

TONGASS NATIONAL FOREST

LAND MANAGEMENT PLAN
ALASKA REGION
USDA FOREST SERVICE

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Tongass Land Management Plan

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i. Preface

In 1979, the Tongass Land Management Plan was the action discussed in its accompanying Record of Decision and Final Environmental Impact Statement (FEIS). Decisions for all resources and geographic areas of the Forest were made through the planning process that resulted in the FEIS and Plan. The four Land Use Designations developed in the Plan (see pages 7-12) have become reference points for the public and the Forest Service and are used as guides for the types of management activities people expect to see in the 141 management areas on the Forest.

Included in the Land Management Plan published in 1979 were schedules of the proposed activities that might be implemented in each of the Management Areas during the three time periods addressed in the Plan. Since the Plan was finalized a number of things have happened. These include the passage of the Alaska National Interest Lands Conservation Act (ANILCA) in 1980, the passage of six annual budgets, the completion of various NEPA documents, and the reestablishment of Ranger Districts. These changes make the updating of the Management Activity Schedules and other aspects of the Plan appropriate. This document is a complete reprinting of the Plan. Portions of the Plan are unchanged from 1979, but by reprinting the entire document the reader will not be required to look at several documents to determine the contents of the Plan. This Plan, which supercedes the original Plan, contains the amended schedules of management activities and other technical amendments discussed in the accompanying Environmental Assessment (Alaska Region Admin. Doc. 148).

I. Introduction

This Forest Land Management Plan is an amended version of the action discussed in the Record of Decision and the Final Environmental Impact Statement (FEIS) which were completed in March, 1979. The decision reached through the original planning process remains the allocation of the various areas of the Tongass National Forest to each of the four Land Use Designations (LUD). The Plan defines where LUD related land use opportunities are available to Forest users during the life of the Plan (1980-1989). It serves to provide land management direction for the Tongass during this period and facilitates an orderly use of the many amenity and commodity values that the Forest contains. Plan goals, anticipated management outputs, management area emphasis descriptions and schedules of proposed management activities are included among the Plan contents.

This Plan is based on the various considerations which have been addressed in the FEIS. The planning process and the analysis procedures used in developing this Plan, as well as the other alternatives considered, are described or referenced in the FEIS. The amendments which have been made to the original Plan are based on the findings and recommendations of the 1984 TLMP Evaluation Report (Alaska Region Admin. Doc. 139, Nov. 1984). How the Plan has been amended is described in the Environmental Assessment (Alaska Region Admin Doc. 148, Winter, 1985-86) that is associated with the amendment effort.

The Tongass National Forest is comprised of three separate Administrative Areas--Chatham, Stikine, and Ketchikan. Each is under the direction of a Forest Supervisor. The three administrative areas are further divided into eight Ranger Districts and two National Monuments - each under the direction of a District Ranger or a Monument Manager.

A total of 141 Management Areas have been established by this Plan (see TLMP map) and are related to the Ranger Districts and National Monuments as is indicated in the Table of Contents and Section III. E.. Each of the Management Areas consists of one or more of the 867 Value Comparison Units (VCUs) the entire Forest was divided into for planning purposes. The VCUs are watersheds or small islands which averaged about 17,500 acres in size.

II. Relationship to Other Planning Levels

Forest Service development and implementation of Forest Plans occurs within the framework of Forest Service regional and national planning. The Resources Planning Act (RPA) Program sets the national direction and output levels for National Forest System lands, based on suitability and capability information for each Forest Service region. Each region disaggregates its share of the national production levels to its Forests. This disaggregation is based on the information gathered at the Forest level.

This Plan provided much of the information necessary to develop and evaluate the five 1980 RPA alternative programs for Alaska. The output targets assigned to the five RPA alternatives can each be met within the allocation and management emphasis stated in this plan.

Each Forest Plan validates or provides a basis for changing the production levels assigned by the Region. Activities are planned and implemented by the Forest to carry out the direction developed in the Forest Plan.

Activities and projects will be planned and implemented to carry out the direction in this Plan. Necessary environmental documents for actions implemented under this Plan will be tiered to the EIS for this Plan as provided for in 40 CFR 1502.20.

III. Management Direction

Forest management direction consists of the following goals, anticipated outputs, land allocations, Forest-wide standards and guidelines and the direction for the 141 management areas.

- A. Plan Goals. Goals are statements describing desired conditions to be achieved through implementation of a Plan. The goals of this Plan are as follows:

Wilderness. The goal is to manage approximately 35-percent of the Forest as Wilderness including several large, nationally recognized areas, as well as a number of smaller areas representing the different landscape character types of southeast Alaska.

Timber. The goal is to make enough timber available from National Forest lands to maintain current levels ^{1/} of timber-related employment within the context of the total timber available from other land ownerships.

Recreation. The goal is to provide a broad spectrum of recreation opportunities with emphasis on maintaining natural areas with the highest wildlife, sport fish, and dispersed recreation assets. ^{2/}

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- ^{1/} As originally established in this Plan, current levels of employment are based on average timber industry conditions that were prevalent during the 1970 to 1976 period. The legislative history of the Alaska National Interest Lands Act of 1980 (ANILCA) indicates the Congressional decisions relating to the supply of timber from the Tongass National Forest related to the employment generated from timber harvested on the National Forest.
- ^{2/} The Recreation and the Tourism goals are intended to provide appropriate recreation opportunities for both resident and non-resident recreation publics. The improvement of recreation facilities to accommodate increasing tourism would also be oriented to satisfy local recreation needs, for example.

Tourism. The goal is to improve recreation facilities and attractions near communities for the use of visitors to southeast Alaska, by managing these areas with a high degree of protection for their natural attractive features while developing access and required recreation facilities.

Visual. The goal is to maintain the scenic qualities of the most highly viewed landscapes on the Forest by managing many of these areas in ways which would not modify them significantly. In those areas where management activity will take place, projects will be designed to be compatible with the natural elements of the visual resource.

Fish. The goal is to maintain and enhance the natural fisheries resources by managing some of the highest quality watersheds in ways which would not modify them significantly. In those where major management activities will take place, adequate protection of the aquatic environment will be provided. In addition, it is the intent to take advantage of as many identified fisheries enhancement opportunities as possible.

Wildlife. The goal is to maintain and enhance the natural productivity of the Forest's wildlife habitat by managing many of the highest quality areas in ways which would not significantly modify them. In those areas where major modifications will occur, those changes will be designed to have the least adverse effects possible on wildlife.

Hydroelectric Power. The goal is to facilitate the development of hydroelectric power sites with identified high development potential by managing those sites, and their attendant transmission corridors, in ways which will allow development of these facilities with due consideration of the other various resources.

Road Corridors. The goal is to insure that as many as possible of the potential road corridors identified by the Southeast Alaska Multimodal Transportation Study ^{3/} be managed to allow their development with due consideration of the various resources.

Minerals. The goal is to facilitate the orderly development of mineral resources in accordance with current regulations and applicable laws.

^{3/} An on-going study by the Alaska Department of Transportation during the 1976-1979 TLMP planning period.

Plan Outlook

In coordination with other resource management needs, this Plan provides a strong representation of the varying wildland characteristics of southeast Alaska in the National Wilderness Preservation System. About a third of the Forest, including most of the Admiralty Island and Misty Fiords National Monuments is now Wilderness as a result of the Alaska National Interest Lands Conservation Act of 1980. If more of the timber that was defined as marginal when the Plan was completed can be harvested, timber-related employment opportunities can generally be maintained. Increasing reliance on the fishing industry and tourism for additional employment opportunities is likely. Other direction provides for fishery, wildlife and recreation values in the areas not recommended for wilderness. More than half of the Forest will remain in a basically unmodified state over time if the current land use designations remain the same.

B. Anticipated Outputs. Some of the anticipated outputs of managing the Forest under this Plan are presented in the following tables. The output ranges cited for the Forest and for each of its three administrative areas are based on anticipated use demands and sustainable resource yield limits of the land.

Table 1. Anticipated Management Outputs from the Tongass National Forest

National Forest System Acres: 16,706,894 ^{a/} / Number of Management Areas: 141

MIH Code ^{b/}	Output	Units of Measure ^{c/}	Average Annual Output Ranges	
			Low	High
W01-06	Dispersed Recreation Use	M RVD ^{d/}	282.0	705.0
W07-10	Developed Recreation Use	M RVD	2,049.0	4,910.0
W33	Wilderness Use	M RVD	150.6	170.8
W54	Fish Habitat Improvement-Anadromous	M LBS	263.0	1,516.0
X12,14,20	Timber Volume Sold/Released	MBF ^{e/}	300,000.0	450,000.0
Y02	Minerals - Common Variety	M TONS	196,064.0	210,400.0

- ^{a/} Exclusive of acres to be conveyed to the State of Alaska or to Native Corporations. The Forest currently contains 16,815,703 acres.
- ^{b/} Forest Service Management Information Handbook (MIH) codes for associated outputs.
- ^{c/} Measure expressed in thousands of: Recreation Visitor Days; pounds; board feet; and tons.
- ^{d/} Recreation Visitor Day; one RVD equals 12 hours.
- ^{e/} Board foot: the amount of wood contained in an unfinished board one inch thick, 12 inches long, and 12 inches wide. Also measured in cubic foot terms.

Table 2: Anticipated Management Outputs from the Chatham Area

National Forest System Acres: 8,002,662 ^{f/} Number of Management Areas: 61

MIH Code	Output	Units of Measure	Average Annual Output Ranges	
			Low	High
W01-06	Dispersed Recreation Use	M RVD	174.0	435.0
W07-10	Developed Recreation Use	M RVD	1,024.5	2,455.1
W-33	Wilderness Use	M RVD	75.3	85.4
W54	Fish Habitat Improvement-Anadromous	M LBS	93.0	536.0
X12,14,20	Timber Volume Sold/Released	MBF	70,000.0	120,600.0 ^{g/}
Y02	Minerals - Common Variety	M Tons	55,000.0	60,000.0

^{f/} Exclusive of acreage that is to be conveyed to the State of Alaska and/or Native corporations.

^{g/} Changed from 114,400 MBF calculated in March, 1980 on basis of land status changes and other factors through ASQ verification process (see Appendices B and C).

Table 3: Anticipated Management Outputs from the Stikine Area

National Forest System Acres: 3,591,334 ^{h/} Number of Management Areas: 35

MIH Code	Output	Units of Measure	Average Annual Output Ranges	
			Low	High
W01-06	Dispersed Recreation Use	M RVD	48.0	120.0
W07-10	Developed Recreation Use	M RVD	409.8	982.0
W-33	Wilderness Use	M RVD	30.1	34.2
W54	Fish Habitat Improvement-Anadromous	M LBS	74.0	427.0
X12,14,20	Timber Volume Sold/Released	MBF	35,000.0	109,100.0 ^{i/}
Y02	Minerals - Common Variety	M Tons	86,064.0	90,400.0

^{h/} Exclusive of acreage that is to be conveyed to the State of Alaska and/or Native corporations.

^{i/} Changed from 108,600 MBF calculated in March, 1980 on basis of land status changes and other factors through ASQ verification process (see Appendices B and C).

Table 4: Anticipated Management Outputs from the Ketchikan Area

National Forest System Acres: 5,112,898 ^{j/} Number of Management Areas: 45

MIH Code	Output	Units of Measure	Average Annual Output Ranges	
			Low	High
W01-06	Dispersed Recreation Use	M RVD	60.0	150.0
W07-10	Developed Recreation Use	M RVD	614.7	1,473.1
W-33	Wilderness Use	M RVD	45.2	51.2
W54	Fish Habitat Improvement-Anadromous	M LBS	96.0	553.0
X12,14,20	Timber Volume Sold/Released	MBF	195,000.0	220,300.0 ^{k/}
Y02	Minerals - Common Variety	M Tons	55,000.0	50,000.0

^{j/} Exclusive of acreage that is to be conveyed to the State of Alaska and/or Native corporations.

^{k/} Changed from 227,200 MBF calculated in March, 1980 on basis of land status changes and other factors through ASQ verification process (see Appendices B and C).

These four tables provide information about the outputs that were anticipated on an average annual basis over the 10-year life of this Plan. The outputs are a quantified way of saying what can be attained. Outputs are expressed in ranges since this convention was used in developing the 1980 Resources Planning Act (RPA) Program. Expressing outputs in ranges rather than expressing them as fixed quantities also anticipates that demands for such outputs and budget allocations to manage for them could vary considerably over the life this Plan. For example, while it is possible to prepare and offer for sale and release an average of 450 MMBF per year for each year this Plan remains in effect, such outputs can only be attained through timber industry willingness to purchase/accept prepared timber volumes. The possibility of unfavorable market conditions during the life of this Plan was anticipated by the 300-450 MMBF average annual output range.

Table 1 presents the aggregate or total outputs anticipated under this Plan for the Forest as a whole. Tables 2 through 4 show how the total outputs are disaggregated to each of the three Administrative Areas of the Tongass. Actual annual output targets for each Administrative Area are to be set in relation to these average output ranges as a part of the annual budgeting process. The number of Management Areas in each administrative area and the Forest as a whole is also presented in each of the Tables. Each of these Management Areas includes one or more of the 867 VCUs.

C. Land Allocation to Land Use Designations I-IV. Each of the 867 VCUs that contained National Forest land ^{4/} was allocated to one of four Land Use Designations (LUDs) in this Plan to permit attainment of the goals and anticipated outputs. A description how of the VCU's were allocated and the many factors that were considered in doing so is contained in the TLMP FEIS. The allocated VCUs are to be managed in a manner that will conform to the following LUD-related purposes and management implications:

1. Purposes and Management Implications of each LUD

a. Land Use Designation I (Wilderness)

(1) Purpose: The original purpose of this designation was to recommend areas for inclusion in the National Wilderness Preservation System. Areas designated by the Congress in 1980 under ANILCA as Wilderness will be managed as directed by the 1964 Wilderness Act, as amended.

(2) Management Implications: ^{5/}

Hunting, fishing and trapping are permitted, subject to State Fish and Game regulations.

These areas were closed to mineral entry on December 31, 1983. Claims with valid existing rights may be accessed and developed.

Scientific studies designed to enhance the wilderness resource may be conducted.

Commercial timber harvesting is not permitted. Beach log salvage, emergency cutting of trolling poles, and subsistence use of timber, where other sources are not available is permitted.

A limited number of new cabins and shelters may be built where necessary to protect the public health and safety.

Public use of snowmachines, motorboats, and airplanes is permitted; however, restrictions may be imposed on a case-by-case basis if such use becomes excessive.

Fish habitat enhancement activities are generally permitted. Wildlife habitat manipulation designed to enhance the wilderness resource may be permitted.

^{4/} Several VCUs were selected in their entirety by Regional or Village corporations under the land entitlements provided for by the Alaska Native Claims Settlement Act (ANCSA), and therefore were not allocated to LUDs. The LUD's also do not apply to any non-National Forest land located within allocated VCU's.

^{5/} See Forest Service Manual (FSM) 2320, Alaska Region Supplement #34 and completed Wilderness management plans for more detailed management implications.

New roads are not permitted, except to access valid mining claims.

New water projects can only be authorized by the President.

Access to private, State and Native lands is provided for structures and facilities under special use permit may continue to be maintained. These include the electronic sites listed in Appendix E.

Commercial Outfitter and Guide operations which are compatible with wilderness values may be permitted.

(3) LUD I Variations:

(a) Areas Released from Wilderness Recommendation (LUD I)

These areas were considered by Congress for Wilderness designation during the development of ANILCA. The Congress decided not to include these lands in the National Wilderness Preservation System, thus directing their release from LUD I status. The allocation of these areas to Land Use Designations will be determined through the land management planning process when this Plan is revised. In the interim, these areas will be managed to permit their consideration for the full range of LUDs (including LUD I).

(b) Non-wilderness National Monument Lands

These lands, although not subject to provisions and requirements of the National Wilderness Preservation System, will be managed to protect objects of ecological, cultural, geological, historical, prehistorical, and scientific interest. Harvesting of timber for commercial purposes is not permitted except as necessary to allow for development of the minerals resource. ANILCA has recognized the mineral development and, although withdrawn from further mineral entry, makes provisions for continued prospecting on lands within 3/4 mile of valid mining claims established by December 2, 1985..

b. Land Use Designation II

(1) Purpose: Areas allocated to LUD II are to be managed in a roadless state to retain their wildland character, but this would permit wildlife and fish habitat improvement and primitive recreational facility development.

(2) Management Implications:

Commercial timber harvesting is not permitted. Timber can be salvaged only to prevent significant damage to other resources. Examples are removal of windfall in an important fish stream or control of an epidemic insect infestation.

Personal use of wood is allowed for cabin logs, firewood, float logs, trolling poles, and other similar uses.

Water and power developments are permitted if they can be designed to retain the overall primitive characteristics of the allocated area.

Roads will not be built except to serve authorized activities such as mining, power and water developments, aquaculture developments, transportation needs determined by the State of Alaska, and vital Forest transportation system linkages.

Mineral development is subject to existing laws and regulations.

Use of snowmachines, motorboats and airplanes on freshwater is permitted; however, restrictions may be imposed on a case-by-case basis if such use becomes excessive.

Permanent improvements such as fishways, fish hatcheries, or aquaculture sites may be built. Appropriate landscape management techniques will be applied in the design and construction of such improvements to minimize impacts on recreation resources.

Major concentrated recreational facilities will generally be excluded.

c. Land Use Designation III

(1) Purpose: Areas allocated to LUD III are to be managed for a variety of uses. The emphasis is on managing for both amenity and commodity oriented uses in a compatible manner to provide the greatest combination of benefits. These areas usually have high amenity values in conjunction with high commodity values. Allowances in calculated potential timber yield have been made to meet multiple-use coordination objectives.

6/ Vital Forest transportation system linkages refer to necessary additions to the permanent road network. Such linkages may be built through LUD II areas when either no other feasible land or water routes exist to access adjacent LUD III or IV areas or when it can be demonstrated that the routing through the LUD II area is clearly environmentally preferable and site-specific mitigation measures can be designed to minimize the impact of the road on the surrounding LUD II area. A clear need to build such linkages must be demonstrated through a comparative analysis of transportation alternatives during the NEPA process and must be approved by the Forest Supervisor, in consultation with the other Tongass Forest Supervisors.

7/ These allowances refer to the effect of using the Retention Factors Method described in Appendix A of the 1984 TLMP Evaluation Report (Admin. Doc. 139, Alaska Region).

(2) Management Implications:

Potential timber yields will be reduced to the extent needed to protect important biological and aesthetic values.

Both permanent and temporary roads are allowed.

Roads are located and designed to retain important recreational and scenic qualities.

Mineral development is subject to existing laws and regulations.

Needed trails can be provided.

A full range of recreational facilities is permissible.

A full range of fisheries improvements projects is permitted.

(3) LUD III Special

(a) Areas to be Managed with a LUD III Emphasis but excluded from Calculation of Timber Yield.

The purpose of this variation is to minimize impacts on visual and recreation resources in areas directly adjacent to communities. It is similar to LUD III except that any timber management activities (e.g. fire wood sales, free use for house logs, etc.) will be compatible with local recreation and visual resource uses. The timber sold does not contribute to attainment of the Plan's allowable sale quantity. These areas are identified by diagonal crosshatching on the TLMP map (enclosed).

d. Land Use Designation IV

(1) Purpose: Areas allocated to LUD IV provide opportunities for intensive development of resources. Emphasis is primarily on commodity, or market resources and their use. Amenity values are also provided for. When conflicts over competing resource uses arise, conflicts would most often be resolved in favor of commodity values. Allowances in calculated potential timber yield have been made to provide for protection of physical and biological productivity.

(2) Management Implications:

Timber will be harvested primarily by clearcutting.

Potential timber yields will be reduced only to the extent necessary to protect key biological and aesthetic values.

8/ These allowances refer to the effect of using the Retention Factors Method described in Appendix A of the 1984 TLMP Evaluation Report (Admin. Doc. 139, Alaska Region).

Mineral development is subject to existing laws and regulations.

Permanent or temporary roads may be built.

Motorized use is permitted.

A full range of recreation facilities is permitted.

A full range of fisheries improvement projects is permitted.

Needed trails will be provided.

e. LUD Related Management Activities

The Management Activity Reference Key in Appendix A lists the management activities that are permissible under each LUD. This list is used as a guide for limiting the kinds of activities that can be scheduled in each of the 141 Management Areas (see Section III. E.). The Management Information Handbook (FSH 1309.11) must be referred to for activity definitions and to understand the complete set of activities describing Forest Service operations. Use of the MIH activities and codes in this Plan is intended to facilitate Plan implementation through the annual Forest Service budgeting process.

(2) Land Allocations Summary.

The acreage for the Tongass National Forest presented in Table 5, TLMP Land Allocation Summary, is 16,706,895 acres, excluding census water and land in other ownership. Of this total, 36 percent is allocated to LUD I, 16 percent to LUD II, 17 percent to LUD III, 25 percent to LUD IV, and 7 percent remains unallocated. LUD I acres include acres allocated to Wilderness (32% of Tongass), non-wilderness National Monument (1%), and those released from wilderness recommendation by ANILCA (3%). LUD III acres include areas allocated LUD III-Special (1% of the Tongass) and LUD III (16%). These allocations are presented in more detail in Table 5 below, which displays the acres allocated to each LUD and the related percentages, the acres of commercial forest land (CFL) within each LUD, and acres of CFL scheduled for harvest over the rotation. Refer to the TLMP map for a display of how the 867 Value Comparison Units (VCUs) were allocated. Table 5 supercedes the Allocation Summary that is presented on the TLMP map (enclosed).

It should be noted that while the official net acreage for the Tongass National Forest is 16,815,700 acres, this differs somewhat from the 16,706,895 total displayed in Table 5. The official total includes acres that have either not yet been conveyed to the State (43,707 acres) or selected by the Native Corporations and not conveyed (85,234 acres). The totals expressed in Table 5 do not include these acres. The net difference in the totals is 20,136 acres (approximately one tenth of one percent of the new Forest acreage) and is probably due to variable interpretations of where the mean high tide line is that differentiates National Forest and State lands. For a more detailed discussion of Tongass National Forest land status changes that have taken place since TLMP, refer to Appendix B.

