should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". Maintain a vegetated buffer between the upper end of the HC5 channel and the unit, with selective removal of merchantable trees (BMP 13.16).</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

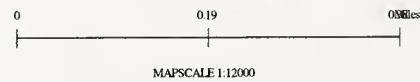
VCU: 300      UNIT NUMBER: 7262      QUAD(s): SITB5SE  
 ACRES: 12      VOLUME: 335 MBF      HARVEST VOLUME: 268 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7262	<b>VCU:</b> 300
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: S.Beall          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry/skunk cabbage,          Silvicultural diagnosis for treatment is low canopy retention, Clearcut with          reserves. Consider planting cedar. Unit very dissected with shallow soils.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, Soils Concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Bad areas have been deleted; remaining unit looks OK.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Three v-notches that bisect the unit should be marked in orange/white          flagging, and protected as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

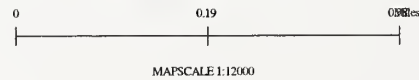
VCU: 300      UNIT NUMBER: 7264      QUAD(s): SITB5SE  
 ACRES: 9      VOLUME: 268 MBF      HARVEST VOLUME: 255 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER





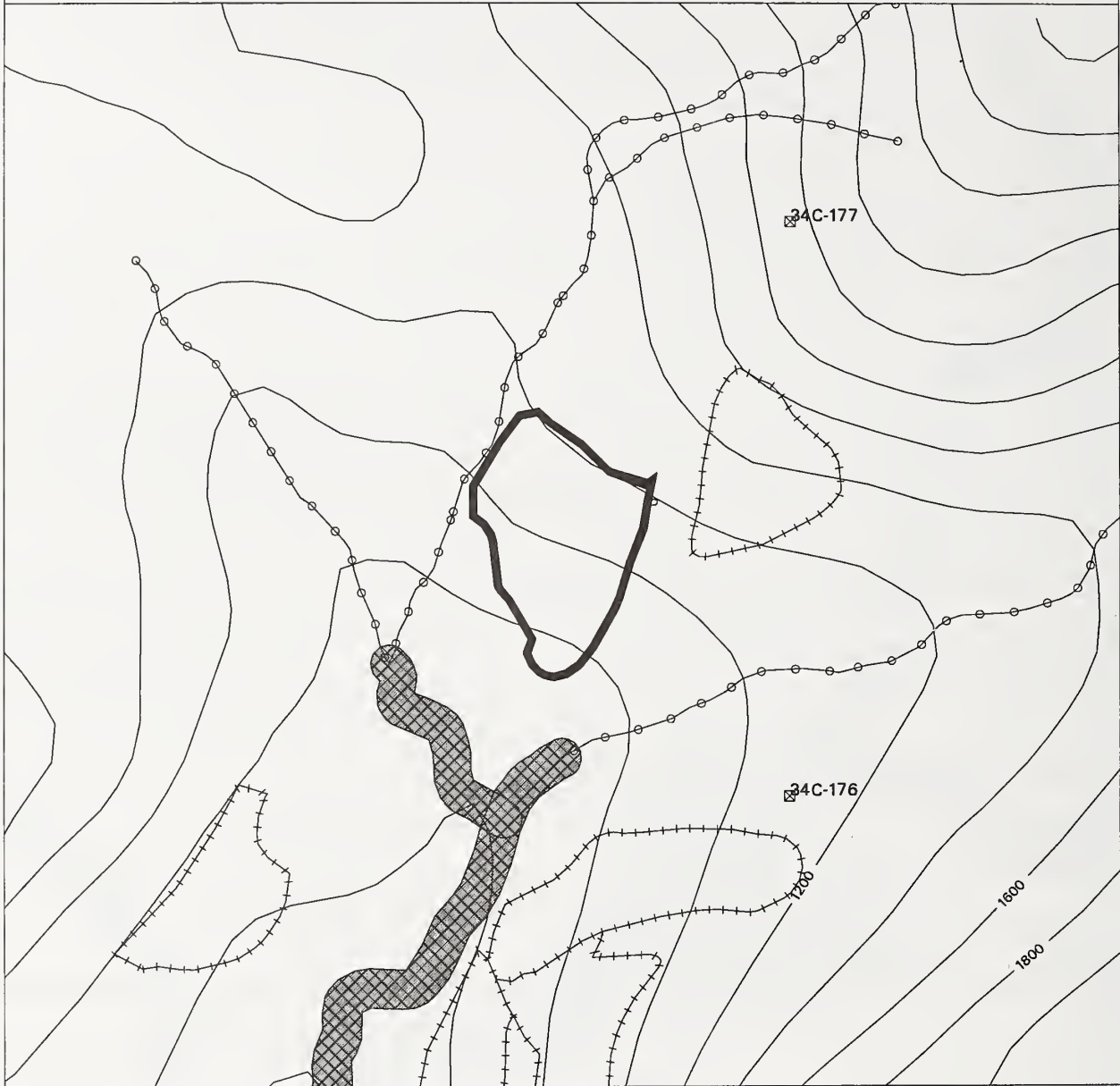
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7264	<b>VCU:</b> 300
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: S.Beall          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is mixed conifer/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, no other concerns</p>	
<p>{ LANDS }              FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Small slumps have been identified and unit contains v-notches; recommend directional falling away from notches; full suspension will be provided by helicopter logging.</p>	
<p>{ FISHERIES }         FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: J.Winn (soils)          REMARKS: One or more branches of the mapped class III, HC6 channel runs through the northern part of the unit. Mark with orange/'white flagging, and protect as per BMP 13.3, category "B". Unit abuts an existing slide. Seek soils scientist aid in placing boundary on NW end to avoid triggering a slide in the mapped high hazard soils area.</p>	
<p>{ HYDROLOGY }        FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }         FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }            FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }        FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }         FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

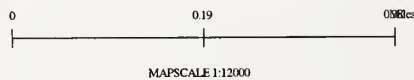
VCU: 300      UNIT NUMBER: 7272      QUAD(s): SITB5SE  
 ACRES: 23      VOLUME: 580 MBF      HARVEST VOLUME: 116 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7272		VCU: 300	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: K.Barkhau	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection, keep size of groups less than 2 acres.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: No soils concerns.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: J.Winn (soils) or hydrologist			
REMARKS: Corrugated v-notches split the unit. Five notches should be marked with orange/white flagging, and protected as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			



NORTHWEST BARANOF HARVEST UNIT CARD

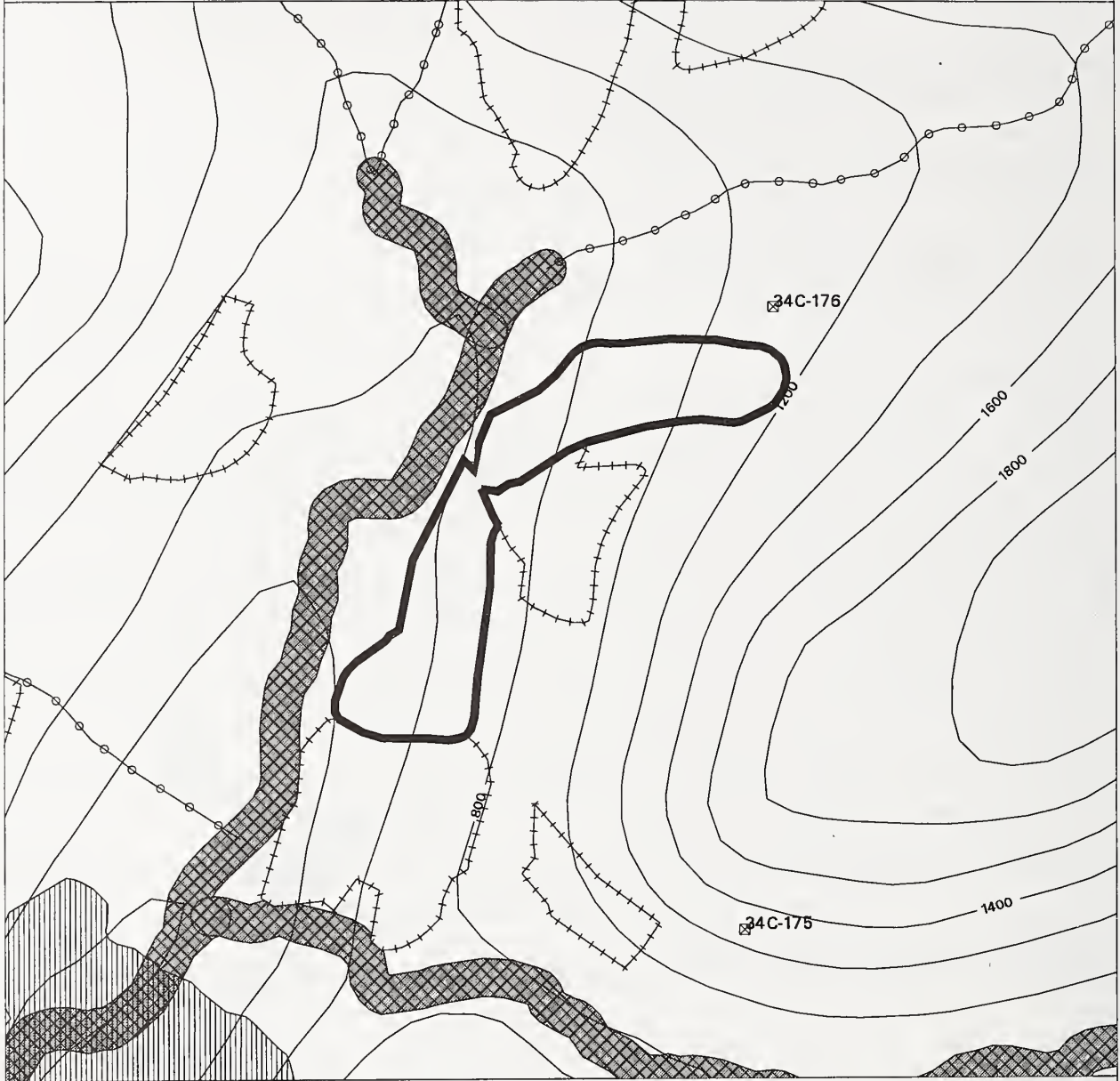
UNIT: 7273		VCU: 300	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: K.Barkhau	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is mountain hemlock-Sitka spruce/blueberry and western hemlock-Alaska cedar/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection, with groups less than 2 acres in size.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Recommend that group selections are located so as to minimize impact to the notches in the unit; full suspension will be provided by helicopter logging.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: Mark v-notch in center of unit with orange/white flagging, and protect as per BMP 13.3, category "B". Place west boundary at or above the slope break of the v-notch on the west boundary.			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

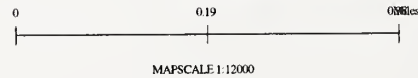
VCU: 300      UNIT NUMBER: 7281      QUAD(s): SITB5SE  
 ACRES: 38      VOLUME: 1009 MBF      HARVEST VOLUME: 202 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

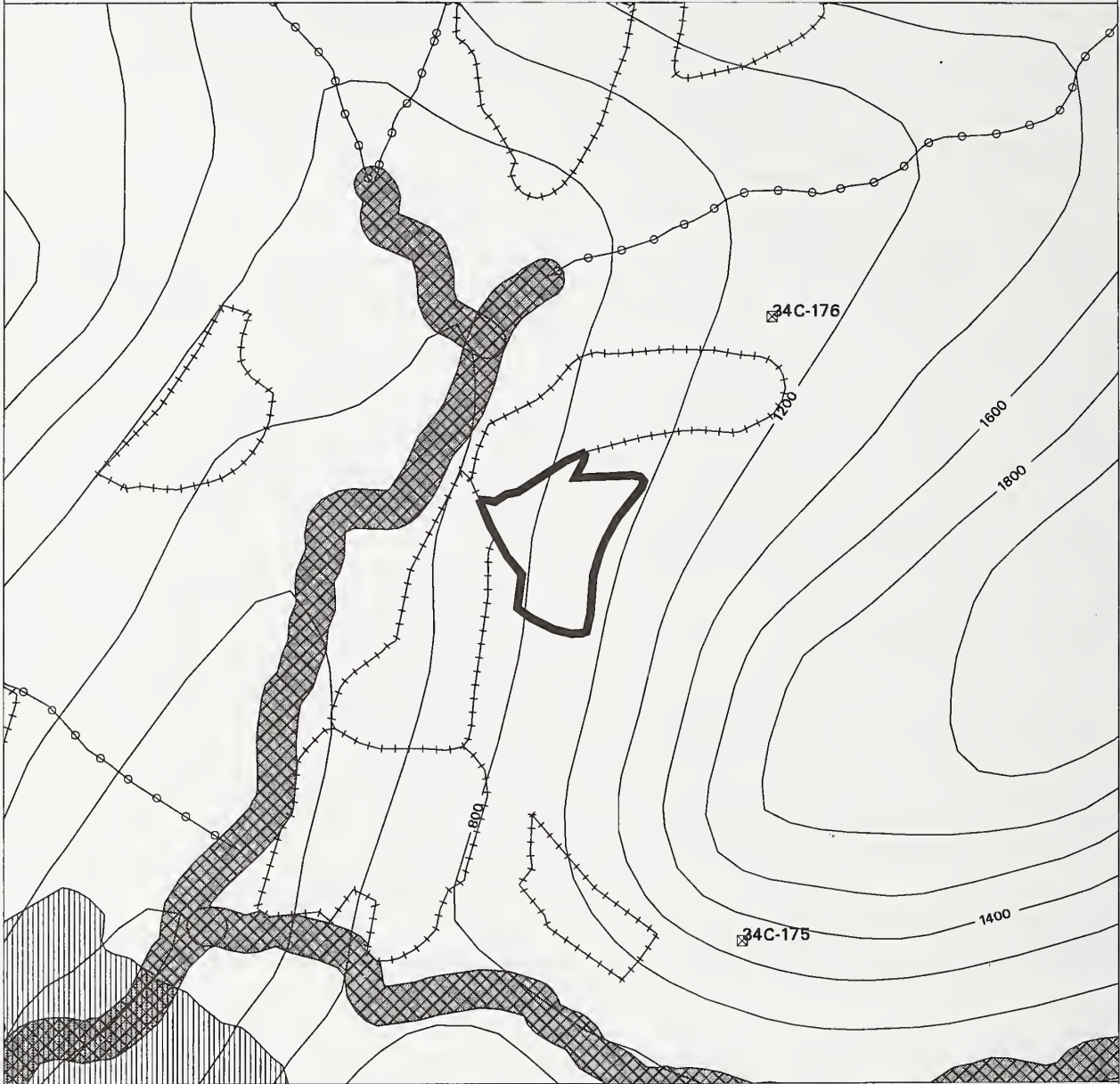
<b>UNIT: 7281</b>	<b>VCU: 300</b>
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: K.Barkhau SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection with groups less than 2 acres in size.
{ TIMBER }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: No Concerns, Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: Soils REMARKS: Unit is dissected and contains old slumps and wet areas; request that a soil scientist be present during layout to help determine location of group selections; full suspension will be provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Five v-notches split the unit. Mark with orange/white flagging and protect as per BMP 13.3, category "B". Protect mapped class II, MC2 channel west of unit as per BMP 12.6a and 12.6.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

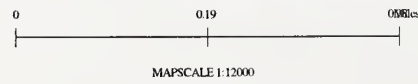
VCU: 300      UNIT NUMBER: 7282      QUAD(s): SITB5SE  
 ACRES: 12      VOLUME: 303 MBF      HARVEST VOLUME: 61 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7282	<b>VCU:</b> 300
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,          Silvicultural diagnosis for treatment is high canopy retention, Consider group          selection with group size less than 2 acres.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: Soils          REMARKS: Unit contains oversteepened slopes, some existing slumps and slides,          and is dissected; request soil scientist presence during layout to help          determine where group selections will be made.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Two v-notches split the unit. Mark with orange/white flagging and          protect as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

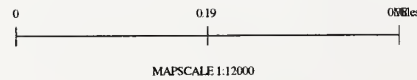
VCU: 300      UNIT NUMBER: 7283      QUAD(s): SITB5SE  
 ACRES: 27      VOLUME: 800 MBF      HARVEST VOLUME: 160 MBF  
 HARVEST PRESCRIPTION: Group Selection      PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H HELICOPTER**



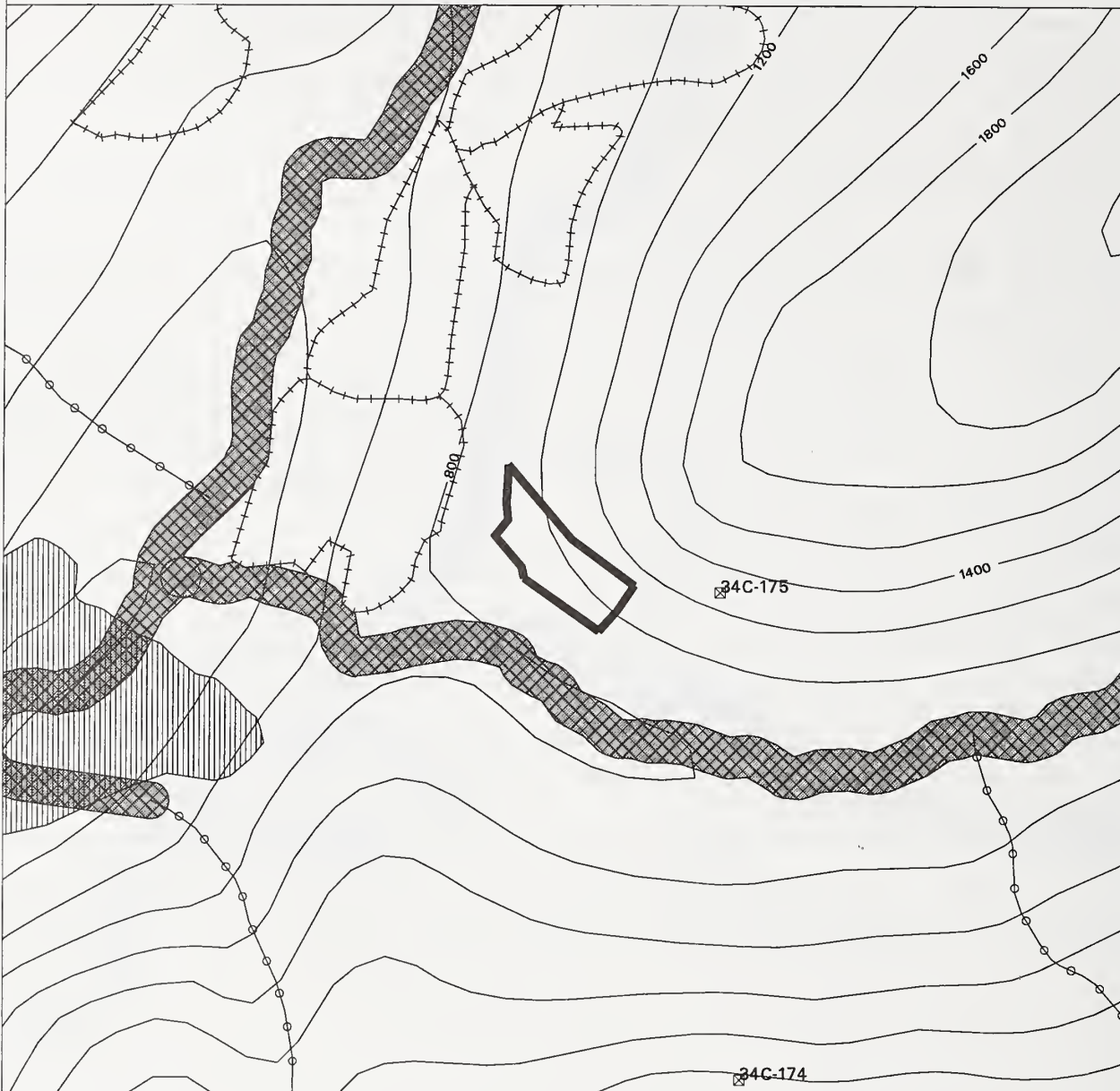
NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7283	<b>VCU:</b> 300
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,          Silvicultural diagnosis for treatment is high canopy retention, Consider group          selection with size of groups less than 2 acres.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue          SPECIALISTS NEEDED: None Needed          REMARKS: Bad areas have been deleted; remaining unit looks OK.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: A v-notch splits the unit. Mark with orange/white flagging and          protect as per BMP 13.3, category "B". Protect mapped class II, MC2 channel          west of unit as per BMP 12.6a and 12.6. Protect class III (incorrectly mapped          as class II in GIS), HC3 channel south of unit with buffer as per BMP 13.16.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

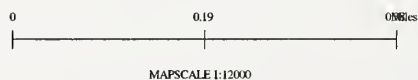
VCU: 300    UNIT NUMBER: 7284    QUAD(s): SITB5SE  
 ACRES: 7    VOLUME: 181 MBF    HARVEST VOLUME: 36 MBF  
 HARVEST PRESCRIPTION: Group Selection    PERCENT VOLUME HARVESTED: 20

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7284	VCU: 300
{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is high canopy retention, Consider group selection with size of groups 2 acres or less.	
{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required	
{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns	
{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue SPECIALISTS NEEDED: Soils REMARKS: Many of the bad areas have been deleted; some oversteep slopes, existing slides or slumps, and v-notches remain; request soils scientist presence during layout to help determine location of group selections.	
{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Mark v-notch in center of unit with orange/white flagging, and protect as per BMP 13.3, category "B". Protect class III HC3 channel to south of unit with buffer as per BMP 13.16.	
{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks	
{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending	
{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective	
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns	
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area	



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7291	VCU: 300/302
{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: S.Beall SPECIALISTS NEEDED: Soils REMARKS: Plant association is Sitka spruce/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Protect soils where possible. <del>Consider overstory removal to protect soils and retain portion of overstory.</del>	
{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: 5 acres cable loggable, remove up to 1/3 of volume to retain root strength, rest of unit helicopter and full suspension	
{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns	
{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Most of the bad areas have been deleted but some oversteepened and unstable areas remain; helicopter logging will provide full suspension to minimize disturbance to these areas.	
{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: None Provided	
{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks	
{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending	
{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.	
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns	
{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

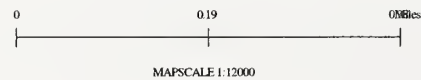
VCU: 300    UNIT NUMBER: 7292    QUAD(S): SITB5SW  
 ACRES: 12    VOLUME: 303 MBF    HARVEST VOLUME: 257 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 7292	VCU: 300/302
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: S.Beall SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: F.Glenn SPECIALISTS NEEDED: None Needed REMARKS: Most of the bad areas have been deleted but some wet and oversteepened areas remain; disturbance to soils will be minimized by full suspension provided by helicopter logging.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: None Provided
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

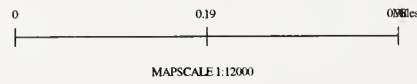
VCU: 300      UNIT NUMBER: 7293      QUAD(S): SITB5SW  
 ACRES: 34      VOLUME: 858 MBF      HARVEST VOLUME: 815 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 1 4
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD —————
- EXISTING SPEC. ROAD 1700
- SHORELINE - - - - -
- CLASS III STREAM ○ — ○ — ○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ⊠

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 7293	<b>VCU:</b> 300/302
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: S.Beall  SPECIALISTS NEEDED: None Needed  REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue  SPECIALISTS NEEDED: None Needed  REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS }                FIELD REVIEWED: No        REVIEWED BY: J.Morrell  SPECIALISTS NEEDED: None Needed  REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: G.Virtue  SPECIALISTS NEEDED: None Needed  REMARKS: Cliffs in vicinity of northwest corner of unit - ensure boundary avoids this area; helicopter logging will provide full suspension over unit which will minimize soil disturbance.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No        REVIEWED BY: No Reviewer  SPECIALISTS NEEDED: None Needed  REMARKS: None Provided</p>	
<p>{ HYDROLOGY }         FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries  SPECIALISTS NEEDED: None Needed  REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No        REVIEWED BY: C.Hartmann  SPECIALISTS NEEDED: None Needed  REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk  SPECIALISTS NEEDED: None Needed  REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION }        FIELD REVIEWED: No        REVIEWED BY: B.Flynn  SPECIALISTS NEEDED: None Needed  REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No        REVIEWED BY: R.Myron  SPECIALISTS NEEDED: None Needed  REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

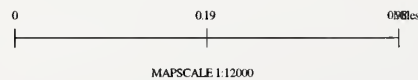
VCU: 299      UNIT NUMBER: 8011      QUAD(s): SITB4SW  
 ACRES: 6      VOLUME: 179 MBF      HARVEST VOLUME: 170 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 8011 VCU: 299

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No soils concerns.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns.

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for unit 8011. No sites identified.

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

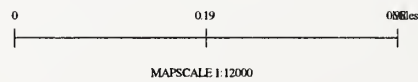
VCU: 299      UNIT NUMBER: 8021      QUAD(s): SITB4SW  
 ACRES: 6      VOLUME: 179 MBF      HARVEST VOLUME: 170 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



LOGGING SYSTEMS:

**H** HELICOPTER

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 8021	VCU: 299
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: No concerns.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

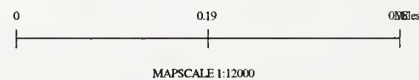
VCU: 299      UNIT NUMBER: 8022      QUAD(s): SITB4SW/SITA4NW  
 ACRES: 11      VOLUME: 278 MBF      HARVEST VOLUME: 250 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 8022</b>	<b>VCU: 299</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Northern boundary is oversteep in areas.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Some blowdown present; full suspension will be provided by helicopter logging.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: No concerns.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

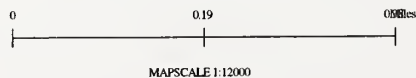
VCU: 299      UNIT NUMBER: 8032      QUAD(s): SITA5NE/SITA4NW  
 ACRES: 4      VOLUME: 101 MBF      HARVEST VOLUME: 86 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 8032	VCU: 299
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Consider seed tree cut for cedar regen.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: LANDS REMARKS: UNIT ADJACENT TO NATIVE ALLOTMENT APPLICATION J-10940 . APPLICATION APPROVED 1/28/93, ALLOTMENT BOUNDRIES NEED TO BE IDENTIFIED PRIOR TO UNIT LAYOUT , TO AVOID ENCROACHMENT.
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: No soils concerns.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Mark v-notch in center of unit with orange/white flagging, and protect as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 299    UNIT NUMBER: 8061    QUAD(s): SITA5NE  
 ACRES: 11    VOLUME: 328 MBF    HARVEST VOLUME: 295 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 90

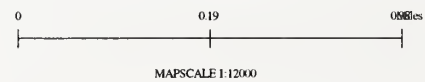
Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD
- EXISTING SPEC. ROAD 1700
- SHORELINE
- CLASS III STREAM

- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 8061	<b>VCU:</b> 299
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS }                FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Some wet soils are present; full suspension will be provided by helicopter logging.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: No      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: B.Light to verify extent of fish habitat.          REMARKS: Two v-notches that split the unit, should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". Place east unit boundary at or above the slope break of the class III, HC6 channels. Mark class I and II fish habitat in blue/white flagging, and protect as per BMP 12.6a and 12.6.</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }         FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



## NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 8062	<b>VCU:</b> 299
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Oversteepened areas have been deleted; rest of unit looks OK.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Two v-notches that split the unit, should be marked in orange/white flagging, and protected as per BMP 13.3, category "B". Place east unit boundary at or above the slope break of the class III, HCG channels.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD

## PLANNED HARVEST UNIT MAP

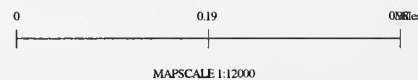
VCU: 299      UNIT NUMBER: 8063      QUAD(s): S1A5NE  
 ACRES: 14      VOLUME: 362 MBF      HARVEST VOLUME: 290 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY — 4 —
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD — 1700 —
- TEMPORARY ROAD = = = = =
- EXISTING SPEC. ROAD — 1700 —
- SHORELINE - - - - -
- CLASS III STREAM ○ — ○ — ○



- PHOTO POINT ⊠
- EAGLE TREE ⊕
- EXISTING CLEARCUTS ▤
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▨

LOGGING SYSTEMS:  
**H** HELICOPTER





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT: 8063</b>	<b>VCU: 299</b>
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Directionally fall trees away from notches; helicopter logging will provide full suspension over remaining steep areas.</p>	
<p>{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Protect two v-notches that split the unit as per BMP 13.3, category "B". Place NE and SW unit boundary at or above the slope break of the class III, HC6 channels.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

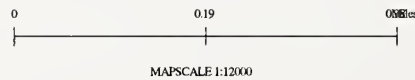
VCU: 299      UNIT NUMBER: 8064      QUAD(s): S1A5NE  
 ACRES: 16      VOLUME: 404 MBF      HARVEST VOLUME: 343 MBF  
 HARVEST PRESCRIPTION: Seed Tree      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY 4
- UNIT BOUNDARY —————
- ADJACENT UNIT - - - - -
- NEW SPEC. ROAD 1700
- TEMPORARY ROAD =====
- EXISTING SPEC. ROAD 1700
- SHORELINE - - - - -
- CLASS III STREAM ○—○—○—○



- PHOTO POINT ⊕
- EAGLE TREE ⊕
- EXISTING CLEARCUTS |||||
- SALTWATER AND LAKES ■
- CLASS I & II STREAM BUFFER ▣

LOGGING SYSTEMS:

H HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 8064	<b>VCU:</b> 299
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, silvicultural diagnosis for treatment is low canopy retention, protect soils where possible, Consider seed tree cut for cedar regen.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Directionally fall trees away from notches; helicopter logging will provide full suspension over steep soils.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: B.Light to verify extent of Class I and II fish habitat. REMARKS: V-notches split the center of the unit. Protect as per BMP 13.3, category "B". Fish biologist field review of west end of the proposed unit. Mark class I and II fish habitat in blue/white flagging, and protect as per BMP 12.6a and 12.6.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Unit as planned does not meet VQO, Adjust boundary to reduce apparent size, screen harvested ground and replicate natural openings.
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 299      UNIT NUMBER: 8065      QUAD(S): SITA5NE/SITA4NW  
 ACRES: 12      VOLUME: 303 MBF      HARVEST VOLUME: 273 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



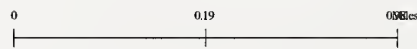
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

H HELICOPTER

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 8065		VCU: 299	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Protect soils where possible, Clearcut with reserves.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer	
SPECIALISTS NEEDED: LANDS			
REMARKS: UNIT IS ADJACENT TO NATIVE ALLOTMENT J-10940 APPROVED 1/28/93. ALLOTMENT BOUNDARY NEED TO BE IDENTIFIED PRIOR TO LAYOUT TO AVOID ENCROACHMENT.			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: Steep, unstable areas have been deleted; remainder of unit looks OK.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: J.Winn (soils)			
REMARKS: Place east boundary at above slope break of large v-notch. Protect v-notch on west boundary as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9011	VCU: 301
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Partial suspension required for soils protection, Profiles run from Landing , 1, Partial Suspension attained, Tail Trees needed, 40 feet. Minimum 200' horizontal buffer on Lisa Cr.
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: no concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson SPECIALISTS NEEDED: None Needed REMARKS: Unit contains some wet areas; recommend partial suspension to minimize surface disturbance.
{ FISHERIES }	FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: J.Winn (soils) REMARKS: Two v-notches that split the unit should be protected as per BMP 13.3, category "B".
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9012      QUAD(s): SITA5NE/SITA4NW  
 ACRES: 17      VOLUME: 429 MBF      HARVEST VOLUME: 408 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



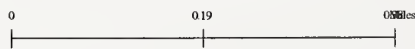
EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



MAPSCALE 1:12000

LOGGING SYSTEMS:

**c CABLE**

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER





NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 9012	<b>VCU:</b> 301
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Profiles run from Landing , 1, Partial Suspension attained, Tail Trees needed, 40 feet</p>	
<p>{ LANDS }                FIELD REVIEWED: No        REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: None Needed          REMARKS: Recommend directional falling away from notches and full suspension if necessary to yard over notches; recommend partial suspension elsewhere to minimize surface disturbance.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: NO        REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: J.Winn (soils)          REMARKS: Mark four large v-notches with orange/white flagging, and protect as per BMP 13.3, category "B".</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No        REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }         FIELD REVIEWED: No        REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE }            FIELD REVIEWED: No        REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9021      QUAD(s): SITA5NE/SITA4NW  
 ACRES: 29      VOLUME: 759 MBF      HARVEST VOLUME: 683 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



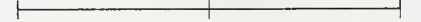
SHORELINE



CLASS III STREAM



0      0.19      0.66 Miles



MAPSCALE 1:12000

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



LOGGING SYSTEMS:

H HELICOPTER

C CABLE



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 9021	<b>VCU:</b> 301
<p>{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: K.Barkhau          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar. Protect wet soils.</p>	
<p>{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson          SPECIALISTS NEEDED: Soils/Hydro          REMARKS: Soils/Hydro concerns, full suspension required. Yarding subdivision - cable yarding feasible on 17 acres, helicopter yarding required for 12 acres on E end. Minimum 200' horizontal buffer on Lisa Cr.</p>	
<p>{ LANDS } FIELD REVIEWED: No REVIEWED BY:          SPECIALISTS NEEDED: None Needed          REMARKS:</p>	
<p>{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Area adjacent to stream has been deleted; remainder of unit contains v-notches, old slumps, and blowdown; recommend directional falling away from notches and full suspension over any notches if necessary to yard across them; also recommend full suspension across old slumps and at least partial suspension over the rest of the unit; helicopter logging will provide full suspension over part of unit.</p>	
<p>{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: J.Winn (soils)          REMARKS: Mark v-notch that splits the center of the unit with orange/white flagging, and protect as per BMP 13.3, category "B". Maintain south and SW boundary well above extreme soil mass movement hazard area adjacent to the class II, HC3 channel.</p>	
<p>{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

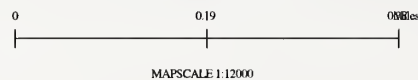
VCU: 301      UNIT NUMBER: 9022      QUAD(s): SITA5NE/SITA4NW  
 ACRES: 12      VOLUME: 312 MBF      HARVEST VOLUME: 281 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

H HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9022

VCU: 301

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock-yellow cedar/blueberry,  
 Silvicultural diagnosis for treatment is low canopy retention, Clearcut with  
 reserves. Upper slopes have wet soils.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Unit contains some dissection; recommend directional falling away  
 from notches; full suspension will be provided by helicopter logging.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Mark two v-notches in center of unit with orange/white flagging, and  
 protect as per BMP 13.3, category "B".

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

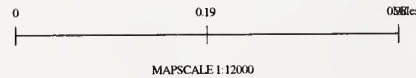
VCU: 301      UNIT NUMBER: 9023      QUAD(s): SITA4NW  
 ACRES: 17      VOLUME: 507 MBF      HARVEST VOLUME: 456 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 90

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9023

VCU: 301

{ SILVICULTURE } FIELD REVIEWED: Yes REVIEWED BY: B.Dougan  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Upper unit steep with shallow soils.

{ TIMBER } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Helicopter Yarding Required. Minimum 200' horizontal buffer on Lisa Cr.

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: G.Peterson  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Area adjacent to stream has been deleted; small slumps have been identified in remainder of unit; helicopter logging will provide full suspension over unit.

{ FISHERIES } FIELD REVIEWED: No REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Mark two channels on the east end, and two channels on the west end with orange/white flagging, and protect as per BMP 13.3, category "B".  
~~Protect class II, HC3 channel along south boundary as per BMP 12.6a and 12.6.~~

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: See Fisheries  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Fisheries For Remarks

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9031      QUAD(s): SITA4NW  
 ACRES: 21      VOLUME: 622 MBF      HARVEST VOLUME: 435 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 70

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY UNIT BOUNDARY ADJACENT UNIT NEW SPEC. ROAD TEMPORARY ROAD EXISTING SPEC. ROAD SHORELINE CLASS III STREAM	       	 MAP SCALE 1:2000 PHOTO POINT EAGLE TREE EXISTING CLEARCUTS SALTWATER AND LAKES CLASS I & II STREAM BUFFER	LOGGING SYSTEMS:  H HELICOPTER      
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NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9031		VCU: 301	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to protect soils, retain portion of overstory, and release patchy understory.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, Soils Concerns, maintain minimum 200' horizontal buffer on Lisa creek.			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Peterson	
SPECIALISTS NEEDED: None Needed			
REMARKS: Area adjacent to stream has been deleted; some small wet areas and old slumps have been identified in remainder of unit; helicopter logging will provide full suspension over soils.			
{ FISHERIES }	FIELD REVIEWED: No	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: B.Lorenz or D.Kelliher (hydrologist)			
REMARKS: Protect class II, HC3 channel along south boundary as per BMP 12.6a and 12.6. An extended buffer may be necessary due to the steepness of the slope and lack of a filter area adjacent to the stream. Mark the mapped and unmapped HC2 channels on the east end of the unit, and two unmapped channels on the west end of the unit, with orange/white flagging, and protect as per BMP 13.3, category "B".			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9041      QUAD(s): SITA4NW  
 ACRES: 35      VOLUME: 984 MBF      HARVEST VOLUME: 836 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL		0      0.19      0.38 Miles	LOGGING SYSTEMS:
SETTING BOUNDARY	4	MAP SCALE 1:12000	H    HELICOPTER
UNIT BOUNDARY	▬		
ADJACENT UNIT			
NEW SPEC. ROAD	1700	PHOTO POINT	⊠
TEMPORARY ROAD	▬▬▬	EAGLE TREE	⬆
EXISTING SPEC. ROAD	▬ 1700 ▬	EXISTING CLEARCUTS	▬▬▬▬▬▬
SHORELINE	- - - -	SALTWATER AND LAKES	▬▬▬▬
CLASS III STREAM	○-○-○	CLASS I & II STREAM BUFFER	▨▨▨▨



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9041	VCU: 301
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required. Maintain minimum 200' horizontal buffer on Lisa Cr, Soils Concerns
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter logging will provide full suspension over steep slopes and unstable areas; recommend directional falling trees away from notches.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: None Provided
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9051      QUAD(s): SITA5NE/SITA4NW  
 ACRES: 41      VOLUME: 1154 MBF      HARVEST VOLUME: 923 MBF  
 HARVEST PRESCRIPTION: Overstory Removal      PERCENT VOLUME HARVESTED: 80

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY



UNIT BOUNDARY



ADJACENT UNIT



NEW SPEC. ROAD



TEMPORARY ROAD



EXISTING SPEC. ROAD



SHORELINE



CLASS III STREAM



0      0.19      0.38 Miles

MAPSCALE 1:12000

LOGGING SYSTEMS:

H HELICOPTER

PHOTO POINT



EAGLE TREE



EXISTING CLEARCUTS



SALTWATER AND LAKES



CLASS I & II STREAM BUFFER



## NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9051	VCU: 301
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is medium canopy retention, Consider overstory removal to protect soils and retain portion of overstory.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required. Minimum 200' horizontal buffer on Lisa Cr.
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Cliffy and most oversteepened areas have been deleted; directionally fall trees away from notches; helicopter logging will provide full suspension over remaining steep slopes, shallow soils, and v-notches.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: No Reviewer SPECIALISTS NEEDED: None Needed REMARKS: None Provided
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301      UNIT NUMBER: 9052      QUAD(s): SITA4NW  
 ACRES: 8      VOLUME: 239 MBF      HARVEST VOLUME: 203 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves      PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY			
UNIT BOUNDARY		MAPSCALE 1:12000	LOGGING SYSTEMS:
ADJACENT UNIT			H HELICOPTER
NEW SPEC. ROAD			
TEMPORARY ROAD		PHOTO POINT	
EXISTING SPEC. ROAD		EAGLE TREE	
SHORELINE		EXISTING CLEARCUTS	
CLASS III STREAM		SALTWATER AND LAKES	
		CLASS I & II STREAM BUFFER	

NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 9052	<b>VCU:</b> 301
{ SILVICULTURE }	FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan SPECIALISTS NEEDED: None Needed REMARKS: Plant association is Western hemlock/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Soils wet, ground hummocky.
{ TIMBER }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Helicopter Yarding Required, Soils Concerns, Minimum 200' horizontal buffer on Lisa Cr.
{ LANDS }	FIELD REVIEWED: No      REVIEWED BY: J.Morrell SPECIALISTS NEEDED: None Needed REMARKS: No Concerns
{ SOILS }	FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton SPECIALISTS NEEDED: None Needed REMARKS: Directionally fall trees away from notches; helicopter logging will provide full suspension over steep slopes, shallow soils, and notches.
{ FISHERIES }	FIELD REVIEWED: No      REVIEWED BY: B.Lorenz SPECIALISTS NEEDED: None Needed REMARKS: Protect v-notches within unit as per BMP 13.3, category "B". Protect HC3 channel along north boundary as per BMP 12.6a and 12.6.
{ HYDROLOGY }	FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries SPECIALISTS NEEDED: None Needed REMARKS: See Fisheries For Remarks
{ WILDLIFE }	FIELD REVIEWED: No      REVIEWED BY: C.Hartmann SPECIALISTS NEEDED: None Needed REMARKS: Pending
{ VISUALS }	FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk SPECIALISTS NEEDED: None Needed REMARKS: Within visual quality objective
{ RECREATION }	FIELD REVIEWED: No      REVIEWED BY: B.Flynn SPECIALISTS NEEDED: None Needed REMARKS: No specific concerns
{ HERITAGE }	FIELD REVIEWED: No      REVIEWED BY: R.Myron SPECIALISTS NEEDED: None Needed REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

VCU: 301    UNIT NUMBER: 9061    QUAD(S): S1A5NE  
 ACRES: 8    VOLUME: 202 MBF    HARVEST VOLUME: 172 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 85

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

SETTING BOUNDARY		4		0      019      0866es	
UNIT BOUNDARY				-----	LOGGING SYSTEMS:
ADJACENT UNIT				MAPSCALE 1:12000	<b>H</b> HELICOPTER
NEW SPEC. ROAD		1700	PHOTO POINT		
TEMPORARY ROAD			EAGLE TREE		
EXISTING SPEC. ROAD		1700	EXISTING CLEARCUTS		
SHORELINE			SALTWATER AND LAKES		
CLASS III STREAM			CLASS I & II STREAM BUFFER		



NORTHWEST BARANOF HARVEST UNIT CARD

UNIT: 9061		VCU: 301	
{ SILVICULTURE }	FIELD REVIEWED: Yes	REVIEWED BY: B.Dougan	
SPECIALISTS NEEDED: None Needed			
REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.			
{ TIMBER }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Helicopter Yarding Required, Soils Concerns, Minimum 200' horizontal buffer on Lisa Cr.			
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell	
SPECIALISTS NEEDED: None Needed			
REMARKS: No Concerns			
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: M.Dalton	
SPECIALISTS NEEDED: None Needed			
REMARKS: Unit is dissected, contains old slumps, and has rocky soils; recommend directional falling away from notches; helicopter logging will provide full suspension over unit.			
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz	
SPECIALISTS NEEDED: None Needed			
REMARKS: Put east boundary well back from extreme hazard soils along the HC3 channel.			
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: See Fisheries	
SPECIALISTS NEEDED: None Needed			
REMARKS: See Fisheries For Remarks			
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann	
SPECIALISTS NEEDED: None Needed			
REMARKS: Pending			
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk	
SPECIALISTS NEEDED: None Needed			
REMARKS: Within visual quality objective			
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn	
SPECIALISTS NEEDED: None Needed			
REMARKS: No specific concerns			
{ Heritage }	FIELD REVIEWED: No	REVIEWED BY: R.Myron	
SPECIALISTS NEEDED: None Needed			
REMARKS: Low probability area			

# NORTHWEST BARANOF PROJECT HARVEST UNIT CARD PLANNED HARVEST UNIT MAP

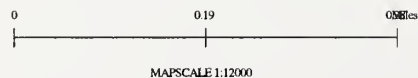
VCU: 301    UNIT NUMBER: 9062    QUAD(s): SITA5NE  
 ACRES: 14    VOLUME: 353 MBF    HARVEST VOLUME: 336 MBF  
 HARVEST PRESCRIPTION: Clear Cut with Reserves    PERCENT VOLUME HARVESTED: 95

Refer to the Logging/Transportation Plan overlay for the indicated aerial photograph to supplement the following intended design of the harvest unit and associated roads.



200 FT CONTOUR INTERVAL

- SETTING BOUNDARY
- UNIT BOUNDARY
- ADJACENT UNIT
- NEW SPEC. ROAD
- TEMPORARY ROAD
- EXISTING SPEC. ROAD
- SHORELINE
- CLASS III STREAM



- PHOTO POINT
- EAGLE TREE
- EXISTING CLEARCUTS
- SALTWATER AND LAKES
- CLASS I & II STREAM BUFFER

LOGGING SYSTEMS:

**H** HELICOPTER



NORTHWEST BARANOF HARVEST UNIT CARD

<b>UNIT:</b> 9062	<b>VCU:</b> 301
<p>{ SILVICULTURE }      FIELD REVIEWED: Yes      REVIEWED BY: B.Dougan          SPECIALISTS NEEDED: None Needed          REMARKS: Plant association is Western hemlock-yellow cedar/blueberry, Silvicultural diagnosis for treatment is low canopy retention, Clearcut with reserves. Consider planting cedar.</p>	
<p>{ TIMBER }              FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Helicopter Yarding Required, Soils Concerns, Minimum 200' horizontal buffer on Lisa Cr.</p>	
<p>{ LANDS }                FIELD REVIEWED: No      REVIEWED BY: J.Morrell          SPECIALISTS NEEDED: None Needed          REMARKS: No Concerns</p>	
<p>{ SOILS }                FIELD REVIEWED: Yes      REVIEWED BY: M.Dalton          SPECIALISTS NEEDED: None Needed          REMARKS: Unit is dissected, contains old slumps; recommend directional falling away from notches; helicopter logging will provide full suspension over unit.</p>	
<p>{ FISHERIES }          FIELD REVIEWED: Yes      REVIEWED BY: B.Lorenz          SPECIALISTS NEEDED: None Needed          REMARKS: Put east boundary well back from extreme hazard soils along the HC3 channel.</p>	
<p>{ HYDROLOGY }          FIELD REVIEWED: Yes      REVIEWED BY: See Fisheries          SPECIALISTS NEEDED: None Needed          REMARKS: See Fisheries For Remarks</p>	
<p>{ WILDLIFE }            FIELD REVIEWED: No      REVIEWED BY: C.Hartmann          SPECIALISTS NEEDED: None Needed          REMARKS: Pending</p>	
<p>{ VISUALS }             FIELD REVIEWED: Yes      REVIEWED BY: E.Ouderkirk          SPECIALISTS NEEDED: None Needed          REMARKS: Within visual quality objective</p>	
<p>{ RECREATION }         FIELD REVIEWED: No      REVIEWED BY: B.Flynn          SPECIALISTS NEEDED: None Needed          REMARKS: No specific concerns</p>	
<p>{ Heritage }            FIELD REVIEWED: No      REVIEWED BY: R.Myron          SPECIALISTS NEEDED: None Needed          REMARKS: Low probability area</p>	



# **Appendix H**

## **Road Cards**

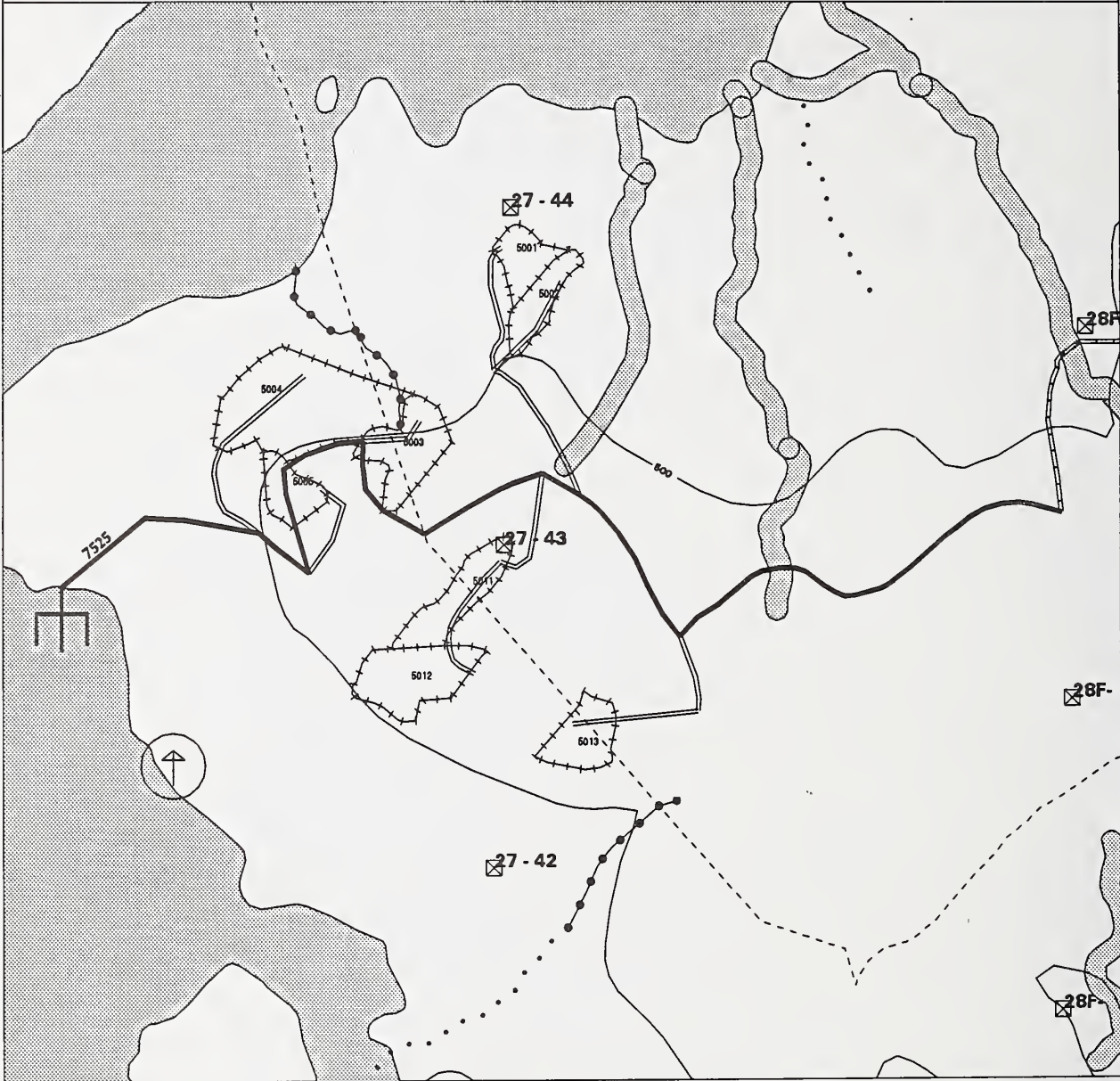


The first part of the book discusses the early history of the United States, from the time of the first European settlers to the American Revolution. It covers the exploration of the continent, the establishment of colonies, and the struggle for independence. The second part of the book discusses the early years of the new nation, from the signing of the Declaration of Independence to the end of the Revolutionary War. It covers the challenges of building a new government, the drafting of the Constitution, and the early years of the Republic. The third part of the book discusses the period of the American Revolution, from the outbreak of the war to the signing of the Treaty of Paris. It covers the military campaigns, the political struggles, and the ultimate victory of the United States. The fourth part of the book discusses the period of the American Revolution, from the signing of the Treaty of Paris to the end of the war. It covers the challenges of rebuilding the nation, the drafting of the Constitution, and the early years of the Republic. The fifth part of the book discusses the period of the American Revolution, from the signing of the Treaty of Paris to the end of the war. It covers the challenges of rebuilding the nation, the drafting of the Constitution, and the early years of the Republic.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: <u>7525</u>	QUAD (S) : <u>SITB5NW</u>
Miles of existing road <u>0</u>	VCU (S) : <u>288, 287</u>
Miles of proposed road <u>2.7</u>	
<b>Total miles:</b> <u>2.7</u>	



<b>LEGEND:</b>		<b>500 FT CONTOUR INTERVAL</b>	
UNIT BOUNDARY			
SUBJECT ROAD 7525		Map Scale 1:21120	PHOTO POINT
EXISTING ROAD		CLASS III STREAM	
PLANNED ROAD		CLASS II-NO BUFFER	
TEMPORARY ROAD		CLASS I & II STREAM BUFFER	
LOG TRANSFER FACILITY		SHORELINE	
			VCU line
			QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 287/288 ROAD NUMBER: 7525

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: No REVIEWED BY: G.Kitching  
 SPECIALISTS NEEDED: none  
 REMARKS: Boulders and oversteepened slope encountered on a short segment of this route. Parts of this route may have some visual concerns; efforts should be taken during layout to avoid visual impacts.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Segments 495.20 and 496.01 cross oversteepened slopes and wet soils; some full bench and endhaul construction will be required to protect these areas; part of segment 495.19 is mapped as having high mass movement hazard. The rest of this route mapped as having a low to moderate hazard.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ounderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Locate road to minimize visual impacts from key viewpoints, Locate and design rockpits to minimize visual impacts. Fully rehabilitate rock pit area. Retain screen trees, Apply grass seed and fertilizer to all cut and fill banks.