TABLE 5--TLMP LAND ALLOCATION SUMMARY a/

Administrative Area	LUD I			Released	LUD II	LUD III Special	LUD III	LUD IV	Unallocated Forest Additions
	* Wilderness	* Non-Wilderness National Monument	* Released						
<u>Chatham Area</u>	*	*	*	*	*	*	*	*	*
Total Acres	*2,592,600 b/	17,200	22,900	* 1,759,500	* 103,700	* 1,502,100	* 1,045,100	959,600	
(% of Area) c/	(32%)	---	---	(22%)	(1%)	(19%)	(13%)	(12%)	
(8,002,700 ac)	*	*	*	*	*	*	*	*	
Total CFL Included	* 815,000	* 14,100	* 500	* 218,300	* 53,000	* 494,700	* 471,000	*	
Acres Scheduled Over Rotation	* 0	* 0	* 0	* 0	* 0	* 236,100	* 264,100	0	
<u>Stikine Area</u>	*	*	*	*	*	*	*	*	
Total Acres	* 550,200	0	d/ 348,600	* 528,400	* 9,100	* 594,300	* 1,397,400	163,300	
(% of Area) c/	(15%)	---	(10%)	(15%)	---	(17%)	(39%)	(5%)	
(3,591,300 ac)	*	*	*	*	*	*	*	*	
Total CFL Included	* 132,100	* 0	* 59,800	* 137,300	* 4,900	* 321,800	* 656,200	*	
Acres Scheduled Over Rotation	* 0	* 0	* 0	* 0	* 0	* 138,700	* 338,700	0	
<u>Ketchikan Area</u>	*	*	*	*	*	*	*	*	
Total Acres	*2,232,800	153,000	54,900	* 354,700	* 50,500	* 517,400	* 1,749,600	0	
(% of Area) c/	(44%)	(3%)	(1%)	(7%)	(1%)	(10%)	(34%)		
(5,112,900 ac)	*	*	*	*	*	*	*	*	
Total CFL Included	* 655,800	* 43,200	* 34,700	* 139,300	* 30,100	* 337,500	* 1,116,800	0	
Acres Scheduled Over Rotation	* 0	* 0	* 0	* 0	* 0	* 155,800	* 616,200	0	
<u>Tongass-wide</u>	*	*	*	*	*	*	*	*	
Total Acres	*5,375,600	170,200	426,400	* 2,642,700	* 163,200	* 2,613,900	* 4,192,000	1,122,900	
(% of Area) c/	(32%)	(1%)	(3%)	(16%)	(1%)	(16%)	(25%)	(7%)	
(16,706,900 ac)	*	*	*	*	*	*	*	*	
Total CFL Included	*1,602,900	* 57,300	* 95,100	* 494,900	* 88,000	* 1,154,000	* 2,244,000	*	
Acres Scheduled Over Rotation	* 0	* 0	* 0	* 0	* 0	* 530,700	* 1,219,000	0	

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a/ The acres included in this table do not include the yet to be conveyed acres described above. These acreages were derived from the TLMP database and do not replace the official acres as reported previously in other documents. Refer to Appendix B for a more complete discussion of land status changes. All acreages are rounded to nearest hundred.

b/ While Final Wilderness boundaries have not varied, it should be noted that the acreage totals represented above differ slightly from the official totals previously reported. Acreages reported in this table are derived from the current TLMP database and are not considered official.

c/ All rounding to the nearest percentage. Totals may not sum to 100%.

d/ These acres include additions to VCU 481, among others, to correct acreage measurement errors made during the development of the original database for this Plan.

The allocations to LUD I were intended to satisfy the goal for Wilderness and originally encompassed 17 areas, including Admiralty Island and Misty Fiords National Monuments, that were recommended for Wilderness designation in the RARE II final EIS. Fourteen areas were included in the National Wilderness Preservation System by ANILCA. These areas include the majority of the Admiralty Island and Misty Fiords National Monuments. The acreage of the areas not designated Wilderness is presented in the Non-Wilderness National Monument and LUD I released columns of Table 5.

Approximately one-third of the Tongass National Forest, or about 5,736,200 acres, is considered commercial forest land (CFL). Of the total CFL, 3,397,900 acres (59.2%) are allocated to LUDs III and IV. Of the LUD III and IV CFL, 1,749,700 acres (51.5% of the LUD III and IV CFL) are scheduled for harvest over the rotation. This equates to scheduling 30.5% of the total CFL on the Tongass National Forest for harvest over the rotation. The scheduled LUD III and IV CFL contain sufficient operable CFL to sustain an average annual harvest of 450 MMBF when supplemented by added annual investments to offset the economic marginality of some of the acres.

Several of the LUD III VCUs (see LUD III Special column in Table 5) located near communities were excluded from the land base used for calculating the 450 MMBF average annual allowable sale quantity. This was done for community-related recreation and aesthetic considerations. LUD III (Special) VCUs were generally not allocated to LUD II since they were already roaded or otherwise developed. These VCUs are cross-hatched on the TLMP map. Elsewhere, LUD III allocations were based on a consideration of known human use patterns and important biological and physical resources that could be affected by timber harvesting.

The acres allocated to LUD II included a number of VCUs recommended throughout the planning process to protect key fisheries, wildlife, recreation, and other resources. Many of the VCUs were consistently allocated to LUD II during the planning process because they either lacked operable CFL and were unsuitable for allocation to LUDs III or IV (as noted in Appendix A of the original TLMP final EIS) or they were not desired for inclusion as Wilderness due to a lack of public support.

E. Management Area Direction

1. Introduction

The Tongass is divided into 141 Management Areas (MAs) ranging in size from a few thousand acres to over two million acres (see TLMP map). The Management Areas (MAs) are to provide more localized management direction and to facilitate Plan implementation.

As is illustrated in Figure 2: Management Area Direction Example, the management area direction typically includes:

- a) A brief Management Area Summary, including its number and name; the Value Comparison Units it contains and the LUDs they have been allocated to; and acreages associated with selected forest land characteristics (these acreages are the same as shown in the original Plan);
- b) a Management Direction/Emphasis statement that provides information about conditions and intents that should be considered in undertaking management activities in the Management Area; and
- c) the Management Activities Scheduled for implementation in the second 5 years of TLMP (1985-89) or a future time period spanning the following three decades (1990-2019), along with any pertinent remarks, such as the VCUs for which the management activities are proposed, (optional).
- d) Standards and Guidelines for implementing the scheduled management activities of each Management Area. These are included by reference to applicable NEPA documents resulting from Plan implementation planning activities.

Management Activity Definitions

The following management activity titles (underlined and abbreviated) are used in the Activity Schedules associated with each Management Area. The definitions are intended to familiarize the reader with the general nature of each of the activities. Additional information about the purposes of the scheduled activities is presented under the Remarks column of the Schedules.

A considerable minerals-related workload is accomplished by the Forest Service each year in response to the activities of the minerals industry. Minerals management activities are not included in the Schedules, however, since the need for doing them is primarily out-service generated.

The codes shown in parentheses refer to associated management activities contained in the current Forest Service Management Information Handbook (FSH 1309.11a).

Recreation Facility - Construction/reconstruction of recreation facilities such as cabins, docks, boat mooring buoys, visitor parking facilities, campgrounds, and visitor centers. (A05,A06)

Trail Const. - (Trail Construction/Reconstruction)
Construction/reconstruction of recreation trails, including right-of-way acquisition. (A10,A11,J18)

Fig. 2: Management Area Direction Example

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C27
 MANAGEMENT AREA NAME MUD BAY
 VCUS 191.0 192.0 193.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	12,285
HIGH VISUAL SENSITIVITY	6,276	6,276
MEDIUM VISUAL SENSITIVITY	1,381	1,381
BEACH FRINGE THROUGH 500 FEET	5,728	3,382
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,461	1,144
TOTAL ACRES	55,522	16,735

MANAGEMENT DIRECTION/EMPHASIS

THIS MANAGEMENT AREA IS INCLUDED IN THE ACTIVE LOGGING AREA FOR THE LONG TERM SALE WITH ALASKA PULP CORPORATION (APC). VCU'S 192 AND 193 ARE IN THE APC 86-90 STUDY AREA. SPECIAL PRESCRIPTIONS WILL BE WRITTEN TO PROTECT THE FISH STREAMS, OTTER LAKE, AND MUD FLAT AREA. IT WOULD BE POSSIBLE TO ACCESS THE FLATS FROM THE EXISTING NEKA ROAD SYSTEM AND TO CONSTRUCT A PUBLIC RECREATION CABIN WHICH COULD BE USED FOR BIRD VIEWING AND HUNTING. FISHERIES HABITAT ENHANCEMENT WILL TAKE PLACE IN MUD RIVER. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVEST, RELATED ACCESS ROAD CONSTRUCTION, AND FISHERIES ENHANCEMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY TRAIL CONST.	Y	Y	VCU 193-Cabin Near Mud Flats VCU 193-Trail to Mud Flats from Otter Lake
NONSTR. HABITAT IMP.	Y	Y	VCU 193-Second Growth Mgmt. Debris Reduction
NONSTR. HABITAT IMP.	Y		VCU 193-Mud Bay River (114-23-70) Rearing Cover Enhancement
ROAD CONST.	Y		VCU 193-Pre-road Chicken Creek T.S.
TIMBER SALE PREP.	Y		VCU 192,193-APC 86-90

STANDARDS AND GUIDELINES

See 1976-81 APC Timber Operating Plan

Nonstruc. Habitat Imp. (Nonstructural Habitat Improvement) - Non-structural wildlife projects include activities such as prescribed burning, tree thinning, slash treatment, and creating potholes. Fisheries projects include debris cleanup, migration barrier removal and lake fertilization. (C02)

Struc. Habitat Imp. - (Structural Habitat Improvement) - Structural habitat projects include activities such as construction of fish passes and spawning channels, placement of logs and rocks in streams, etc.. (C03)

Reforestation - Reforestation includes planting of trees, seeding and site preparation by burning of harvested areas. (E04)

Timber Stand Imp. - (Timber Stand Improvement) - Timber Stand Improvement (TSI) refers to the thinning of trees generally less than 20 years old to concentrate wood growth on the remaining trees. It also includes overstory release (usually from alder) and mistletoe control. (E05)

Timber Sale Prep. - (Timber Sale Preparation) - Preparation of timber for sale to independent operators and release to the two companies (LPK and APC) holding long-term timber sale contracts. Includes activities to determine feasibility of timber sale proposals, the preparation of individual timber sale plans and related environmental analyses, sale plan implementation, timber appraisal and offering, and selling (or formally releasing) the prepared timber. Preparation of a particular sale may occur over a period of 1-10 years prior to the actual sale (or release), and harvest may occur within 1-10 years thereafter. The year timber sale preparation is to begin (or when it began), and the year the timber is to be sold (or released) may be shown under the Remarks column. The Value Comparison Units (VCUs) the timber is located in and the expected volumes (in millions of board feet or MMBF) for each sale may also be shown under Remarks. (E06)

Road Const. - (Road Construction/Reconstruction) - Road construction/reconstruction by the Forest Service or timber purchasers. Includes design work, minor and mainline roads, and related bridge construction, terminated transfer facilities, and right-of-way acquisition. (L04,L05,L08,L09,L12,L13,L14,L29,J18,J19)

Bridge Const. - (Bridge Construction/Reconstruction) - Bridge or major culvert construction or reconstruction includes the replacement of major structures on mainline roads which serve communities and the general public. (L18)

Soil Stabilization - Soil stabilization includes the revegetation of bare soil area through seeding of grasses or alders. Drainage channels and soil placement could be required in extreme cases. (F03)

Land Adjustment - Land adjustment includes all the administrative activities required to effect a change in land status, usually in connection with mineral operations or State/Native land exchanges. (J01,J08,J12,J13,J17)

Admin. Facility - (Administrative Facility Construction/Reconstruction) - Administrative facility construction/reconstruction including buildings, sewer and water systems, docks, etc. needed for Forest Service administrative purposes. (L24)

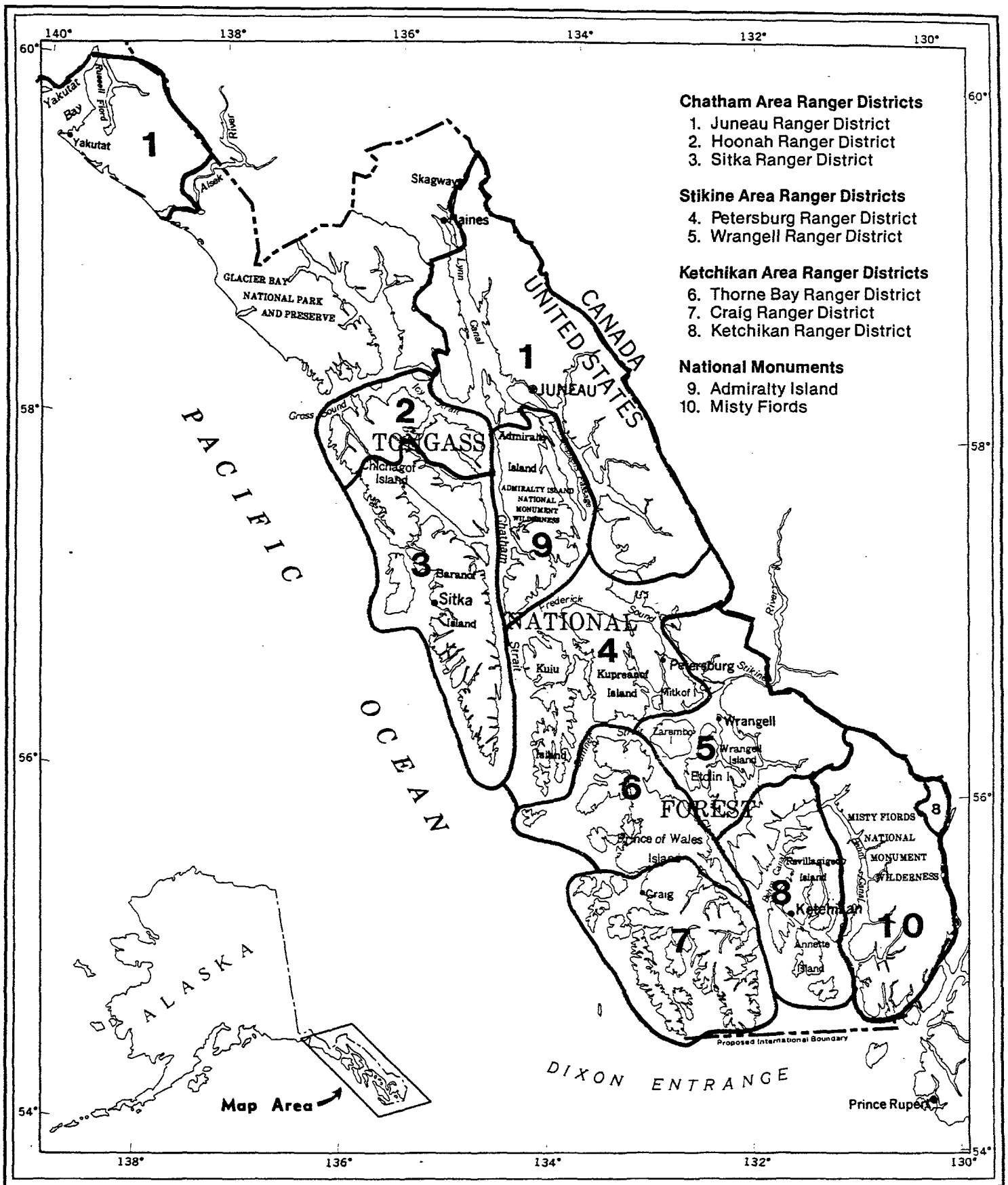
Management Activities Schedules To Be Amended

The Management Area activities schedules and management direction/emphasis statements represent what Tongass managers currently envision for the remainder of the Plan's life (1985-1989) and for the beginning part (i.e., 1990-1994) of the Future planning period. Inclusion in the schedule does not necessarily mean an individual activity will be implemented. Further analysis, future budgets, and future demands and markets for the Forest's goods and services will determine which activities will be implemented.

The amended Forest Plan activities schedules will continue to be amended to reflect on-going changes in the management situation. Currently scheduled activities may have to be dropped and others added in the future as Plan implementation proceeds. The amended schedules will provide important current information about what management activities are being considered for implementation across the Forest, but they should not be regarded as static in nature. An active Plan amendment process is intended to keep the schedules current.

Organization of Management Areas Direction

The management direction for each of the 141 Management Areas has been organized according to the three Tongass NF Administrative Areas, eight Ranger Districts and two National Monuments. The relationship of the Management Areas to the Districts and National Monuments is presented in the Table of Contents. The location of each Management Area is presented on the TLMP map.



**Figure 1: Tongass National Forest
Ranger Districts & Administrative Areas**

CHATHAM AREA

JUNEAU RANGER DISTRICT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C01						
MANAGEMENT AREA NAME	SKAGWAY						
VCUS	1.0	2.0	3.0	4.0	5.0	6.0	7.0
	8.0	9.0	10.0	11.0	18.0	19.0	20.0
LUDS	2						

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,262
HIGH VISUAL SENSITIVITY	10,384	10,317
MEDIUM VISUAL SENSITIVITY	133	67
BEACH FRINGE THROUGH 500 FEET	1,009	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,654	2,264
TOTAL ACRES	261,799	24,221

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE CENTERED AROUND TRAIL AND VISITOR FACILITY IMPROVEMENT AND MAINTENANCE. COORDINATION AND COOPERATION WITH THE NATIONAL PARK SERVICES KLONDIKE HISTORICAL PARK AT SKAGWAY IS PLANNED. PLANNED ACTIVITIES INCLUDE CONTINUED MAINTENANCE OF LAUGHTON GLACIER TRAIL AND RECREATION CABIN. POTENTIAL ACTIVITIES INCLUDE RESTORATION OF WHITE PASS HISTORIC TRAIL INCLUDING DEVELOPMENT OF CABINS OR SHELTERS, RESTORATION OF DENVER GLACIER TRAIL, DEVELOPMENT OF HISTORIC INTERPRETATION FOR VISITORS TRAVELING WHITE PASS AND YUKON RR AND POSSIBLE DEVELOPMENT OF A NATURAL GAS PIPELINE ON WHITE PASS AND YUKON RR EASEMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.		Y	VCU 1,2-White Pass Historic Trail
TRAIL CONST.	Y	Y	VCU 1-Laughton - Glacier Trail
TRAIL CONST.	Y	Y	VCU 2-Denver Glacier Trail

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C02				
MANAGEMENT AREA NAME	BERNER'S BAY				
VCUS	12.0	13.0	14.0	15.0	16.0
LUDS	2				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,509
HIGH VISUAL SENSITIVITY	13,217	12,962
MEDIUM VISUAL SENSITIVITY	490	490
BEACH FRINGE THROUGH 500 FEET	85	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,230	2,966
TOTAL ACRES	177,685	23,406

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE ORIENTED TOWARD RECREATIONAL DEVELOPMENTS, CONSTRUCTION AND MAINTENANCE OF VISITOR FACILITIES SUCH AS CABINS AND TRAILS, POSSIBLY AN AIRCRAFT LANDING STRIP, AND OTHER FACILITIES FOLLOWING AN ANALYSIS OF PUBLIC NEED. RECREATIONAL USE OF THIS AREA BY RIVER BOATS AND WHEELED AIRCRAFT IS INCREASING. FACILITY CONSTRUCTION MAY OCCUR IN 1985-89 PERIOD.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 12-Recreation Cabin
TRAIL CONST.	Y		VCU 12,13-Trail
RECREATION FACILITY	Y		VCU 13, Cabin
RECREATION FACILITY		Y	VCU 16-Cabin and Airstrip
TRAIL CONST.		Y	VCU 16-Trail
NONSTR. HABITAT IMP		Y	VCU 12,13,14,15,16 - Moose Habitat Enhancement
NONSTR. HABITAT IMP		Y	VCU 12,13,15,16 - Swan Habitat Enhancement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C03			
MANAGEMENT AREA NAME	ECHO COVE			
VCUS	17.0	23.0	24.0	25.0
LUDS	3			

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,636
HIGH VISUAL SENSITIVITY	4,375	4,375
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	544	407
TOTAL ACRES	34,934	11,967

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS IS TOWARD FUTURE TIMBER HARVEST, RELATED ROAD ACCESS, TRAIL MAINTENANCE AND IMPROVEMENT, AND REHABILITATION OF YANKEE BASIN, BESSIE CREEK, AND ECHO COVE TRAIL SYSTEMS IS NEEDED. MUCH OF THIS AREA IS HAS BEEN SELECTED BY GOLDBELT NATIVE CORP. AND THE STATE OF ALASKA.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
LAND ADJUSTMENT	Y		VCU 17,23,24,25-Goldebelt ROW Land Exchng (Cowee-Davies TS); ROW aquisition
TIMBER SALE PREP.	Y	Y	VCU 17,23,24,25-Cowee-Davies TS; 26.5MMBF; Initiated 83; To Be Offered 90
ROAD CONST.	Y		VCU 17,23,24,25-Cowee-Davies TS Roads and TIF; 26.5 Miles
RECREATION FACILITY		Y	VCU 17-Sawmill Cove Boat Launch
RECREATION FACILITY		Y	VCU 23-Cowee Campground
TRAIL CONST.		Y	VCU 23-Cowee Creek Trail
RECREATION FACILITY		Y	VCU 23-Davies Creek Trail
TRAIL CONST.		Y	VCU 23-Amalga Loop Extension Trail
TRAIL CONST.	Y		VCU 24-Bessie Creek Trail; ROW aquisition
TRAIL CONST.		Y	VCU 24-Yankee Basin Trail
TRAIL CONST.		Y	VCU 25-Bessie Creek & Echo Cove Trail
RECREATION FACILITY		Y	VCU 25-Benjamin Island Shelter

STANDARDS AND GUIDELINES
SEE COMPLETED MANAGEMENT AREA ANALYSIS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C04
MANAGEMENT AREA NAME JUNEAU ICE FIELD

VCUS 21.0 22.0 30.0 31.0 39.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	119
HIGH VISUAL SENSITIVITY	0	0
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	120	60
TOTAL ACRES	268,464	2,538

MANAGEMENT DIRECTION/EMPHASIS

MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD CONTINUANCE OF COOPERATIVE EFFORTS WITH RESEARCH GROUPS STUDYING THE JUNEAU ICEFIELDS AND GLACIERS. POTENTIAL EXISTS FOR SKI TRAIL FROM JUNEAU TO ATLIN, B.C. DEVELOPMENT OF PROPOSED AERIAL TRAM AND CONVENTION CENTER ON MT. JUNEAU WOULD PROVIDE ACCESS TO THIS AREA AND WILL RESULT IN NEED FOR TRAILS, SHELTERS, ETC. CLIMATE OF THIS AREA IS SEVERE AND WOULD REQUIRE SPECIAL CONSIDERATION FOR PUBLIC SAFETY.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
RECREATION FACILITY	Y	VCU 31,39-Shelters
TRAIL CONST.	Y	VCU 31,39-Trail From Mt. Juneau

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C05
 MANAGEMENT AREA NAME HERBERT-EAGLE GLACIER

VCUS 26.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,866
HIGH VISUAL SENSITIVITY	4,015	3,845
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	0	0
 TOTAL ACRES	 29,990	 4,354

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD MAINTENANCE AND DEVELOPMENT OF RECREATIONAL FACILITIES, MOSTLY FOOTPATHS AND TRAILS. SOIL RESTORATION WILL BE NEEDED ON ALL TRAILS, OF WHICH THERE ARE THREE MAJOR ONES THAT ARE MAINTAINED FOR PUBLIC USE. THIS MA IS OF PRIME IMPORTANCE FOR DISPERSED RECREATION TO JUNEAU AREA RESIDENTS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
SOIL STABILIZATION	Y		VCU 26-Trails
RECREATION FACILITY	Y		VCU 26-Cabin
TRAIL CONST.	Y		VCU 26-Herbert & Windfall Trail
STR. HABITAT IMP.	Y	Y	VCU 26-Herbert/Eagle River (111-50-05&06) Spawning Channel

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C06
 MANAGEMENT AREA NAME JUNEAU

VCUS 27.0 28.0 29.0 32.0 33.0 34.0 35.0 36.0 37.0
 LUDS 3 (Special)

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	14,056
HIGH VISUAL SENSITIVITY	23,015	22,791
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	1,609	1,357
SPECIAL/UNIQUE AREAS	565	429
BALD EAGLE NESTING AREAS	1,695	1,419
 TOTAL ACRES	 63,977	 27,050

MANAGEMENT DIRECTION/EMPHASIS

THIS MA HAS HIGH DEVELOPED AND DISPERSED RECREATION USE AND POTENTIAL FOR INCREASE. VCU 29 CONTAINS THE CLASSIFIED MENDENHALL GLACIER RECREATION AREA (AUTHORITY 36CFR 251.22). THIS AREA SHOULD CONTINUE TO BE MANAGED AS OUTLINED IN THE APPROVED MENDENHALL GLACIER RECREATION AREA MANAGEMENT PLAN. OPERATION OF THE MENDENHALL VISITOR CENTER SHOULD BE CONTINUED. EXISTING DEVELOPED RECREATION SITES SHOULD BE MAINTAINED. THERE ARE THREE DEVELOPED RECREATION SITES ON SPECIAL USE PERMIT IN VCU 28. CONTINUATION OF THESE PERMITS WILL BE EVALUATED. DEVELOPED RECREATION SITES IN VCU 27 WHICH AREA AUKE VILLAGE, LENA COVE, AND EAGLE BEACH SHOULD BE MAINTAINED. THE TRAIL SYSTEM IN THIS ARE SHOULD BE MAINTAINED AND EXPANDED TO ENCOURAGE DISPERSED RECREATION.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y	Y	ALL-Public Access to N.F.; ROW aquisition
NONSTR. HABITAT IMP.	Y	Y	VCU 27-Waterfowl Habitat Survey & Improve.
ADMIN. FACILITY	Y		VCU 27-Juneau Warehouse sprinkler
ADMIN. FACILITY	Y		VCU 27-Juneau Office Complex Design
ADMIN. FACILITY	Y		VCU 27-Juneau Workcenter Yard Paving
ADMIN. FACILITY	Y		VCU 27-Juneau Office Complex
RECREATION FACILITY		Y	VCU 27-Portland Is & Coghlan Is Marine Rec.
RECREATION FACILITY	Y		VCU 28-Mendenhall VIS Reconst, Design
RECREATION FACILITY	Y		VCU 28-Mendenhall VIS Reconst.
RECREATION FACILITY	Y		VCU 28-Mendenhall Visitor Center Parking Lot
RECREATION FACILITY	Y		VCU 28-Mend. VC Handicapped Restroom Reconst.
RECREATION FACILITY		Y	VCU 28-Mendenhall VC Renovation/Addition
TRAIL CONST.		Y	VCU 28-Mendenhall VC Handicapped Interp. Trail
TIMBER SALE PREP.	Y	Y	VCU 27,34- Small Sales.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
LAND ADJUSTMENT	Y		VCU 27,35,36-City and Burrough of Juneau Exchange.
STR. HABITAT IMP.	Y	Y	VCU 28-Steep Ck. Demo. Fish Pass
NONSTR. HABITAT IMP.	Y		VCU 32-Contol Access to Tern Island
NONSTR. HABITAT IMP.	Y		VCU 32-Dredge Lake Waterfowl Island construction.
STR. HABITAT IMP.	Y		VCU 32-Dredge Lake Waterfowl Nest structures
SOIL STABILIZATION	Y		VCU 32-Trails
NONSTR. HABITAT IMP.	Y		VCU 32-Waterfowl Potholes or Nest structures
STR. HABITAT IMP.	Y		VCU 32-Dredge Lake Fish Passage completed 85.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C07
 MANAGEMENT AREA NAME TAKU INLET

VCUS 38.0 41.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	2,909
HIGH VISUAL SENSITIVITY	5,346	5,346
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	237	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,435	892
TOTAL ACRES	38,922	7,896

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE TOWARD RECREATIONAL AND AESTHETIC DEVELOPMENT, ENHANCEMENT, AND MAINTENANCE.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		VCU 38-Pt. Bishop Trail; ROW aquisition
SOIL STABILIZATION	Y		VCU 38,41-Power Line Soil restoration
TRAIL CONST.		Y	VCU 41-Construction and restoration of the Lake Dorothy Trail.
NONSTR. HABITAT IMP		Y	VCU 38,41-Moose Habitat Improvement
NONSTR. HABITAT IMP		Y	VCU 38,41-Swan Habitat Improvement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C08
 MANAGEMENT AREA NAME TURNER LAKE

VCUS 42.0 43.0 44.0 47.0 48.0 59.0 60.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	2,512
HIGH VISUAL SENSITIVITY	1,547	1,487
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,030	399
TOTAL ACRES	244,864	6,747

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE TOWARD RECREATIONAL DEVELOPMENTS SUCH AS RESTORATION AND RECONSTRUCTION OF TRAILS, CONSTRUCTION OF CABINS OR SHELTERS AND DISPERSION OF RECREATION FACILITIES. CONTINUE TO MAINTAIN 2 RECREATION CABINS ON TURNER LAKE. POTENTIAL ACTIVITY INCLUDES RESTORATION OF LAKE DOROTHY TRAIL AND CONSTRUCTION OF CABIN OR SHELTER.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		VCU 43-Construction and restoration of the Turner Lake Trail.
STR. HABITAT IMP.	Y	Y	VCU 43-Turner Lk Cr (111-32-80) Fish passage
RECREATION FACILITY	Y		VCU 43-West Turner Cabin Reconst.
NONSTR. HABITAT IMP.	Y	Y	VCU 43-Turner Lake fertilization (Coop/Aquaculture, ADF&G)
SOIL STABILIZATION		Y	VCU 59-Turner Lake Trails
NONSTR. HABITAT IMP.	Y		VCU 59-Indian Lake, rearing habitat debris addition. Completed 85.
NONSTR. HABITAT IMP.	Y	Y	VCU 59-Indian Lake King-Coho stock (Coop/ADF&G)
STR. HABITAT IMP.	Y	Y	VCU 59-Indian Lake incubation boxes (Coop/ADF&G)

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C09
 MANAGEMENT AREA NAME TAKU RIVER

VCUS 40.0 45.0 46.0 49.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	2,437
HIGH VISUAL SENSITIVITY	13,765	13,152
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	68	68
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	6,727	1,839
TOTAL ACRES	137,360	14,753

MANAGEMENT DIRECTION/EMPHASIS

MAJOR ACTIVITY EMPHASIS WILL BE MAINTENANCE AND IMPROVEMENT OF RECREATIONAL CABINS AND TRAILS FOR PUBLIC USE.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
RECREATION FACILITY	Y		VCU 46-Cabin and Campsite
TRAIL CONST.	Y		VCU 46-Glacier Lake Trail
NONSTR. HABITAT IMP.	Y		VCU 46-Moose Habitat Improvement
NONSTR. HABITAT IMP.	Y		VCU 46-Swan Habitat Improvement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C10									
MANAGEMENT AREA NAME	PORT SNETTISHAM									
VCUS	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	61.0
LUDS	3,4									

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	22,854
HIGH VISUAL SENSITIVITY	10,316	9,915
MEDIUM VISUAL SENSITIVITY	14,172	14,115
BEACH FRINGE THROUGH 500 FEET	4,760	3,420
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	8,143	5,188
TOTAL ACRES	292,816	49,107

MANAGEMENT DIRECTION/EMPHASIS

ACTIVE EXPLORATION FOR MINERAL DEPOSITS IS OCCURRING IN VCU 57. VCU 53 HAS THE LIMESTONE INLET RESEARCH NATURAL AREA WHICH WILL BE CONTINUED. PLANS ARE NEEDED FOR SALTWATER RELATED RECREATION MANAGEMENT SUCH AS ANCHORAGES, CAMP SITES, CABINS, AND TRAILS. INTERPRETATION OPPORTUNITY EXISTS AT SITE OF ALASKA'S FIRST PULP MILL; THE REMAINS OF WHICH ARE HERE. ROADING AND TIMBER HARVEST WILL BE EMPHASIZED RESORT DEVELOPMENT IN NO NAME COVE IS SCHEDULED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
TRAIL CONST.	Y	VCU 57,61-Whiting River-Sweetheart Lake Trail
RECREATION FACILITY	Y	VCU 61-Gilbert River Cabin

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C11
MANAGEMENT AREA NAME TRACY ARM-FORDS TERROR

VCUS 62.0 63.0 65.0 67.0 78.0
LUDS 1

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	9,802
HIGH VISUAL SENSITIVITY	50	0
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,297	1,487
TOTAL ACRES	506,561	11,996

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE WILDERNESS AREA MANAGEMENT. THE MINERALS INVENTORY BY USGS HAS BEEN COMPLETED. MINERAL PROSPECTING IS CURRENTLY UNDERWAY IN VCUS 63 AND 65.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	

NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C12
MANAGEMENT AREA NAME HOLKHAM BAY

VCUS 64.0 66.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	9,159
HIGH VISUAL SENSITIVITY	0	0
MEDIUM VISUAL SENSITIVITY	123	123
BEACH FRINGE THROUGH 500 FEET	535	535
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,026	769
TOTAL ACRES	23,445	11,612

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE TOWARD DEVELOPED RECREATION AND DESTINATION SITES FOR USE BY VISITORS TO THE NEARBY TRACY ARM-FORDS TERROR WILDERNESS. THE ESTABLISHMENT OF A MARINA AND RECREATION USE SITE IS CURRENTLY BEING STUDIED AS AN ENTRY POINT FOR THE TRACY ARM-FORDS TERROR WILDERNESS. EXAMINATION OF THE CULTURAL/HISTORICAL VALUE OF THE FOX FARM SITE AT THE ENTRANCE TO HOLKHAM BAY IS NEEDED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
RECREATION FACILITY	Y	VCU 64-Lodge/Resort/Marina in No Name Cove

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER
MANAGEMENT AREA NAME

C13
HOBART BAY

VCUS	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0
LUDS	3,4									

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	43,283
HIGH VISUAL SENSITIVITY	8,342	8,148
MEDIUM VISUAL SENSITIVITY	14,364	13,116
BEACH FRINGE THROUGH 500 FEET	7,390	4,841
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,105	2,891
TOTAL ACRES	155,152	55,917

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE FUTURE TIMBER SALES, RELATED ACCESS ROAD CONSTRUCTION AND DEVELOPMENT OF COOPERATIVE AND COMPATIBLE FOREST WITH PRIVATE (NATIVE) LANDOWNERS. VCU 76 HAS 2560 ACRES OF GOLDBELT LAND EXCHANGE SELECTION FROM ADMIRALTY. VCU 75, HOBART BAY, HAS 23,504 ACRES OF GOLDBELT LAND EXCHANGE SELECTION FROM ADMIRALTY ISLAND.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONST.	Y		VCU 70-North Windham TS; Pre-road 9 miles & TIF
TIMBER SALE PREP.	Y		VCU 70-North Windham TS; 15MMBF; To Be Initiated 85; To Be Offered 94
TIMBER SALE PREP.	Y		VCU 71,76-Chuck River TS; 35MMBF; Initiated 83; To Be Offered 91
ROAD CONST.	Y	Y	VCU 71,75,76-Pre-road Chuck River Cost Share roads 26 miles.
ADMIN. FACILITY	Y		VCU 70-North Windham Crew Quarters
ROAD CONST.		Y	VCU 71,72,73-Pre-road 24 Miles S. Windham TS
SOIL STABILIZATION	Y	Y	VCU 71,76-Natural Slide Area Restn.
TIMBER SALE PREP.		Y	VCU 72,73-South Windham TS; 20MMBF; Initiated 83; To Be Offered 92
ROAD CONST.	Y	Y	VCU 73,74,75,76-Cost Share Supplement (Hobart Bay to Libby Creek w/Goldebelt)
ADMIN. FACILITY	Y		VCU 75-Crew Quarters and Dock - Hobart Bay
ROAD CONST.		Y	VCU 77-Two-goat TS; Pre-road 12 Miles

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C14
 MANAGEMENT AREA NAME PORT HOUGHTON

VCUS 79.0 80.0 81.0 82.0 83.0 84.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	24,282
HIGH VISUAL SENSITIVITY	4,455	4,388
MEDIUM VISUAL SENSITIVITY	10,190	10,128
BEACH FRINGE THROUGH 500 FEET	4,870	2,446
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,019	2,401
TOTAL ACRES	94,323	25,986

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE FUTURE TIMBER SALES, RELATED ACCESS ROAD CONSTRUCTION, POSSIBLE AQUACULTURE SITE DEVELOPMENT, AND DEVELOPMENT OF COOPERATIVE AND COMPATIBLE FOREST MANAGEMENT ACTIVITIES WITH PRIVATE AND NATIVE LANDOWNERS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
TIMBER SALE PREP.	Y	Y	VCU 82,83-Port Houghton TS; 25MMBF; to Be Initiated 85; To Be Offered 93
ADMIN. FACILITY	Y		VCU 83-Crew Quarters - Port Houghton
STR. HABITAT IMP.	Y		VCU 83-Negro Creek Fish Passage
ROAD CONST.		Y	VCU 83-Port Houghton TS & TTF; Pre-road 19 Miles

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER
MANAGEMENT AREA NAME

C15
SULLIVAN ISLAND

VCUS 94.0 95.0 96.0 97.0 98.0 99.0 107.0
LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	5,631
HIGH VISUAL SENSITIVITY	5,403	5,333
MEDIUM VISUAL SENSITIVITY	66	66
BEACH FRINGE THROUGH 500 FEET	461	194
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,261	1,344
TOTAL ACRES	74,111	5,916

MANAGEMENT DIRECTION/EMPHASIS

THERE ARE PENDING STATE SELECTIONS IN VCUS 93 AND 94. THERE IS ACTIVE MINERAL EXPLORATION IN VCU 107. EMPHASIS IS ON TIMBER STAND IMPROVEMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y		VCU 95-Glacier Pt, 271 AC
TIMBER STAND IMP.	Y		VCU 96,97,98-Sullivan Island, 185 AC
TIMBER STAND IMP.	Y		VCU 97-Sullivan River #2; 133 AC
TIMBER STAND IMP.	Y		VCU 98-Sullivan River #1; 122 AC
TIMBER STAND IMP.	Y		VCU 105-Endicott River; 555 AC

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER
MANAGEMENT AREA NAME

C16
ENDICOTT RIVER

VCUS 100.0 101.0 102.0 103.0 104.0 105.0
LUDS 1

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,320
HIGH VISUAL SENSITIVITY	240	240
MEDIUM VISUAL SENSITIVITY	240	240
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	240	240
TOTAL ACRES	102,852	2,166

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE WILDERNESS AREA MANAGEMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES TIME PERIODS
 1985-89/FUTURE REMARKS

NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY.

STANDARDS AND GUIDELINES
 SEE THE APPROVED WILDERNESS MANAGEMENT PLAN FOR THE ENDICOTT RIVER

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C17
 MANAGEMENT AREA NAME ST. JAMES BAY

VCUS 106.0 108.0 109.0 110.0 111.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,314
HIGH VISUAL SENSITIVITY	1,203	1,158
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,324	272
TOTAL ACRES	49,304	2,491

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE TOWARD BACK COUNTRY RECREATION MANAGEMENT. PORTIONS OF VCUS 108, 109, 110, AND 111 IN SAINT JAMES BAY HAVE BEEN SELECTED BY THE STATE AND ACCESS THROUGH SOME OF THESE LANDS IS CRITICAL TO MANAGEMENT OF SOME NATIONAL FOREST LAND.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES TIME PERIODS
 1985-89/FUTURE REMARKS

NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C18
 MANAGEMENT AREA NAME CHILKAT-RANGE

VCUS 112.0 113.0 114.0 115.0 116.0 117.0 118.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,007
HIGH VISUAL SENSITIVITY	5,504	5,228
MEDIUM VISUAL SENSITIVITY	565	565
BEACH FRINGE THROUGH 500 FEET	4,183	180
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,546	821
 TOTAL ACRES	 100,428	 10,196

MANAGEMENT DIRECTION/EMPHASIS

A POSSIBLE RECREATION CABIN SITE EXISTS IN VCU 117. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD POSSIBLE FUTURE TIMBER HARVEST, RELATED ACCESS ROAD CONSTRUCTION, AND RECREATION FACILITIES DEVELOPMENT. THERE ARE PENDING STATE SELECTIONS IN VCU 117.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.		Y	VCU 112,113,115,116,117
RECREATION FACILITY		Y	VCU 117-Cabin
TIMBER SALE PREP.	Y		VCU 118-Portions of Couverden TS; 10MMBF; Initiated 85; To Be Sold 87; Another 10MMBF; Initiated 85; To Be Sold 89
STR. HABITAT IMP.	Y		VCU 118-W. Swanson Riv (114-25-35) Fish Pass
ROAD CONST.	Y		VCU 118-Preroad Couverden 7 miles.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C19				
MANAGEMENT AREA NAME	HOMESHORE				
VCUS	119.0	120.0	121.0	122.0	123.0
LUDS	3				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	5,954
HIGH VISUAL SENSITIVITY	1,528	1,467
MEDIUM VISUAL SENSITIVITY	2,336	2,336
BEACH FRINGE THROUGH 500 FEET	2,276	220
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,752	1,018
TOTAL ACRES	59,632	7,180

MANAGEMENT DIRECTION/EMPHASIS

MAJOR ACTIVITIES WILL INCLUDE TIMBER HARVEST AND RELATED ROAD CONSTRUCTION. THERE ARE PENDING STATE SELECTIONS IN VCUS 119,120,121,122.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		VCU 119,120-Portion of Couverden TS; 10MMBF; Initiated 85; To Be Offered 87; 10 MMBF Initiated 85; To Be offered 89
ROAD CONST.	Y		VCU 119,120-Preroad and Couverden TTF
ADMIN. FACILITY	Y		VCU 120-Homeshore Workcenter Design
ADMIN. FACILITY	Y		VCU 120-Homeshore Workcenter
TIMBER STAND IMP.		Y	VCU 122-Monument Sale 353 AC
REFORESTATION	Y		VCU 123-Excursion 40 AC
TIMBER STAND IMP.	Y		VCU 123-Excursion #9 60 AC
TIMBER STAND IMP.		Y	VCU 119,120-Homeshore 571 AC

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C20
MANAGEMENT AREA NAME SHELTER ISLAND

VCUS 124.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,415
HIGH VISUAL SENSITIVITY	0	2,647
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	3,332	1,415
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,781	685
TOTAL ACRES	6,162	2,647

MANAGEMENT DIRECTION/EMPHASIS

THE MAJOR ACTIVITY EMPHASIS WILL BE ORIENTED TOWARD RECREATIONAL DEVELOPMENTS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	

NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C21
MANAGEMENT AREA NAME MANSFIELD PENINSULA

VCUS 125.0 126.0 127.0 128.0 129.0 130.0 131.0 132.0 133.0
LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	31,953
HIGH VISUAL SENSITIVITY	30,837	21,348
MEDIUM VISUAL SENSITIVITY	9,119	5,505
BEACH FRINGE THROUGH 500 FEET	20,864	12,031
SPECIAL/UNIQUE AREAS	2,264	635
BALD EAGLE NESTING AREAS	7,097	3,872
TOTAL ACRES	86,874	45,831

MANAGEMENT DIRECTION/EMPHASIS

THE OPPORTUNITY EXISTS FOR DEVELOPMENT OF A WATER-TRAIL OR A NATIONAL RECREATION TRAIL AROUND ADMIRALTY ISLAND. THE TRAIL COULD CROSS THE NARROW PENINSULA BETWEEN VCU 130 AND 131. RECREATION CABINS COULD BE CONSTRUCTED AS PART OF THIS SYSTEM. YOUNGS BAY EXPERIMENTAL FOREST IS IN VCU 133. ACTIVE MINERAL PROSPECTING IS OCCURRING IN VCUS 126, 127, 128, AND 131. THE MILLSITE FOR THE NORANDA GREENS CREEK STRIKE IS LIKELY TO BE IN VCU 128. A SALTWATER ACCESS RECREATION CABIN IS NEEDED AT HAWK INLET, VCU 128.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
RECREATION FACILITY		Y	VCU 128,130-Cabins
LAND ADJUSTMENT	Y	Y	VCU 128,130-Noranda Minerals-Special Use Permit Admin. Road & Dock
TIMBER SALE PREP.	Y	Y	VCU 131, Mansfield TS, initiated 1985 to be offered 95.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C52										
MANAGEMENT AREA NAME	RUSSELL FIORD										
VCUS	352.0	353.0	354.0	355.0	356.0	357.0	358.0	359.0	360.0	361.0	
	365.0	374.0									
LUDS	1										

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	22,000
HIGH VISUAL SENSITIVITY	8,867	8,867
MEDIUM VISUAL SENSITIVITY	1,657	1,657
BEACH FRINGE THROUGH 500 FEET	3,429	3,128
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,372	2,691
TOTAL ACRES	295,252	32,794

MANAGEMENT DIRECTION/EMPHASIS

THIS AREA WILL BE MANAGED AS WILDERNESS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
STR. HABITAT IMP.	Y	Y	VCU 364-Wildlife Habitat Improvement
STR. HABITAT IMP.	Y	Y	VCU 366-Deepen stream between Situk and Mountain Lakes.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C53
 MANAGEMENT AREA NAME YAKUTAT HIGHWAY

VCUS 364.0 365.0 373.0 375.0 376.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	21,720
HIGH VISUAL SENSITIVITY	4,034	4,034
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	0	0
TOTAL ACRES	32,158	21,720

MANAGEMENT DIRECTION/EMPHASIS

MAJOR EMPHASIS DIRECTED AT TIMBER HARVEST AND ROAD CONSTRUCTION BOTH BLOWDOWN SALVAGE AND INDEPENDENT TIMBER SALES. ANY TIMBER HARVESTING WILL MEET VISUAL QUALITY OBJECTIVES SO AS NOT TO ADVERSLY EFFECT THE USE EXPERIENCE (VQO-PR). THERE ARE NATIVE SELECTION LANDS IN VCUS 374 AND 373.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y		VCU All-Coho Enhancement Program-Borrow Pits, Debris Management.
TIMBER SALE PREP.	Y		VCU 364,376,373-Yakutat II; 12.4MMBF; Initiated 82; To Be offered 86
SOIL STABILIZATION	Y		VCU 373,375-Soil Restoration past road construction and borrow pit development.
TIMBER SALE PREP.	Y		VCU 373-Yakutat; 10MMBF; Initiated 85; To Be offered 88.
ROAD CONSTRUCTION	Y		VCU 373; 5 Miles
ROAD CONSTRUCTION	Y		VCU 373,376; 6 mi.
TIMBER STAND IMP.		Y	VCU 364,373,376.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C54
 MANAGEMENT AREA NAME YAKUTAT BAY