{ RECREATION } FIELD REVIEWED: Yes REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: In LTF design and construction allow for easy postharvest loading and unloading of ATVs from a skiff. Allow for good skiff anchorage, At closest practical point to lake allow turnout width for postharvest ATV parking. Provide easy foot access off road prism at lake while preventing, ATVs from leaving road surface.

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for all portions of road 7525 under 100 feet in elevation and for the proposed LTF site at the terminus of road 7525. No sites identified. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7525N

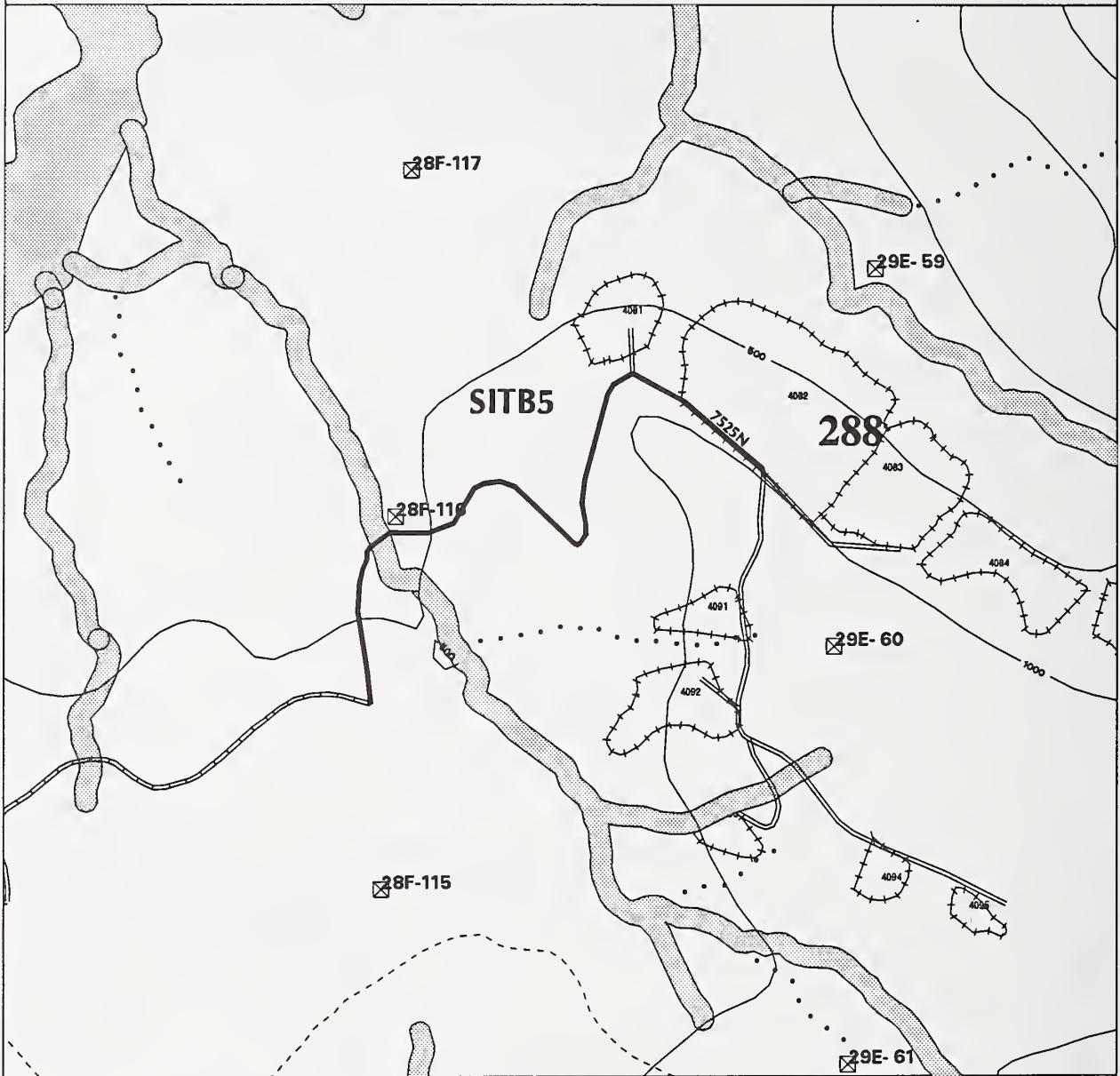
QUAD (S) : SITB5NW

Miles of existing road 0

VCU (S) : 288

Miles of proposed road 1.5

Total miles: 1.5



UNIT BOUNDARY



SUBJECT ROAD 7525N



EXISTING ROAD



PLANNED ROAD



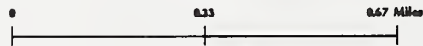
TEMPORARY ROAD



LOG TRANSFER FACILITY



500 FT CONTOUR INTERVAL

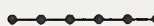


Map Scale 1:21120

CLASS III STREAM



CLASS II-NO BUFFER



CLASS I & II STREAM BUFFER



SHORELINE



PHOTO POINT



EAGLE TREE



VCU line



QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2880 ROAD NUMBER: 7525N		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: No	REVIEWED BY: G.Kitching
SPECIALISTS NEEDED: hydrologist and geotech engineer		
REMARKS: 60 foot bridge with a thru cut leaving the north bank of the stream. Full bench and end haul required on a segment of this route. Helicopter landings will be constructed along this route.		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: Soils		
REMARKS: Seg# 486.22 contains v-notches; some endhaul will be required to protect soils		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 291 /292 ROAD NUMBER: 7587		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: R.Jacobson
SPECIALISTS NEEDED: FISHERIES AND HYDROLOGIST		
REMARKS: Reconstruction of an existing road. Road crosses over class I streams requiring fish pass culverts or bridges.		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: None		
REMARKS: No Concerns		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: Hydrologist/Fishery Biologist		
REMARKS: Numerous alluvial fan and flood plain channel crossings, BMP 12.4, 12.6, 14.17 apply; Three class I streams crossings.		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: Roads and Wildlife		
REMARKS: Eagle nest tree #12325091 is within 330 feet of the road and a variance from the USFWS will be required prior to this road being reconstructed.		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: Yes	REVIEWED BY: P.Bower
SPECIALISTS NEEDED: None Needed		
REMARKS: Archeological survey completed for all portions of road 7587 under 100 feet in elevation. No sites identified.		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 75872

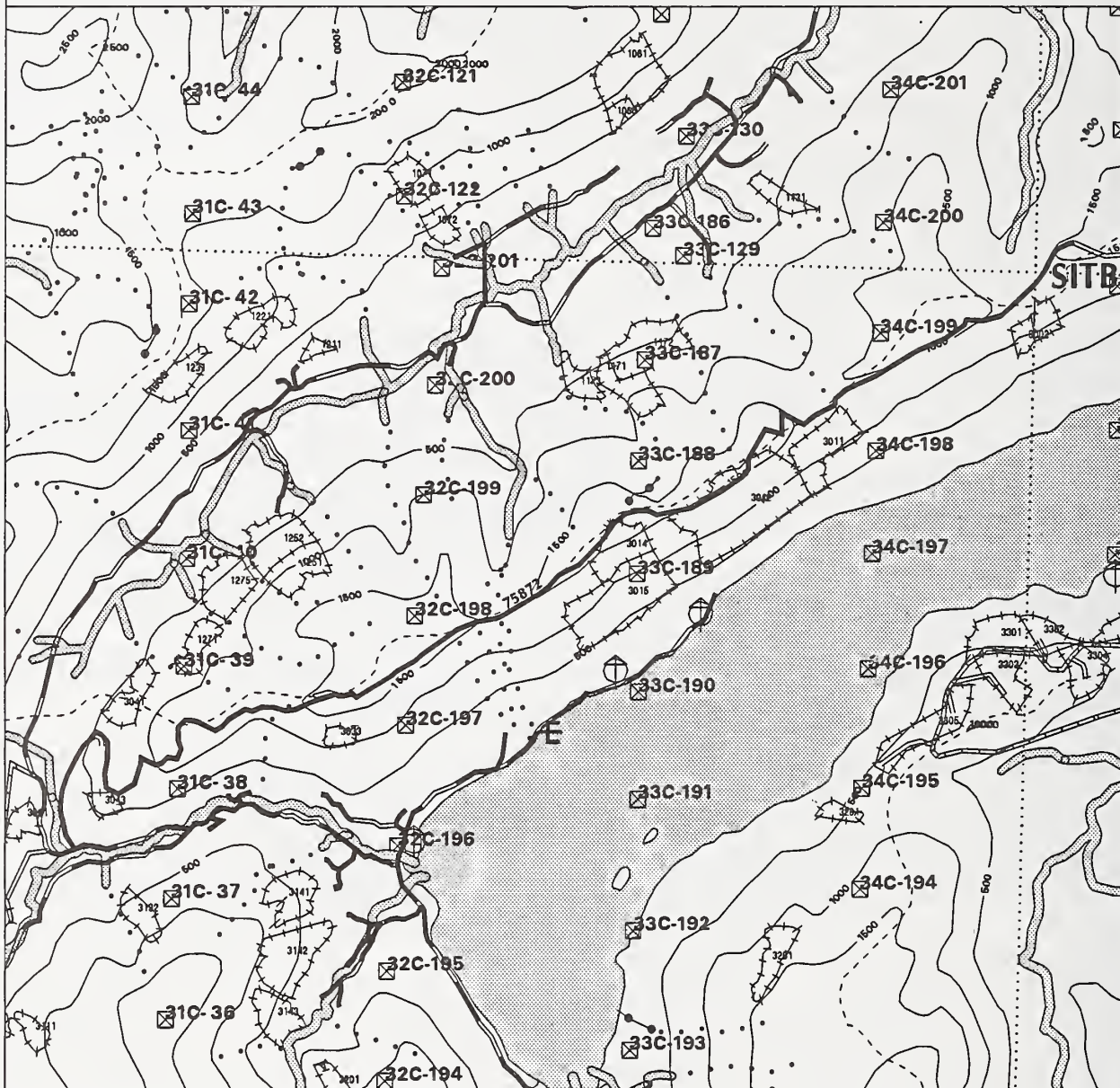
QUAD (S) : SITC5SE, SITC4SW, SITB5NE, SITB4NW

Miles of existing road 0

VCU (S) : 289, 291, 292, 293

Miles of proposed road 7.4

Total miles: 7.4



<b>LEGEND:</b>		<b>500 FT CONTOUR INTERVAL</b>	
UNIT BOUNDARY			
SUBJECT ROAD 75872		Map Scale 1:56726	
EXISTING ROAD		CLASS III STREAM	
PLANNED ROAD		CLASS II-NO BUFFER	
TEMPORARY ROAD		CLASS I & II STREAM BUFFER	
LOG TRANSFER FACILITY		SHORELINE	
		PHOTO POINT	
		EAGLE TREE	
		VCU line	
		QUAD line	

## NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 291/2920 ROAD NUMBER: 75872

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: R.Jacobson  
 SPECIALISTS NEEDED: soils none  
 REMARKS: the route climbs up to the ridge. This route contains areas of full bench and end haul construction. Climbing to the ridge requires numerous, switchbacks. Maximum grade occurs in short pitches along this route.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: Soils  
 REMARKS: Segments 337.20 and 339.51 contain high soil hazards; recommend full bench and endhaul construction for hazardous areas. Segment 345.30 has a high mass wasting hazard and contains v-notches; recommend further review. Segments 339.52 and 348.10 were also identified as having soils problems. Recommend further review by soils or geotechnical engineer.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Locate road to minimize visual impacts from key viewpoints, Locate and design rockpits to minimize visual impacts. Fully rehabilitate rock pit area. Retain screen trees, Apply grass seed and fertilizer to all cut and fill banks.

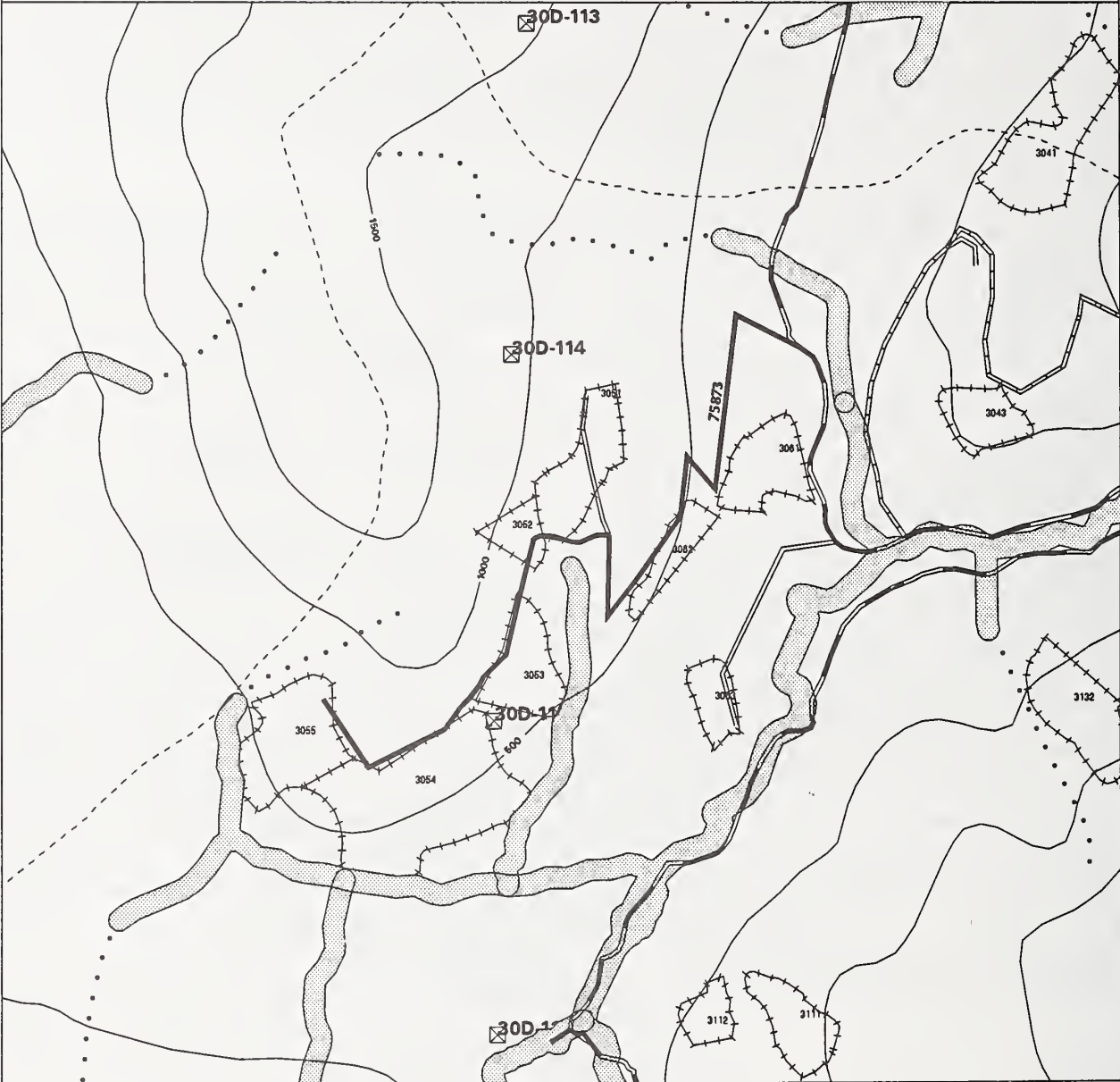
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: <u>75873</u>	QUAD (S) : <u>SITB5NE</u>
Miles of existing road <u>0</u>	VCU (S) : <u>289, 292</u>
Miles of proposed road <u>2</u>	
<b>Total miles: <u>2</u></b>	





NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2920 ROAD NUMBER: 75873		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Virtue
SPECIALISTS NEEDED: None Needed		
REMARKS: Full benc, end haul, oversteepened slope, V-notches		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: Grit
SPECIALISTS NEEDED: Soils or Geotechnical Engineer		
REMARKS: Crosses oversteepened, cliffy slopes, and V-notches.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: <u>7586</u>	QUAD (S) : <u>SITB5NE</u>
Miles of existing road <u>1.1</u>	VCU (S) : <u>292</u>
Miles of proposed road <u>0</u>	
Total miles: <u>1.1</u>	



<b>LEGEND</b>		<b>500 FT CONTOUR INTERVAL</b>	
UNIT BOUNDARY			
SUBJECT ROAD 7586		Map Scale 1:21120	
EXISTING ROAD		CLASS III STREAM	
PLANNED ROAD		CLASS II-NO BUFFER	
TEMPORARY ROAD		CLASS I & II STREAM BUFFER	
LOG TRANSFER FACILITY		SHORELINE	
		PHOTO POINT	
		EAGLE TREE	
		VCU line	
		QUAD line	

NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2920 ROAD NUMBER: 7586

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: R.Jacobson  
 SPECIALISTS NEEDED: fisheries and hydrologist  
 REMARKS: This route is to be reconstructed from the LFT to rd 7587. This route will require riprap on the water side. 80 foot bridge required to cross class I, stream.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: None  
 REMARKS: No concerns

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No concerns, one Class I crossing, BMP 14.17, 12.6, 12.4 apply.

{ WILDLIFE } FIELD REVIEWED: Yes REVIEWED BY: Grit  
 SPECIALISTS NEEDED: Roads and Wildlife  
 REMARKS: Contains 2 eagle nests, numbers 12325013 and 12325091, within the required 330 foot eagle nest tree buffer. Road reconstruction will need variances from the USFWS.

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: Yes REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: In LTF design and construction allow for easy postharvest loading and unloading of ATVs from a skiff. Allow for good skiff anchorage.

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for all portions of road 7586 under 100 feet in elevation and for the proposed LTF site at the terminus of road 7586. No sites identified. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 75882

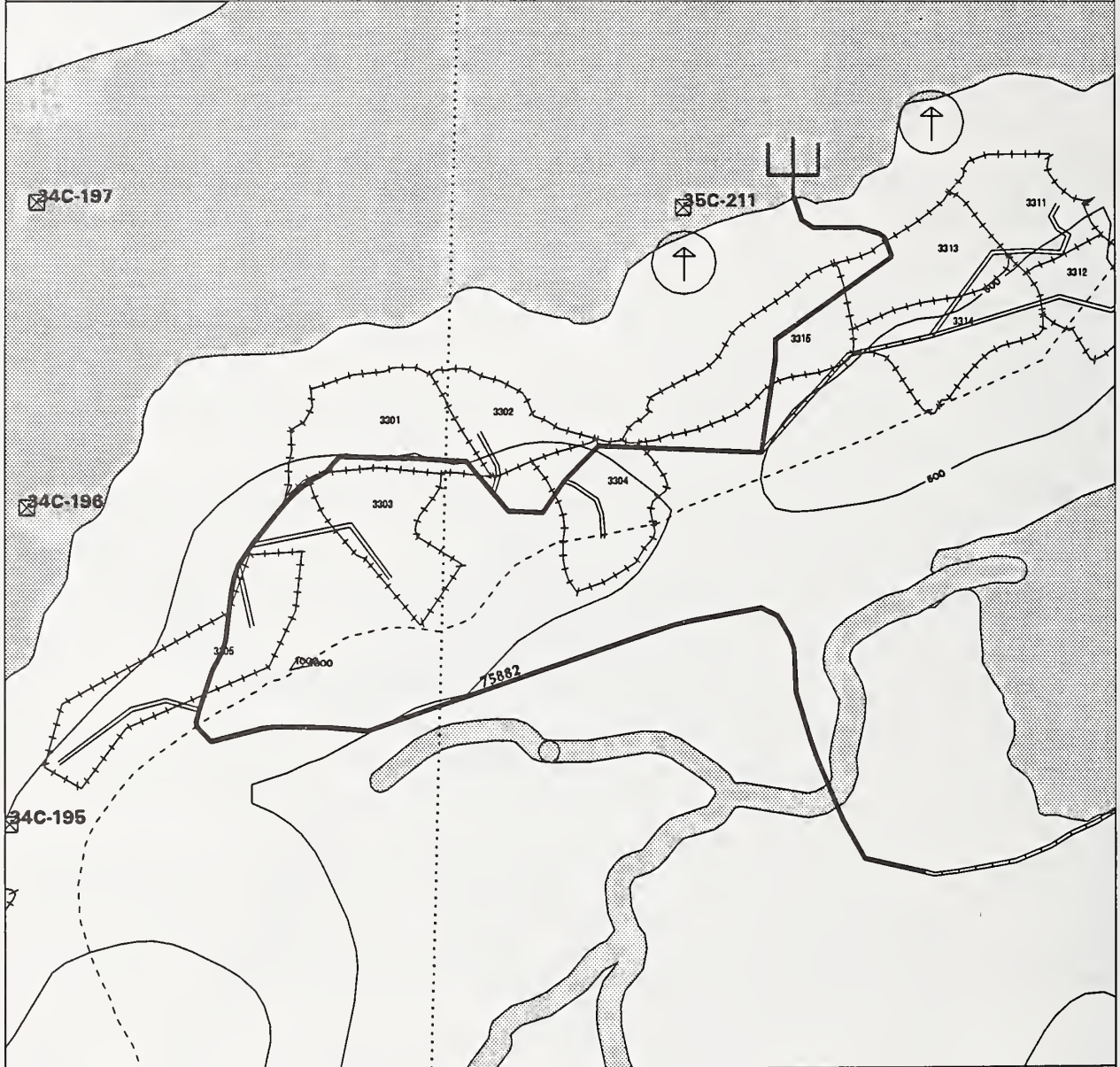
QUAD (S) : SITB4NW, SITB5NE

Miles of existing road 0

VCU (S) : 292, 293

Miles of proposed road 4.1

Total miles: 4.1



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2920 ROAD NUMBER: 75882		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Virtue
SPECIALISTS NEEDED: None Needed		
REMARKS: Class I stream crossing/reconstruction/LTF		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: High hazard soils mapped in segments 186.20 and 186.21; notify a soils scientist if problems are encountered during layout. Ensure Class I stream is protected during construction.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ounderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Locate road to minimize visual impacts from key viewpoints, Locate and design rockpits to minimize visual impacts. Fully rehabilitate rock pit area. Retain screen trees, Apply grass seed and fertilizer to all cut and fill banks.		
{ RECREATION }	FIELD REVIEWED: Yes	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: In LTF design and construction allow for easy postharvest loading and unloading of ATVs from a skiff. Allow for good skiff anchorage.		
{ HERITAGE }	FIELD REVIEWED: Yes	REVIEWED BY: P.Bower
SPECIALISTS NEEDED: None Needed		
REMARKS: Archeological survey completed for all portions of road 75882 under 100 feet in elevation and for the proposed LTF site at the terminus of road 75882. No sites identified. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758823

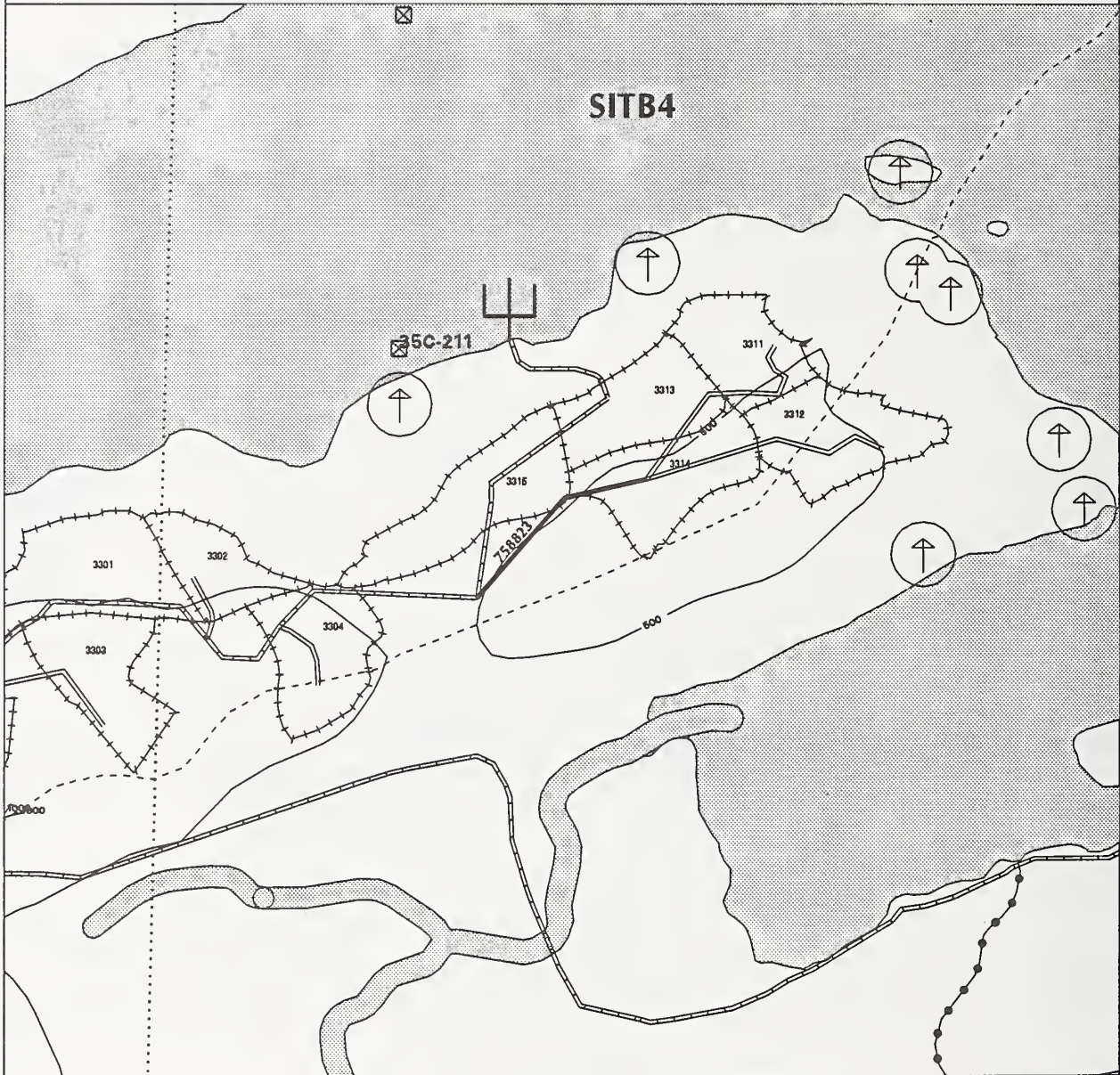
QUAD (S) : SITB4NW

Miles of existing road 0

VCU (S) : 292, 293

Miles of proposed road 0.4

Total miles: 0.4



<b>LEGEND:</b>		<b>500 FT CONTOUR INTERVAL</b>		
UNIT BOUNDARY		0 — 0.33 — 0.67 Miles		
SUBJECT ROAD 758823		Map Scale 1:31120		PHOTO POINT
EXISTING ROAD				EAGLE TREE
PLANNED ROAD		CLASS III STREAM		VCU line
TEMPORARY ROAD		CLASS II-NO BUFFER		QUAD line
LOG TRANSFER FACILITY		CLASS I & II STREAM BUFFER		
		SHORELINE		

NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2920 ROAD NUMBER: 758823		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: J.Stelick
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: Full bench construction recommended for part of seg. 186.30		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7722W

QUAD (S): SITB4NW

Miles of existing road 1.1

VCU (S): 293

Miles of proposed road 0

Total miles: 1.1



LEGEND		500 FT CONTOUR INTERVAL	
UNIT BOUNDARY		<p>Map Scale 1:21120</p>	
SUBJECT ROAD 7722W		CLASS III STREAM	
EXISTING ROAD		CLASS II-NO BUFFER	
PLANNED ROAD		CLASS I & II STREAM BUFFER	
TEMPORARY ROAD		SHORELINE	
LOG TRANSFER FACILITY		PHOTO POINT	
		EAGLE TREE	
		VCU line	
		QUAD line	





NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2930 ROAD NUMBER: 7722W		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: No	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: None Needed		
REMARKS: Not problems were identified; notify a soil scientist if potential soils problems are identified during layout.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7728

QUAD (S) : SITB4NW

Miles of existing road 0.3

VCU (S) : 293

Miles of proposed road 0

Total miles: 0.3



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 7728
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270

500 FT CONTOUR INTERVAL

0 0.33 0.67 Miles

Map Scale 1:21120

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

PHOTO POINT

EAGLE TREE

VCU line

QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 2930 ROAD NUMBER: 7728		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: No	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ SOILS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7574

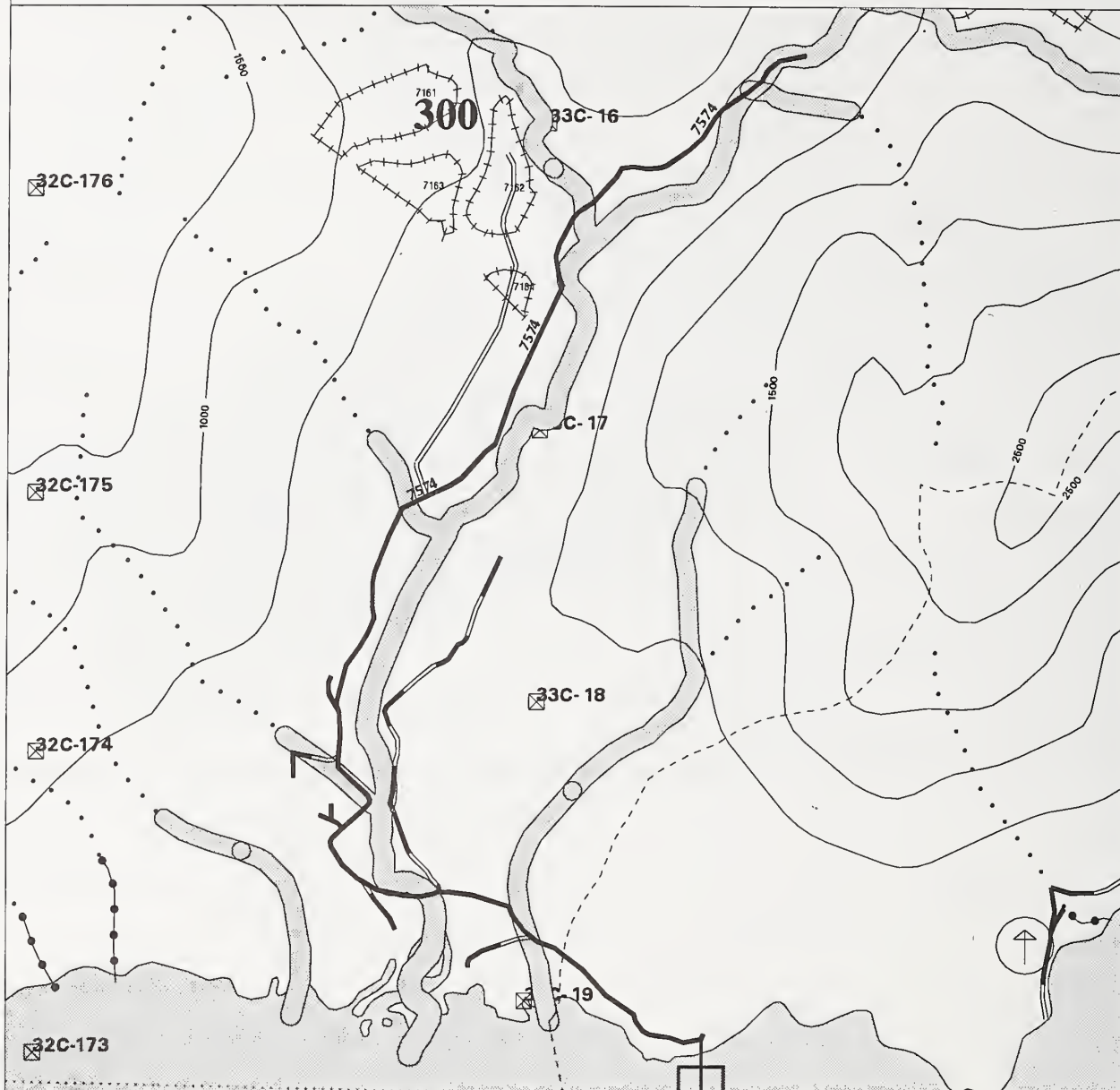
QUAD (S) : SITB5SE, SITA5NE

Miles of existing road 2.9

VCU (S) : 300, 299

Miles of proposed road 0.4

Total miles: 3.3



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 7574
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270

500 FT CONTOUR INTERVAL

0 0.38 0.75 Miles

Map Scale 1:23833

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

PHOTO POINT

EAGLE TREE:

VCU line

QUAD line



## NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 299/3000 ROAD NUMBER: 7574

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: R.Jacobson  
 SPECIALISTS NEEDED: cultural, hydrologist, fisheries  
 REMARKS: reconstruction of route will require the crossing of class I streams with bridges or culverts that will allow fish to pass. bridges will be removed, after harvest, approximately 2000 feet of new construction will reduce the number of class I stream crossings by two and move the road away from the stream giving, a larger buffer on the stream.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: Hydrologist or Fisheries Biologist  
 REMARKS: Segment 821.10 has fish/hydro/riparian concerns; recommend that a hydrologist or fisheries biologist be notified to ensure this area has received adequate protection; this route is mapped as having a low to moderate mass movement hazard.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: Hydrologist/Fish Biologist  
 REMARKS: Two Alluvial fan crossings, parallels Class I FP4, BMPs 12.4, 12.6 14.17.

{ WILDLIFE } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: Roads, Wildlife and Timber Sale Administration  
 REMARKS: Contains a eagle nest, number 12325072 within the required 330 foot eagle nest tree buffer. Road reconstruction will need a variance from the USFWS. Recommend road closure to reduce easy access for hunters to mountain goat habitat. Recommend monitoring harvest of mountain goats during the time the road is open.

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for all portions of road 7574 under 100 feet in elevation and for the proposed LTF site at the road terminus. No sites identified. Futher section 106 review required for on-shore developments at the distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7583

QUAD (S) : SITB5SW, SITB5SE

Miles of existing road 6

VCU (S) : 287, 302, 300

Miles of proposed road 0

Total miles: 6



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 7583
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270'

500 FT CONTOUR INTERVAL

0 0.59 1.18 Miles

Map Scale 1:37500

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 300/302 ROAD NUMBER: 7583

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: T.Allio  
 SPECIALISTS NEEDED: fisheries, hydrologist  
 REMARKS: road reconstruction required. fish passage required on class I and II streams, end

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: 7583  
 SPECIALISTS NEEDED: None  
 REMARKS: No soils concerns

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: Hydrologisy/Fish Biologist  
 REMARKS: One alluvial fan crossing, several Class I stream crossings, BMPs 12.4, 12.6, 14.17 apply.

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: Yes REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: In LTF design and construction allow for easy postharvest loading and unloading of ATVs from a skiff. Allow for good skiff anchorage.

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: Archeologist  
 REMARKS: Archeological survey completed for all portions of road 7583 under 100 feet in elevation and for the proposed LTF reconstruction site at the terminus of road 7583. No sites identified. An archeologist should be notified at the final design stage for road 7583 and for the LTF at the terminus of the road. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by project activity. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties or camps.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 75831

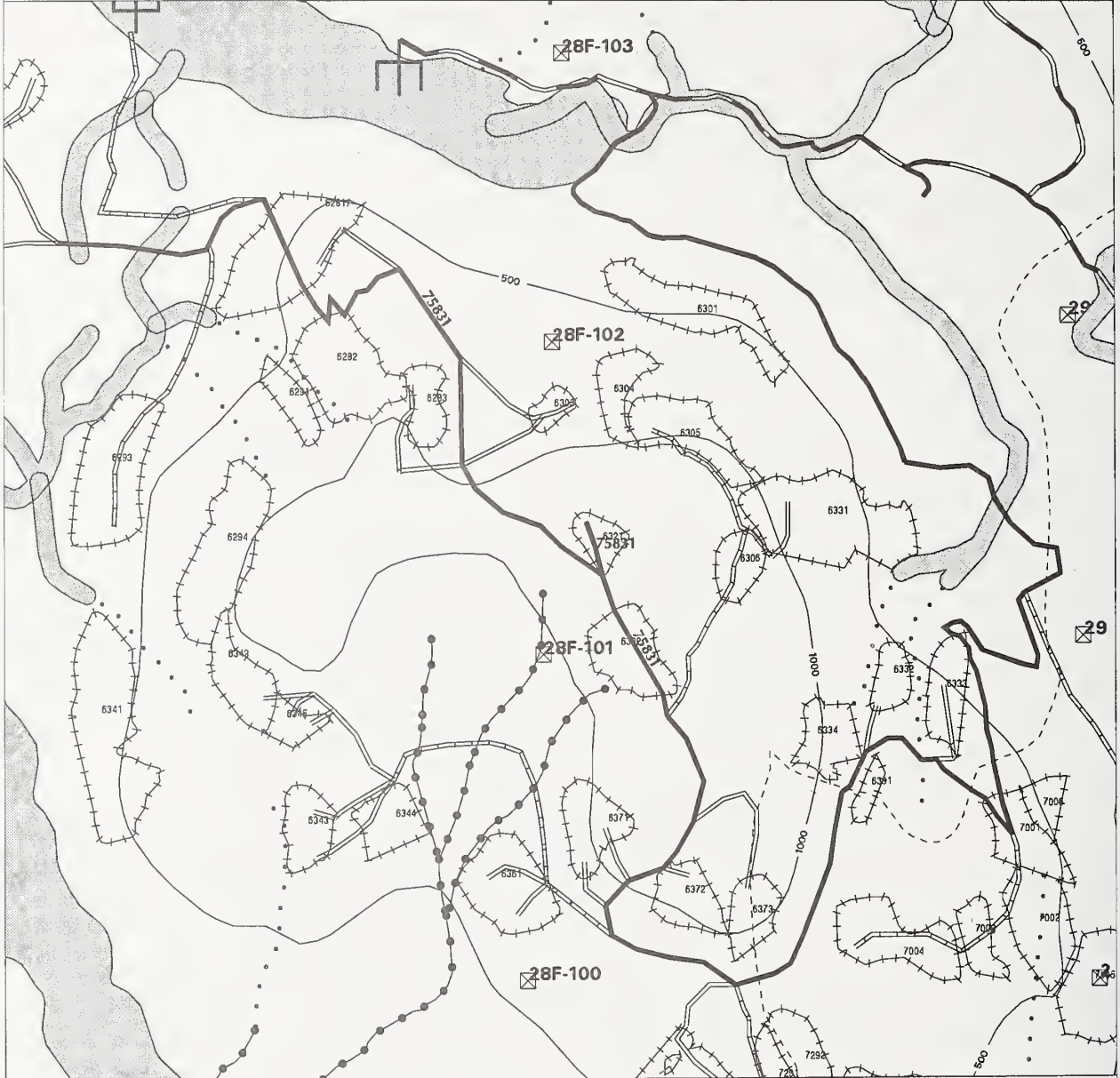
QUAD (S) : SITB5SW

Miles of existing road 1.3

VCU (S) : 302, 300

Miles of proposed road 5.9

Total miles: 7.2



- UNIT BOUNDARY
- SUBJECT ROAD 75831
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270

500 FT CONTOUR INTERVAL

0 0.38 0.75 Miles

Map Scale 1:23833

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

PHOTO POINT

EAGLE TREE

VCU line

QUAD line





NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 300/302 ROAD NUMBER: 75831

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: R.Jacobson  
 SPECIALISTS NEEDED: geo tech, soils, hydrologist, fisheries  
 REMARKS: reconstruction portion will require a bridge over the main stream entering St Johns Baptist bay. Switch back required to climb to the top of the ridge, the segment to the top of the ridge crosses over an area of unstable soil that will need geo tech in put for design. two segments of this route approach maximum grade. This is the main route accessing the units on this ridge. Areas of full bench excavation and end haul may be required.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
 SPECIALISTS NEEDED: Soils  
 REMARKS: Unstable soils and oversteepened slopes have been identified in segments 1023.11, 1042.42, and 1042.44. These areas will require full bench and endhaul construction to minimize impacts. Potential problems related to v-notches were identified in segment 909.13. Recommend that a soil scientist or geotechnical engineer be present when these segments are layed out.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: Yes REVIEWED BY: Grit  
 SPECIALISTS NEEDED: Roads and Wildlife  
 REMARKS: Contains a eagle nest, number 12325077 within the required 330 foot eagle nest tree buffer. Road reconstruction will need a variance from the USFWS.

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Locate road to minimize visual impacts from key viewpoints, Locate and design rockpits to minimize visual impacts. Fully rehabilitate rock pit area. Retain screen trees, Apply grass seed and fertilizer to all cut and fill banks.

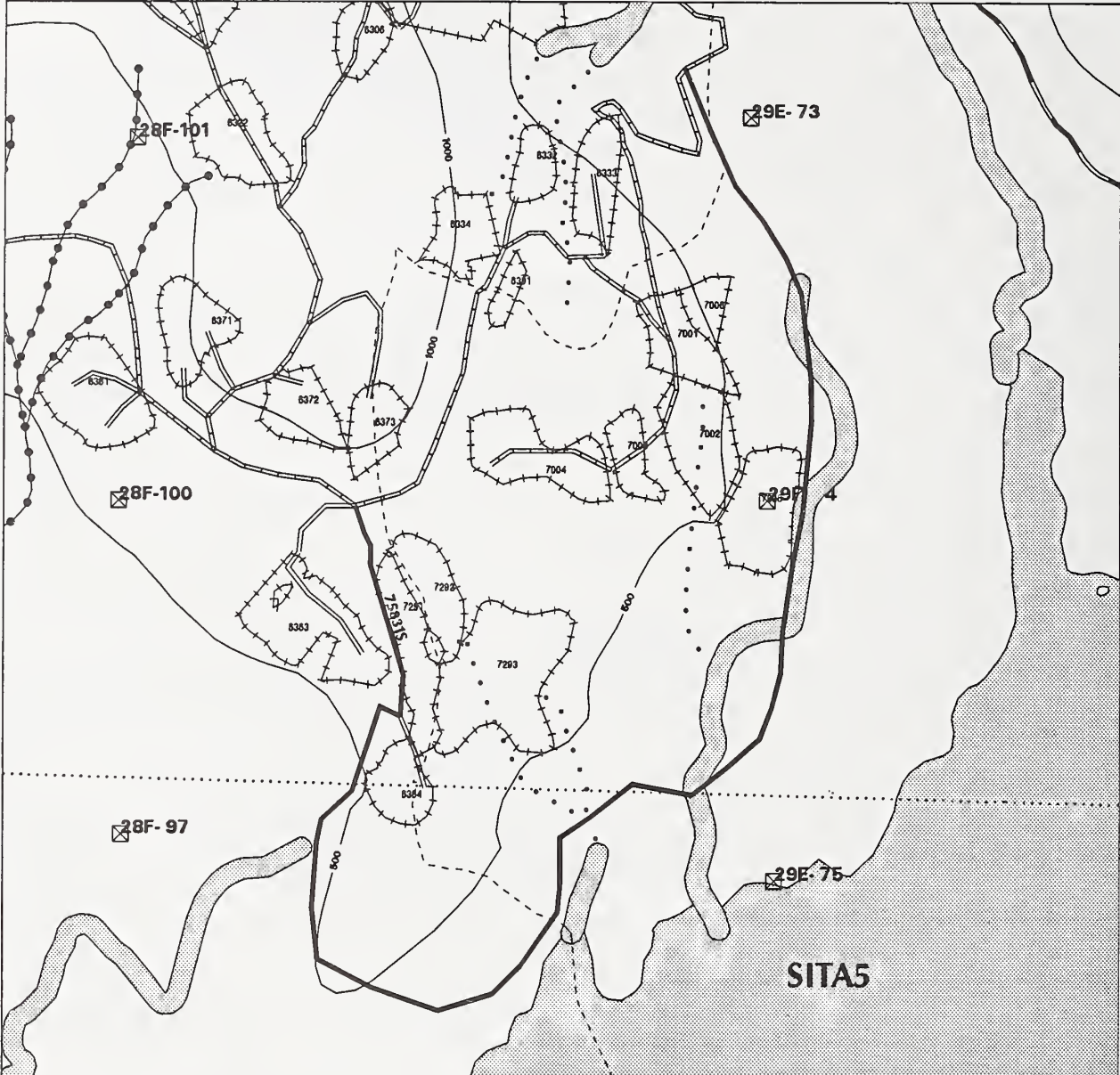
{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low Probability area

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: <u>75831S</u>	QUAD (S) : <u>SITB5SW, SITA5NW</u>
Miles of existing road <u>0</u>	VCU (S) : <u>302, 300</u>
Miles of proposed road <u>3.6</u>	
<b>Total miles: 3.6</b>	



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 300/302 ROAD NUMBER: 75831S

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: Soils, Hydro, GeoTech  
 REMARKS: Oversteepened slopes, full bench, Class I stream

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: R.Huecker  
 SPECIALISTS NEEDED: See Roads  
 REMARKS: Request soils review for unstable slopes if this route is to be constructed.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: Yes REVIEWED BY: R.Deyerberg  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Where this road gets very close to Nakwasina passage near the road's southernmost point, locate and construct road to prevent unregulated access by ATVs from this shore while allowing relatively easy foot access.

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: Archeologist  
 REMARKS: Archeological survey completed for all portions of road 75831S under 100 feet in elevation. No sites identified. An archeologist should be notified at the final design stage for road 75831S. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by project activity.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758311

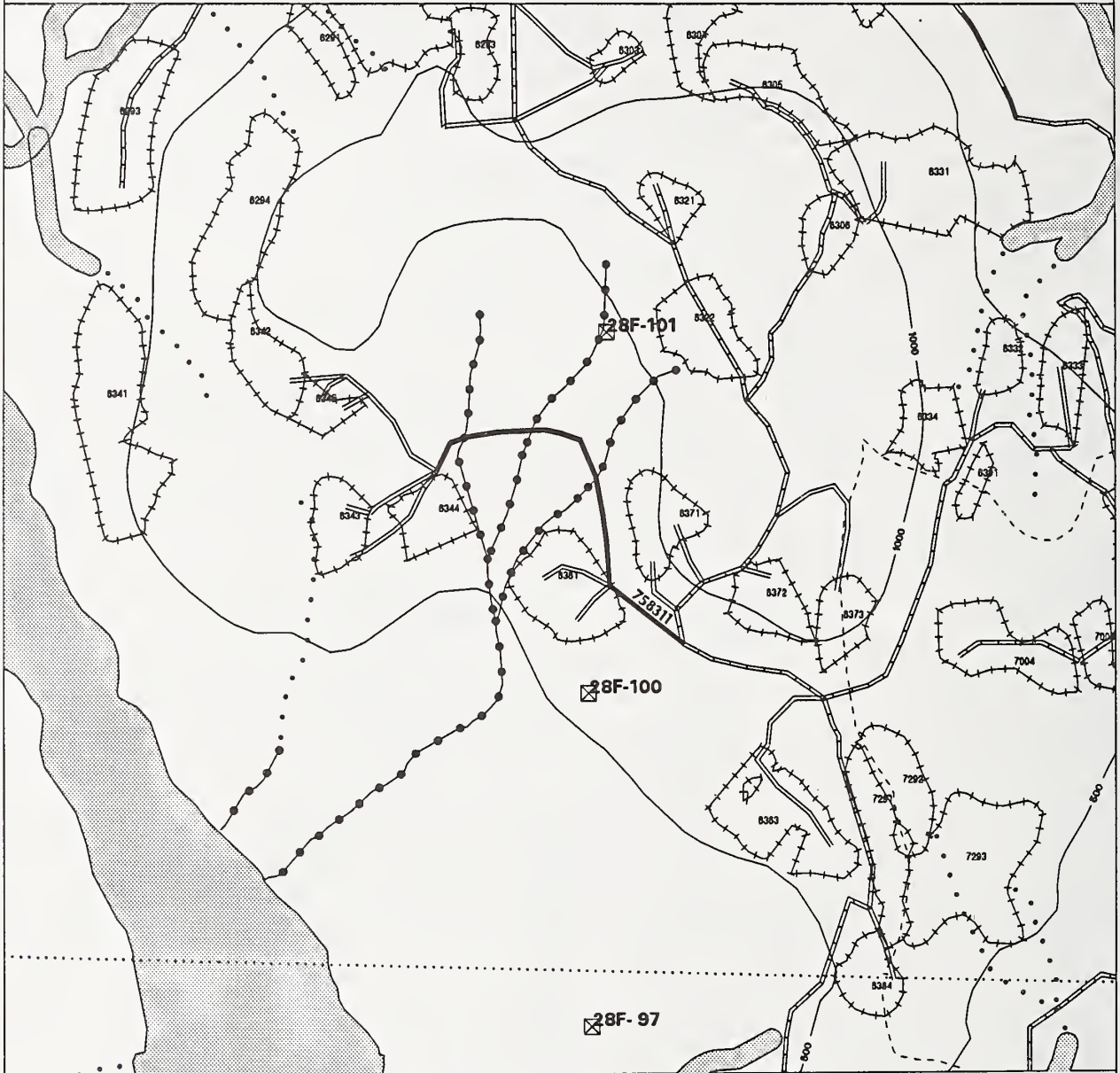
QUAD (S) : SITB5SW

Miles of existing road 0

VCU (S) : 302

Miles of proposed road 0.8

Total miles: 0.8

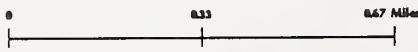


**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 758311
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY



**500 FT CONTOUR INTERVAL**



Map Scale 1:21120

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3020 ROAD NUMBER: 758311		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: g.virtue
SPECIALISTS NEEDED: hydrologist,		
REMARKS: route crosses a ClassII stream that could be crossed by a log stringer bridge. the bridge will be remove at the completion of the project.		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: None Needed		
REMARKS: No concerns were identified; part of route is mapped as having a high mass movement hazard; request soil scientist presence if questionable areas are encoutered during layout.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: Hydrologist		
REMARKS: Several, v-notch crossings, BMP 14.17		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758313

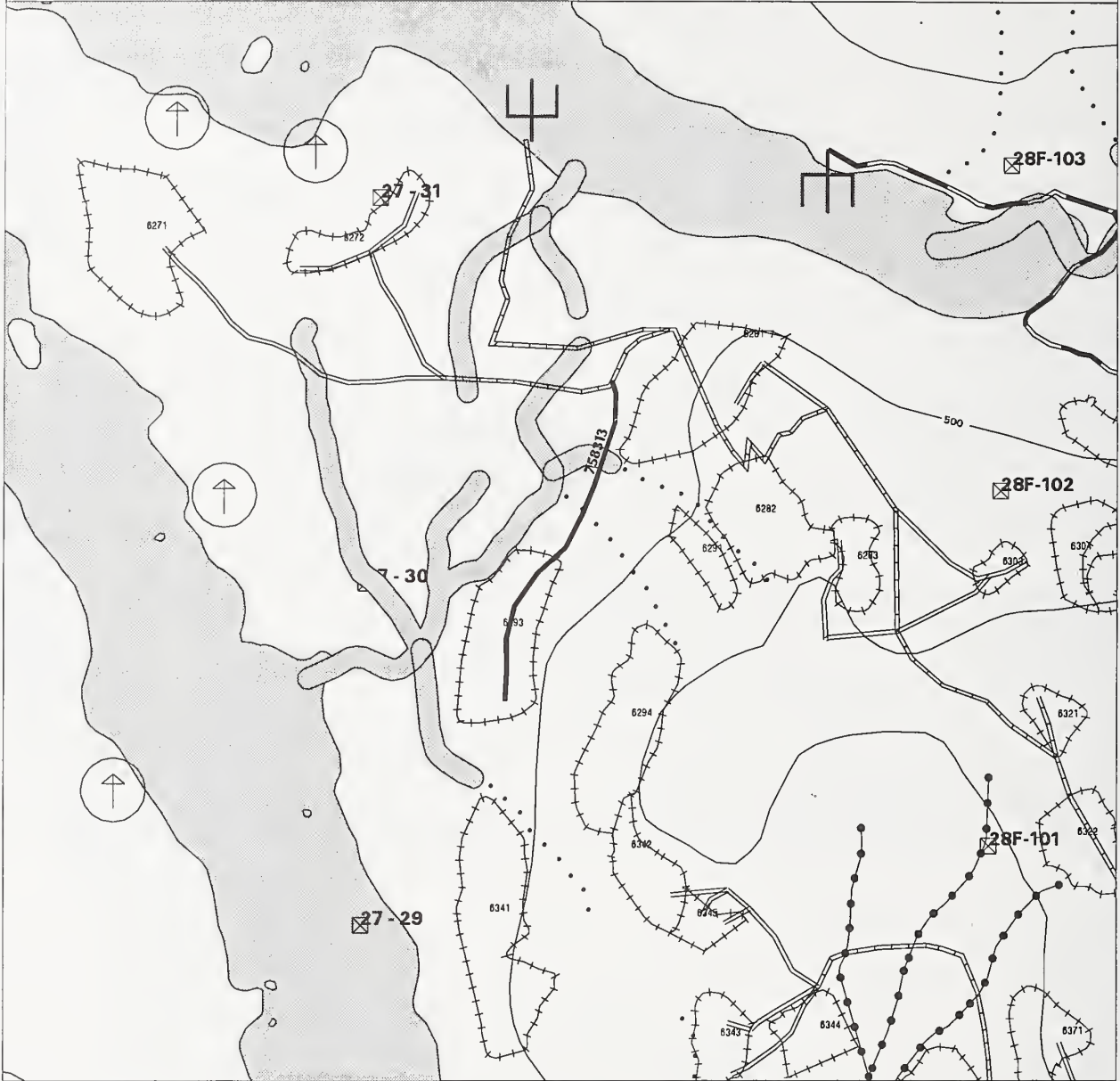
QUAD (S) : SITB5SW

Miles of existing road 0

VCU (S) : 302

Miles of proposed road 0.7

Total miles: 0.7



<b>LEGEND</b>		<b>500 FT CONTOUR INTERVAL</b>	
UNIT BOUNDARY	-----  4270	0                      0.33                      0.67 Miles	
SUBJECT ROAD 758313	—————	----- -----	
EXISTING ROAD	———	Map Scale 1:21120	
PLANNED ROAD	———		
TEMPORARY ROAD	———		
LOG TRANSFER FACILITY	⌋		
		CLASS III STREAM	.....
		CLASS II-NO BUFFER	●●●●●
		CLASS I & II STREAM BUFFER	▨▨▨▨▨
		SHORELINE	▬▬▬▬▬
		PHOTO POINT	⊠
		EAGLE TREE	⊕
		VCU line	- - - - -
		QUAD line	.....

NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3020 ROAD NUMBER: 758313		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Virtue
SPECIALISTS NEEDED: None Needed		
REMARKS: Class II Stream, Helicopter landing		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: Ensure Class II stream is protected during construction.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: Archeologist		
REMARKS: An archeologist should be notified at the final design stage for road 758313. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by harvest.		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758314

QUAD (S) : SITB5SW

Miles of existing road 0

VCU (S) : 302

Miles of proposed road 0.8

Total miles: 0.8



**LEGEND**

- UNIT BOUNDARY
- SUBJECT ROAD 758314
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270

0 0.33 0.67 Miles

Map Scale 1:21120

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line





NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3020 ROAD NUMBER: 758314

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: T.Allio  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: LTF Class I Stream, Bridge, Rock pit

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: Grit  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Ensure Class I Stream is protected during construction.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Archeological survey completed for all portions of road 758314 under 100 feet in elevation and for the proposed LTF site at the terminus of road 758314. No sites identified. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758315

QUAD (S) : SITB5SW

Miles of existing road 0

VCU (S) : 302

Miles of proposed road 0.8

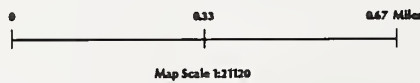
Total miles: 0.8



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 758315
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

500 FT CONTOUR INTERVAL



- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3020 ROAD NUMBER: 758315

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ LANDS } FIELD REVIEWED: No REVIEWED BY: J.Morrell  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No Concerns

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: G.Virtue  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Future reconnaissance to be completed in summer of '95'.

{ SOILS } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: This route is mapped as having soils problems in seg. 923.01. Notify soil specialists if problems are identified during reconnaissance.

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: No REVIEWED BY: C.Hartmann  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Pending

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: No REVIEWED BY: R.Myron  
 SPECIALISTS NEEDED: None Needed  
 REMARKS: Low probability area

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 758316

QUAD (S) : SITB5SW

Miles of existing road 0

VCU (S) : 302, 300

Miles of proposed road 0.6

Total miles: 0.6



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 758316
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

4270

500 FT CONTOUR INTERVAL

0 0.33 0.67 Miles

Map Scale 1:21120

- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line



## NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3000 ROAD NUMBER: 758316		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: G.Virtue
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: Grit
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: No	REVIEWED BY: R.Myron
SPECIALISTS NEEDED: None Needed		
REMARKS: Low probability area		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7585

QUAD (S) : SITB5SE, SITB5SW

Miles of existing road 1.8

VCU (S) : 287, 300

Miles of proposed road 0

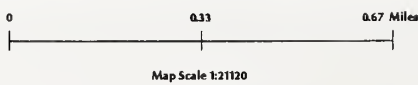
Total miles: 1.8



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 7585
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

**500 FT CONTOUR INTERVAL**



- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3000 ROAD NUMBER: 7585		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: R.Jacobson
SPECIALISTS NEEDED: hydrologist and fisheries		
REMARKS: reconstruction of route will require the crossing of class I and II streams that require fish passage. Bridges or culverts that allow for fish, passage will be required.		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: None		
REMARKS: Segments 742.00 and 857.00 cross soils mapped as high hazard - notify soil scientist for field review if existing road shows signs of failure		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: No	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: No specific concerns		
{ HERITAGE }	FIELD REVIEWED: Yes	REVIEWED BY: P.Bower
SPECIALISTS NEEDED: None Needed		
REMARKS: Archeological survey completed for all portions of road 7585 under 100 feet in elevation. No sites identified.		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 75851

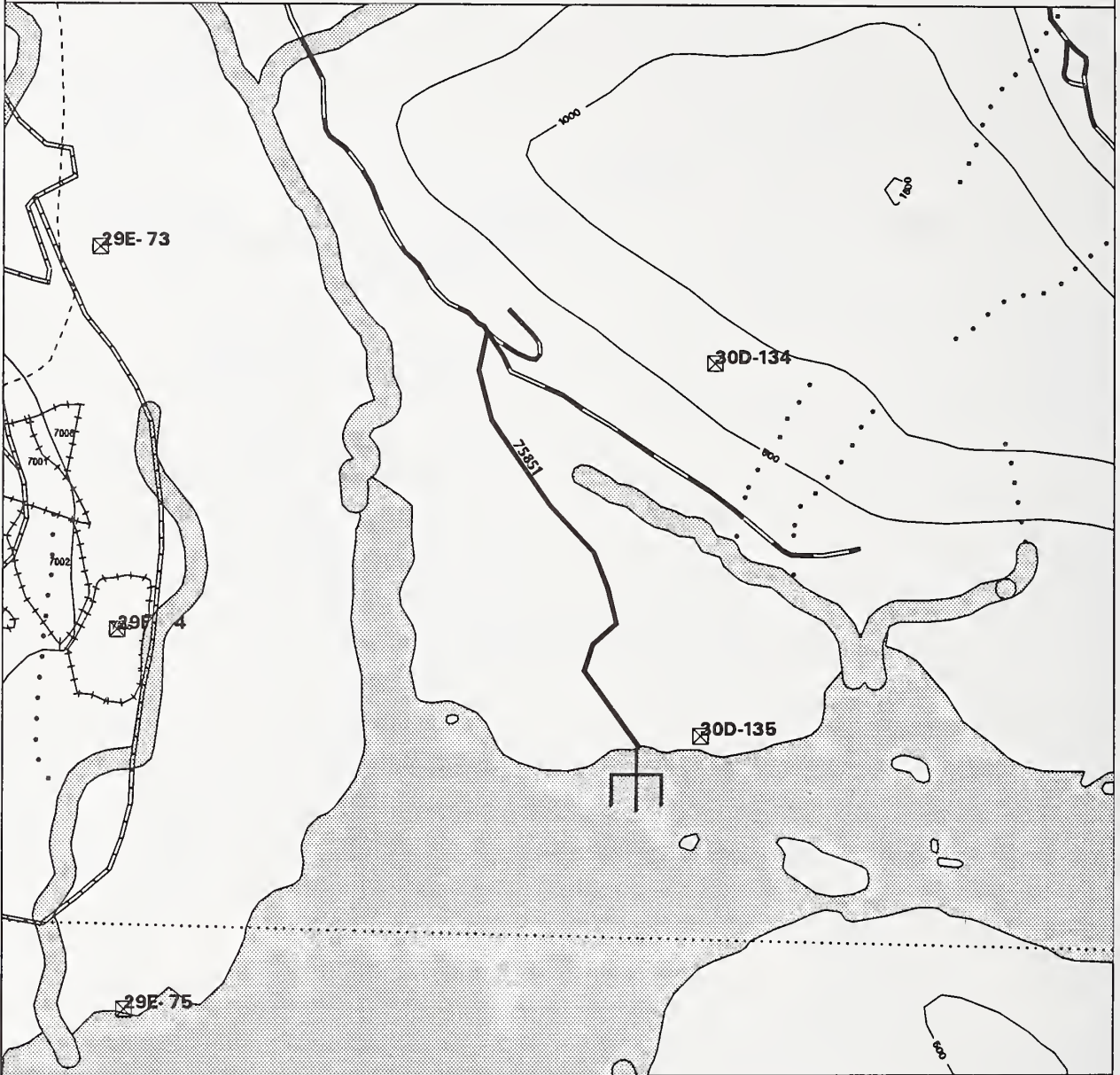
QUAD (S) : SITB5SE

Miles of existing road 0

VCU (S) : 300

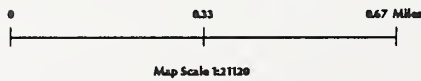
Miles of proposed road 1

Total miles: 1



- UNIT BOUNDARY
- SUBJECT ROAD 75851
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY

**500 FT CONTOUR INTERVAL**



- CLASS III STREAM
- CLASS II-NO BUFFER
- CLASS I & II STREAM BUFFER
- SHORELINE

- PHOTO POINT
- EAGLE TREE
- VCU line
- QUAD line





NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3000 ROAD NUMBER: 75851		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: No	REVIEWED BY: J.Morrell
SPECIALISTS NEEDED: None Needed		
REMARKS: No Concerns		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: T.Allio
SPECIALISTS NEEDED: none		
REMARKS: route begins at the proposed LTF site at nakwasina sound to rd 7585. rock source available in small rise inland of the LTF site. Standard overlay, construction.		
{ SOILS }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: No concerns identified from photo or GIS review		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Within visual quality objective		
{ RECREATION }	FIELD REVIEWED: Yes	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: In LTF design and construction allow for easy postharvest loading and unloading of ATVs from a skiff. Allow for good skiff anchorage.		
{ HERITAGE }	FIELD REVIEWED: Yes	REVIEWED BY: P.Bower
SPECIALISTS NEEDED: Archeologist		
REMARKS: Archeological survey completed for all portions of road 75851 under 100 feet in elevation and for the proposed LTF location at the terminus of the road . No sites identified. An archeologist should be notified at the final design stage for road 75851 and for the LTF at the terminus of the road (Nakwasina). Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by project activity. Further Section 106 review required for on shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.		

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 7558

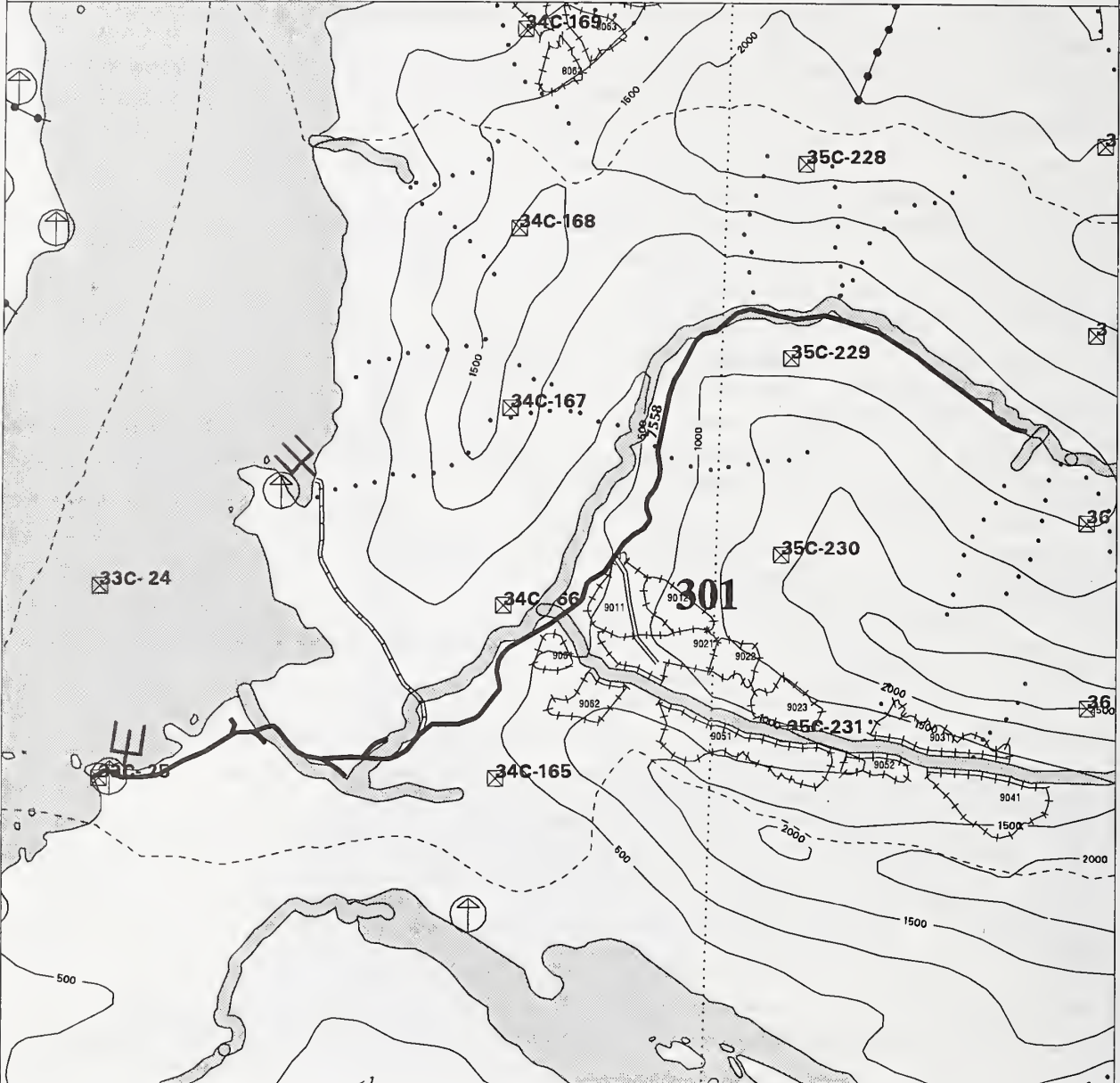
QUAD (S) : SITA5NE, SITA4NW

Miles of existing road 4.4

VCU (S) : 300, 301, 313

Miles of proposed road 0

Total miles: 4.4



**LEGEND:**

- UNIT BOUNDARY
- SUBJECT ROAD 7558
- EXISTING ROAD
- PLANNED ROAD
- TEMPORARY ROAD
- LOG TRANSFER FACILITY



**500 FT CONTOUR INTERVAL**

0 0.59 1.18 Miles

Map Scale 1:37500

CLASS III STREAM

CLASS II-NO BUFFER

CLASS I & II STREAM BUFFER

SHORELINE



PHOTO POINT

EAGLE TREE

VCU line

QUAD line



NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3010 ROAD NUMBER: 7558

{ SILVICULTURE } FIELD REVIEWED: No REVIEWED BY: No Reviewer  
SPECIALISTS NEEDED: None Needed  
REMARKS: None Provided

{ LANDS } FIELD REVIEWED: Yes REVIEWED BY: T.Allio  
SPECIALISTS NEEDED: LANDS  
REMARKS: Existing road and existing LTF site is are in state land selection AA-71691 and native allotment applications J-011250 and A-060985. Deed of further assurance has been requested from Tlingit Haida Central Council. Federal right-of-way resevation and concurrence with AK.DNR is required to build road over state land selection.

{ ROADS } FIELD REVIEWED: Yes REVIEWED BY: R.Jacobson  
SPECIALISTS NEEDED: fisheries, hydrology and heritage  
REMARKS: reconstruction of this route required from the existing LTF site, Easement needed for the LTF site and road through native claim and state land, Road crosses class I stream need to install two 100 foot bridges and a 80 foot bridge. Cultural needs to be involved to assure that no cultural site, our encountered while reconstructing the road, army corp permit and epa permits may be required as we will have to encroach on the beach to avoid the curtural sites.

{ SOILS } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
SPECIALISTS NEEDED: None  
REMARKS: No concerns

{ FISHERIES } FIELD REVIEWED: Yes REVIEWED BY: B.Lorenz  
SPECIALISTS NEEDED: None Needed  
REMARKS: See Hydrology For Remarks

{ HYDROLOGY } FIELD REVIEWED: Yes REVIEWED BY: D.Kelliher  
SPECIALISTS NEEDED: None Needed  
REMARKS: None Provided

{ WILDLIFE } FIELD REVIEWED: Yes REVIEWED BY: GRIT  
SPECIALISTS NEEDED: Roads and Wildlife  
REMARKS: Contains a eagle nest, number 12315007, within the required 330 foot eagle nest tree buffer. Road reconstruction will need a variance from the USFWS.

{ VISUALS } FIELD REVIEWED: Yes REVIEWED BY: E.Ouderkirk  
SPECIALISTS NEEDED: None Needed  
REMARKS: Within visual quality objective

{ RECREATION } FIELD REVIEWED: No REVIEWED BY: B.Flynn  
SPECIALISTS NEEDED: None Needed  
REMARKS: No specific concerns

{ HERITAGE } FIELD REVIEWED: Yes REVIEWED BY: P.Bower  
SPECIALISTS NEEDED: Archeologist  
REMARKS: Archeological survey completed for all portions of road 7558 under 100 feet in elevation and for the proposed LTF site. Two sites identified. The following stipulations are required to prevent effects to the two sites.  
1. Reconstruction along road 7558 between Lisa Creek and the proposed LTF site must be limited to the existing road surface or the downslope, water-side of the existing road bed.  
2. No ditchline excavation shall be planned upslope of the existing road between Lisa Creek and the proposed LTF site.  
3. An archeologist shall work with the road designer in designing the road segment between Lisa Creek and the proposed LTF site. The road design will be subject to approval by the Forest Archeologist.  
4. Any excavation in and around the proposed LTF site requires archeological review.  
5. An archeologist will monitor road and LTF construction at the time of implementation. If there is any threat to the archeological sites or if additional archeological resources are encountered, project activity will stop.  
6. Any changes in the road and LTF location will be subject to review under Section 106 of the National Historic Preservation Act, as amended.

# NORTHWEST BARANOF PROJECT ROAD CARD

## PLANNED ROAD ROUTE MAP

ROUTE NUMBER: 75581

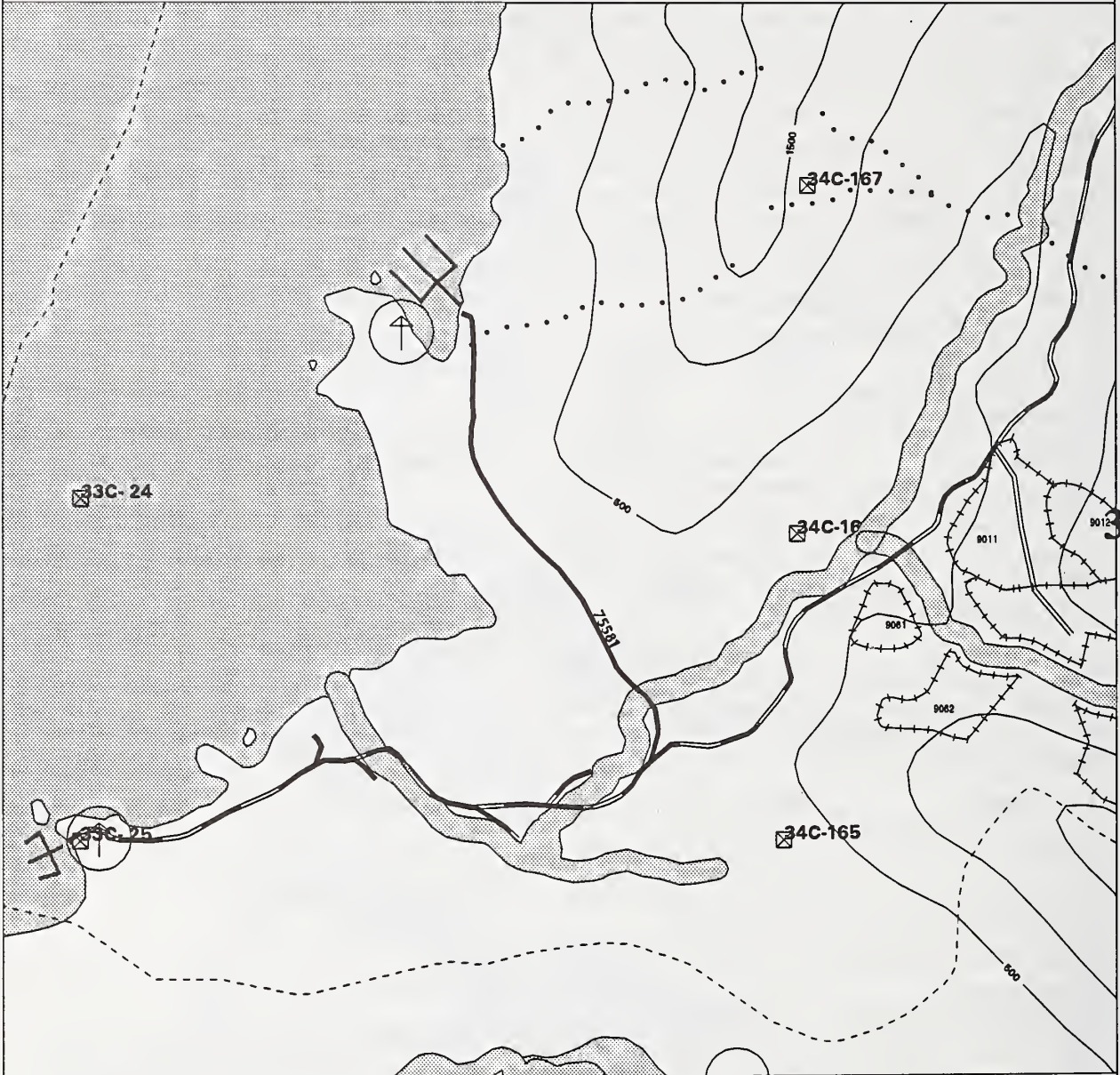
QUAD (S) : SITA5NE

Miles of existing road 0

VCU (S) : 301

Miles of proposed road 1

Total miles: 1



<b>LEGEND:</b>		<b>500 FT CONTOUR INTERVAL</b>		
UNIT BOUNDARY				
SUBJECT ROAD 75581		0.33	0.47 Miles	
EXISTING ROAD		Map Scale 1:31120		
PLANNED ROAD		CLASS III STREAM		PHOTO POINT
TEMPORARY ROAD		CLASS II-NO BUFFER		EAGLE TREE
LOG TRANSFER FACILITY		CLASS I & II STREAM BUFFER		VCU line
		SHORELINE		QUAD line

NORTHWEST BARANOF HARVEST ROAD CARD

VCU: 3010 ROAD NUMBER: 75581		
{ SILVICULTURE }	FIELD REVIEWED: No	REVIEWED BY: No Reviewer
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ LANDS }	FIELD REVIEWED: Yes	REVIEWED BY: T.Allio
SPECIALISTS NEEDED: LANDS		
REMARKS: Approximately 0.5 Miles of new road through state selection AA-71691. Concurrence with AK DNR and federal right-of-way reservation required to construct this road.		
{ ROADS }	FIELD REVIEWED: Yes	REVIEWED BY: R.Jacobson
SPECIALISTS NEEDED: fisheries and hydrologist		
REMARKS: route claims out of the Ltf site through a rock nose that can be used as a rock source for the road. Route will require a easement through state land, 100 foot bridge required to cross a class I stream.		
{ SOILS }	FIELD REVIEWED: Yes	REVIEWED BY: GRIT
SPECIALISTS NEEDED: None Needed		
REMARKS: No concerns were identified; part of route is mapped as having a high mass movement hazard; request that a soil scientist be notified if questionable areas are encountered during layout.		
{ FISHERIES }	FIELD REVIEWED: Yes	REVIEWED BY: B.Lorenz
SPECIALISTS NEEDED: None Needed		
REMARKS: See Hydrology For Remarks		
{ HYDROLOGY }	FIELD REVIEWED: Yes	REVIEWED BY: D.Kelliher
SPECIALISTS NEEDED: None Needed		
REMARKS: None Provided		
{ WILDLIFE }	FIELD REVIEWED: No	REVIEWED BY: C.Hartmann
SPECIALISTS NEEDED: None Needed		
REMARKS: Pending		
{ VISUALS }	FIELD REVIEWED: Yes	REVIEWED BY: E.Ouderkirk
SPECIALISTS NEEDED: None Needed		
REMARKS: Locate road to minimize visual impacts from key viewpoints, Locate and design rockpits to minimize visual impacts. Fully rehabilitate rock pit area. Retain screen trees, Apply grass seed and fertilizer to all cut and fill banks.		
{ RECREATION }	FIELD REVIEWED: Yes	REVIEWED BY: B.Flynn
SPECIALISTS NEEDED: None Needed		
REMARKS: Keep road location from LTF to Lisa Creek as far away from beach fringe as possible to reduce impact on nearby camp site.		
{ HERITAGE }	FIELD REVIEWED: Yes	REVIEWED BY: P.Bower
SPECIALISTS NEEDED: Archeologist		
REMARKS: Archeological survey completed for all portions of road 75581 under 100 feet in elevation and for the proposed LTF location at the terminus of road 75581. No sites identified. An archeologist should be notified at the final design stage for road 75581. Working with other specialists, the archeologist needs to confirm that nearby historic properties will not be damaged indirectly by harvest. Further Section 106 review required for on-shore developments at distances greater than 100m from identified LTF and HILT locations; this includes any facilities, shore ties, or camps.		