VCUS 367.0, 368.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,021
HIGH VISUAL SENSITIVITY	0	0
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,375	1,375
TOTAL ACRES	1,388	1,375

MANAGEMENT DIRECTION/EMPHASIS

NEARLY THIS ENTIRE MANAGEMENT AREA IS NATIVE SELECTION LAND. VCU 363 AND 369 ARE ENTIRELY NATIVE SELECTION. INCLUDES BLOWDOWN TIMBER HARVEST WITH THE YAKUTAT SALVAGE SALE.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y	Y	VCU ALL-Coho Enhancement Program-Borrow Pits, Debris Mgmt. Rearing pond development.
STR. HABITAT IMP.	Y	Y	VCU 368-Coho Enhancement Slo-Flo Lake
ROAD CONSTRUCTION.	Y		VCU 367-TTF Reconstruction.
ADMIN. FACILITY	Y		VCU 367-Develop Sort/Scale yard.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C55
 MANAGEMENT AREA NAME YAKUTAT AIRPORT

VCUS 367.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	3,131
HIGH VISUAL SENSITIVITY	339	339
MEDIUM VISUAL SENSITIVITY	611	611
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	679	204
 TOTAL ACRES	 11,116	 4,073

MANAGEMENT DIRECTION/EMPHASIS

SOIL RESTORATION WORK IS PLANNED FOR THE PAST TIMBER SALES AND OTHER SMALL TIMBER SALES MAY BE PLANNED IN THE FUTURE. WATERFOWL HABITAT IMPROVEMENT IS PLANNED AS WELL AS A VISUAL DISPLAY AT THE AIRPORT. THERE ARE NATIVE SELECTED LANDS IN VCU 367. IDENTIFICATION AND CLEANUP OF WORLD WAR II DEBRIS WITH U.S. CORP. OF ENGINEERS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ADMIN. FACILITY	Y		VCU 367-Yakutat Fuel Storage Design
ADMIN. FACILITY	Y		VCU 367-Yakutat Fuel Storage construction
ADMIN. FACILITY	Y		VCU 367-Yakutat Warehouse Remodel
ADMIN. FACILITY		Y	VCU 367-Trailer pads.
TIMBER STAND IMP.		Y	VCU 367-Tawah Cr #1&2; 551 AC
NONSTR. HABITAT IMP.	Y	Y	VCU 367-Colorado Cr Rearing pond development

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C56
MANAGEMENT AREA NAME DANGEROUS RIVER

VCUS 372.0 377.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,277
HIGH VISUAL SENSITIVITY	2,143	2,143
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	79	0
BALD EAGLE NESTING AREAS	4,298	1,437
TOTAL ACRES	70,412	9,727

MANAGEMENT DIRECTION/EMPHASIS

MAJOR ACTIVITY EMPHASIS WILL BE TOWARD BACK COUNTRY DEVELOPMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y		VCU ALL-Coho Enhancement program-Borrow Pits, Debris management
NONSTR. HABITAT IMP.		Y	VCU ALL-Moose Habitat Improvement
NONSTR. HABITAT IMP.		Y	VCU ALL-Waterfowl Habitat improvement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C57
 MANAGEMENT AREA NAME YAKUTAT BEACH DUNE

VCUS 370.0 371.0 380.0 381.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	3,353
HIGH VISUAL SENSITIVITY	3,442	3,442
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,260	1,515
TOTAL ACRES	19,534	3,442

MANAGEMENT DIRECTION/EMPHASIS

THIS MANAGEMENT AREA HAS EXTENSIVE ROAD SYSTEMS THAT ARE USED PRIMARILY BY COMMERCIAL FISHERMEN TO TRANSPORT FRESHLY CAUGHT SALMON TO BUSH AIRSTRIPS TO BE FLOWN TO YAKUTAT FOR PROCESSING. THESE ARE ONE LANE UNIMPROVED ROADS THAT ARE ESSENTIAL TO THE COMMERCIAL FISHING INDUSTRY OF YAKUTAT. THE CONTINUED USE OF THESE ROADS WILL BE PERMITTED. EMPHASIS WILL BE FOR FISH CAMPS AND DISPERSED RECREATION.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 370,371,380,381-Shelters
TRAIL CONST.	Y		VCU 370,371,380,381-Water Trail
NONSTR HABITAT IMP.		Y	VCU 370,371,380,381-Water Fowl and shore birds habitat improvement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C58						
MANAGEMENT AREA NAME	YAKUTAT FORELANDS						
VCUS	378.0	379.0	382.0	386.0	387.0	388.0	389.0
LUDS	3						

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	54,437
HIGH VISUAL SENSITIVITY	11,688	11,433
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	1,106	682
BALD EAGLE NESTING AREAS	5,106	1,356
TOTAL ACRES	124,516	62,943

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT OF THIS AREA IS OF SPECIAL CONCERN TO THE CITY OF YAKUTAT, MANY ENVIRONMENTAL GROUPS, AND NATIVE ORGANIZATIONS. THEY ARE CONCERNED OVER THE POTENTIAL EFFECT OF LOGGING ON FISHERIES AND LOCAL LIFESTYLE. FOR THIS REASON, SPECIAL CARE WILL BE TAKEN IN PROTECTING THESE VALUES. INDEPENDENT TIMBER SALES ARE SCHEDULED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONST.		Y	VCU 378,379,382,387,388,389-Dangerous River to Dry Bay. 30 mi.
TIMBER SALE PREP.	Y	Y	VCU 379-Yakutat TS; 10MMBF; To Be initiated 88; To be offered 94.
TIMBER SALE PREP.		Y	VCU 379-Itallo River TS; 10MMBF; To be initiated 85; To be offered 90.
TIMBER SALE PREP.	Y	Y	VCU 382-Yakutat South TS; 10MMBF; To be initiated 87; To be sold 92
NONSTR. HABITAT IMP.	Y		VCU ALL-Coho Enhancement program-borrow pits, debris management
TRAIL CONSTRUCTION		Y	VCU ALL-Maintain existing trail system
RECREATION FACILITY		Y	VCU ALL-Maintain Existing Airfields
NONSTR. HABITAT IMP.		Y	VCU ALL-Moose Habitat Improvement
NONSTR. HABITAT IMP.		Y	VCU ALL-Swan Habitat Improvement

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C59
 MANAGEMENT AREA NAME BRABAZON RANGE

VCUS 383.0 384.0 385.0 390.0 391.0 392.0 393.0 394.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	2,558
HIGH VISUAL SENSITIVITY	2,024	1,781
MEDIUM VISUAL SENSITIVITY	1,849	1-781
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,651	0
TOTAL ACRES	89,053	4,291

MANAGEMENT DIRECTION/EMPHASIS

FISH HABITAT IMPROVEMENT IS PLANNED AT ITALIO LAKE. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD MANAGING THE BACK COUNTRY RESOURCE VALUES OF THE MANAGEMENT AREA.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y		VCU 383,384,385,390,391,393,394-Coho enhancement program-borrow pits, debris management.
STR. HABITAT IMP.	Y	Y	VCU 384-Italo River Fish Pass reconstruction. Completed 85.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C60
 MANAGEMENT AREA NAME DRY BAY

VCUS 395.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	28,240
HIGH VISUAL SENSITIVITY	12,311	10,196
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	81	0
BALD EAGLE NESTING AREAS	6,071	3,656
TOTAL ACRES	45,725	30,429

MANAGEMENT DIRECTION/EMPHASIS

THIS AREA HAS EXTENSIVE ROAD SYSTEMS, A NUMBER OF BUSH AIRSTRIPS, A FISH PROCESSING PLANT, AND A NUMBER OF SPECIAL USE PERMIT FISHING CAMPS. THESE FACILITIES ARE USED PRIMARILY BY COMMERCIAL FISHERMEN AND ARE ESSENTIAL TO THE COMMERCIAL FISHERY OF DRY BAY. THE CONTINUED USE OF THESE FACILITIES WILL BE PERMITTED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
RECREATION FACILITIES	Y	VCU ALL-Maintain Airfields
ROAD CONSTRUCTION	Y	VCU ALL-Potential Road Development to Dry Bay
NONSTR. HABITAT IMP.	Y	VCU ALL-Swan/Waterfowl/Moose Habitat

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C61
 MANAGEMENT AREA NAME SITUK RIVER

VCUS 362.0 366.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,051
HIGH VISUAL SENSITIVITY	4,977	4,977
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	409	136
BALD EAGLE NESTING AREAS	1,568	1,227
 TOTAL ACRES	 13,907	 7,574

MANAGEMENT DIRECTION/EMPHASIS

THE RECREATION USE OF THE RIVER WILL BE FACILITATED AT THE BOAT LANDING ON THE LOWER SITUK RIVER. THIS AREA IS ONE OF THE OUTSTANDING SPORT AND COMMERCIAL FISHERIES IN ALASKA. ALL FIVE SPECIES - KING, COHO, PINK, CHUM, AND SOCK EYE - OF SALMON ARE IN THIS SYSTEM. THE SPORT FISHING QUALITY OF THIS RIVER IS WELL KNOWN AS WELL AS A VALUABLE COMMERCIAL FISHERY WHICH IS UTILIZED BY YAKUTAT FISHERMEN. THERE ARE 3 FOREST SERVICE RECREATIONAL CABINS INCLUDING 2 ON THE RIVER AND ONE ON SITUK LAKE. ONE BUSH LANDING STRIP IS MAINTAINED TO PROVIDE ACCESS TO THE CENTRAL PART OF THE RIVER. THE RIVER IS A FAVORITE FLOAT STREAM FOR ALASKA FISHERMEN AS WELL AS MANY SPORTSMEN FROM OUTSIDE THE STATE. CONTINUED USE OF THE UNIMPROVED ACCESS ROAD TO THE SITUK RIVER COMMERCIAL FISHING CAMP WILL BE PERMITTED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS 1985-89/FUTURE	REMARKS
NONSTR. HABITAT IMP.	Y	VCU 362,366-Coho Enhancement Program
RECREATION FACILITY	Y	VCU 366-Boat Landing/Storage area campsite.

CHATHAM AREA

ADMIRALTY ISLAND NATIONAL MONUMENT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C22
 MANAGEMENT AREA NAME ADMIRALTY ISLAND NATIONAL MONUMENT

VCUS	134.0	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0	153.0
	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0	162.0	163.0
	164.0	165.0	166.0	167.0	168.0	169.0	170.0	171.0	172.0	173.0
	174.0	175.0	176.0	177.0	178.0	179.0	180.0	181.0	182.0	183.0
	184.0									

LUDS 1, LUD 1 NON-WILDERNESS NATIONAL MONUMENT LANDS

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	356,712
HIGH VISUAL SENSITIVITY	108,268	106,608
MEDIUM VISUAL SENSITIVITY	116,798	113,774
BEACH FRINGE THROUGH 500 FEET	165,139	131,845
SPECIAL/UNIQUE AREAS	30,342	15,981
BALD EAGLE NESTING AREAS	46,866	40,831
WILDERNESS ACRES:	937,396	
NON-WILDERNESS ACRES:	17,225 (VCU 144)	
TOTAL ACRES:	954,621	
TOTAL ACRES	920,860	536,304

MANAGEMENT DIRECTION/EMPHASIS

THIS AREA IS A NATIONAL MONUMENT AND MOST OF IT IS ALSO WILDERNESS. THE MANAGEMENT PLAN FOR THE MONUMENT, COMPLETED IN NOVEMBER OF 1983, CALLS FOR MAINTENANCE OF THE ISLAND'S WILDERNESS CHARACTER WHILE PROVIDING FOR HUMAN USE AND ENJOYMENT. NORANDA'S GREENS CREEK MINE WILL BE ADMINISTERED. THE CROSS-ISLAND CANOE ROUTE WILL BE MAINTAINED AND IMPROVED TO PORTAGE STANDARDS. NEW TRAILS MAY BE CONSTRUCTED TO ACCESS ALPINE AREAS. TRAILS MAY BE CONSTRUCTED ACROSS SHEE ATIKA'S SELECTIONS ON FOREST SERVICE EASEMENTS TO PROVIDE ACCESS TO ADJACENT NATIONAL FOREST LANDS. THREE SUBSTANDARD PUBLIC RECREATION CABINS WILL BE RECONSTRUCTED ALONG WITH THE PACK CREEK BEAR OBSERVATION TOWER. SEVERAL FISHERIES ENHANCEMENT PROJECTS ARE BEING EVALUATED AND MAY BE CONSTRUCTED AS PERMITTED UNDER SECTION 1315 OF ANILCA. LAND EXCHANGES ARE PENDING WITH SHEE ATIKA TO CORRECT AN ERROR IN ANILCA REGARDING THE FOREST SERVICE RECREATION CABINS ON LAKE FLORENCE AND LAKE KATHLEEN AND WITH OTHER PRIVATE LANDOWNERS WHO WOULD LIKE TO ACQUIRE LANDS OFF ADMIRALTY. THE ANGOON ADMINISTRATIVE SITE WILL BE RETAINED AND UPGRADED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 150-West Florence Cabin Replacement Recon.
RECREATION FACILITY	Y		VCU 157-Distin Lake Cabin Reconst.

CONTINUED

ACTIVITIES	1985-89/FUTURE		REMARKS
	PLAN PERIODS		
RECREATION FACILITY	Y		VCU 165-Hasselborg River Cabin Reconst.
TRAIL CONSTRUCTION	Y		VCU 165-Hasselborg River Trail Reconstruction
RECREATION FACILITY	Y		VCU 135-Oliver Inlet Tram Repair - State of Alaska Project on State Land Reconst.
RECREATION FACILITY	Y		VCU 157-Pack Creek Tower Reconst.
TRAIL CONST.	Y		VCU 163-Mitchell Bay to Thayer Lake Trail Reconst.
TRAIL CONST.	Y		VCU 152-Pack Creek Trail Reconst.; completed 1985
TRAIL CONST.	Y		VCU 157-Distin/Thayer Trail Reconst.
TRAIL CONST.		Y	VCU 163-Kanalku Lake Trail Reconst.
TRAIL CONST.		Y	VCU 147,148,149,150-Shee Atika Trail
STR. HABITAT IMP.		Y	VCU 149-Ward Creek Passage (112-17-16)
STR. HABITAT IMP.		Y	VCU 150-Florence Crk Passage (112-17-25)
STR. HABITAT IMP.	Y		VCU 158-Fishery Crk Passage (112-17-30)
TRAIL CONST.		Y	Various VCUs-New Trail-locations to be determined.
STR. HABITAT IMP.		Y	VCU 165-Private Hatchery in Favorite Bay
LAND ADJUSTMENT	Y		VCU 148,150-85 Shee Atika Land Exchge Analysis
LAND ADJUSTMENT	Y		VCU 142-Pybus Bay Land Exchange Analysis
ADMIN. FACILITY	Y		VCU 167-85 Angoon Dwelling Sewer System
ADMIN. FACILITY	Y		VCU 167-88 Angoon Work Center Design
ADMIN. FACILITY	Y		VCU 167-89 Angoon Work Center

STANDARDS AND GUIDELINES FOR THIS NATIONAL MONUMENT AND WILDERNESS ARE DISPLAYED IN THE APPROVED ADMIRALTY ISLAND WILDERNESS MANAGEMENT PLAN THESE STANDARDS AND GUIDELINES SUPERCEDE THE INTERIM MONUMENT MANAGEMENT GUIDELINES WHICH WERE INCLUDED IN THE ORIGINAL TLMP. STANDARDS AND GUIDELINES WHICH ARE SPECIFIC TO THE AREA AROUND MITCHELL BAY HAVE NOT YET BEEN DEVELOPED.

CHATHAM AREA

HOONAH RANGER DISTRICT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C23
MANAGEMENT AREA NAME PLEASANT-LEMESURIER

VCUS 185.0 186.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,437
HIGH VISUAL SENSITIVITY	6,625	5,737
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	7,137	2,254
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,810	1,332
TOTAL ACRES	15,527	6,620

MANAGEMENT DIRECTION/EMPHASIS

MAJOR ACTIVITY EMPHASIS WILL EMPHASIZE SCENIC, WILDLIFE, AND BACK COUNTRY FEATURES.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	

NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C24
MANAGEMENT AREA NAME ELFIN COVE

VCUS 187.0 189.0
LUDS 3, 3 (SPECIAL)

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,107
HIGH VISUAL SENSITIVITY	6,026	5,118
MEDIUM VISUAL SENSITIVITY	598	598
BEACH FRINGE THROUGH 500 FEET	2,293	1,896
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,417	2,612
TOTAL ACRES	25,878	8,715

MANAGEMENT DIRECTION/EMPHASIS

THE WORLD WAR II SHORE GUN AND SITE ON GEORGE ISLAND COULD BE RESTORED AND MAINTAINED AS A VISITOR'S SITE. ACTIVITY WILL EMPHASIZE WILDLIFE, FISHERIES, AND UNDEVELOPED FEATURES. THE POSSIBILITY OF DEVELOPING A TRAIL SYSTEM TO PORT ALTHORP SHOULD BE ANALYZED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
RECREATION FACILITY	Y	Y	VCU 187-Rec., VIS
RECREATION FACILITY		Y	VCU 187-Rec. Cabin

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C25									
MANAGEMENT AREA NAME	PELICAN									
VCUS	188.0	250.0	251.0	252.0	253.0	256.0	257.0	258.0	260.0	261.0
LUDS	3, 3 (SPECIAL), 4									

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	12,885
HIGH VISUAL SENSITIVITY	9,829	9,539
MEDIUM VISUAL SENSITIVITY	1,711	1,711
BEACH FRINGE THROUGH 500 FEET	7,775	3,935
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,646	3,194
TOTAL ACRES	87,086	19,843

MANAGEMENT DIRECTION/EMPHASIS

THERE ARE 9 PATENTED MINING CLAIMS IN BOHEMIA BASIN; THESE ARE IN VCU'S 256-257. SOME NATURAL SLIDES AND PAST MINED SITES COULD BE RESTORED. THE MINE OWNERS ARE CONTINUING EXPLORATION OF THE MINERAL DEPOSITS FOR POSSIBLE DEVELOPMENT. THERE IS ANOTHER MINE BETWEEN APEX AND EL NIDO MOUNTAINS; EXPLORATION IS CURRENTLY TAKING PLACE. IN 1980 APPROXIMATELY 1,740 ACRES AROUND THE TOWN OF PELICAN WERE TENTATIVELY APPROVED FOR CONVEYANCE TO THE STATE OF ALASKA. THIS INCLUDES PORTION'S OF VCU'S 250, 251 AND 253. IN 1984 APPROXIMATELY 1,050 ACRES FROM CAPE BINGHAM TO MITE COVE WERE TENTATIVELY APPROVED FOR CONVEYANCE TO THE STATE OF ALASKA. ABOUT 330 ACRES OF THIS SELECTION AREA HAD PREVIOUSLY BEEN IN THE WEST CHICHAGOF-YAKOBI WILDERNESS. THIS INCLUDES VCU 253, AND IN MANAGEMENT AREA C38, VCU 254. THE POSSIBILITY OF DEVELOPING A TRAIL SYSTEM FOR THE AREA AROUND PELICAN SHOULD BE ANALYZED.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
LAND ADJUSTMENT	Y		VCU 256,257-Inspiration Mining Company, Bohemia Basin; Operating Plan Admin.
LAND ADJUSTMENT	Y		VCU 256,257-Mine Access Road; Operating Plan Admin.
LAND ADJUSTMENT	Y	Y	VCU 260,261-Apex-El Nido; Operating Plan Admin.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C26
MANAGEMENT AREA NAME IDAHO INLET

VCUS 190.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	8,452
HIGH VISUAL SENSITIVITY	7,421	7,318
MEDIUM VISUAL SENSITIVITY	1,134	1,134
BEACH FRINGE THROUGH 500 FEET	4,844	2,886
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,267	1,546
TOTAL ACRES	53,395	11,544

MANAGEMENT DIRECTION/EMPHASIS

A TRAIL BETWEEN IDAHO INLET AND TENAKEE INLET IS POSSIBLE WHICH IF CONNECTED TO A PORTAGE TRAIL BETWEEN PORT FREDERICK AND TENAKEE INLET COULD PROVIDE FOR PART OF A TRAIL LOOP SYSTEM.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 190-Cabins or Shelters, Idaho Inlet
TRAIL CONST.	Y		VCU 190-Trail to Tenakee Inlet

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C27
 MANAGEMENT AREA NAME MUD BAY

VCUS 191.0 192.0 193.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	12,285
HIGH VISUAL SENSITIVITY	6,276	6,276
MEDIUM VISUAL SENSITIVITY	1,381	1,381
BEACH FRINGE THROUGH 500 FEET	5,728	3,382
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,461	1,144
 TOTAL ACRES	 55,522	 16,735

MANAGEMENT DIRECTION/EMPHASIS

THIS MANAGEMENT AREA IS INCLUDED IN THE ACTIVE LOGGING AREA FOR THE LONG TERM SALE WITH ALASKA PULP CORPORATION (APC). VCU'S 192 AND 193 ARE IN THE APC 86-90 STUDY AREA. SPECIAL PRESCRIPTIONS WILL BE WRITTEN TO PROTECT THE FISH STREAMS, OTTER LAKE, AND MUD FLAT AREA. IT WOULD BE POSSIBLE TO ACCESS THE FLATS FROM THE EXISTING NEKA ROAD SYSTEM AND TO CONSTRUCT A PUBLIC RECREATION CABIN WHICH COULD BE USED FOR BIRD VIEWING AND HUNTING. FISHERIES HABITAT ENHANCEMENT WILL TAKE PLACE IN MUD RIVER. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVEST, RELATED ACCESS ROAD CONSTRUCTION, AND FISHERIES ENHANCEMENT.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY TRAIL CONST.	Y	Y	VCU 193-Cabin Near Mud Flats VCU 193-Trail construction to Mud Flats from Otter Lake
NONSTR. HABITAT IMP.	Y	Y	VCU 193-Second Growth Mgmt. Debris reduction
STR. HABITAT IMP.	Y		VCU 193-Mud Bay River (114-23-70) rearing cover enhancement. Completed 85.
TIMBER SALE PREP.	Y	Y	VCU 192,193-APC 86-90 and 91-95
TIMBER SALE PREP.		Y	VCU 191,192-APC 91-95

STANDARDS AND GUIDELINES
 SEE 1976-81 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C28
 MANAGEMENT AREA NAME NEKA

VCUS 194.0 195.0 196.0 197.0 198.0 200.0 201.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	21,638
HIGH VISUAL SENSITIVITY	11,397	10,956
MEDIUM VISUAL SENSITIVITY	2,021	2,021
BEACH FRINGE THROUGH 500 FEET	10,380	5,987
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,247	1,860
TOTAL ACRES	87,017	31,229

MANAGEMENT DIRECTION/EMPHASIS

VCU'S 194, 195, 196, 197, 198, AND 201 ARE IN THE APC 86-90 STUDY AREA. SEALASKA CORPORATION HAS RECEIVED INTERIM CONVEYANCE OF LAND IN VCU'S 197, 198, 200, AND 201. HUNA TOTEM CORPORATION HAS RECEIVED INTERIM CONVEYANCE OF SOME LAND IN VCU 200. FISH AND WILDLIFE HABITAT ENHANCEMENT PROJECTS ARE POSSIBLE IN THIS MANAGEMENT AREA. THERE WILL ALSO BE SOME BRIDGES REPLACED ON THE ROAD SYSTEM, AND REFORESTATION PROJECTS ARE PLANNED. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVEST AND ACCESS ROAD CONSTRUCTION.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
REFORESTATION	Y		VCU 201
RECREATION FACILITY	Y	Y	VCU 201-Neka Bay Marine Park
BRIDGES	Y	Y	VCU 201-Bridge Replace., Rds. 8580, 9963, 9976
RECREATION FACILITY	Y	Y	VCU 201-Neka Cabin
STR. HABITAT IMP.	Y		VCU 201-Neka Lake Nest Platforms
NONSTR. HABITAT IMP.	Y	Y	VCU ALL-Second Growth Mgmt. Debris Reduction
STR. HABITAT IMP.	Y	Y	VCU 201-Stream #114-33-029, Rearing Cover Enhancement.
NONSTR. HABITAT IMP.	Y		VCU ALL-Habitat Imp. Riparian Cover Planting
STR. HABITAT IMP.	Y		VCU ALL-Hab. Imp. Wildlife Cavity Nest Boxes
TIMBER SALE PREP.	Y	Y	VCU 194,195,196,197,198,200,201 - APC 86-90 and 91-95

STANDARDS AND GUIDELINES
 SEE 1976-81 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C29 (HOONAH RANGER DISTRICT PORTION)
 MANAGEMENT AREA NAME TENAKEE INLET

VCUS 202.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	16,804
HIGH VISUAL SENSITIVITY	11,939	11,836
MEDIUM VISUAL SENSITIVITY	8,018	7,914
BEACH FRINGE THROUGH 500 FEET	14,424	8,732
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,526	3,280
 TOTAL ACRES	 105,267	 23,545

MANAGEMENT DIRECTION/EMPHASIS

VCU 202 IS IN THE APC 86-90 STUDY AREA. THERE IS SOME NATIVE SELECTION LAND IN VCU 202. FISH AND WILDLIFE HABITAT ENHANCEMENT PROJECTS ARE PLANNED IN VCU 202. THE CANOE PORTAGE BETWEEN PORT FREDERICK AND TENAKEE INLET COULD POSSIBLY BE TIED INTO THE TRAIL LOOP SYSTEM, OR USED AS PART OF A KAYAK LINK BETWEEN HOONAH AND TENAKEE SPRINGS. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVEST, CONSTRUCTION OF RELATED ACCESS ROADS, AND REPLACEMENT OF BRIDGES ON RD. 8580. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 222-226 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y		VCU 202-Bridge Replacement Rd. 8580
RECREATION FACILITY	Y		VCU 202-Recreation Shelter
TRAIL CONST.	Y		VCU 202-Port Frederick Canoe/Kayak Route
REFORESTATION	Y	Y	VCU 222
NONSTR. HABITAT IMP.	Y		VCUS 222,223-Habitat Improvement, Slash Treatment

STANDARDS AND GUIDELINES

SEE 1976-81 AND 1981-86 ALP OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C30
 MANAGEMENT AREA NAME FRESHWATER

VCUS	203.0	204.0	213.0	214.0	215.0	216.0	217.0	218.0
LUDS	3,4							

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	38,484
HIGH VISUAL SENSITIVITY	6,978	6,978
MEDIUM VISUAL SENSITIVITY	10,767	10,656
BEACH FRINGE THROUGH 500 FEET	13,972	9,754
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,413	3,246
TOTAL ACRES	119,201	54,839

MANAGEMENT DIRECTION/EMPHASIS

THE AREA IS IN THE APC 86-90 STUDY AREA. THERE HAS BEEN A COST SHARE AGREEMENT FOR ROADS AND A TIMBER TRANSFER FACILITY (TTF) BETWEEN HUNA TOTEM CORPORATION AND THE FOREST SERVICE. TSI PROJECTS ARE PLANNED FOR VCU 217. FUTURE RECREATION OPPORTUNITIES INCLUDE AN ALPINE TRAIL IN VCU 215, A CABIN AT PAVLOF LAKE IN VCU 218, AND A TRAIL FROM THE ROAD SYSTEM TO PAVLOF LAKE. FUTURE WILDLIFE AND FISH HABITAT ENHANCEMENT PROJECTS ARE PLANNED IN ALL VCU'S. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVEST, RELATED ACCESS ROAD CONSTRUCTION, AND REPLACEMENT OF BRIDGES ON SEVERAL OF THE ROADS. THERE IS ALSO THE POSSIBILITY OF A NEW WORKCENTER WITH RELATED FACILITIES BEING CONSTRUCTED AT KENNEL CREEK.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		VCU 204-Alpine Trail
RECREATION FACILITY	Y		VCU 204-Freshwater Bay Campground
STR. HABITAT IMP.	Y		VCU 204-Game Creek Fishway (114-31-13)
STR. HABITAT IMP.	Y		VCU 215-Upper Freshwater Creek Nest Platform
TRAIL CONST.		Y	VCU 215-Alpine Trail
STR. HABITAT IMP.		Y	VCU 215-Fish Habitat Improvement Freshwater Creek Fish Passage (112-50-30)
ADMIN. FACILITY	Y		VCU 215-Kennel Creek Workcenter Housing
ADMIN. FACILITY	Y		VCU 215-Kennel Creek Workcenter Support Facil.
BRIDGES	Y		VCU 217-Bridge Replacement Projects Road 8510
BRIDGES	Y		VCU 217,218-Bridge Replacement, ROADS 8515, 8515A, 8516, 8517, 8500
NONSTR. HABITAT IMP.	Y		VCU 217-Rearing Cover Enhancement, Kennel Crk (112-50-20)

CONTINUED

MGMT ACTIVITIES	1985-89/FUTURE		REMARKS
	PLAN PERIODS		
TIMBER STAND IMP.	Y		VCU 217-TSI
BRIDGES	Y		VCU 218-Bridge Replacement, Road 8510
STR. HABITAT IMP.	Y		VCU 218-Habitat Improvement Fish - Pavlof River Fish Passage (112-50-01)
RECREATION FACILITY	Y		VCU 218-Pavlof Cabin Analysis
TRAIL CONST.	Y		VCU 218-Pavlof Lake Trail
STR. HABITAT IMP.	Y		VCU 218-Pavlof Nest Platforms
RECREATION FACILITY		Y	VCU 218-Pavlof Cabin
RECREATION FACILITY		Y	VCU 218-Pavlof Campground
NONSTR. HABITAT IMP.	Y		VCU ALL-Wildlife Habitat Improvement Riparian Cover Planting
NONSTR. HABITAT IMP.	Y	Y	VCU ALL-Wildlife Habitat Improvement Second Growth Management Debris Reduction
STR. HABITAT IMP.	Y		VCU ALL-Cavity Nester Nest Boxes
TIMBER SALE PREP.	Y	Y	VCU 213,203,204,214,215,216,217,218 -APC 86-90 and 91-95

STANDARDS AND GUIDELINES
SEE 1976-81 AND 1981-86 ALP OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C31							
MANAGEMENT AREA NAME	WHITESTONE							
	205.0	207.0	208.0	209.0	210.0	211.0	212.0	
VCUS								
LUDS	4							
				NFS ACRES				CFL ACRES
OPERABLE CFL				-----				21,903
HIGH VISUAL SENSITIVITY				4,041				4,041
MEDIUM VISUAL SENSITIVITY				6,699				6,391
BEACH FRINGE THROUGH 500 FEET				8,474				4,245
SPECIAL/UNIQUE AREAS				734				215
BALD EAGLE NESTING AREAS				1,373				738
TOTAL ACRES				73,251				35,724

MANAGEMENT DIRECTION/EMPHASIS

VCU'S 208, 209, 210, 211, AND 212 ARE IN THE APC 86-90 STUDY AREA. THERE ARE ALSO INDEPENDENT TIMBER SALES PLANNED FOR THIS AREA. AN INTERIM LAND CONVEYANCE HAS BEEN MADE TO THE HUNA TOTEM CORPORATION LAND IN VCU 207. SEALASKA HAS SELECTED AND IS WAITING FOR INTERIM CONVEYANCE OF LAND IN VCU 205. OPPORTUNITIES FOR A LOOP ALPINE TRAIL SYSTEM WITH SHELTERS IS POSSIBLE USING THE FOREST DEVELOPMENT ROADS AS ENTRIES. MAJOR ACTIVITY EMPHASIS WILL BE DIRECTED TOWARD TIMBER HARVESTING AND RELATED ACCESS ROAD CONSTRUCTION. FISH AND WILDLIFE HABITAT ENHANCEMENT PROJECTS ARE PLANNED IN ALL VCU'S.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.		Y	VCU 205-Alpine Trail
TRAIL CONST.	Y		VCU 205-Port Frederick Canoe/Kayak route
RECREATION FACILITY	Y		VCU 205-Gartina Falls Visitor Info. service
TRAIL CONST.	Y		VCU 205-Gartina Falls Trail
ADMIN. FACILITY	Y		VCU 206-Hoonah Duplex-4 Units
LAND ADJUSTMENT	Y		VCU 206-Hoonah land acquisition or lease for warehouse complex.
ADMIN. FACILITY	Y		VCU 206-Hoonah Bunkhouse.
ADMIN. FACILITY	Y	Y	VCU 206-Hoonah Duplex-5 Units.
TRAIL CONST.		Y	VCU 207,209,210-Alpine Trail
ROAD CONST.	Y		VCU 208-13 miles pre-road from Iyouktug, Suntaheen to False Bay & Whitestone TIF
STR. HABITAT IMP.	Y		VCU 209-Suntaheen CR (114-27-14) fish passage
RECREATION FACILITY	Y	Y	VCU 210-Alpine Shelters
RECREATION FACILITY		Y	VCU 209-Whitestone Harbor Marine park
ADMIN. FACILITY	Y		VCU 209,210-Crew Quarters - Iyouktug
ROAD CONST.	Y		VCU 210-9 Miles Pre-road Iyouktug road 8530
ROAD CONST.	Y		VCU 210,212-Iyouktug, Gypsum, Wukuklook Road 8530, 19 Miles
TRAIL CONST.		Y	VCU 210,212-Sonyakay Ridge Trail
STR. HABITAT IMP.	Y		VCU ALL-Cavity Nester Nest Boxes
NONSTR. HABITAT IMP.	Y		VCU ALL-Riparian Cover Planting
NONSTR. HABITAT IMP.	Y	Y	VCU ALL-Second Growth Mgmt. Wildlife habitat improvement.
TIMBER SALE PREP.	Y		VCU 209 Suntaheen TS;10 MMBF initiated 1981; offered 85
TIMBER SALE PREP.	Y	Y	VCU 208,209,210,211,212 - APC 86-90 and 91-95
TIMBER SALE PREP.		Y	VCU 205,207 APC 91-95
ADMIN. FACILITY	Y		VCU 206-Hoonah Warehouse Complex

STANDARDS AND GUIDELINES
SEE 1981-86 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C38 (HOONAH RANGER DISTRICT PORTION)
MANAGEMENT AREA NAME WEST CHICHAGOF

VCUS 254.0 255.0 259.0
LUDS 1

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	38,989
HIGH VISUAL SENSITIVITY	25,270	24,888
MEDIUM VISUAL SENSITIVITY	8,802	8,705
BEACH FRINGE THROUGH 500 FEET	59,654	26,728
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	23,895	12,525
TOTAL ACRES	226,879	69,906

MANAGEMENT DIRECTION/EMPHASIS

THE WILDERNESS WILL BE MANAGED TO PROTECT WILDERNESS VALUES. A MAJOR EMPHASIS AREA FOR THE 85-89 PERIOD WILL BE THE VALIDATION OF EXISTING CLAIMS. FURTHER MANAGEMENT DIRECTION IS SUPPLIED IN W. CHICHAGOF-YAKOBI MANAGEMENT PLAN ENVIRONMENTAL ASSESSMENT, 1985.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y	Y	VCU 254,255-King Salmon Lake stocking
TIMBER STAND IMP.	Y		VCU 220-Prescribed Burn, Slash Disposal.

CHATHAM AREA

SITKA RANGER DISTRICT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C29 (SITKA RANGER DISTRICT PORTION)
 MANAGEMENT AREA NAME TENAKEE INLET

VCUS 222.0 223.0 224.0 225.0 226.0 227.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	16,804
HIGH VISUAL SENSITIVITY	11,939	11,836
MEDIUM VISUAL SENSITIVITY	8,018	7,914
BEACH FRINGE THROUGH 500 FEET	14,424	8,732
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,526	3,280
 TOTAL ACRES	 105,267	 23,545

MANAGEMENT DIRECTION/EMPHASIS

REFORESTATION ACTIVITIES ARE PLANNED IN VCU 222, AND TSI ACTIVITIES ARE PLANNED IN VCU 223. THE CANOE PORTAGE BETWEEN PORT FREDERICK AND TENAKEE INLET COULD POSSIBLY BE TIED INTO THE TRAIL LOOP SYSTEM, OR USED AS PART OF A KAYAK LINK BETWEEN HOONAH AND TENAKEE SPRINGS. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 222-226 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
REFORESTATION	Y	Y	VCU 222
TIMBER STAND IMP.	Y	Y	VCU 223
TIMBER STAND IMP.		Y	VCU 223,224,225,226,227-APC 90-95.

STANDARDS AND GUIDELINES
 SEE 1976-81 AND 1981-86 ALP OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C32
 MANAGEMENT AREA NAME TENAKEE

VCUS 219.0 220.0 221.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	11,166
HIGH VISUAL SENSITIVITY	5,380	5,380
MEDIUM VISUAL SENSITIVITY	2,080	2,080
BEACH FRINGE THROUGH 500 FEET	4,197	3,660
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,091	1,767
TOTAL ACRES	28,605	15,114

MANAGEMENT DIRECTION/EMPHASIS

TIMBER HARVEST ACTIVITY ON THE INDIAN RIVER SALE AREA WILL CONTINUE. REGENERATION ACTIVITIES WILL CONTINUE. ROADS 7500 AND 7501 WILL BE LEFT OPEN FOLLOWING COMPLETION OF THE SALE ACTIVITY IN 1985. BRIDGE REPLACEMENT WILL BE SCHEDULED ON ROADS NO. 7500 AND 7501. INDIAN RIVER WILL BE STOCKED WITH KING SALMON. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 219-221 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
REFORESTATION	Y		VCU 220,221
NONSTR. HABITAT IMP.	Y		VCU 220-King Salmon Stock Indian River (112-42-08)
BRIDGES	Y	Y	VCU 220-Bridge Repl., Rds 8500,8500A,8501,8554
TIMBER STAND IMP.	Y		VCU 221
TIMBER SALE PREP.	Y	Y	VCU 219 APC 86-90 and 91-95
TIMBER SALE PREP.		Y	VCU 220,221 APC 91-95

STANDARDS AND GUIDELINES
 SEE 1976-81 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C33
MANAGEMENT AREA NAME LONG BAY

VCUS 228.0 229.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,480
HIGH VISUAL SENSITIVITY	5,127	5,127
MEDIUM VISUAL SENSITIVITY	2,408	2,408
BEACH FRINGE THROUGH 500 FEET	4,179	2,719
SPECIAL/UNIQUE AREAS	422	211
BALD EAGLE NESTING AREAS	1,460	837
TOTAL ACRES	41,890	11,174

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT EMPHASIS FOR THIS AREA WILL CONTINUE TO BE ON DISPERSED RECREATION THE POTENTIAL PLACEMENT OF A RECREATION CABIN WILL BE STUDIED THIS PERIOD FOR POSSIBLE IMPLEMENTATION IN THE FUTURE. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 228-229 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 228-Cabin at Long Bay

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C34
MANAGEMENT AREA NAME CRAB BAY

VCUS 230.0 231.0 232.0 233.0 234.0 246.0 247.0
LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	20,637
HIGH VISUAL SENSITIVITY	8,206	8,206
MEDIUM VISUAL SENSITIVITY	8,571	8,465
BEACH FRINGE THROUGH 500 FEET	11,249	7,440
SPECIAL/UNIQUE AREAS	400	400
BALD EAGLE NESTING AREAS	3,345	2,532
TOTAL ACRES	89,213	33,736

MANAGEMENT DIRECTION/EMPHASIS

THE 81-86 OPERATING PLAN HARVEST IN THE INBETWEEN CREEK AND FINGER CREEK SALE AREAS WILL CARRY OVER INTO THE 86-90 OPERATING PERIOD. THE AREA IS IN THE APC 86-90 STUDY AREA. THE FOREST SERVICE ADMINISTRATIVE CABIN IN CRAB BAY WILL BE PLACED ON THE RECREATION CABIN SYSTEM IN 1986. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
REFORESTATION	Y		VCU 230
RECREATION FACILITY	Y		VCU 233-Cabin
RECREATION FACILITY	Y		VCU 231-Cabin, Public Shelter, Little Saltery Bay
TIMBER SALE PREP.	Y	Y	VCU 230,246,247 - APC 86-90 and 91-95
TIMBER SALE PREP.		Y	VCU 231,232,234,246 APC 91-95
TIMBER STAND IMP.		Y	VCU 233,234

STANDARDS AND GUIDELINES
SEE 1976-81 AND 1981-86 OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C35					
MANAGEMENT AREA NAME	HOONAH SOUND					
VCUS	248.0	249.0	262.0	284.0	285.0	286.0
LUDS	3,4					

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	12,233
HIGH VISUAL SENSITIVITY	5,816	5,718
MEDIUM VISUAL SENSITIVITY	5,502	5,402
BEACH FRINGE THROUGH 500 FEET	8,621	5,035
SPECIAL/UNIQUE AREAS	629	315
BALD EAGLE NESTING AREAS	4,655	3,768
TOTAL ACRES	60,770	17,826

MANAGEMENT DIRECTION/EMPHASIS

THIS AREA IS IN THE APC 86-90 STUDY AREA. TRAIL OPPORTUNITIES TO CONNECT N. HOONAH SOUND WITH LISIANSKI INLET WILL BE STUDIED THIS PERIOD FOR POSSIBLE IMPLEMENTATION IN FUTURE YEARS. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCU 286 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y	Y	VCU 249,262,285 - APC 86-90 and 91-95
TRAIL CONST.	Y	Y	VCU 262-North Hoonah Sound to Pelican
TIMBER SALE PREP.		Y	VCU 248,286 APC 91-95

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C36
 MANAGEMENT AREA NAME KADASHAN

VCUS 235.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	12,084
HIGH VISUAL SENSITIVITY	1,740	1,740
MEDIUM VISUAL SENSITIVITY	1,160	1,160
BEACH FRINGE THROUGH 500 FEET	2,997	1,547
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	97	97
TOTAL ACRES	33,641	17,787

MANAGEMENT DIRECTION/EMPHASIS

THE DRAINAGE IS IN THE APC 86-90 STUDY AREA. THE FALSE ISLAND/KOOK LAKE ROAD NO. 7540 WILL BE COMPLETED TO PROVIDE ADMINISTRATIVE ACCESS BETWEEN FALSE ISLAND AND CORNER BAY. MINOR HARVEST WILL OCCUR ALONG ROAD 7540 TO SALVAGE BLOWDOWN. THE FALSE ISLAND/KOOK LAKE ROAD NO. 7540 R/W VOLUME, 2MMBF, WILL BE SOLD DURING THE 86-90 PERIOD. THE KADASHAN WATER MONITORING PROJECT WILL CONTINUE THROUGH THE 86-90 PERIOD. THE KADASHAN ADMINISTRATIVE CABIN AND ADF&G AND FORESTRY SCIENCE LAB CABINS WILL REMAIN AND BE UTILIZED THROUGH THE 86-90 PERIOD. RESEARCH IN BROWN BEAR HABITAT AND SALMON REARING WILL CONTINUE THROUGH THE PERIOD. OPPORTUNITIES TO MANAGE ROAD USE FOR PROTECTION OF THE BROWN BEAR POPULATION WILL BE INVESTIGATED. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCU 235 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y	Y	VCU 235
TIMBER SALE PREP.	Y		VCU 235-Kadashan R/W TS; 2MMBF; initiated 84; offered 85
TIMBER SALE PREP.	Y	Y	VCU 235-APC 86-90 and 91-95
ROAD CONSTRUCTION	Y		VCU 235-11 Miles
STR. HABITAT IMP.	Y	Y	VCU 235-Road closure device for seasonal traffic control

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C37
 MANAGEMENT AREA NAME CORNER BAY

VCUS 236.0 237.0 238.0 239.0 240.0 241.0 242.0 243.0 244.0
 245.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	55,942
HIGH VISUAL SENSITIVITY	19,315	18,919
MEDIUM VISUAL SENSITIVITY	34,114	34,010
BEACH FRINGE THROUGH 500 FEET	15,597	13,479
SPECIAL/UNIQUE AREAS	104	104
BALD EAGLE NESTING AREAS	7,168	6,252
 TOTAL ACRES	 135,542	 78,504

MANAGEMENT DIRECTION/EMPHASIS

FOREST SERVICE ADMINISTRATIVE SITES AND INDUSTRIAL CAMP SITES WILL BE MAINTAINED AT CORNER BAY AND FALSE ISLAND. THE FALSE ISLAND/KOOK LAKE ROAD NO. 7540 WILL BE TIED THROUGH TO PROVIDE ADMINISTRATIVE ACCESS BETWEEN THE WORK CENTER AND CAMP SITES. THE AREA IS IN THE APC 86-90 STUDY AREA. FISH AND WILDLIFE ENHANCEMENT PROJECTS ARE SCHEDULED BETWEEN 1986-90. RECREATIONAL OPPORTUNITIES AT SITKOH AND KOOK LAKES WILL BE EMPHASIZED. A TRAIL IS PLANNED TO CONNECT KOOK LAKE WITH ROAD NO. 7540. CONTINUE TO PERMIT RESEARCH CABINS FOR ADF&G, FSL, AND NMFS IN VCU 237. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		VCU 236-Corner Bay Blowdown Salvage sale 6MMBF; Initiated 82; offered 85
ADMIN. FACILITY	Y		VCU 236-Corner Bay Breakwater and boat dock
ADMIN. FACILITY	Y		VCU 236-Corner Bay Warehouse Remodel
BRIDGES		Y	VCU 236-Bridge Replacement, road construction. 7540 & 7546
TIMBER STAND IMP.	Y	Y	VCU 236,237,245-Past Timber Sale
ADMIN. FACILITY	Y		VCU 236-Corner Bay Workcenter electrical
TRAIL CONST.	Y		VCU 239-Kook Lake
NONSTR. HABITAT IMP.	Y		VCU 242-Whiterock Crk Rearing Hab. (112-12-05)
STR. HABITAT IMP.	Y		VCU 242-Whiterock Fish Passage (112-12-05)
NONSTR. HABITAT IMP.	Y		VCU 243-Sitkoh Bay Stream (113-59-07) Rearing Habitat improvement
TIMBER SALE PREP.	Y		VCU 243,244,245-Todd Blowdown TS; 5MMBF; Initiated 82; to be offered 86