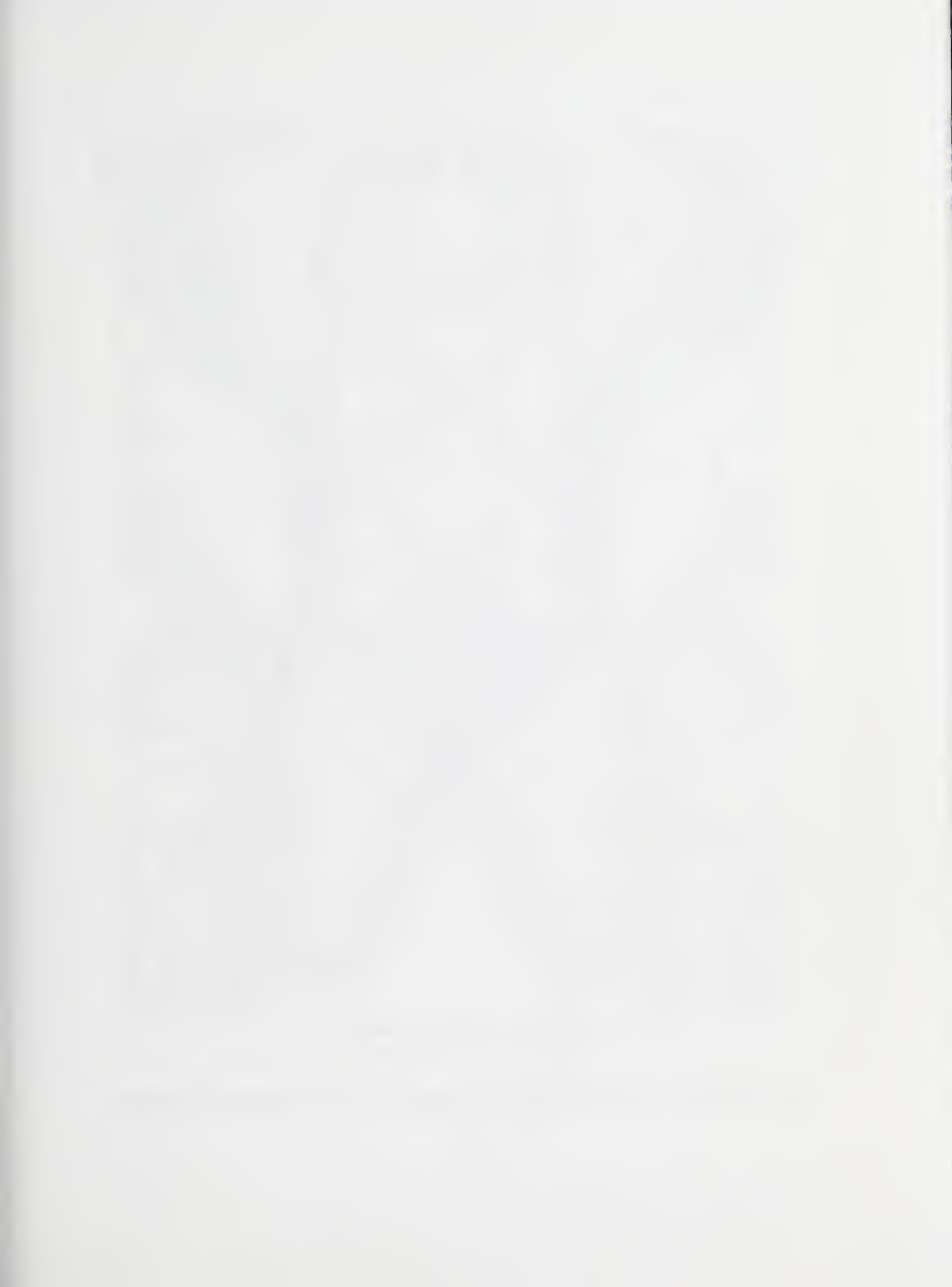


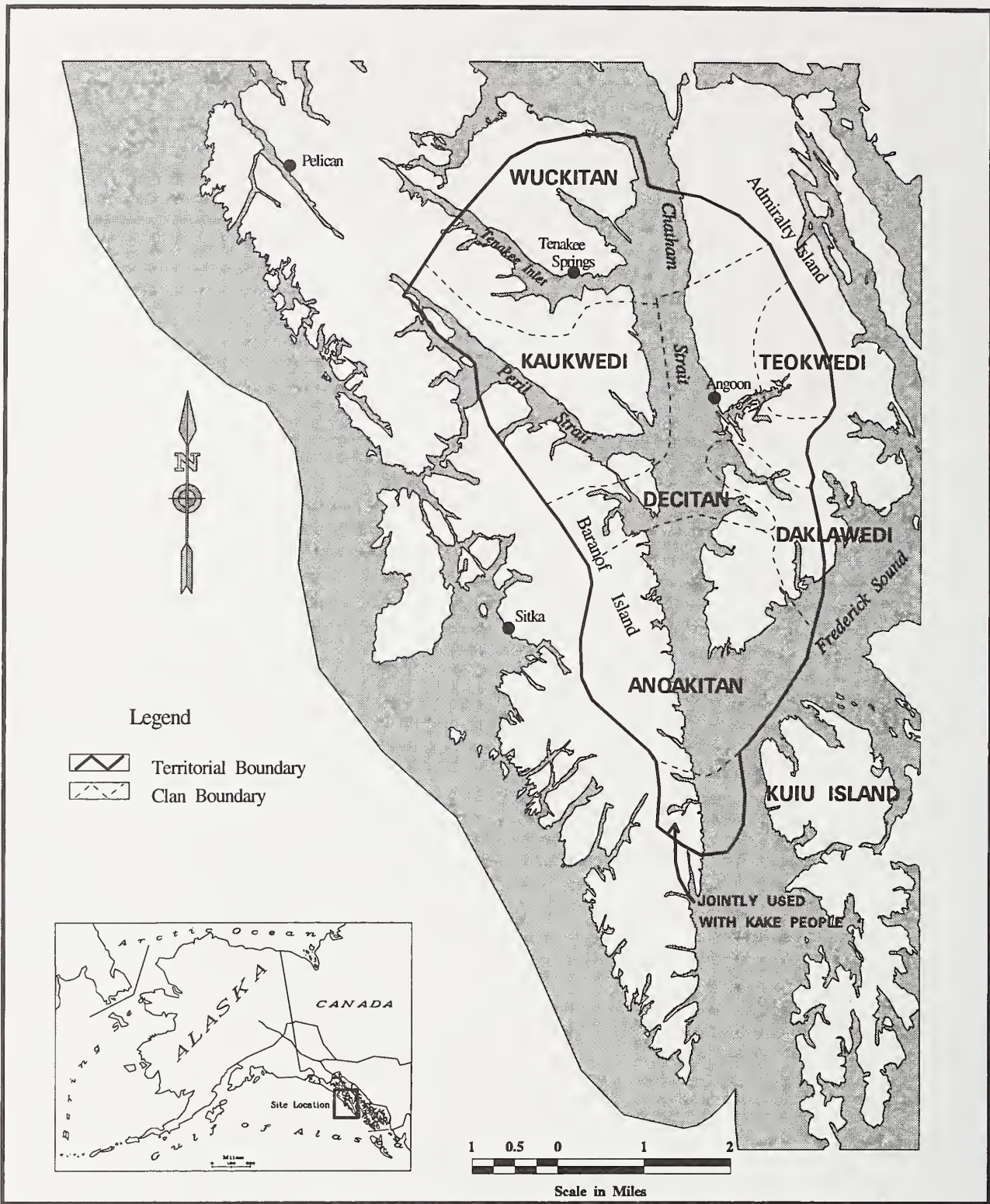
# **Appendix I**

## **Subsistence**

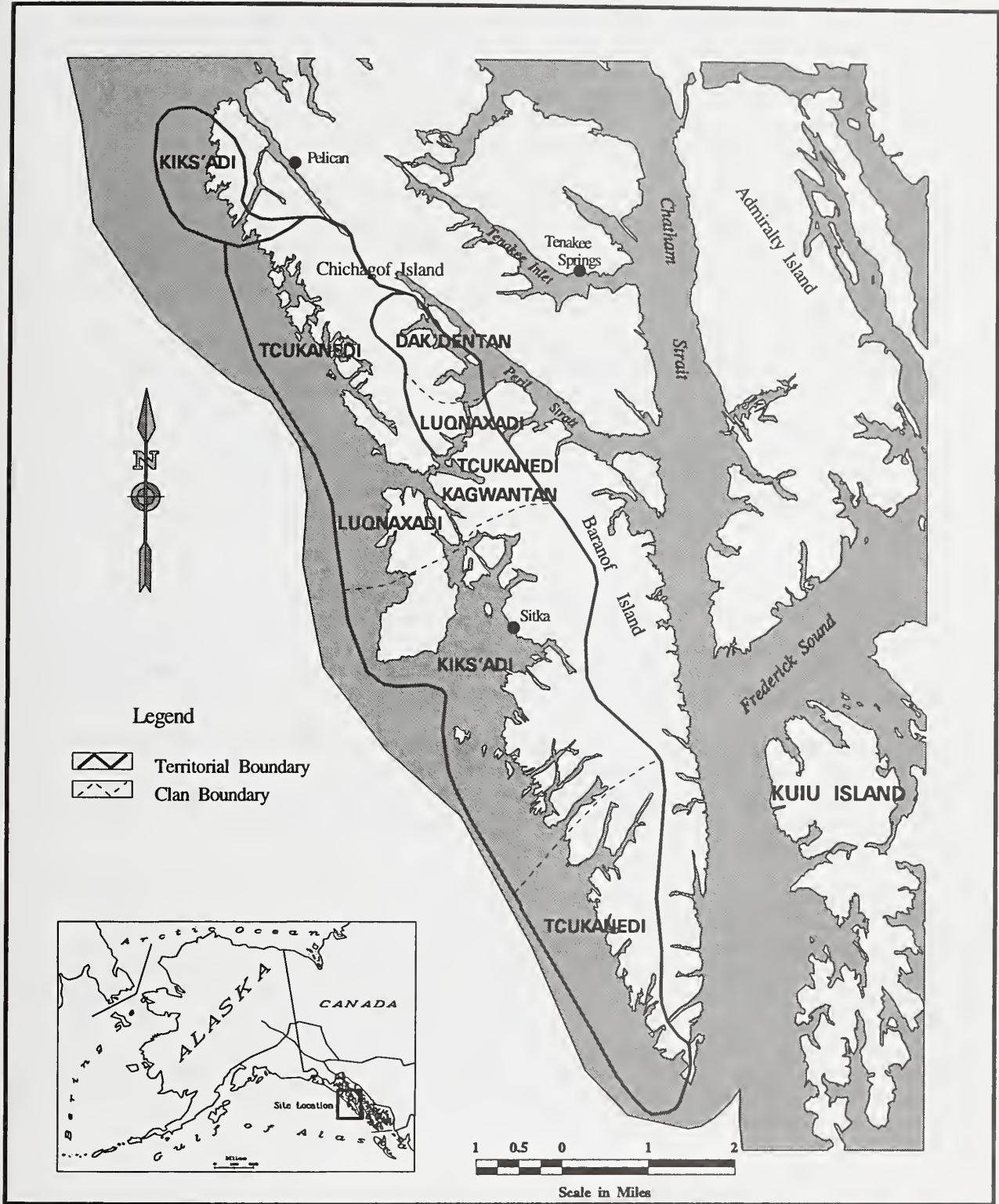








HISTORICAL CLAN HUNTING BOUNDARIES OF ANGOON TLINGITS



HISTORICAL CLAN HUNTING BOUNDARIES OF SITKA TLINGITS

Angoon, the only community on Admiralty Island, is located at the mouth of Kootznahoo Inlet. Angoon is approximately 31 nautical miles east of the Project Area across Chatham Strait. The 1990 population was reported as 638. Eighty-two percent of the population is Native. Per capita income for residents of Angoon in 1987 was reported as \$5,364. The 1990 median household income was \$32,083 (ADF&G, 1992). Angoon began as a winter village for the Tlingit Indians and remains a traditional Tlingit Indian village. George and Bosworth, 1988, describe Angoon as one of the most traditional Tlingit Indian villages in Southeast Alaska.

A study of deer hunting by the community of Angoon (George and Kookesh, 1983) indicates that Admiralty Island was the preferred place to hunt because of deer abundance, less competition from other hunters, proximity, knowledge of the area, and beaches suitable for boat landing. Peril Strait was reportedly not hunted by some hunters because of the presence of nonlocal hunters, logging activities, and lack of deer. Angoon hunters also heavily rely on Hood and Chaik Bays, Whitewater Bay and Wilson Cove, Kook Lake, Lake Eva, and Hanus Bay.

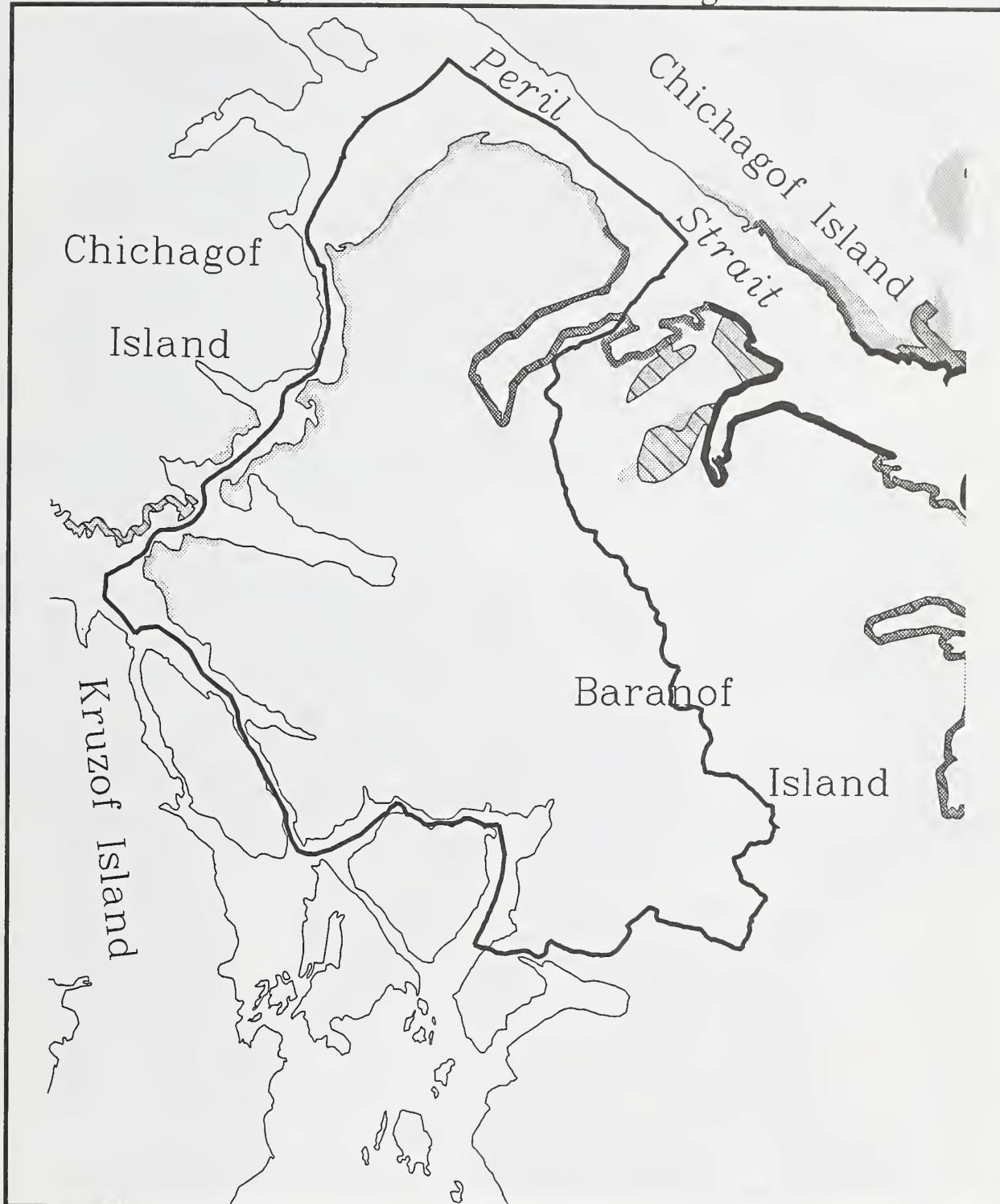
Goldschmidt and Haas (1946) reported that the Angoon Tlingit traveled farther in pursuit of deer than any other resource. Hunting undertaken in areas more distant was often done in conjunction with commercial fishing activities in the past. Some of these are now considered too remote or too costly to access for deer hunting only. George and Bosworth (1988:84) found that 81 percent of Angoon deer hunters accessed their hunting areas by open skiff, while 16 percent used larger vessels. Most deer are taken later in the hunting season after cold weather and snow at high elevations forces deer down to lowland locations. Logging road construction on southeast Chichagof Island generally has not led to the use of the roads for hunting by Angoon residents. Angoon residents generally have not used road systems for deer hunting and often avoid roaded areas because of competition.

The Angoon Subsistence Deer Hunting Areas map displays TRUCS data showing percentage of Angoon households reporting ever hunting deer in the Project Area during the time they lived in the community. In addition, areas that are the most reliable and most often used for deer hunting are identified. The shoreline of Rodman Bay was used by 6 to 15 percent of Angoon's households and depicted as a most reliable most often used area. The shoreline from Rodman Bay through Peril Strait is used by 1-5 percent of households for deer hunting.







Alaska Department of Fish & Game (ADF&G) hunter survey data indicates that Angoon residents harvested a mean of 3 percent of their total deer harvest from the Project Area during the period 1987 - 1992. Harvest occurred in three of those six years. Annual harvest ranged from 0 to 4 percent during that period of time. On average, Angoon's harvest accounts for less than one percent of the harvest from Project Area WAAs. Angoons harvest took place in WAAs 3001 and 3315.

Note that the harvest reported to ADF&G on the deer hunter surveys for Angoon is known to be significantly less than the actual harvest. Face-to-face interviews conducted in Angoon in the spring of 1993 reported a deer harvest of 506 deer from the 69 people interviewed (Schroeder 1994). ADF&G's 1992 Deer Hunter Survey Summary Statistics report 251 deer harvested in Angoon in 1992. The face to face interviews report a deer harvest of nearly 50 percent higher, or twice what was reported in the Wildlife Conservation Division's Hunter Survey Summary Statistics. Hunters reported harvesting a mean 5.7 deer (2.7 bucks and 2.6 does). They also reported giving away a mean 2.2 deer, receiving a mean .5 deer, and hunting on average 9.9 days. The month of December had the highest frequency of harvest activity followed by November, October, August, September, and least frequent was harvest in January. Other findings from the face-to-face interviews include only one deer reported harvested from a Project Area WAA, WAA 3313.

# Angoon Subsistence Deer Hunting Areas



Plotting Date October 06, 1994

-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  16 to 25 Percent of households
-  Greater than 25 percent of households
-  Most reliable, most often used areas
-  Project Boundary



## Sitka

Sitka is located in northern southeast Alaska on the west side of Baranof Island just a few miles from the Project Area. The 1990 Sitka borough population was reported as 8,588. Twenty-one percent of the population is Native. Per capita income of Sitka residents in 1987 was reported as \$14,572. The 1990 median household income was \$43,337 (ADF&G 1992). Sitka is the third largest community in southeastern Alaska.

The TRUCS collected data in 1988 for the year 1987. In Sitka the survey sample of 296 stratified random households was selected from the population of 2,871 identified households in 1988. Data were expanded in order to estimate community harvest levels and participation. The percentage of Sitka households reporting harvesting wild resources was 88.5. Mean household harvest was approximately 411 pounds. Chinook, coho, and sockeye salmon, halibut, rockfish, trout and char, deer, Dungeness and king crab, clams and cockles, and berries were the primary resources harvested within each major category, in terms of quantity of harvest. Harvested resources also included other salmon species, cod, flounder, eulachon, herring, herring roe, moose, black bear, goat, seal, furbearers, upland birds, waterfowl, abalone, tanner crab, clams and cockles, scallops, chitons, octopus, sea cucumber, sea urchin, various plants, wood, and seaweed (Betts et. al. 1993).

In 1987, the annual harvest of subsistence resources was 139 lbs. per capita. This amounted to 38 lbs. of deer; 2 lbs. of other mammals; 38 lbs. of salmon; 56 lbs. of finfish and shellfish; and 5 lbs. of other resources. The average Sitka household derived 15 percent of its meat and fish from subsistence activities in 1987. Deer comprised 27 percent of the subsistence harvest in 1987.







The Sitka Subsistence Deer Hunting Areas map displays TRUCS data showing percentage of Sitka households reporting ever hunting deer in the Project Area during the time they lived in the community. In addition, areas that are the most reliable and most often used for deer hunting are identified. Nearly all of Project Area was identified as areas used for hunting by Sitka residents and areas most reliable or areas used most often for hunting deer. Some areas are more heavily used than other areas, these include: Katlian drainage, Nakwasina Passage, St. John Baptist Bay, Fish Bay shoreline, and Deadman Reach shoreline.

Alaska Department of Fish & Game (ADF&G) hunter survey data indicates that Sitka residents harvested a mean of 38 percent of their total deer harvest from the Project Area during the period 1987 - 1992. Harvest occurred in all of those six years. Annual harvest ranged from 34 to 43 percent of Sitka's harvest during that period of time. On average, Sitka's harvest accounts for 90 percent of the harvest from Project Area WAAs. WAAs 3001 and 3002 which are closest to Sitka get the most harvest. WAAs 3312, 3313, and 3314 get about one third of the harvest of 3001 and 3002.

# Sitka Subsistence Deer Hunting Areas



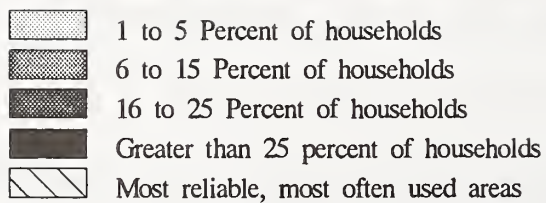
Plotting Date October 04, 1994

-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  16 to 25 Percent of households
-  Greater than 25 percent of households
-  Most reliable, most often used areas
-  Project Boundary



Source: TRUCS, 1988; GIS

# Northwest Baranof Regional Subsistence Deer Harvest



 Project Boundary

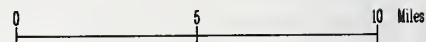
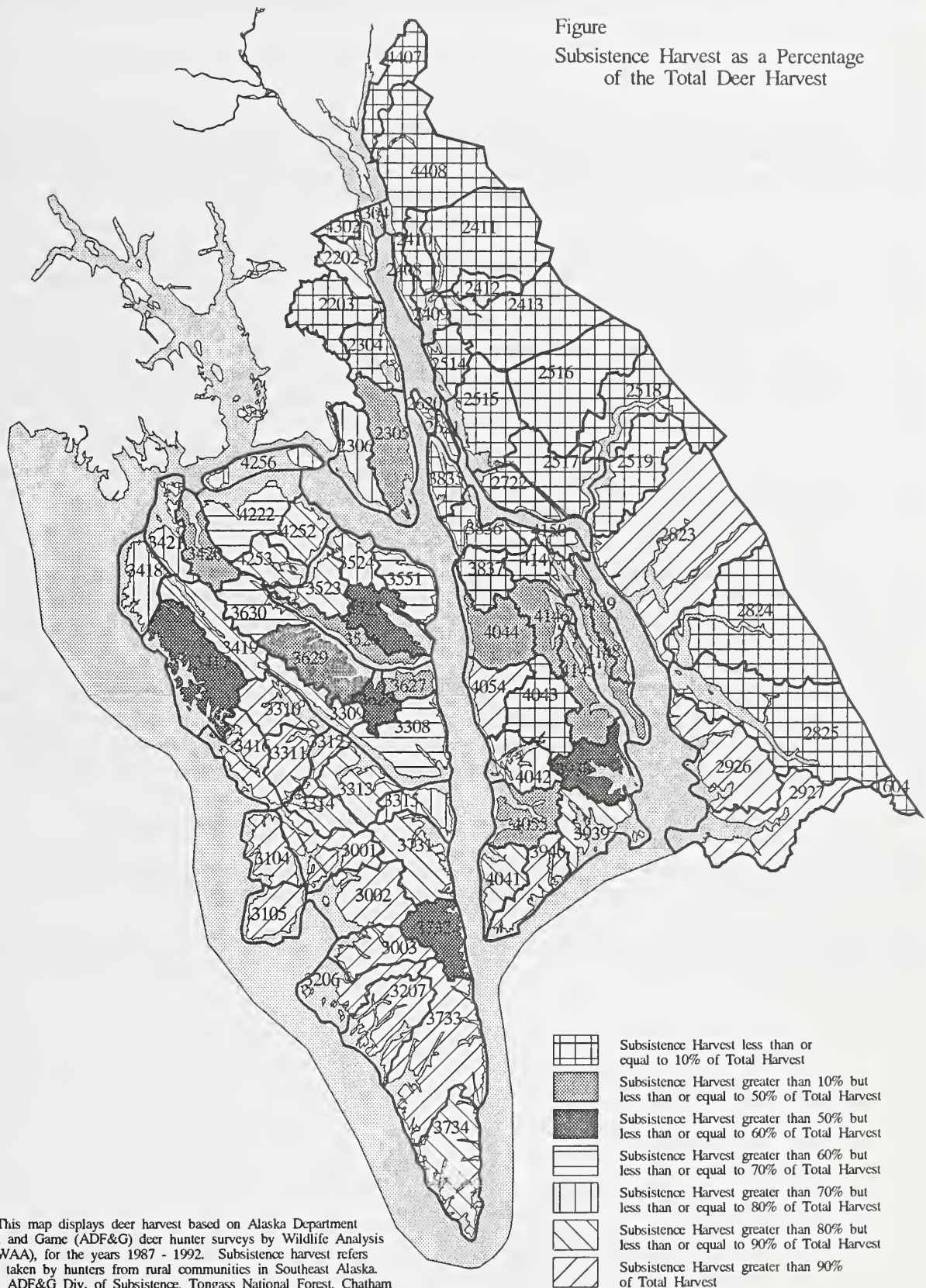
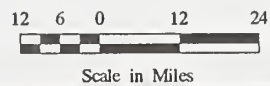




Figure  
 Subsistence Harvest as a Percentage  
 of the Total Deer Harvest



Note: This map displays deer harvest based on Alaska Department of Fish and Game (ADF&G) deer hunter surveys by Wildlife Analysis Area (WAA), for the years 1987 - 1992. Subsistence harvest refers to deer taken by hunters from rural communities in Southeast Alaska. Source: ADF&G Div. of Subsistence, Tongass National Forest, Chatham Area Gis.



## Summary

The communities of Angoon, Haines, Hidden Falls, Hoonah, Juneau, Kake, Ketchikan, Pelican, Petersburg, Port Alexander, Port Protection, Sitka, Skagway, Tenakee Springs, Thoms Place, Thorne Bay, and Wrangell were determined to be communities which are most likely to harvest resources from the Project Area. All of these communities are designated rural except Juneau and Ketchikan.

Sitka is the most dependent on the Project Area for its deer harvest, deriving 38 percent of its total harvest from the Project Area for the years 1987 through 1992. Sitka is geographically the closest community to the Project Area and is the third largest community in Southeast Alaska.

No other community comes close to matching the use and deer harvest reported by Sitka residents. On average, Sitka harvests 90 percent of the deer that are taken from the Project Area. Sixteen other communities harvest the other ten percent of the deer harvest. Of this ten percent Juneau residents harvest two percent and residents of Haines, Petersburg, Wrangell, and Ketchikan each harvest one percent. Of these 5 communities Wrangell's harvest comprises six percent of its community's harvest, which is the highest percentage of a community's harvest of the five communities (Juneau, less than 1%; Ketchikan, 1%; Haines, 4%; Petersburg, 3%). In addition, on the TRUCS survey, Wrangell residents identified Project Area WAAs as most reliable and most often used areas for deer hunting.

Six communities identified Project Area WAAs as most reliable and most often used for deer hunting. In order of rank from the area identified as most reliable and most often used to the least they are: Sitka, Wrangell, Port Alexander, Port Protection, Tenakee Springs, and Angoon. However, neither Port Protection nor Tenakee Springs have reported harvesting deer from Project Area WAAs on the ADF&G hunter survey from 1987-1992.