MGMT ACTIVITIES	1985-89/FUTURE		REMARKS
	PLAN PERIODS		
TIMBER STAND IMP.	Y	Y	VCU 245
ADMIN. FACILITY	Y		VCU 245-False Island Complex Design
ADMIN. FACILITY	Y		VCU 245-False Island TIF and Dock
ADMIN. FACILITY	Y		VCU 245-False Island Fuel Storage
ADMIN. FACILITY	Y		VCU 245-False Island Water Storage reconstruction
ADMIN. FACILITY	Y		VCU 245-False Island garage and warehouse.
STR. HABITAT IMP.	Y	Y	VCU 236-Corner Creek Fish Ladder maintenance
TIMBER SALE PREP.	Y	Y	VCU 236,237,238,239,242,243-APC 86-90 and 91-95
TIMBER SALE PREP.		Y	VCU 240,241,244,245 APC 91-95

STANDARDS AND GUIDELINES
SEE 1976-81 AND 1981-86 ALP OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C38 (SITKA RANGER DISTRICT PORTION)
MANAGEMENT AREA NAME WEST CHICHAGOF

VCUS	263.0	264.0	265.0	266.0	267.0	268.0	269.0	270.0
	271.0	272.0	273.0	274.0	275.0	276.0	277.0	278.0
LUDS	1							

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	38,989
HIGH VISUAL SENSITIVITY	25,270	24,888
MEDIUM VISUAL SENSITIVITY	8,802	8,705
BEACH FRINGE THROUGH 500 FEET	59,654	26,728
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	23,895	12,525
TOTAL ACRES	226,879	69,906

MANAGEMENT DIRECTION/EMPHASIS

THE WILDERNESS WILL BE MANAGED TO PROTECT WILDERNESS VALUES. A MAJOR EMPHASIS AREA FOR THE 85-89 PERIOD WILL BE THE VALIDATION OF EXISTING CLAIMS. ACCESS FOR THE PLANNED START UP OF MINING ACTIVITIES ON THE CHICHAGOF MINE WILL REQUIRE ANALYSIS DURING THE 85-89 PERIOD. FURTHER MANAGEMENT DIRECTION IS SUPPLIED IN W. CHICHAGOF-YAKOBI MANAGEMENT DIRECTION TO BE COMPLETED IN 1986. IMPLEMENTATION OF THIS DIRECTION AND MONITORING OF WILDERNESS USE WILL BEGIN DURING THE 1985-89 PERIOD. FEASIBILITY STUDIES ON STRUCTURAL FISHERIES ENHANCEMENT PROJECTS WILL BE INVESTIGATED IN SEVERAL VCU'S WHERE OPPORTUNITIES TO CONTRIBUTE TO REGIONAL COOPERATIVE SALMON MANAGEMENT OBJECTIVES EXIST.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
LAND ADJUSTMENT	Y		VCU ALL-Mineral Exploration Doolth Mt. Claim, L/S Mine Plan of Ops., EXVENCO-2 Plans of Ops. & Special Use Permit Admin.
NONSTR. HABITAT IMP.	Y	Y	VCU 265-Salmon Stocking (Coop/Aquiculture)
STR. HABITAT IMP.	Y	Y	VCU 263,268,272,275,276,277- FISH pass construction Goulding River, Goon Dip River, and Falls Creek.
NONSTR HABITAT IMP.	Y		VCU 278-Suloia Sportfish stocking.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C39
 MANAGEMENT AREA NAME USHK BAY

VCUS 280.0 281.0 282.0 283.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	16,921
HIGH VISUAL SENSITIVITY	7,902	7,721
MEDIUM VISUAL SENSITIVITY	2,795	2,795
BEACH FRINGE THROUGH 500 FEET	8,998	6,355
SPECIAL/UNIQUE AREAS	398	398
BALD EAGLE NESTING AREAS	2,484	1,653
TOTAL ACRES	84,727	28,759

MANAGEMENT DIRECTION/EMPHASIS

THE MANAGEMENT AREA IS IN THE 86-90 STUDY AREA. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 282-283 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONST.		Y	VCU 280,281-Deep Bay Pre-Rd 3 Mi
TIMBER STAND IMP.		Y	VCU 280,281,282,283
ROAD CONST.		Y	VCU 283-Patterson Bay Pre-Rd 6 Mi
TIMBER SALE PREP.	Y	Y	VCU 280,281,282,283-APC 86-90 AND 91-95
RECREATION FACILITY	Y		VCU 281-Ushk Bay day use shelter.
REFORESTATION	Y	Y	VCU 280,281,282,283

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C40
 MANAGEMENT AREA NAME NEVA-OLGA STRAITS

VCUS 279.0 287.0 288.0 289.0 290.0 299.0 300.0 301.0 302.0 312.0
 313.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	37,869
HIGH VISUAL SENSITIVITY	53,651	52,881
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	30,292	19,449
SPECIAL/UNIQUE AREAS	412	312
BALD EAGLE NESTING AREAS	10,002	7,055
TOTAL ACRES	179,455	67,208

MANAGEMENT DIRECTION/EMPHASIS

THIS AREA IS IN THE APC 86-90 STUDY AREA. WILDLIFE HABITAT IMPROVEMENT OPPORTUNITIES FOR SITKA BLACKTAIL DEER WILL BE EMPHASIZED IN CONJUNCTION WITH TSI ACTIVITIES. THE RECONSTRUCTION OF THE FISH BAY TRAIL NO. 477 TO THE FISH BAY HOT SPRINGS WILL BE STUDIED ALONG WITH POTENTIAL DEVELOPMENT OF A RECREATION FACILITY AT THE HOT SPRINGS DURING THE 85-89 PERIOD. TSI ACTIVITIES WILL CONTINUE IN PREVIOUSLY HARVESTED AREAS. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
TIMBER STAND IMP.	Y	Y	VCU 287,290,299,300,301,302,313
RECREATION FACILITY	Y		VCU 287-Fish Bay Hot Springs
TRAIL CONST.	Y		VCU 287-Fish Bay Hot Springs Trail
NONSTR. HABITAT IMP.	Y		VCU 289-Wildlife Hab. Second Growth Thinning
REFORESTATION	Y	Y	VCU 287,299,312,313
NONSTR. HABITAT IMP.	Y		VCU 301-Wildlife Hab. Second Growth Thinning
NONSTR. HABITAT IMP.	Y		All-Fish Hab. Rest. Bridge & Culvert Removal
NONSTR. HABITAT IMP.	Y	Y	VCU 313-Deer Hab. Imp., Tmbr Thinning, Katlian
TIMBER SALE PREP.	Y	Y	VCU 279-APC 86-90 AND 91-95
TIMBER SALE PREP.		Y	VCU 287,288,289,290,299,300,301,302,312,313 APC 91-95

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C41
 MANAGEMENT AREA NAME RODMAN BAY

VCUS 291.0 292.0 293.0 294.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	21,306
HIGH VISUAL SENSITIVITY	25,255	25,146
MEDIUM VISUAL SENSITIVITY	7,623	7,623
BEACH FRINGE THROUGH 500 FEET	10,407	8,860
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,749	2,807
 TOTAL ACRES	 73,841	 39,144

MANAGEMENT DIRECTION/EMPHASIS

TIMBER STAND IMPROVEMENT ACTIVITIES WILL CONTINUE ON PREVIOUSLY HARVESTED AREAS. WILDLIFE HABITAT IMPROVEMENT OPPORTUNITIES FOR SITKA BLACKTAIL DEER WILL BE EMPHASIZED IN CONJUNCTION WITH TSI ACTIVITIES. OPPORTUNITIES FOR FISHERY HABITAT ENHANCEMENT INCLUDING BRIDGE AND CULVERT REMOVAL ON OLD ROAD SYSTEMS AND REARING HABITAT DEBRIS MANAGEMENT WILL BE PURSUED DURING THE 85-89 PERIOD. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y	Y	VCU 291,292,293,294
NONSTR. HABITAT IMP.	Y		VCU All-Fish habitat restoration. bridge & culvert removal
BRIDGES	Y	Y	VCU 291
STR. HABITAT IMP.	Y	Y	VCU 292-Deer habitat improvement. timber thinning
SOIL STABILIZATION	Y		VCU 293
NONSTR. HABITAT IMP.	Y		VCU All-Rearing habitat debris addition
TIMBER SALE PREP.		Y	VCU 291,292,293,294 APC 91-95
REFORESTATION		Y	VCU 292,294

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C42
 MANAGEMENT AREA NAME LAKE EVA

VCUS 295.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	3,025
HIGH VISUAL SENSITIVITY	3,415	3,415
MEDIUM VISUAL SENSITIVITY	1,073	1,073
BEACH FRINGE THROUGH 500 FEET	878	781
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	293	293
 TOTAL ACRES	 12,100	 4,684

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT EMPHASIS FOR THIS AREA WILL CONTINUE TO FAVOR DISPERSED RECREATION AND FISHERY ENHANCEMENT. MANAGEMENT OF THE LAKE EVA RECREATION CABIN FOR HANDICAPPED PERSON USE WILL CONTINUE. THE EXISTING TRAIL WILL NOT BE EXTENDED AROUND THE LAKE TO THE RECREATION CABIN. THE TRAIL WILL BE RECONSTRUCTED FROM THE LAKE OUTLET TO THE ADIRONDACK SHELTER AT THE INLET DURING THE 85-89 PERIOD. THE ADIRONDACK SHELTER WILL BE MAINTAINED. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
TRAIL CONST.	Y	VCU 295-Lake Eva Trail to Adirondack shelter

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	C43				
MANAGEMENT AREA NAME	KELP BAY				
VCUS	296.0	297.0	298.0	314.0	315.0
LUDS	3,4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	27,812
HIGH VISUAL SENSITIVITY	30,081	30,081
MEDIUM VISUAL SENSITIVITY	2,067	2,067
BEACH FRINGE THROUGH 500 FEET	18,887	15,399
SPECIAL/UNIQUE AREAS	119	119
BALD EAGLE NESTING AREAS	6,973	5,630
TOTAL ACRES	103,522	36,624

MANAGEMENT DIRECTION/EMPHASIS

PREVIOUSLY PLANNED HARVEST FOR THE APC 76-81 AND 81-86 OPERATING PERIODS WILL BE CARRIED FORWARD FOR FUTURE HARVEST. THE FOREST SERVICE ADMINISTRATIVE CABINS IN VCU 315 WILL BE PLACED ON THE RECREATION CABIN SYSTEM DURING THE 85-89 PERIOD. SALVAGE HARVEST UNDER A RANGER SALES PROGRAM WILL BE ENCOURAGED FOR BEACH LOGS. TSI ACTIVITIES WILL CONTINUE ON PREVIOUSLY HARVESTED AREAS. THE FOREST SERVICE ADMININSTRATIVE CABIN IN VCU 296 WILL BE STUDIED FOR RELOCATION TO A NEW SITE FOR POTENTIAL INCLUSION ON THE RECREATION CABIN PROGRAM. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
TIMBER STAND IMP.	Y	Y	VCU 296,297
TIMBER SALE PREP.	Y		VCU 297-Catherine Island Timber sale 23MMBF initiated 81; offered 85.
TIMBER SALE PREP.		Y	VCU 296,297,298,314,315-APC 91-95
RECREATION FACILITY	Y	Y	VCU 315-Cabin

STANDARDS AND GUIDELINES
SEE 1976-81 AND 1981-86 ALP OPERATING PLANS

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C44
 MANAGEMENT AREA NAME UPPER KRUZOF

VCUS 303.0 304.0 305.0 306.0 307.0 309.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	29,486
HIGH VISUAL SENSITIVITY	29,250	29,250
MEDIUM VISUAL SENSITIVITY	6,895	6,820
BEACH FRINGE THROUGH 500 FEET	23,098	16,848
SPECIAL/UNIQUE AREAS	192	192
BALD EAGLE NESTING AREAS	7,188	5,698
 TOTAL ACRES	 63,071	 39,787

MANAGEMENT DIRECTION/EMPHASIS

MAINTENANCE OF THE EAGLE RIVER FISH PASS AND SUPPORT OF THE NSRAA LAKE STOCKING PROGRAM WILL CONTINUE. BRIDGE AND CLUVERT REMOVAL OPPORTUNITIES ON OLD ROAD SYSTEMS WILL BE ANALYZED DURING THE 85-89 PERIOD. OPPORTUNITIES TO DEVELOP A RECREATION CABIN AT SEA LION COVE WILL BE STUDIED DURING THE 85-89 PERIOD.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y	Y	VCU 303,304,305,306,307,309
STR. HABITAT IMP.	Y		VCU 303-Stream 113-62-05 Fish passage Eagle River completed 1985
STR. HABITAT IMP.	Y	Y	VCU 303-Bridge Removal
NONSTR. HABITAT IMP.	Y		VCU 305-Sea Lion Cove Lake Salmon stocking (Coop/Aquiculture)
RECREATION FACILITY		Y	VCU 305-Sea Lion Cove Cabin or shelter
SOIL STABILIZATION	Y		VCU 305-Past TS and Natural Slides
BRIDGES	Y	Y	VCU 307-Bridge Replacement
STR. HABITAT IMP.	Y	Y	VCU 303-Eagle River Fish Ladder maintenance
TIMBER SALE PREP.		Y	VCU 303,304,305,306,307,309 APC 91-95
RECREATION FACILITY	Y	Y	VCU 306-Gilmer Bay cabin or shelter.
NONSTR. HABITAT IMP	Y	Y	VCU 303-Partofshikof second growth management

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C45
MANAGEMENT AREA NAME MT. EDGE CUMBE

VCUS 308.0
LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	8,688
HIGH VISUAL SENSITIVITY	16,928	16,928
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	15,505	7,565
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,697	1,947
TOTAL ACRES	52,882	18,276

MANAGEMENT DIRECTION/EMPHASIS

THE EXISTING RECREATION CABINS WILL BE MAINTAINED. THE MT. EDGE CUMBE TRAIL NO. 520 WILL CONTINUE TO BE MANAGED AS A NATIONAL RECREATION TRAIL. TSI ACTIVITY WILL CONTINUE. THE MUD BAY ROAD SYSTEM WILL BE MANAGED AS FOREST DEVELOPMENT ROADS. THE ORV CLOSURE AT IRIS MEADOWS WILL RECEIVE MANAGEMENT EMPHASIS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y	Y	VCU 308
RECREATION FACILITY	Y		VCU 308-Mud Bay Mooring Buoy
TIMBER SALE PREP.		Y	VCU 308; APC 90-95

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C46
 MANAGEMENT AREA NAME SITKA

VCUS 310.0 311.0
 LUDS 3 (SPECIAL)

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,876
HIGH VISUAL SENSITIVITY	11,939	11,711
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	3,358	3,248
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,743	1,627
TOTAL ACRES	18,859	11,828

MANAGEMENT DIRECTION/EMPHASIS

A RANGER SALES PROGRAM WILL CONTINUE TO PROVIDE PRODUCTS FOR LOCAL USE. ALTHOUGH THE TIMBER BASE WILL REMAIN UNREGULATED. DEVELOPMENT AND DISPERSED RECREATIONAL OPPORTUNITIES AT HARBOR MOUNTAIN WILL BE STUDIED DURING THE 85-89 PERIOD TO RESOLVE PROBLEMS WITH COMPETING USES. A COOPERATIVE PROJECT TO ENHANCE THE STEELHEAD FISHERY ON INDIAN RIVER WILL BE STUDIED DURING THE 85-89 PERIOD.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 311-Starrigavan Water System Const.
RECREATION FACILITY	Y	Y	VCU 311-Stargavin Campground expansion
RECREATION FACILITY	Y		VCU 311-Is. Displays at Ferry Terminal & Airport.
BRIDGES		Y	VCU 311-Bridge Replacement, Road 7578
TRAIL CONST.	Y		VCU 311-Indian River-Harbor Mt. Trail
ADMIN. FACILITY	Y		VCU 311-Sitka Boat Dock Float Replacement
ADMIN. FACILITY	Y		VCU 311-Cascade Creek Parking Paving
ADMIN. FACILITY	Y		VCU 311-Sitka Boat Dock Driveway Paving
ADMIN. FACILITY	Y		VCU 311-WCF Vehicle and Boat Yard Fenced
ADMIN. FACILITY	Y		VCU 311-Sitka Airplane Float & Dispatch Off.
NONSTR. HABITAT IMP.	Y		VCU 311-Indian River (113-41-19) Steelhead Stocking (Coop/ADF&G)
RECREATION FACILITY	Y		VCU 311-Harbor Mountain fence const.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C47
 MANAGEMENT AREA NAME HIDDEN FALLS

VCUS 316.0 317.0 325.0 326.0 327.0 328.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	781
HIGH VISUAL SENSITIVITY	6,398	6,283
MEDIUM VISUAL SENSITIVITY	230	230
BEACH FRINGE THROUGH 500 FEET	4,401	1,677
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,502	1,867
 TOTAL ACRES	 100,339	 9,097

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT EMPHASIS FOR THIS AREA WILL FAVOR RECREATION AND FISHERY ENHANCEMENT OPPORTUNITIES. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN ALL VCUS IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
TRAIL CONSTRUCTION	Y	VCU 326-Cross Baranof trail.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C48
 MANAGEMENT AREA NAME SILVER BAY

VCUS 318.0 319.0 320.0 321.0 322.0 323.0 324.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	14,089
HIGH VISUAL SENSITIVITY	29,417	18,383
MEDIUM VISUAL SENSITIVITY	4,806	1,139
BEACH FRINGE THROUGH 500 FEET	8,837	7,127
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,566	3,116
TOTAL ACRES	80,665	28,180

MANAGEMENT DIRECTION/EMPHASIS

TIMBER STAND IMPROVEMENT ACTIVITIES WILL CONTINUE ON PREVIOUSLY HARVESTED AREAS. A RANGER SALES PROGRAM WILL CONTINUE TO PROVIDE PRODUCTS FOR LOCAL USE. NO MAJOR HARVEST ACTIVITY IS PLANNED DURING THE 85-89 PERIOD. KIZUCHIA CREEK VCU 321, WILL CONTINUE UNDER A COOPERATIVE AGREEMENT WITH THE ALASKA NATIONAL GUARD TO BE USED AS AN AREA FOR LOCAL TRAINING EXERCISES. DEVELOPED AND DISPERSED RECREATION OPPORTUNITIES WILL BE EMPHASIZED IN CONJUNCTION WITH STATE AND CITY PROGRAMS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		VCU 318-Beaver Lake Trail and Blue Lake Trail Reconstruction.
TIMBER STAND IMP.	Y	Y	VCU 319 through 324.
STR. HABITAT IMP.	Y	Y	VCU 321-Fish Ladder Maintenance, Kizuchin Creek
TRAIL CONST.	Y		VCU 324-Lucky Chance Trail Reconst.
TRAIL CONST.		Y	VCU 325-Redoubt Lake Trail Reconst.
TIMBER SALE PREP.		Y	VCU 318,319,320,321,322,323,324;APC 91-95
RECREATION FACILITY	Y		VCU 320-Sam Sing cabin/shelter construction

STANDARDS AND GUIDELINES
 SEE 1976-81 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C49
 MANAGEMENT AREA NAME SOUTH BARANOF

VCUS 329.0 330.0 331.0 332.0 333.0 344.0 345.0 346.0 347.0 348.0
 LUDS 1

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	13,833
HIGH VISUAL SENSITIVITY	28,205	28,205
MEDIUM VISUAL SENSITIVITY	9,070	9,070
BEACH FRINGE THROUGH 500 FEET	47,109	16,981
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	23,088	10,953
TOTAL ACRES	304,653	49,921

MANAGEMENT DIRECTION/EMPHASIS

THE WILDERNESS WILL BE MANAGED TO PROTECT WILDERNESS VALUES. FISHERY ENHANCEMENT UNDER APPROVED PROGRAMS WILL CONTINUE. FURTHER MANAGEMENT DIRECTION IS SUPPLIED IN THE SOUTH BARANOF WILDERNESS MANAGEMENT PLAN ENVIRONMENTAL ASSESSMENT, 1983. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 329-333 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTR. HABITAT IMP.	Y		VCU 330-Falls Lake Fertilization
NONSTR. HABITAT IMP.	Y	Y	VCU 333-Salmon Stocking (Coop/Aquaculture)
NONSTR. HABITAT IMP.		Y	VCU 346-Benzeman Lake Fertilization
STR. HABITAT IMP.		Y	VCU 348-Ekaterina Creek Fish Passage
NONSTR. HABITAT IMP.		Y	VCU 348-Lake Ekaterina Fertilization
STR. HABITAT IMP.	Y		VCU 330-Falls Lake Fish Passage

STANDARDS AND GUIDELINES

SEE THE APPROVED WILDERNESS MANAGEMENT PLAN FOR SOUTH BARANOF

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C50
 MANAGEMENT AREA NAME REDOUBT LAKE

VCUS 349.0 350.0 351.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,049
HIGH VISUAL SENSITIVITY	4,940	4,872
MEDIUM VISUAL SENSITIVITY	1,023	1,023
BEACH FRINGE THROUGH 500 FEET	10,452	3,409
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,505	3,410
 TOTAL ACRES	 40,211	 9,193

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT EMPHASIS FOR THIS AREA WILL FAVOR RECREATION AND FISHERY ENHANCEMENT OPPORTUNITIES.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS 1985-89/FUTURE	REMARKS
NONSTR. HABITAT IMP.	Y	VCU 350-Lake Fertilization Redoubt Lake
RECREATION FACILITY	Y	VCU 350-Repair Boat Tramway Reconst.
TRAIL CONST.	Y	VCU 350-Salmon - Redoubt Lake Trail Reconst.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER C51
 MANAGEMENT AREA NAME PORT ALEXANDER

VCUS 334.0 335.0 336.0 337.0 338.0 339.0 340.0 341.0 342.0 343.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	6,244
HIGH VISUAL SENSITIVITY	12,135	11,959
MEDIUM VISUAL SENSITIVITY	11,038	10,590
BEACH FRINGE THROUGH 500 FEET	25,311	12,249
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	10,358	6,031
 TOTAL ACRES	 119,780	 26,407

MANAGEMENT DIRECTION/EMPHASIS

MANAGEMENT EMPHASIS FOR THIS AREA WILL FAVOR RECREATION AND FISHERY ENHANCEMENT OPPORTUNITIES. BEACH LOG SALVAGE OPERATIONS MAY TAKE PLACE IN VCUS 334-338 IN BOTH TIME PERIODS.

MANAGEMENT ACTIVITIES SCHEDULED

MGMT ACTIVITIES	TIME PERIODS	REMARKS
	1985-89/FUTURE	
NONSTR. HABITAT IMP.	Y	VCU 334,335,336,337,338,339-Salmon Stock (Coop/Aquaculture & NMFS)
STR. HABITAT IMP.	Y	VCU 341-Stream 113-12-02 Fish Passage Big-Branch Bay.

STIKINE AREA

PETERSBURG RANGER DISTRICT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S01				
MANAGEMENT AREA NAME	FANSHAW				
VCUS	85.0	86.0	87.0	88.0	89.0
LUDS	4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	11,552
HIGH VISUAL SENSITIVITY	9,410	5,211
MEDIUM VISUAL SENSITIVITY	19,866	8,996
BEACH FRINGE THROUGH 500 FEET	2,274	1,931
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,151	2,151
TOTAL ACRES	50,357	23,351

MANAGEMENT DIRECTION/EMPHASIS

Major use will be associated with timber harvesting. Land based recreation opportunities are limited in comparison to other management areas in proximity due to lack of access. Principle constraints on size and patterns of cut-over units will be in accord with visual resource requirements to minimize background visual effect from the marine highway route in Fredrick Sound. Management and protection of the Fanshaw Research Natural Area will be emphasized. A-frame and non-normal yarding systems will need to be employed to realize full potential of productive timber areas. Wildlife and fish enhancement projects will be implemented as needed and funded.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 89 - NORTH ARM CABIN
STRUC. HABITAT IMP.	Y		VCU 89 - CAT CREEK FISHWAY PENDING EVALUATION
NONSTRUC. HABITAT IMP.	Y	Y	VCU 89 - MOOSE RANGE IMP.
SOIL STABILIZATION		Y	VCU 85, 86, 87, 88, 89

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S02
MANAGEMENT AREA NAME FARRAGUT

VCUS 90.0
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	7,037
HIGH VISUAL SENSITIVITY	3,558	2,345
MEDIUM VISUAL SENSITIVITY	13,344	6,470
BEACH FRINGE THROUGH 500 FEET	404	404
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,456	1,456
TOTAL ACRES	27,902	14,962

MANAGEMENT DIRECTION/EMPHASIS

Management will emphasize those opportunities associated with the recreation use of waterfowl, wildlife and fisheries and boating. Commercial recreation opportunities exist. There is some private land at the head of the bay and the State has selected Read Island. Wildlife and fish enhancement projects will be implemented as needed and funded.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 90 - CABIN
NONSTRUC. HABITAT IMP.	Y	Y	VCU 90 - MOOSE HAB. IMP.

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S03					
MANAGEMENT AREA NAME	BAIRD					
VCUS	91.0	92.0	481.0	482.0	485.0	488.0
LUDS	1-RELEASE					

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	390
HIGH VISUAL SENSITIVITY	14,916	3,906
MEDIUM VISUAL SENSITIVITY	28,050	1,842
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	411	411
TOTAL ACRES	428,376	14,105

MANAGEMENT DIRECTION/EMPHASIS

Permanent snowfields, rock and glaciers dominate. Much of the recreation opportunity is associated with glacier mountaineering. Lowland and upper alpine valleys offer hiking, fishing and hunting opportunities. Emphasis will be on managing these resources in conformance with LUD I direction until 1989. Activities will be largely custodial. Scenery creek is one of six most logical access areas to the Stikine-LeConte Wilderness. Established uses will be permitted unless contrary to ANILCA direction for wilderness areas.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 482 - BROWSE PLANTING

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S04
 MANAGEMENT AREA NAME N. KUIU

VCUS 398.0 399.0 400.0 401.0 402.0 421.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	58,632
HIGH VISUAL SENSITIVITY	26,923	17,602
MEDIUM VISUAL SENSITIVITY	42,138	30,497
BEACH FRINGE THROUGH 500 FEET	8,726	8,593
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	13,986	13,500
 TOTAL ACRES	 145,282	 98,088

MANAGEMENT DIRECTION/EMPHASIS

Extensive timber harvesting from both independent and long-term sales has occurred since 1963. As a primary area for the Alaska Pulp Company's sale, it will, over the long term, be managed to support a substantial portion of that mills pulp wood requirements. Both normal and modified timber management practices will be required to achieve the full productivity of the land base. There will be an opportunity, over extensive areas, for management of second growth timber stands. About 17 percent of the area is alpine which offers a substantial recreation opportunity which may be enhanced when significant use warrants. Minerals, sport and commercial fisheries, and commercial recreation opportunities will receive increasing management emphasis over the long term as use demands increase. The transportation management objective is to have an interconnected road system throughout the island where economically and environmentally feasible. Rowen Bay will be a major work center for management, development and use of resources over a major portion of Kuiu Island for the foreseeable future.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 398, 399, 400, 402, 421
NONSTRUC. HABITAT IMP.	Y	Y	VCU 398, 399, 400, 401, 402, 421 - SEEDING, PLANTING, THINNING
TIMBER STAND IMP.	Y	Y	VCU 398, 399, 400, 402, 421
REFORESTATION	Y	Y	VCU 398, 399, 400, 401, 402, 421
SOIL STABILIZATION	Y	Y	VCU 398, 399, 400, 401, 402, 421
ROAD CONST.	Y	Y	VCU 398, 399, 400, 402, 421, 177 MILES (APC LONG TERM--INCLUDES S08 & S09)
TIMBER SALE PREP.	Y	Y	VCU 398, 399, 400, 402, 421 - APC LONG TERM SALE

SEE 1976-81 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S05
 MANAGEMENT AREA NAME PILLARS

VCUS 403.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	10,376
HIGH VISUAL SENSITIVITY	5,671	4,705
MEDIUM VISUAL SENSITIVITY	11,085	7,669
BEACH FRINGE THROUGH 500 FEET	3,287	3,222
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,965	2,965
TOTAL ACRES	28,227	18,238

MANAGEMENT DIRECTION/EMPHASIS

This management area is a heavily forested coastal bay with several islands near its entrance and enclosed by steep terrain. A large salt chuck and Kutlaku Lake are distinctive physical, recreational and visual characteristics. A road through the northern part of the area is the principle access route between Rowan Bay and the east side of Kuiu Island. Approximately 2 mmbf of timber was harvested in the area under the 1976-81 ALP operating plan and a minor additional amount was cut for the road right-of-way. No other timber will be harvested. Management will emphasize potential enhancement of wildlife and fish resources, primarily the sockeye salmon runs of Kutlaku Lake, and the recreation opportunities in the area.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y	Y	VCU 403 - CABIN
STRUC. HABITAT IMP.	Y		VCU 403 - KUTLAKU CR. BEAVER DAMS
STRUC. HABITAT IMP.		Y	VCU 403 - KUTLAKU LK.
STRUC. HABITAT IMP.	Y		VCU 403 - KWATAHEIN CR.
NONSTRUC. HABITAT IMP.		Y	VCU 403 - DEER RANGE MITIGATION
TRAIL CONST.	Y	Y	VCU 403 - CANOE PORTAGE

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S06
 MANAGEMENT AREA NAME TEBENKOF

VCUS 404.0 405.0 405.1 406.0 407.0
 LUDS 1-WILDERNESS, LUD 1 RELEASE

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	22,018
HIGH VISUAL SENSITIVITY	17,864	13,237
MEDIUM VISUAL SENSITIVITY	16,869	9,753
BEACH FRINGE THROUGH 500 FEET	10,198	10,125
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	9,188	9,188
LUD 1 RELEASE	1,651	
 TOTAL ACRES	 65,996	 39,229

MANAGEMENT DIRECTION/EMPHASIS

The management area is an expansive outer island coastal bay, open to Chatham Strait and comparable to a seacoast marine environment. The area encloses large bays, Alecks Lake which is one of Kuiu Islands' larger lakes, numerous fishing streams, anchorages and smaller islands. The area will be managed as wilderness under the Tebenkof Wilderness Management Plan. The LUD 1 Release area will be managed under LUD 1 direction until reallocation or until an appropriate NEPA review is accomplished on proposed actions outside the allowance of LUD 1.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
STRUC. HABITAT IMP.	Y		VCU 407 - WOLF CREEK FISHWAY
TRAIL CONST.	Y	Y	VCU 405, 407 - CANOE PORTAGE

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S07
 MANAGEMENT AREA NAME S. KUIU

VCUS 408.0 409.0 410.0 411.0 412.0 413.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	13,910
HIGH VISUAL SENSITIVITY	30,379	17,804
MEDIUM VISUAL SENSITIVITY	38,914	16,876
BEACH FRINGE THROUGH 500 FEET	136	136
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	9,063	9,000
TOTAL ACRES	82,208	39,185

MANAGEMENT DIRECTION/EMPHASIS

The areas' dominant characteristics are of an outer island coastal system with numerous harbors, coves, bays, ports, and canals with many anchorages utilized largely by commercial fishermen. Approximately half of the area is commercially forested but land forms are not suited to an extensive interconnected road system. The area is part of the APC contingency area and over the long term will require substantial investment to capture full timber resource potential. In the short run the more easily accessed timber will be harvested through independant sales. A-frame yarding systems and the use of non-normal yarding systems will be needed to a high degree in order to achieve the potential yield. Other resources, while present, are neither unique, extensive or readily accessible by small boats, and except where opportunities are otherwise identified, the management of other resources will largely be custodial.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 408, 409, 410, 411,
NONSTRUC. HABITAT IMP.		Y	VCU 408, 409, 410, 411, 412, 413
REFORESTATION	Y	Y	VCU 408, 409, 410, 411, 412, 413
TIMBER STAND IMP.	Y	Y	VCU 408, 409, 410, 411, 412, 413
SOIL STABILIZATION	Y	Y	VCU 408, 409, 410, 411, 412, 413
ROAD CONST.	Y	Y	VCU 408, 410, 411,
TRAIL CONST.	Y	Y	VCU 408, 409, 410, 411, 412, 413 - CANOE PORTAGE
TIMBER SALE PREP.	Y		VCU 408 - MALMESBURY SALE, 13-17 MMBF TO BE SOLD 1989
TIMBER SALE PREP.	Y		VCU 409, 410, 411, 412, 413 - SMALL SALES, .5-1 MMBF, TO BE SOLD 1987-89
TIMBER SALE PREP.	Y		VCU 409, 413 - KUIU A-FRAME SALE, 4-6 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 409, 411-413 - AFFLECK A-FRAME SALE, 3-5 MMBF, TO BE SOLD 1987

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S08
 MANAGEMENT AREA NAME BEAUCLERC

VCUS 414.0 415.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	9,563
HIGH VISUAL SENSITIVITY	17,501	8,895
MEDIUM VISUAL SENSITIVITY	11,571	6,265
BEACH FRINGE THROUGH 500 FEET	1,164	1,164
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,880	4,796
TOTAL ACRES	40,404	19,509

MANAGEMENT DIRECTION/EMPHASIS

Port Beauclerc is the dominant feature of this management area. Road development will be difficult and it is doubtful if an interconnection with the road from management area S09 can be made. It is assumed that use of the areas' recreational, fish, wildlife and timber will be water-oriented for the life of the Forest Plan. The area is part of the APC contingency area and management emphasis will be on the development of the timber resource through independent sales and under the APC long-term sale. The use of A-frame systems and short roads from numerous beach-heads will probably be required to harvest substantial portions of the area. Enhancement of dispersed recreation and fish and wildlife resources may be undertaken where opportunities or needs occur and projects are funded.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 414, 415
NONSTRUC. HABITAT IMP.		Y	VCU 414, 415 - DEER RANGE MITIGATION
REFORESTATION	Y	Y	VCU 414, 415
TIMBER STAND IMP.	Y	Y	VCU 414, 415
SOIL STABILIZATION	Y	Y	VCU 414, 415
ROAD CONST.	Y	Y	VCU 414, 415 (APC LONG TERM, SEE S04)
TIMBER SALE PREP.		Y	VCU 414, 415 - APC LONG TERM SALE
TIMBER SALE PREP.	Y	Y	VCU 414, 415 - KUIU A-FRAME SALES, 6-13 MMBF, TO BE SOLD 1987-89
TIMBER SALE PREP.	Y	Y	VCU 414, 415 - SMALL SALES, .5-1 MMBF, TO BE SOLD 1987-89

STANDARDS AND GUIDELINES
 SEE 1981-86 ALP OPERATING PLAN

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S09				
MANAGEMENT AREA NAME	E. KUIU				
VCUS	416.0	417.0	418.0	419.0	420.0
LUDS	4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	28,151
HIGH VISUAL SENSITIVITY	24,008	19,838
MEDIUM VISUAL SENSITIVITY	33,808	19,143
BEACH FRINGE THROUGH 500 FEET	8,829	8,829
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	13,027	12,877
TOTAL ACRES	93,704	56,143

MANAGEMENT DIRECTION/EMPHASIS

The western part of VCU 420 is in the APC primary area, the rest of the management area is part of the APC contingency area. This is one of the principle land bases for timber production proposed for the 1981-86 and 1986-91 APC operating plan periods. Most of area will probably be accessible by road from Rowan Bay. In the future one or more additional terminal transportation facilities will likely be required for over-all efficiency of the sale. Timber harvest activities will be those identified in the APC operating plan EIS's. Emphasis on management of second growth stands will increase after 1990.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 416, 417, 418, 419, 420
STRUC. HABITAT IMP.	Y		VCU 420 - STREAM 109-43-03 AS EVALUATED
STRUC. HABITAT IMP.	Y		VCU 420 - SPAWNING CHANNEL STREAM 109-43-08
NONSTRUC. HABITAT IMP.	Y	Y	VCU 416, 417, 418, 419, 420 - DEER RANGE MITIGATION
REFORESTATION	Y	Y	VCU 416, 417, 418, 419, 420
TIMBER STAND IMP.	Y	Y	VCU 416, 417, 418, 419, 420
SOIL STABILIZATION	Y	Y	VCU 416, 417, 418, 419, 420
ROAD CONST.	Y	Y	VCU 416, 417, 418, 419, 420 -(APC LONG TERM, SEE S04)
TRAIL CONST.	Y		VCU 416, 417, 418, 419, 420 - CANOE PORTAGE
TIMBER SALE PREP.	Y	Y	VCU 416, 417, 418, 419, 420 - APC LONG TERM SALE
TIMBER SALE PREP.	Y	Y	VCU 416, 417, 418, 419, 420 - BEACH SALVAGE/ SMALL SALES, .5-1 MMBF, TO BE SOLD 1986-87

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S10					
MANAGEMENT AREA NAME	PORTAGE					
VCUS	422.0	424.0	442.0	443.0	444.0	446.0
LUDS	3,4					

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	28,620
HIGH VISUAL SENSITIVITY	37,332	19,862
MEDIUM VISUAL SENSITIVITY	25,239	6,056
BEACH FRINGE THROUGH 500 FEET	4,888	4,888
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,276	4,207
TOTAL ACRES	131,932	49,422

MANAGEMENT DIRECTION/EMPHASIS

Emphasis will be on utilization of the timber resources within the constraints set forth by the Regional Guide and Forest Plan. Key winter deer range will be given a high degree of protection, especially along the north shore in VCU #424. Projects to mitigate negative effects on wildlife habitat will be developed on a case-by-case basis throughout the plan period. Trails may be constructed from roads in this area to the Petersburg/Duncan Wilderness if consistent with the Wilderness Management Plan. Portage Bay is a good waterfowl area during the fall, and provides an anchorage for fishing boats and pleasure craft. The management intent is to protect this anchorage.

The area abuts Native Lands on the west. Management of the National Forest will be coordinated with that of this private land to the extent possible. The transportation management objective is to connect the road system in this M.A. to that of the rest of Kupreanof Island if economically and environmentally feasible and continue to maintain the TIF and logging camp in Portage Bay. Visual quality objectives will range from partial retention to maximum modification, with the higher quality objectives being applied on those lands viewed from the ferry lane in Frederick Sound. The Todahl VCU was allocated to LUD III primarily to recognize the visual sensitivity of the area and the allocation is reinforced by a very high concentration of eagle nest trees along the shore.

MANAGEMENT ACTIVITIES SCHEDULED

S10 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY		Y	VCU 442 - BIG CREEK CABIN
BRIDGES	Y	Y	VCU 424, 442,
BRIDGES		Y	VCU 444, 446
NONSTRUC. HABITAT IMP.	Y	Y	VCU 424, 442, 443, 444 -
			MITIGATION PROJECTS
NONSTRUC. HABITAT IMP.		Y	VCU 442 - STREAM 110-16-02 AS
			EVALUATED
REFORESTATION	Y	Y	VCU 424, 442, 443, 444, 446 - AS
			WARRANTED
TIMBER STAND IMP.	Y	Y	VCU 424, 442, 444
TIMBER STAND IMP.		Y	VCU 443

S10 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
SOIL STABILIZATION	Y	Y	VCU 424, 442, 443, 444, 446
ROAD CONST.	Y	Y	VCU 424, - 4 MILES 1988
ROAD CONST.	Y	Y	VCU 424, 442 - 12 MILES 1989
ROAD CONST.		Y	VCU 424, 442 - 18 MILES 1992
ROAD CONST.		Y	VCU 444 - 2 MILES 1990
ROAD CONST.		Y	VCU 444, 446 - 16 MILES 1994
TRAIL CONST.		Y	VCU 443, 444 - ALPINE TRAIL
TIMBER SALE PREP.	Y	Y	VCU 424 - BOHEMIA SALE, 5-10 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y	Y	VCU 444, 446 - 5-MILE SALE, 20-30 MMBF, TO BE SOLD 1994
TIMBER SALE PREP.	Y	Y	VCU 424, 442 - BOHEMIA MT. SALE, 30-40 MMBF, TO BE SOLD 1992

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S11				
MANAGEMENT AREA NAME	KUPREANOF				
VCUS	423.0	425.0	426.0	427.1	429.0
LUDS	3,4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	33,725
HIGH VISUAL SENSITIVITY	8,343	6,116
MEDIUM VISUAL SENSITIVITY	3,880	2,834
BEACH FRINGE THROUGH 500 FEET	595	595
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,140	4,140
TOTAL ACRES	149,255	42,155

MANAGEMENT DIRECTION/EMPHASIS

Emphasis will be utilization of the timber resources within the constraints set forth in the Regional Guide and Forest Plan. Proposed sale areas will link with the road system providing access to the community of Kake. There will be ample opportunity for development of the timber resource. The emphasis will be on improving timber stands through harvest and thinning. Projects to mitigate negative effects on wildlife habitat will be developed on a case-by-case basis throughout the plan period. Volume production will be dependent upon physical feasibility of providing road access throughout management area.

MANAGEMENT ACTIVITIES SCHEDULED

S11 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 425, 426, 429, 427.1
STRUC. HABITAT IMP.	Y		VCU 425 - SLO DUC FISHWAY
STRUC. HABITAT IMP.		Y	VCU 425 - STREAM 109-42-09 AS EVALUATED
STRUC. HABITAT IMP.	Y		VCU 429 - UPPER KEKU FISHWAY

S11 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 425, 426 - THINNING TO IMPROVE DEER WINTER RANGE, MOOSE BROWSE PLANTING
NONSTRUC. HABITAT IMP.		Y	VCU 429 - THINNING TO IMPROVE DEER WINTER RANGE
REFORESTATION	Y	Y	VCU 423, 425, 426, 429, 427.1 - AS WARRANTED
TIMBER STAND IMP.	Y	Y	VCU 423, 425, 426, 429, 427.1
SOIL STABILIZATION	Y	Y	VCU 423, 425, 426, 429, 427.1
ROAD CONST.	Y		VCU 425, 426, 427.1 - 6 MILES, 1986
ROAD CONST.	Y		VCU 425 - 5 MILES, 1987
ROAD CONST.	Y		VCU 429 - 10 MILES, 1989
ROAD CONST.		Y	VCU 429 - 15 MILES, 1991
ROAD CONST.		Y	VCU 425 - 2 MILES, 1994
TRAIL CONST.	Y		VCU 426 - TOWER LAKE/HAMILTON RIVER TRAIL
TIMBER SALE PREP.	Y	Y	VCU 426 - BOHEMIA SALE, 5-10 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y	Y	VCU 426, 427.1, 429 - IRISH ROSE SALE, 5-10 MMBF, TO BE SOLD 1990
TIMBER SALE PREP.	Y	Y	VCU 429 - SHAMROCK SALE, 15-35 MMBF, TO BE SOLD 1995
TIMBER SALE PREP.	Y		VCU 425 - KAKE SMALL SALES, 3-5 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.	Y		VCU 425 - PIPELINE SALE, 3-7 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.		Y	VCU 429 - AYE SALE, 2-8 MMBF, TO BE SOLD 1992
TIMBER SALE PREP.	Y		VCU 429 - TOTEM SALE, 15-25 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.	Y	Y	VCU 429 - TOTE SALE, 15-25 MMBF, TO BE SOLD 1993
TIMBER SALE PREP.	Y	Y	VCU 425, 426 - CATHEDRAL SALE, 3-5 MMBF, TO BE SOLD 1987

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S12
 MANAGEMENT AREA NAME ROCKY PASS

VCUS 427.0 428.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	18,395
HIGH VISUAL SENSITIVITY	40,528	18,879
MEDIUM VISUAL SENSITIVITY	2,164	378
BEACH FRINGE THROUGH 500 FEET	13,352	13,352
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	6,622	6,548
TOTAL ACRES	74,415	26,518

MANAGEMENT DIRECTION/EMPHASIS

This area includes Rocky Pass (part of Keku Straits) and will be managed primarily for consumptive and nonconsumptive recreation use. The area supports large numbers of waterfowl during the spring and fall migrations. The area will be left undeveloped except for construction of recreation cabins and trails, and fish and wildlife habitat enhancement projects. The emphasis will be on maintaining an esthetically pleasing environment with the opportunity for recreational hunting, fishing, boating, crabbing, and camping.