Another test of an area's importance for deer hunting to a community is the consistency with which residents hunt there. Only the communities of Juneau and Sitka reported harvest in all the years from 1987 to 1992. Three communities, Angoon, Petersburg, and Ketchikan reported harvest in four of the six years. Wrangell reported harvest in three of the six years. All other communities harvested deer in none, one, or two of the six years.

Only three percent of the deer harvest from Project Area WAAs is taken by nonrural residents.

Rural communities comprising a significant proportion of the average harvest from Project Area WAAs include Sitka (90 percent), Haines (1 percent), Petersburg (1 percent), and Wrangell (1 percent).

Sitka's harvest of 90 percent of the deer taken from Project Area WAAs overshadows harvest from all other communities.

## Angoon

Angoon residents primarily hunt the shoreline and beach fringe in Rodman Bay (6 to 15 percent of households) and along Peril Strait and Kakul Narrows from Point Elizabeth to Point Kakul (1 to 5 percent of households). There is little overlap of proposed units in the area where Angoon residents hunt. Proposed harvest units in VCU 288, 289 and 291 which are nearest to satlwater are adjacent to areas where 1 to 15 percent of Angoon households reported hunting.

Angoon's principal use of the Project Area for deer hunting takes place in WAA 3313. Angoon harvests an average of 2 percent of its deer from this WAA. Projected habitat capability is sufficient for both subsistence and nonsubsistence harvest through the year 2008. Angoon has also reported harvesting an average of 1 percent of its deer from WAA 3001. Estimated habitat capability is not sufficient to meet current subsistence demand in this WAA. Proposed project actions would further reduce the ability for this WAA to meet subsistence demand.

The chart shows the estimated demand for deer by Angoon residents and other subsistence and non-subsistence users for the area corresponding to the smallest number of Wildlife Analysis Units that cumulatively supply 90 percent of Angoon's current annual deer harvest. Also shown is the projected number of deer available for harvest assuming the greatest projected habitat reduction under the proposed alternatives. The proposed actions will not significantly affect Angoon's ability to meet its deer harvest requirements. Implementation of the preferred alternative of TLMP coupled with projected increases in demand may mean that there are an insufficient number of deer available for harvest in Angoon's primary use areas to meet both subsistence and non-subsistence demands by 2040.

Based limited use of the Project Area by Angoon residents and lack of projected direct effects on Angoon deer harvesting in the Project Area, there is no significant possibility of a significant restriction of subsistence use of deer by Angoon residents associated with the proposed actions.

## Sitka

Use of the Project Area by residents of Sitka is so extensive that all of the alternatives, except the no action alternative, include cutting units located in areas used by Sitka residents for deer hunting. Alternative 4 involves the greatest aggregate overlap between cutting units and roads, and Sitka deer harvest areas.

Overlap of proposed harvest units and roads with areas used by the greatest percentage of Sitka households occurs in VCU 302 on St. John Peninsula and in VCU 299 along Nakwasina Passage. These harvest units are not proposed in Alternative three and there is no harvest proposed in VCU 299 in Alternative 2. Alternatives 4 and 1 both propose harvest in the areas used by a greater percentage of Sitka households.

Within the Project Area, WAA 3001 currently provides the largest number of deer for Sitka residents. The chart shows that the projected number of deer available for harvest under the project alternative associated with the greatest reduction in deer habitat in WAA 3001 is insufficient to meet the current subsistence demand for deer now and was prior to recorded timber harvest, indicating that restrictions on non-subsistence and possibly subsistence demands may become necessary even without the proposed project.

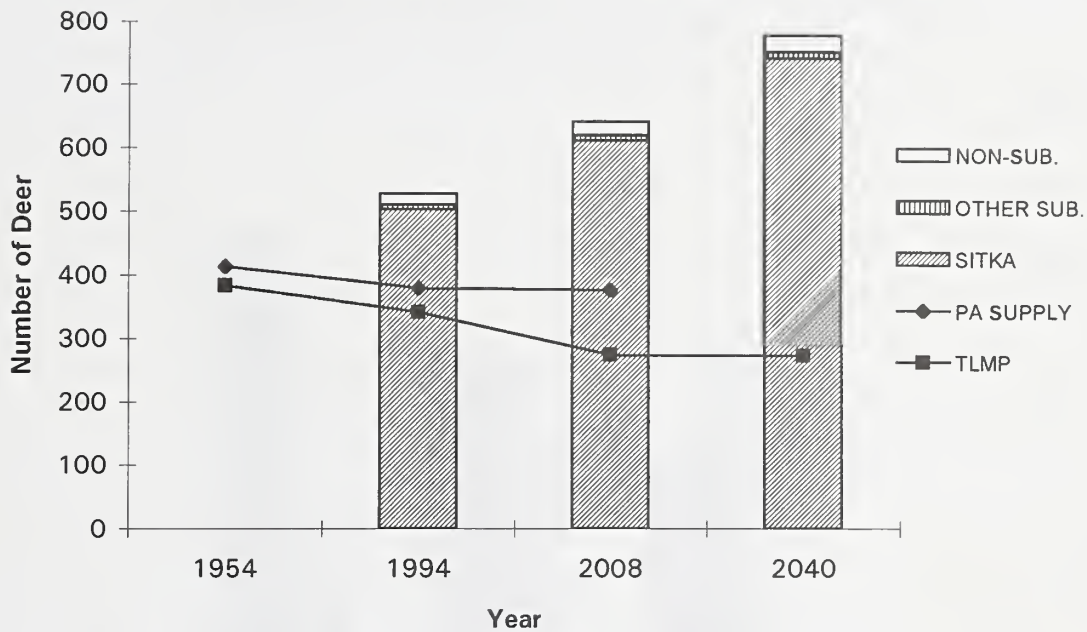
The chart also shows the estimated deer available for harvest if the preferred alternative of the Tongass Land Management Plan is implemented. According to these projections, demand continues to increase and habitat capability remains insufficient to meet projected demand for subsistence uses in the year 2040 assuming subsistence users do not shift their hunting elsewhere.

Sitka takes the majority of the deer harvested from WAAs 3001, 3312, 3313, and 3314. In every WAA except WAA 3313 current subsistence demand exceeds 10 percent of the habitat capability now and exceeded 10 percent of the habitat capability prior to extensive timber harvest. In WAA 3313 ten percent of the habitat capability is sufficient to meet subsistence and nonsubsistence demand now and through the year 2008 for the project but not through 2040 under TLMP.

The chart shows the estimated demand for deer by Sitka residents and other subsistence and non-subsistence users for the area corresponding to the smallest number of Wildlife Analysis Units that cumulatively supply 90 percent of Sitka's average annual deer harvest. Also shown is the projected number of deer available for harvest assuming the greatest projected habitat reduction under the proposed alternatives. This comparison of deer supply and demand indicates that there are currently and will be insufficient deer available for subsistence use in Sitka's primary hunting area. The proposed actions would further reduce Sitka's ability to meet its deer harvest requirements.

Currently Sitka's demand for deer exceeds the estimated supply in all but one of the Project Area WAAs. All of the Project Area WAAs are included in the WAAs which account for 90 percent of Sitka's total deer harvest. Implementation of any action alternative would reduce the potential number of deer available for harvest. Based on the effect of one or more of the project alternatives on the estimated number of deer available for harvest by Sitka residents, there is a significant possibility of a significant restriction of subsistence use of deer for Sitka residents. It may be possible to minimize this restriction by regulating nonsubsistence uses of areas most heavily used by Sitka residents for deer hunting.

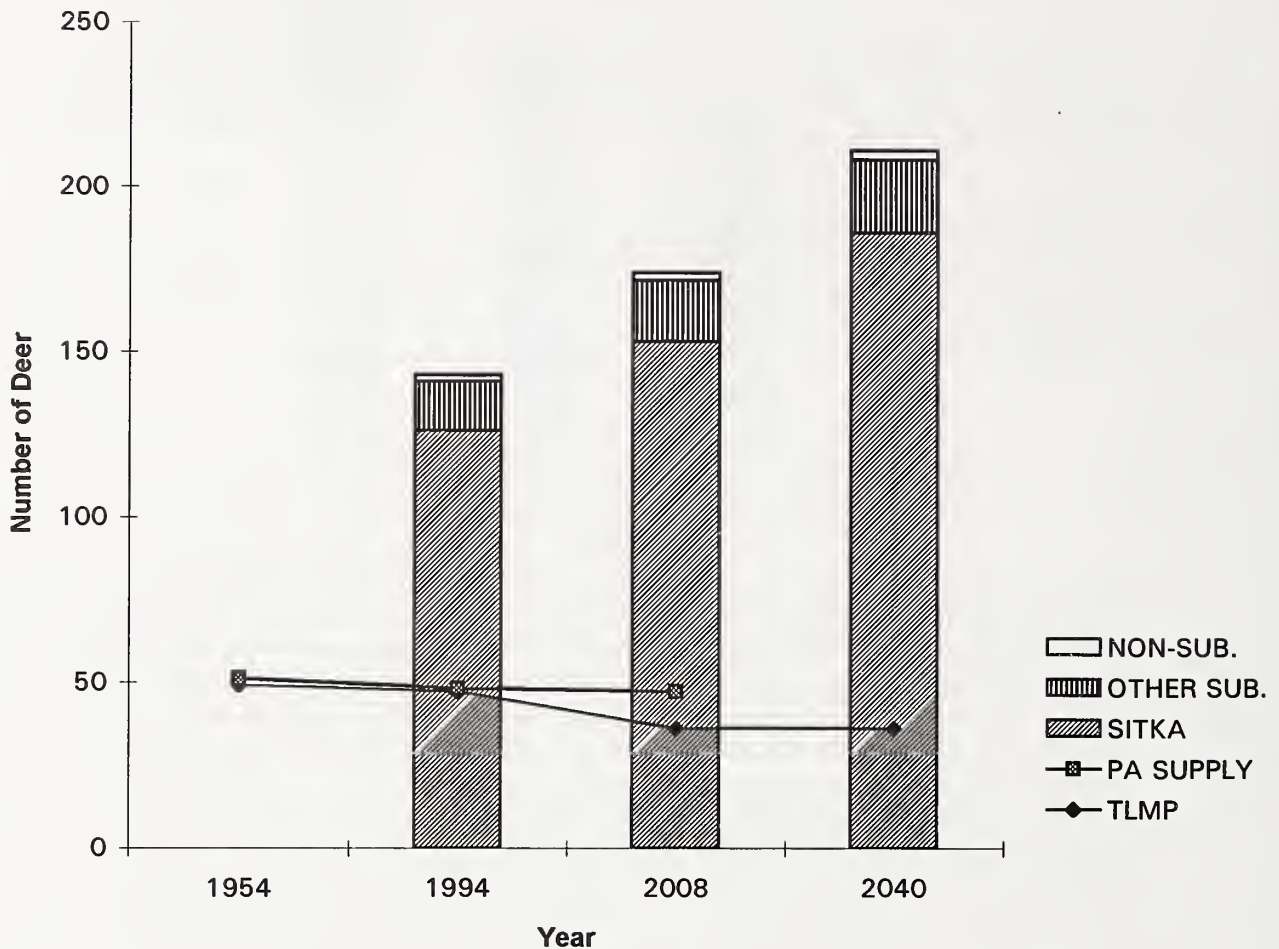
### WAA 3001 Estimated Deer Supply and Demand



SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to DEIS Appendix L; and Chatham Area GIS.

NOTE: Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "PA Supply" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case " alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L, Tongass Land Management Plan Revision, Supplement to the DEIS, August 1991.

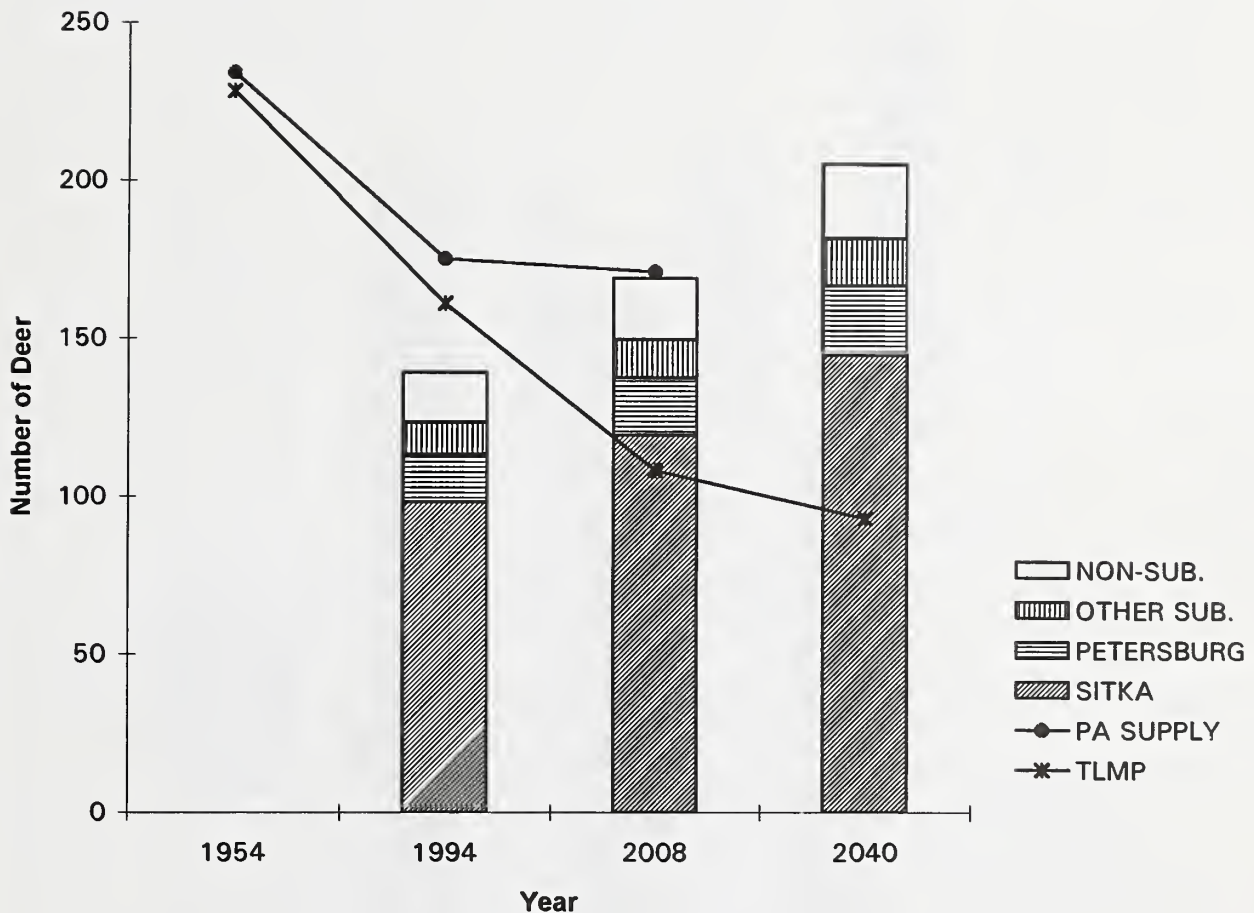
## WAA 3312 Estimated Deer Supply and Demand



SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to the DEIS Appendix L; and Chatham Area GIS.

NOTE: Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "PA Supply" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case" alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L, Tongass Land Management Plan Revision, Supplement

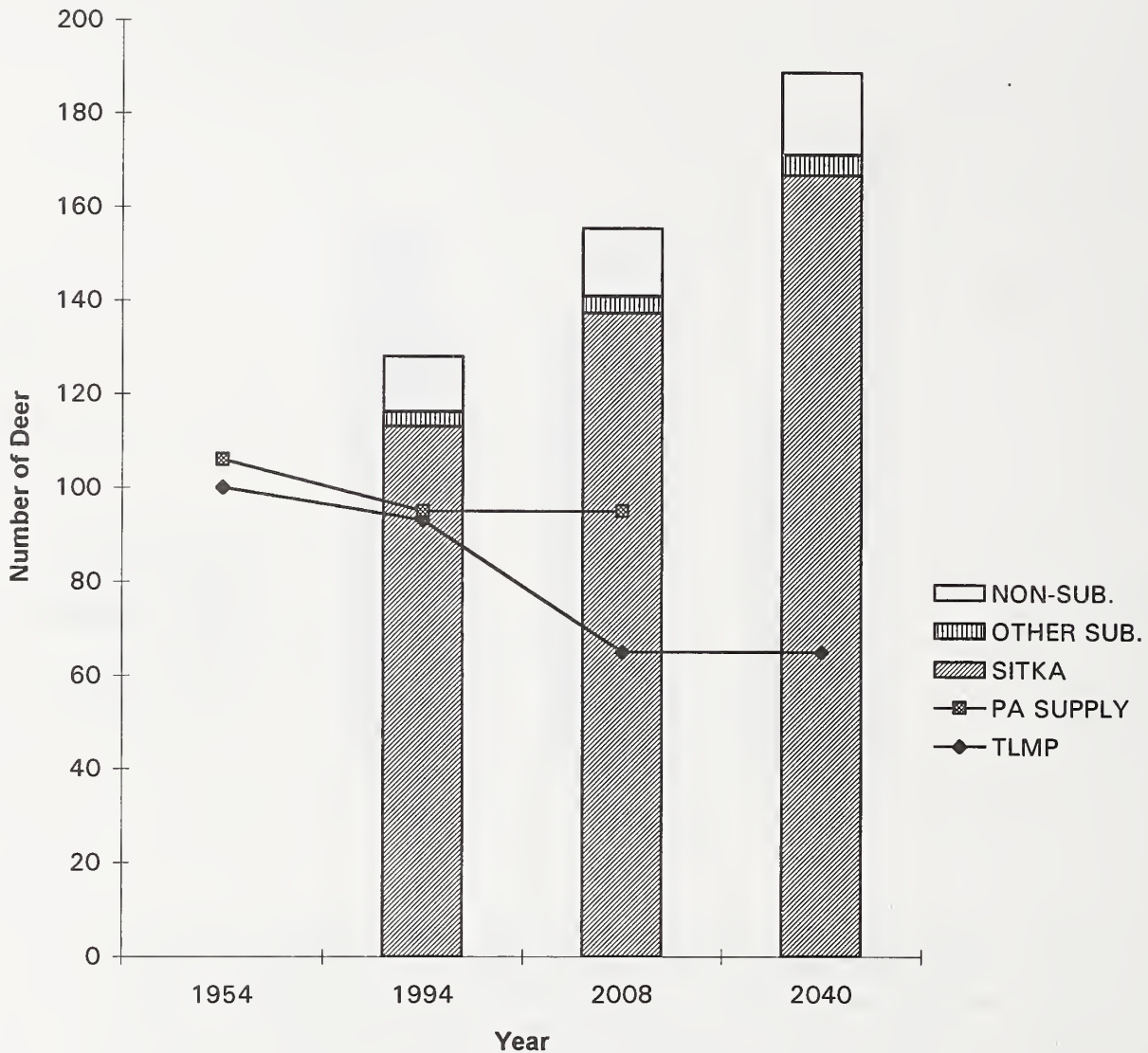
### WAA 3313 Deer Supply and Demand



SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to the DEIS Appendix L; and Chatham Area GIS.

NOTE: Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "PA Supply" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case" alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L,

## WAA 3314 Deer Supply and Demand

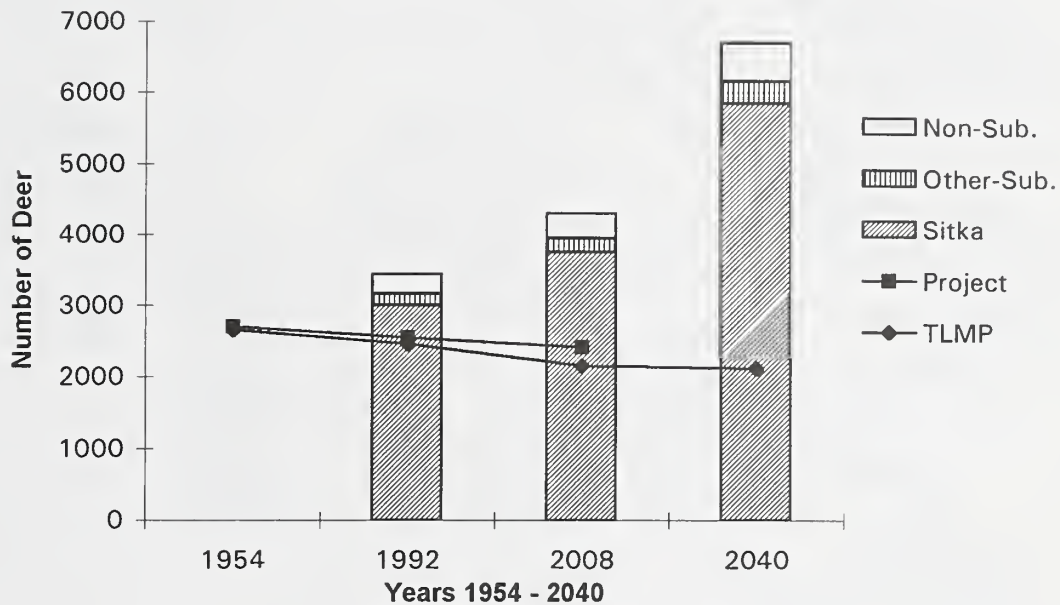


SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to the DEIS Appendix L; and Chatham Area GIS.

NOTE: Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "PA Supply" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case" alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L, Tongass Land Management Plan Revision, Supplement to the DEIS, August 1991.



### SITKA: Estimated Deer For Harvest Demand

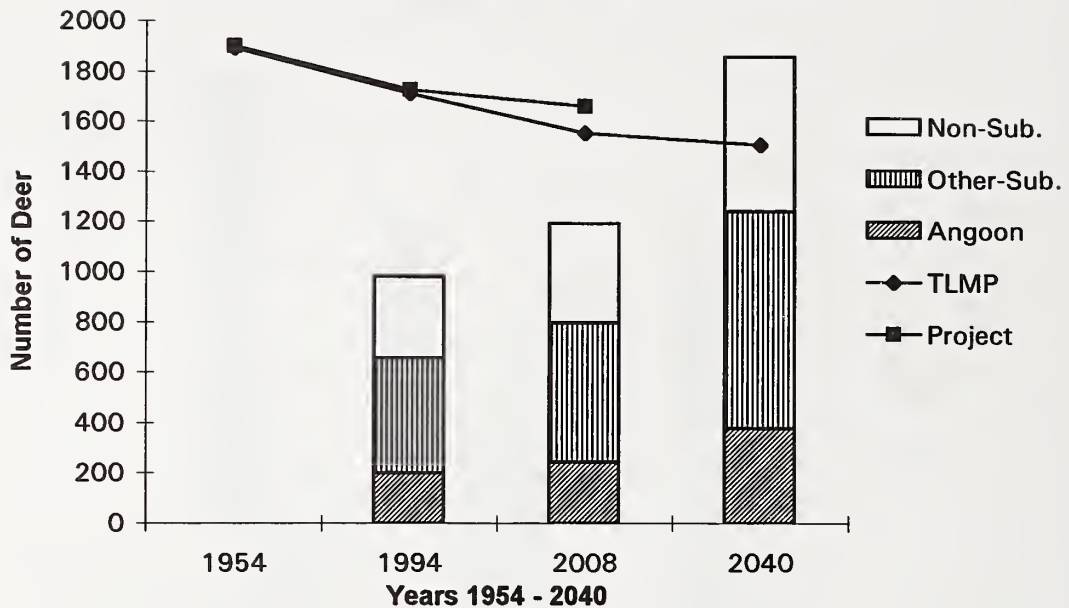


SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to DEIS Appendix L; and Chatham Area GIS.

NOTE: Data is displayed only for those WAAs that accounted for 90 percent of the total deer harvest for this community (WAAs 3001, 3002, 3003, 3104, 3105, 3206, 3207, 3309, 3310, 3312, 3313, 3314, 3416 and 3417).

Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "Project" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case" alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L, Tongass Land Management Plan Revision, Supplement to the DEIS, August 1991.

### Angoon: Estimated Deer For Harvest Demand










SOURCE: Hartmann 1995. Information derived from ADF&G Deer Hunter Surveys 1987 to 1992; TLMP Supplement to DEIS Appendix L; and Chatham Area GIS.

NOTE: Data is displayed only for those WAAs that accounted for 90 percent of the total deer harvest for this community (WAAs 3308, 3313, 3315, 4041, 4042, 4044, 4054 and 4055).

Bars represent estimated and projected deer harvest demands. Harvest demand for 1994 is based on average annual harvest between 1987 and 1992. Projected harvest demand assumes that residents continue to use the areas from which they presently harvest 90 percent of their deer and demand for deer increases with projected community population growth at 14% per decade. "Project" line displays 10 percent of the estimated habitat capability for deer in (1) 1954 before any timber harvest; (2) in 1994; and (3) in 2008 for the "worst-case" alternative. "TLMP" line displays 10 percent of the estimated habitat capability if the preferred alternative is implemented, as reported in Table L-3, Appendix L, Tongass Land Management Plan Revision, Supplement to the DEIS, August 1991.

Sitka Subsistence Deer Hunting Areas Alt - 1

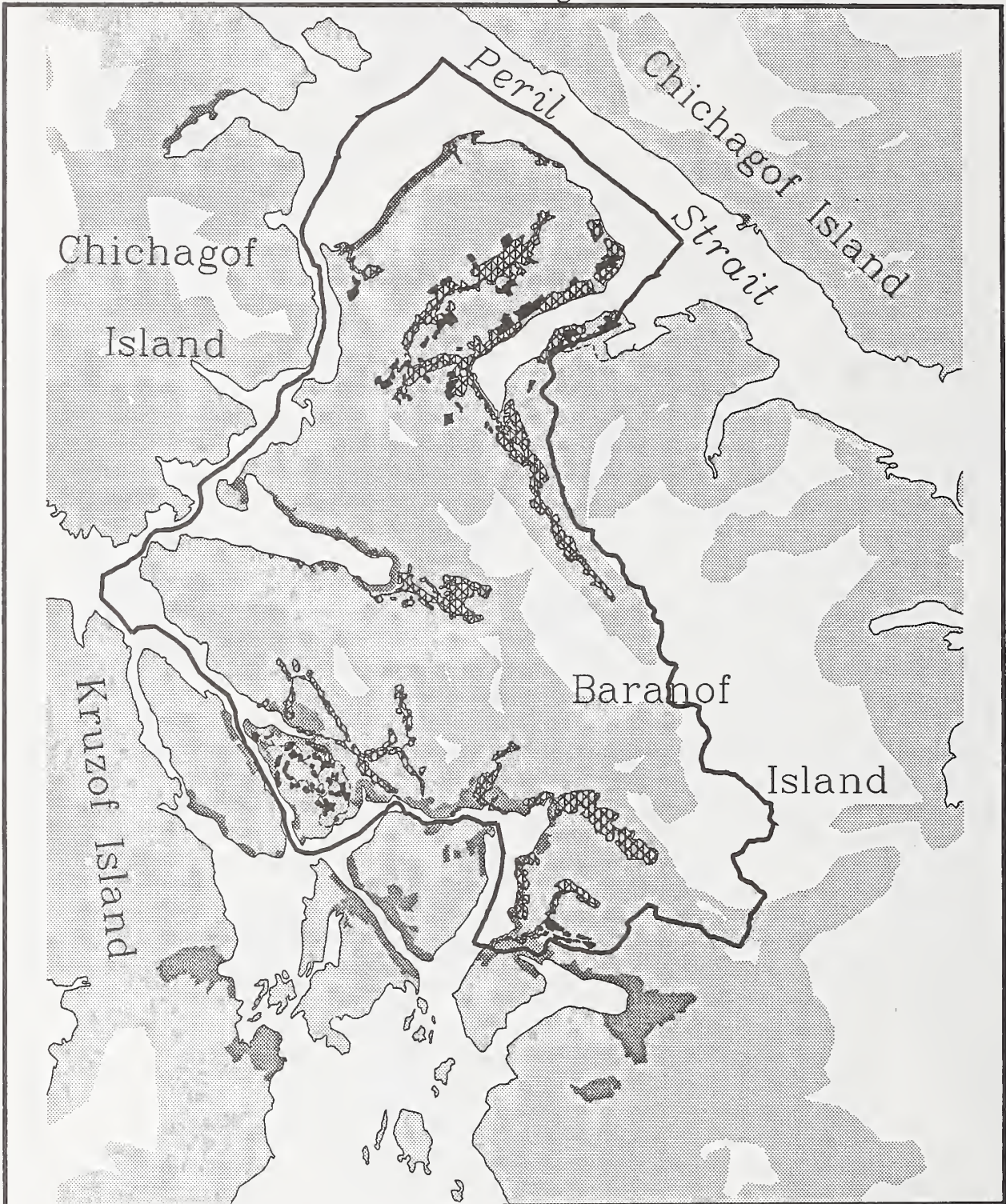









-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts

Plotting Date April 20, 1996



Sitka Subsistence Deer Hunting Areas Alt - 2



-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts

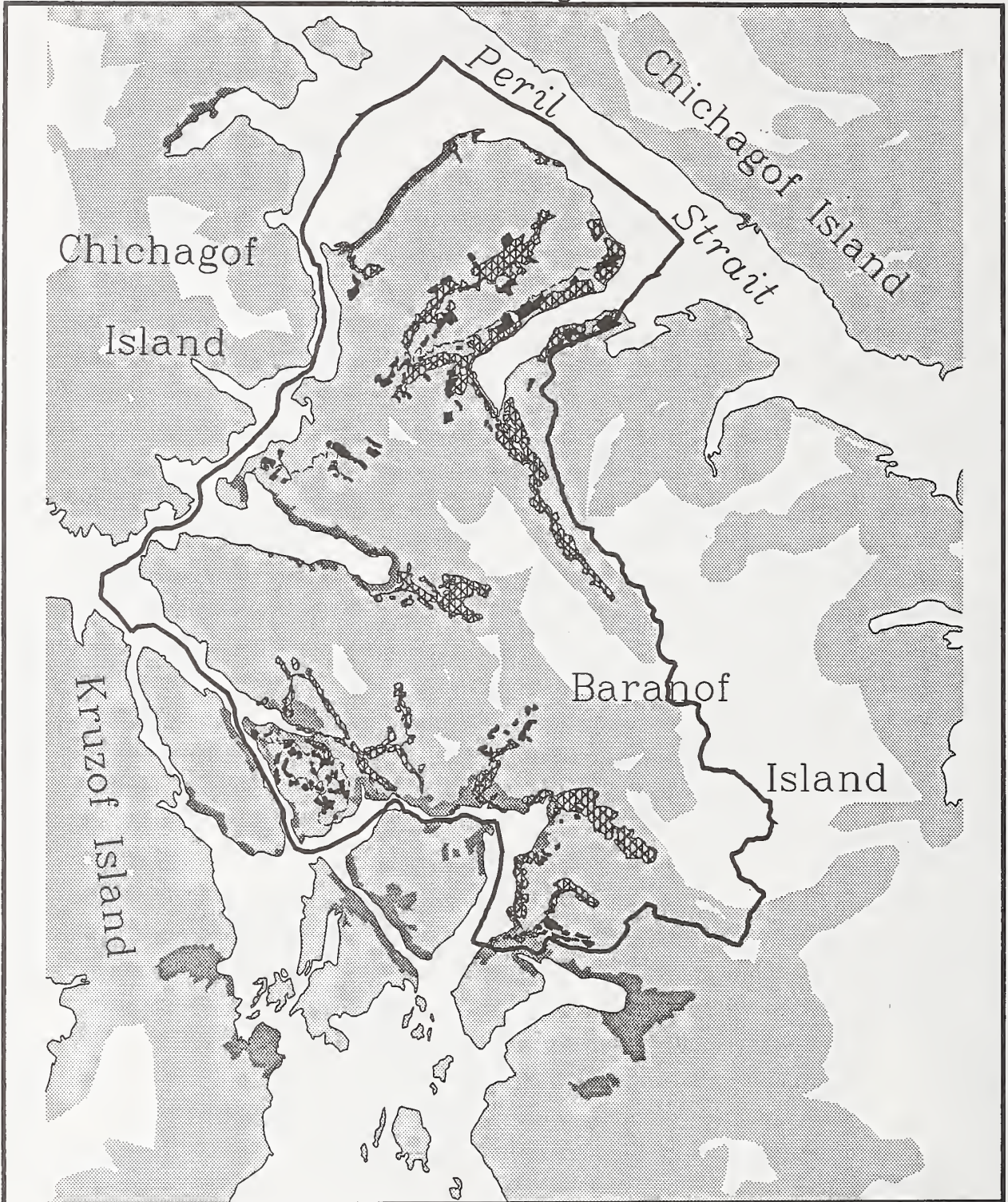
Plotting Date April 20, 1996










Sitka Subsistence Deer Hunting Areas Alt - 3



Sitka Subsistence Deer Hunting Areas Alt - 4

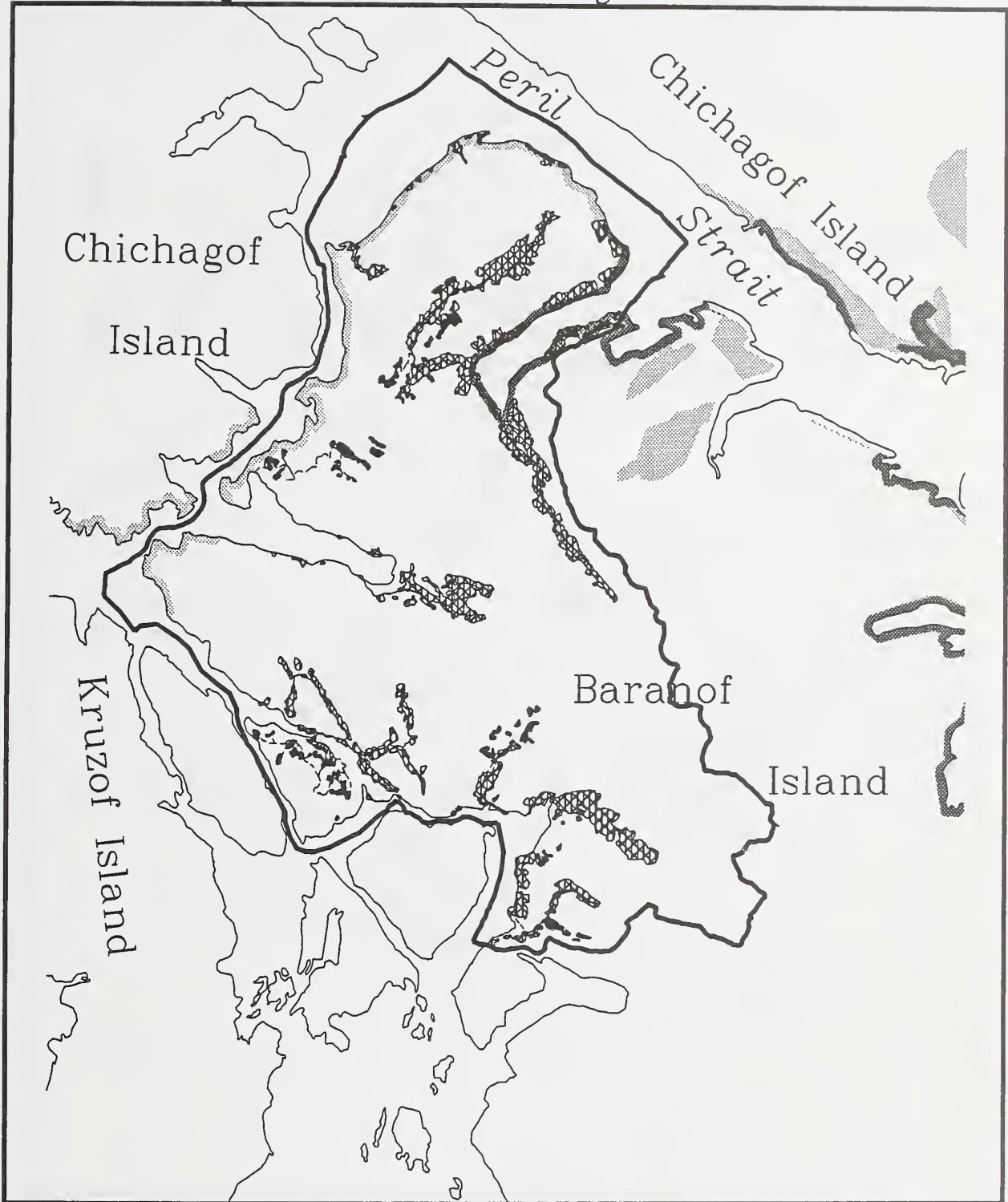









Plotting Date April 20, 1995

-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts



# Angoon Subsistence Deer Hunting Areas Alt - 1

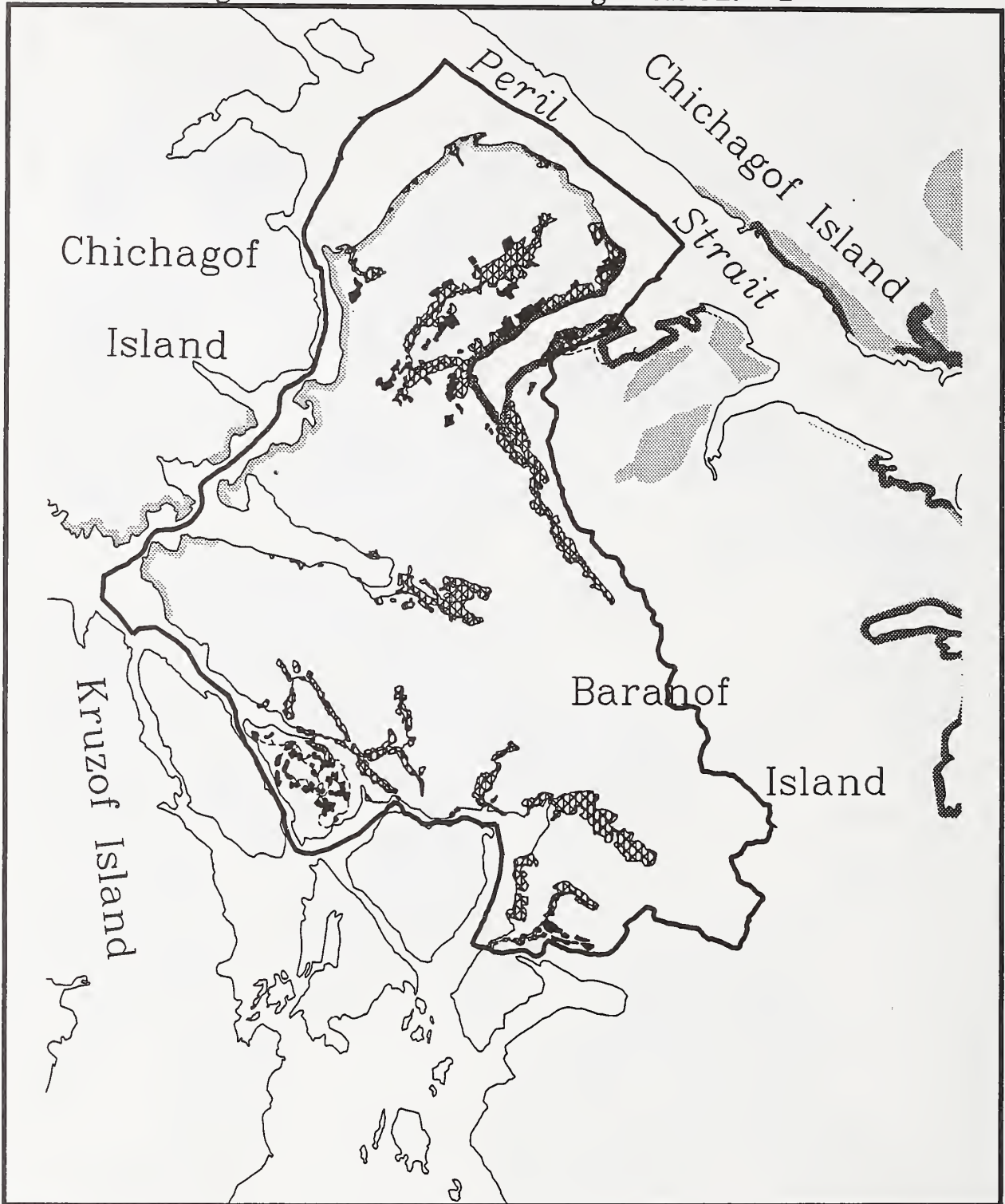









-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts

Plotting Date April 20, 1996



Angoon Subsistence Deer Hunting Areas Alt - 2



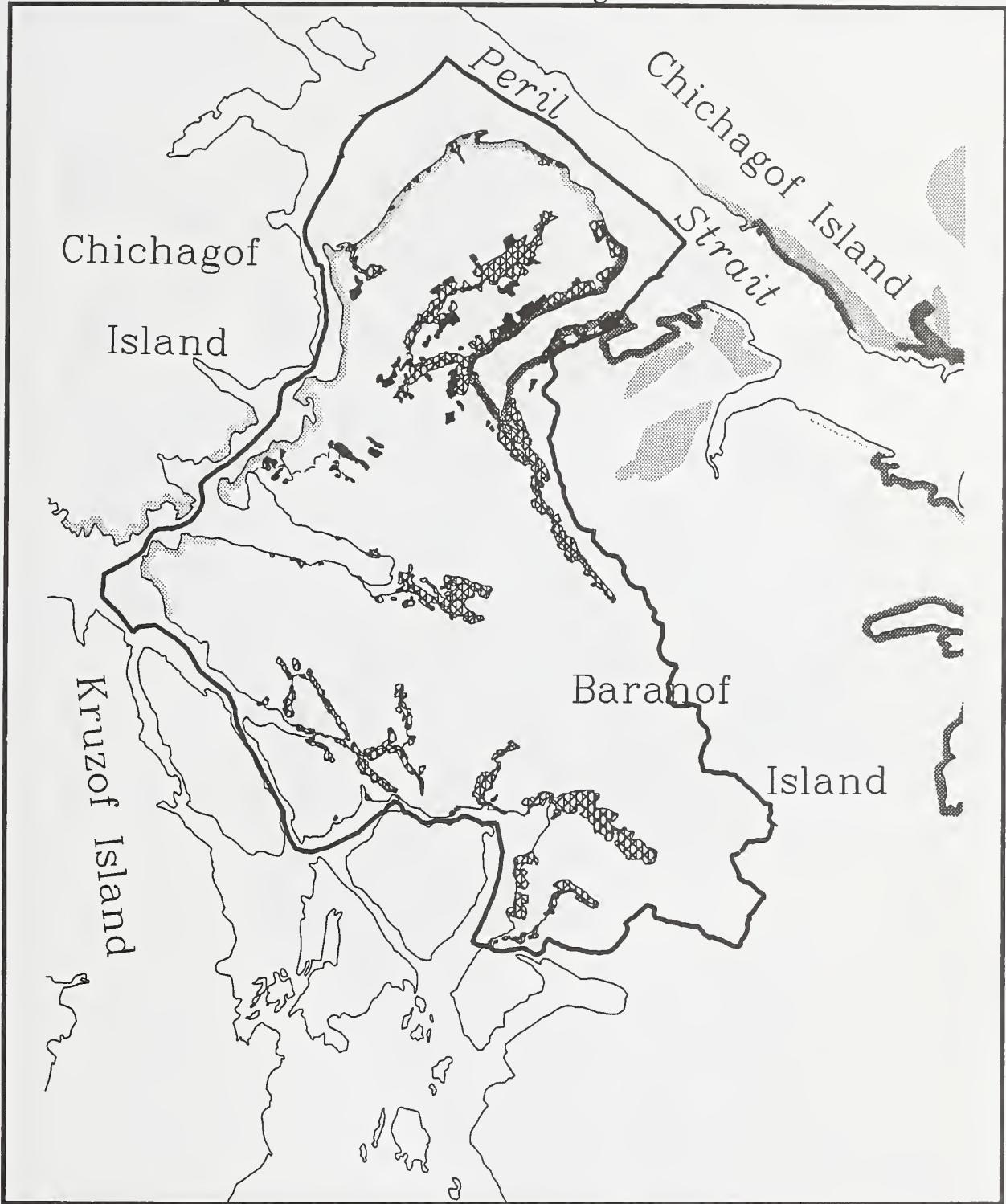
-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts

Flight Date April 20, 1996












Angoon Subsistence Deer Hunting Areas Alt - 3

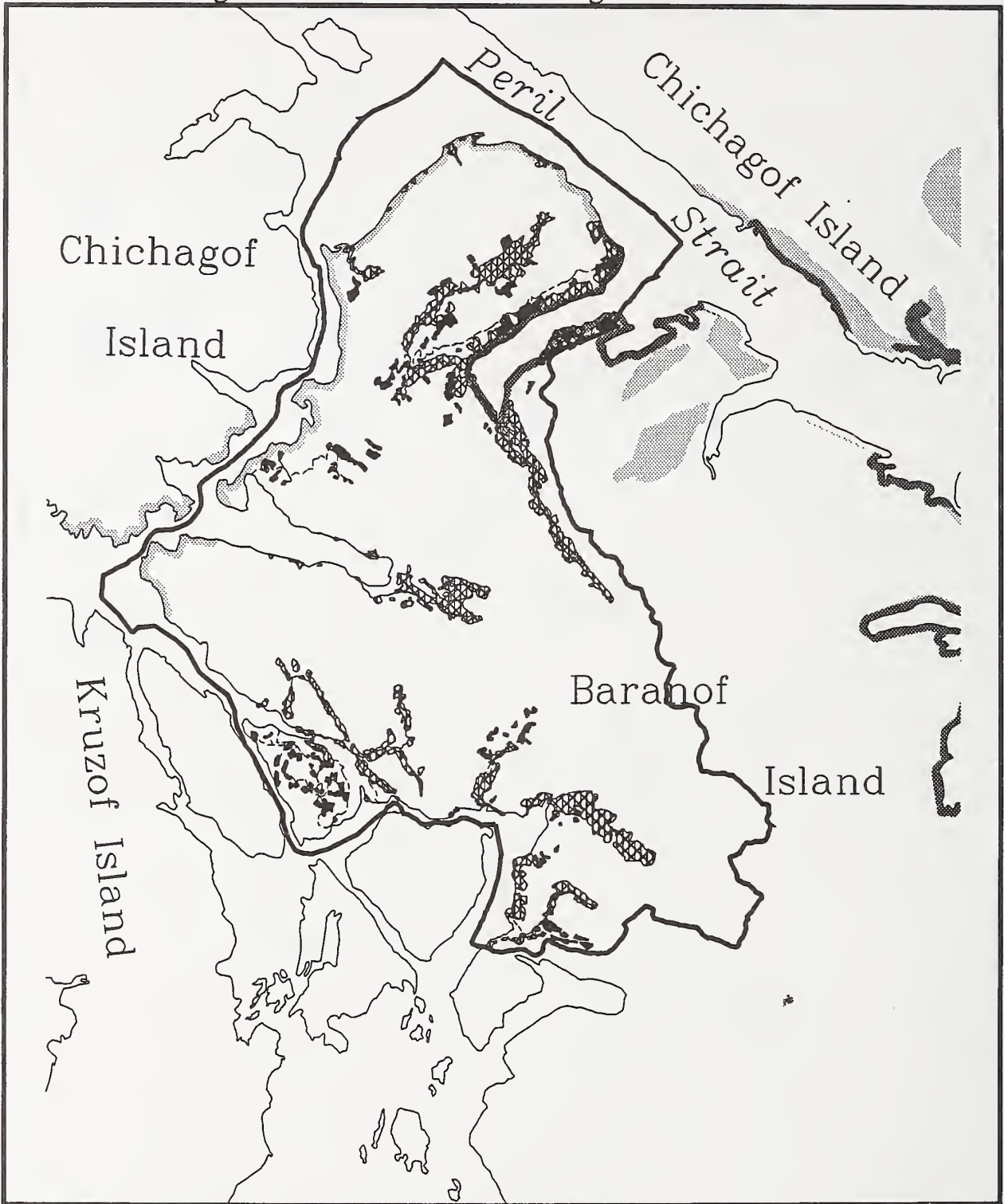









Plotting Date April 20, 1996

-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts



Angoon Subsistence Deer Hunting Areas Alt - 4

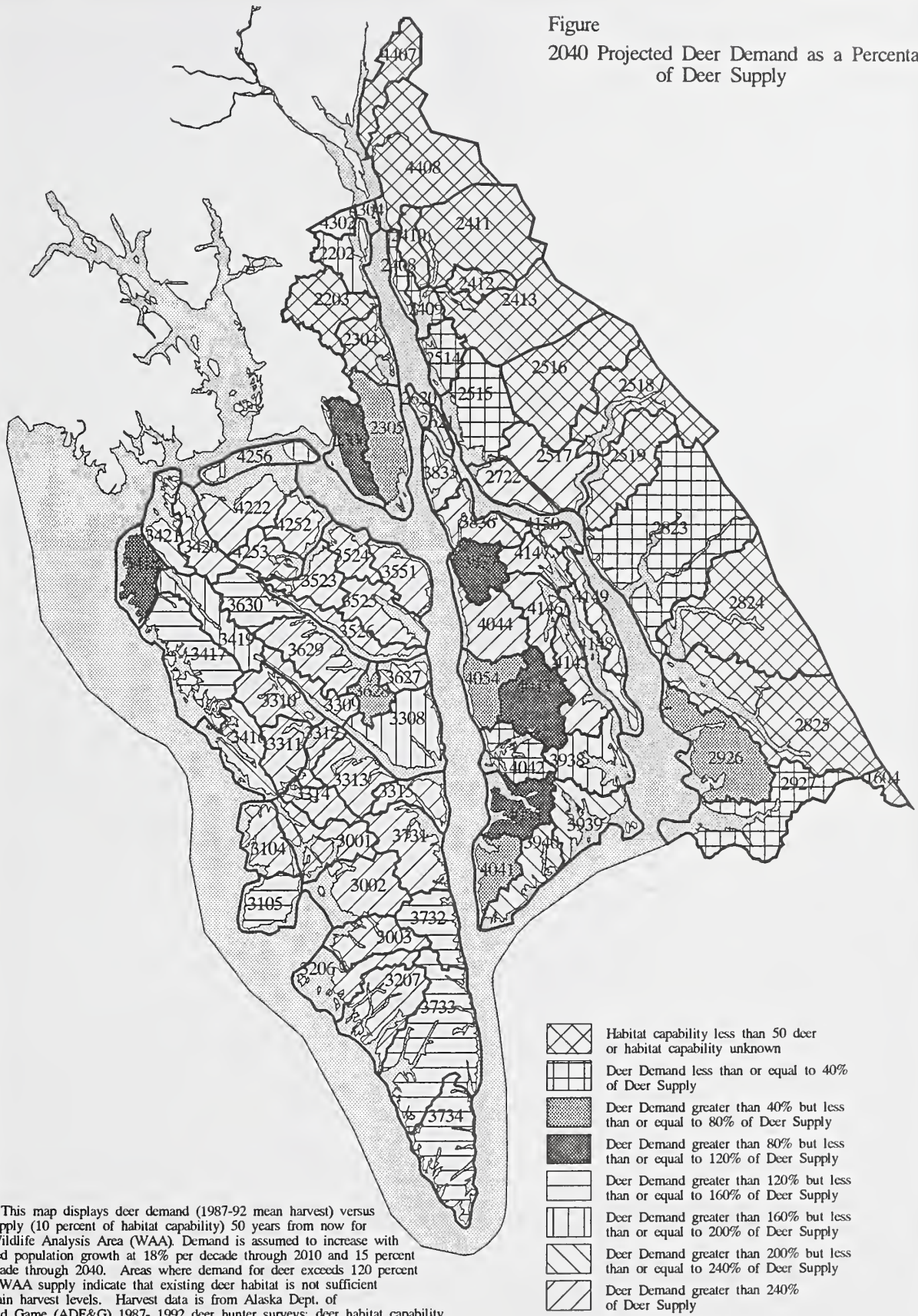










-  1 to 5 Percent of households
-  6 to 15 Percent of households
-  Project Boundary
-  Existing Roads
-  Proposed Roads
-  Existing Cuts
-  Proposed Cuts

Plotting Date April 20, 1996

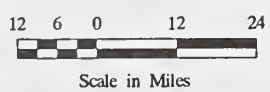


Figure  
2040 Projected Deer Demand as a Percentage  
of Deer Supply



-  Habitat capacity less than 50 deer or habitat capacity unknown
-  Deer Demand less than or equal to 40% of Deer Supply
-  Deer Demand greater than 40% but less than or equal to 80% of Deer Supply
-  Deer Demand greater than 80% but less than or equal to 120% of Deer Supply
-  Deer Demand greater than 120% but less than or equal to 160% of Deer Supply
-  Deer Demand greater than 160% but less than or equal to 200% of Deer Supply
-  Deer Demand greater than 200% but less than or equal to 240% of Deer Supply
-  Deer Demand greater than 240% of Deer Supply

Note: This map displays deer demand (1987-92 mean harvest) versus deer supply (10 percent of habitat capability) 50 years from now for each Wildlife Analysis Area (WAA). Demand is assumed to increase with projected population growth at 18% per decade through 2010 and 15 percent per decade through 2040. Areas where demand for deer exceeds 120 percent of the WAA supply indicate that existing deer habitat is not sufficient to sustain harvest levels. Harvest data is from Alaska Dept. of Fish and Game (ADF&G) 1987- 1992 deer hunter surveys; deer habitat capability estimates are from the Tongass Land Management Plan Revision (TLMPR, 1991). Source: ADF&G Div. of Subsistence, Tongass National Forest, Chatham Area GIS.





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