MANAGEMENT ACTIVITIES SCHEDULED

<u>MANAGEMENT ACTIVITIES</u>	<u>TIME PERIODS</u> 1985-89/FUTURE	<u>REMARKS</u>
S12		NO DEVELOPMENT/MITIGATION ACTIVITIES SCHEDULED PRESENTLY

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S13
 MANAGEMENT AREA NAME DUNCAN CANAL

VCUS 435.0 436.0 437.0 438.0 439.0 440.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	32,797
HIGH VISUAL SENSITIVITY	16,294	8,485
MEDIUM VISUAL SENSITIVITY	25,677	12,990
BEACH FRINGE THROUGH 500 FEET	3,036	3,036
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,104	3,890
 TOTAL ACRES	 145,379	 53,220

MANAGEMENT DIRECTION/EMPHASIS

Emphasis will be on timber management with appropriate protection for other resources. Second growth management on areas previously cut will include thinning to improve the clearcuts for wildlife habitat where appropriate. The area is popular with fishermen and hunters and recreation cabins for public use are located adjacent to salt water. For many years there was a barite mine located on Little Castle Island, and numerous mining claims are located throughout the management area. Duncan Canal is a major waterfowl hunting area and is easily accessible by boat and aircraft from Petersburg. It is the management intent to fully protect the recreation attractions and settings along the lower Castle River and nearby shoreline associated with the cabins and bird hunting areas.

MANAGEMENT ACTIVITIES SCHEDULED

S13 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES		Y	VCU 437
BRIDGES	Y	Y	VCU 436, 438, 439,
STRUC. HABITAT IMP.		Y	VCU 437 - STREAM 106-43-80 AS EVALUATED
NONSTRUC. HABITAT IMP.	Y	Y	VCU 435, 436, 437, 438, 439, 440 - THINNING, PLANTING, BURNING TO IMPROVE BROWSE, WINTER RANGE, & WATERFOWL HABITAT
TRAIL CONST.	Y	Y	VCU 440 - TOWER LAKE/HAMILTON RIVER
TIMBER SALE PREP.	Y		VCU 437, - TONCAN SALE, 20-50 MMBF, TO BE SOLD 1986
TIMBER SALE PREP.	Y		VCU 436 - TOTEM SALE, 15-25 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.	Y	Y	VCU 436, 438 - SHAMROCK SALE, 35-45 MMBF, TO BE SOLD 1995
TIMBER SALE PREP.	Y	Y	VCU 436 - TOTE SALE, 15-25 MMBF, TO BE SOLD 1993
ROAD CONST.	Y	Y	VCU 436, 24 MILES, 1987
ROAD CONST.	Y		VCU 437, 439, 18.7 MILES, 1985

S13 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONST.		Y	VCU 437, 6 MILES, 1990
ROAD CONST.		Y	VCU 438, 15 MILES, 1991
SOIL STABILIZATION	Y	Y	VCU 436, 437, 438, 439,
TIMBER STAND IMP.	Y	Y	VCU 437, 439
TIMBER STAND IMP.		Y	VCU 436, 438,
REFORESTATION	Y	Y	VCU 437, 439
REFORESTATION		Y	VCU 436, 438,

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S14
MANAGEMENT AREA NAME SALT CHUCK CREEK

VCUS 441.1
LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL		
HIGH VISUAL SENSITIVITY		
MEDIUM VISUAL SENSITIVITY		
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS		
TOTAL ACRES	2938	

MANAGEMENT DIRECTION/EMPHASIS

This management area was part of the Duncan Salt Chuck VCU prior to final boundary delineation of the Petersburg Creek-Duncan Salt Chuck Wilderness. The Kake-Portage road is expected to pass through this area. This MA will be a candidate for reallocation and incorporation into Management Area S10 during TLMP revision.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	AS IDENTIFIED
ROAD CONST.	Y		KAKE - PORTAGE BAY ROAD, 1.5 MILES, 1987

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S15
MANAGEMENT AREA NAME PETERSBURG CREEK-DUNCAN SALT CHUCK
VCUS 441.0, 445.0
LUDS 1-WILDERNESS

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	
HIGH VISUAL SENSITIVITY		
MEDIUM VISUAL SENSITIVITY		
BEACH FRINGE THROUGH 500 FEET		
SPECIAL/UNIQUE AREAS		
BALD EAGLE NESTING AREAS		
TOTAL ACRES	47,356	

MANAGEMENT DIRECTION/EMPHASIS

The area will be managed as wilderness under the Petersburg Creek-Duncan Salt Chuck Wilderness Management Plan.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NON STRUC. HABITAT IMP.	Y	Y	VCU 441 - AS IDENTIFIED
STRUC. HABITAT IMP.		Y	VCU 445 - INCUBATION BOXES
LAND ADJUSTMENT	Y	Y	VCU 441 - LAND EXCHANGE, PRIVATE LAND
LAND ADJUSTMENT	Y	Y	VCU 441 - LAND ACQUISITION, PRIVATE LAND
TRAIL CONST.	Y		VCU 441, 445 - PETERSBURG LAKE-DUNCAN SALT CHUCK TRAIL

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S16
 MANAGEMENT AREA NAME WRANGELL NARROWS

VCUS 447.0 448.0 451.0
 LUDS 3, 3 (SPECIAL)

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	23,764
HIGH VISUAL SENSITIVITY	43,486	28,171
MEDIUM VISUAL SENSITIVITY	10,126	4,652
BEACH FRINGE THROUGH 500 FEET	5,657	5,657
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,199	3,124
TOTAL ACRES	70,615	38,932

MANAGEMENT DIRECTION/EMPHASIS

Timber management will emphasize small sales, free use, and opportunities for gathering firewood. Roads on Mitkof Is. will be kept open if economically and environmentally feasible to facilitate recreation use and access to resources. Visual quality objectives range from retention to modification with the most emphasis placed on lands around the cities of Petersburg and Kupreanof, along the Wrangell Narrows, and around Blind Slough recreation area. Significant amounts of city, state and private lands are included in this MA. Management of National Forest Lands adjacent to these other ownerships will be made compatible to the extent practicable. Recreation management will continue to emphasize day use facilities with improvements around Blind Slough and trails accessible to the communities.

MANAGEMENT ACTIVITIES SCHEDULED

S16 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
RECREATION FACILITY	Y		VCU 447 - TWIN CREEK SKI HUT
BRIDGES	Y		VCU 447, 448, 451
NONSTRUC. HABITAT IMP.	Y	Y	VCU 447, 448, 451 - BROWSE RELEASE, PLANTING, SEEDING
REFORESTATION	Y	Y	VCU 447, 448, 451
TIMBER STAND IMP.	Y	Y	VCU 447, 448, 451
SOIL STABILIZATION	Y	Y	VCU 447, 448, 451
ROAD CONST.	Y		VCU 447, 448 - 7 MILES, 1987
ROAD CONST.	Y		VCU 448 - 7 MILES, 1988
TRAIL CONST.	Y	Y	VCU 447, 448, 451 - ALPINE & CRYSTAL LAKE
TIMBER SALE PREP.	Y		VCU 448 - WHISKEY SALE, 20-30 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y		VCU 451 - SNAKE (MITKOF FLYER), 1-3 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 447, 448 - GREEN ROCKS SALE, 15-25 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 447 - SMALL SALES, 6-10 MMBF, TO BE SOLD 1986-89

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S17
 MANAGEMENT AREA NAME S. MITKOF

VCUS 449.0 450.0 452.0 453.0 454.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	28,695
HIGH VISUAL SENSITIVITY	15,241	12,019
MEDIUM VISUAL SENSITIVITY	29,397	20,360
BEACH FRINGE THROUGH 500 FEET	6,065	6,065
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,630	2,630
TOTAL ACRES	76,267	45,445

MANAGEMENT DIRECTION/EMPHASIS

Timber management will emphasize small sales, free use and opportunities to gather firewood. Access will be by interconnected road system which will normally be kept open for recreation and other resource management. Because the road system is connected to Petersburg, there is a significant amount of recreation use on the roads and accessible lands. Visual quality objectives are partial retention to maximum modification with the highest quality objectives along Sumner Strait and around the Three Lakes recreation area. The unit contains significant amounts of State land selections. Management of lands adjacent to these selections will be coordinated with the States management intent to the extent practicable. Management emphasis for the 3-Lakes area will continue to be for dispersed and semi-concentrated recreation facilities by trails, day-use facilities and rudimentary over-night facilities. Retention of deer habitat on Mitkof Island will be higher than average for the Stikine Area because of its accessibility to hunters.

MANAGEMENT ACTIVITIES SCHEDULED

S17 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 452 - OHMER CR. CAMPGROUND EXPANSION
RECREATION FACILITY	Y	Y	VCU 453 - IDEAL COVE BOAT RAMP
BRIDGES	Y	Y	VCU 449, 450, 452, 453, 454
NONSTRUC. HABITAT IMP.	Y	Y	VCU 449, 450, 452, 453, 454 - BROWSE RELEASE, PLANTING, THINNING
REFORESTATION	Y	Y	VCU 449, 450, 452, 453, 454
TIMBER STAND IMP.	Y	Y	VCU 449, 450, 452, 453, 454
SOIL STABILIZATION	Y	Y	VCU 449, 450, 452, 453, 454
ROAD CONST.	Y		VCU 449 - 4 MILES, 1986
ROAD CONST.	Y		VCU 450 - 4.0 MILES, 1986
TRAIL CONST.	Y	Y	VCU 449, 450, 452, 453, 454 - BEAR CREEK TRAIL
TIMBER SALE PREP.	Y		VCU 449 - LOFT SALE, 8-12 MMBF, TO BE SOLD 1986

S17 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		VCU 449 - PAN SALE, 1-2 MMBF, TO BE SOLD 1986
TIMBER SALE PREP.	Y		VCU 452 - TWO-TONE SALE, 1-3 MMBF, TO BE SOLD 1986
TIMBER SALE PREP.	Y		VCU 449, 450, 452-454, SMALL SALES, 5-15 MMBF, TO BE SOLD 1986-89

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S20				
MANAGEMENT AREA NAME	TOTEM				
VCUS	430.0	431.0	432.0	433.0	434.0
LUDS	4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	15,875
HIGH VISUAL SENSITIVITY	28,021	11,785
MEDIUM VISUAL SENSITIVITY	12,939	2,775
BEACH FRINGE THROUGH 500 FEET	8,574	8,207
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	4,701	4,701
TOTAL ACRES	116,276	25,132

MANAGEMENT DIRECTION/EMPHASIS

Resource management will emphasize intensive timber management, with other resource development and/or protection to be initiated as opportunities are observed. The southern terminus of the Kupreanof Island road system may be initiated from a TIF in the Douglas Bay area where there will likely be the need to establish a permanent administrative facility. A transportation management objective is to have an interconnected road system with the existing system developed out of Kake. Management around Kah Sheets Lake and Creek will emphasize semi-primitive recreation.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y		VCU 432, 433
NONSTRUC. HABITAT IMP.		Y	VCU 434 - KAH SHEETS FERTILIZATION AS EVALUATED
STRUC. HABITAT IMP.		Y	VCU 431 - STREAM 105-31-03, AS EVAL
STRUC. HABITAT IMP.		Y	VCU 433 - STREAM 106-41-65, AS EVAL
NONSTRUC. HABITAT IMP.	Y	Y	VCU 433 - BROWSE RELEASE, PLANTING
NONSTRUC. HABITAT IMP.	Y	Y	VCU 434 - BROWSE RELEASE, PLANTING
REFORESTATION	Y	Y	VCU 432
TIMBER STAND IMP.		Y	VCU 430, 431, 432, 433, 434
SOIL STABILIZATION	Y	Y	VCU 430, 431, 432, 433, 434

TIME PERIODS
MANAGEMENT ACTIVITIES 1985-89/FUTURE REMARKS

ADMINISTRATIVE FACILITY	Y		VCU 433 - TOTEM ADMINISTRATIVE SITE
ROAD CONST.	Y		VCU 432, 433 - 24 MILES, 1989
TIMBER SALE PREP.	Y	Y	VCU 432, 433 - TOTEM SALE, 15-25 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.	Y	Y	VCU 432 - TOTE SALE, 15-25 MMBF, TO BE SOLD 1993

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER	S35				
MANAGEMENT AREA NAME	THOMAS				
VCUS	483.0	484.0	486.0	487.0	489.0
LUDS	3,4				

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	14,731
HIGH VISUAL SENSITIVITY	33,120	13,109
MEDIUM VISUAL SENSITIVITY	9,771	2,567
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,421	5,421
TOTAL ACRES	98,225	35,744

MANAGEMENT DIRECTION/EMPHASIS

Extensive timber harvesting has taken place over the past 20 years in Thomas Bay. Recreation use of the bay and its fish and wildlife resources is substantial. Swan Lake has substantial hydro-electric potential as noted by Thomas Bay power authority.

Timber resources will continue to be developed in accordance with emphasis on the wildlife and scenic values. Wildlife studies in progress will aid in the development of a long range plan for future management of primary and second-growth stands.

Wildlife and fish habitat enhancement will occur as opportunities are identified and funded. The State has selected lands near the mouth of Patterson River and there is also private land in the area.

MANAGEMENT ACTIVITIES SCHEDULED

TIME PERIODS

MANAGEMENT ACTIVITIES 1985-89/FUTURE REMARKS

BRIDGES	Y	Y	VCU 487, 489
NONSTRUC. HABITAT IMP.	Y	Y	VCU 483, 484, 486, 487, 489 - BROWSE RELEASE, PLANTING, THINNING
REFORESTATION	Y	Y	VCU 483, 484, 486, 487, 489
TIMBER STAND IMP.	Y	Y	VCU 483, 484, 486, 487, 489
SOIL STABILIZATION	Y	Y	VCU 483, 484, 486, 487, 489

MANAGEMENT ACTIVITIES TIME PERIODS
1985-89/FUTURE REMARKS

TRAIL CONST.	Y	Y	VCU 486, 487 - CASCADE CREEK/PATTERSON RIVER
RECREATION FACILITY	Y		VCU 487 - WOOD POINT CABIN
TIMBER SALE PREP.	Y		VCU 489 - SMALL SALES, 2 MMBF, TO BE SOLD 1985-89

STIKINE AREA

WRANGELL RANGER DISTRICT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S18
 MANAGEMENT AREA NAME VANK ISLAND GROUP

VCUS 455.0
 LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	7,006
HIGH VISUAL SENSITIVITY	7,082	7,006
MEDIUM VISUAL SENSITIVITY	603	603
BEACH FRINGE THROUGH 500 FEET	4,821	4,821
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,335	2,335
TOTAL ACRES	8,437	8,362

MANAGEMENT DIRECTION/EMPHASIS

Management direction is to continue timber harvest on these islands to salvage blowdown and harvest standing trees as necessary to make the salvage operations economically feasible. Wildlife habitat, especially for deer, will receive strong protection and enhancement because of the accessibility to hunters and the apparent ability of these islands to maintain deer populations during years when surrounding areas do not. Visual quality objectives are partial retention to modification because of the proximity to Wrangell, the marine highway and high use fishing waters. The Vank Island organization camp will be maintained and administered under special use permit.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 455 - DEER RANGE IMPROVEMENT
REFORESTATION	Y	Y	VCU 455
TIMBER STAND IMP.	Y	Y	VCU 455
SOIL STABILIZATION	Y	Y	VCU 455

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S19
 MANAGEMENT AREA NAME ZAREMBO

VCUS 456.0 457.0 458.0 459.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	42,160
HIGH VISUAL SENSITIVITY	36,268	26,187
MEDIUM VISUAL SENSITIVITY	24,973	13,166
BEACH FRINGE THROUGH 500 FEET	4,803	4,735
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	6,959	6,881
 TOTAL ACRES	 117,094	 59,542

MANAGEMENT DIRECTION/EMPHASIS

Extensive harvest activities under previous sales will be followed by intensive timber management activities. Management of wildlife and fisheries habitat will be aimed at protection of existing stocking levels except that enhancement projects not limiting the timber resource will be considered as opportunities arise. Recreation opportunities indicate that developed sites at St. John's Harbor, Roosevelt Harbor and/or Deep Bay may be justified. Recreation management in the island interior will be compatible with intensive timber management activities.

Continuous management activities will require support facilities at St. John's Harbor and Deep Bay along with permanent TIF and boat mooring floats and equipment bulkheads. Visual Quality Objectives will be largely Modification and Maximum Modification in those areas not readily visible from the ferry lanes, Partial Retention and Modification in those more visually sensitive areas. Retention to Partial Retention will normally apply to areas adjacent to special recreation features. Wildlife habitat management will be directed primarily at deer, eagles, and furbearers within the acreage retention assumptions made in the allocation phase of TLMP.

MANAGEMENT ACTIVITIES SCHEDULED

S19 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 456, 457, 458, 459
STRUC. HABITAT IMP.	Y		VCU 457 - ST. JOHNS FISHWAY
STRUC. HABITAT IMP.	Y		VCU 458 - PT. NESBITT CREEK
STRUC. HABITAT IMP.		Y	VCU 459 - STREAM 108-20-05
NONSTRUC. HABITAT IMP.	Y	Y	VCU 456, 457, 458, 459 - DEER RANGE MITIGATION, BROWSE PLANTING, SEEDING
SOIL STABILIZATION	Y	Y	VCU 456, 457, 458, 459
REFORESTATION	Y	Y	VCU 456, 457, 458, 459
TIMBER STAND IMP.	Y	Y	VCU 456, 457, 458, 459
ADMINISTRATIVE FACILITY		Y	VCU 459 - ROOSEVELT ADMINISTRATIVE SITE

S19 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
ROAD CONST.	Y		VCU 457, 458 - 3 MILES, 1988
ROAD CONST.		Y	VCU 458, 459 - 8 MILES, 1994
ROAD CONST.		Y	VCU 458 - 12 MILES, 1993
TIMBER SALE PREP.	Y		VCU 457, 458 - BIG ISLAND SALE, 10-15 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y	Y	VCU 458,459 - S. ZAREMBO SALE, 18-22 MMBF, TO BE SOLD 1994
TIMBER SALE PREP.	Y	Y	VCU 458, - NESBITT REEF SALE, 18-22 MMBF, TO BE SOLD 1993
TIMBER SALE PREP.	Y		VCU 456, 457, 458, 459 - SMALL SALES, 1-3 MMBF/ YEAR, TO BE SOLD 1986-90
TIMBER SALE PREP.	Y		VCU 457, 458 - OUT BACK SALE, 5-15 MMBF, TO BE SOLD 1989

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S21
MANAGEMENT AREA NAME KASHEVAROF ISLANDS

VCUS 460.0
LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	7,840
HIGH VISUAL SENSITIVITY	6,350	4,276
MEDIUM VISUAL SENSITIVITY	4,017	3,758
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	6,026	6,026
TOTAL ACRES	11,403	8,358

MANAGEMENT DIRECTION/EMPHASIS

Management on Shrubby Island, largely cut-over prior to 1978, and Bushy Island will continue to emphasize timber production and protection of beachside eagle habitat. Roads will normally not be kept open except for timber management and administration. Timber on the other small islands will be harvested only as opportunities for salvage occur, and only when conflicts with other resource protection can be resolved.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89/FUTURE		
NONSTRUC. HABITAT IMP.	Y	Y	VCU 460 - BUSHY & SHRUBBY IS. THINNING, PLANTING
REFORESTATION	Y	Y	VCU 460
TIMBER STAND IMP.	Y	Y	VCU 460
SOIL STABILIZATION	Y	Y	VCU 460
ROAD CONST.	Y		VCU 460 - 2 MILES, 1986

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		VCU 460 - BUSHY SALE, 10-15 MMBF, TO BE SOLD 1986
TIMBER SALE PREP.	Y	Y	VCU 460 - SMALL SALES, .1-2 MMBF, TO BE SOLD 1986-89

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S22
MANAGEMENT AREA NAME WORONKOFSKI

VCUS 461.0
LUDS 3

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	3,407
HIGH VISUAL SENSITIVITY	13,786	8,795
MEDIUM VISUAL SENSITIVITY	0	0
BEACH FRINGE THROUGH 500 FEET	1,743	1,743
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,902	1,902
TOTAL ACRES	14,500	9,112

MANAGEMENT DIRECTION/EMPHASIS

Most accessible timber has been logged from this island. Future management must emphasize combining second-growth harvest opportunities with advanced yarding methods on the remaining CFL. Timber management opportunities will be coordinated with visual resource requirements (do to proximity of ferry lanes and the City of Wrangell) and wildlife management requirements. Roads will not normally be kept open unless needed for administration. Recreation development at Sunrise Lake may be considered if demand warrants.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 461 - THINNING, PLANTING
REFORESTATION	Y	Y	VCU 461
TIMBER STAND IMP.	Y	Y	VCU 461
SOIL STABILIZATION	Y	Y	VCU 461
TRAIL CONST.		Y	VCU 461 - SUNRISE LAKE TRAIL

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S23
 MANAGEMENT AREA NAME N. ETOLIN

VCUS 462.0 463.0 464.0 465.0 466.0 467.0 468.0 469.0
 470.0 471.1
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	46,138
HIGH VISUAL SENSITIVITY	52,155	34,143
MEDIUM VISUAL SENSITIVITY	35,156	17,589
BEACH FRINGE THROUGH 500 FEET	16,644	16,644
SPECIAL/UNIQUE AREAS	62	62
BALD EAGLE NESTING AREAS	15,265	15,011
TOTAL ACRES	142,223	74,461

MANAGEMENT DIRECTION/EMPHASIS

Management will emphasize development of an interconnected road system for timber management and other resource uses if economically and environmentally feasible. However, the geogrophy will require development of some seperate systems. There is an existing TIF, camp, and admin. facility at Anita Bay. Others will likely be needed as development begins in isolated areas. Recreation opportunities/potential will be protected in Steamer Bay, 3-way Passage, Rocky Bay, Mosman and Burnett Inlet. The State has selected land in Olive Cove and there is a private hatchery in Burnett Inlet. National Forest management will be compatible with these other interests to the degree practicable.

Wildlife habitat improvement should be developed along with timber sale activities wherever practical.

Major visual quality objectives will range from partial retention to maximum modification with the higher quality objectives in the areas seen from the Clarence and Stikine Straits ferry route and Zimovia Strait small boat route. Retention VQO will normally apply to the immediate vicinity of specific recreation features.

MANAGEMENT ACTIVITIES SCHEDULED

S23 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 462, 464, 465, 466, 467, 468, 469, 470, 471.1
NONSTRUC. HABITAT IMP.	Y		VCU 465 - QUIET HARBOR STREAM
NONSTRUC. HABITAT IMP.	Y		VCU 468 - STREAM 106-22-16 AS EVALUATED
NONSTRUC. HABITAT IMP.	Y	Y	VCU 462, 463, 464, 465, 466, 467, 468, 469, 470, 471.1- DEER RANGE MITIGATION, BROWSE PLANTING, SEEDING
REFORESTATION	Y	Y	VCU 462, 463, 464, 465, 466, 467, 468, 469, 470, 471.1
TIMBER STAND IMP.	Y	Y	VCU 462, 463, 464, 465, 466, 467, 468, 469, 470, 471.1

S23 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
SOIL STABILIZATION	Y	Y	VCU 462, 463, 464, 465, 466, 467, 468, 469, 470, 471.1
ADMINISTRATIVE FACILITY	Y		VCU 464 - ETOLIN ADMINISTRATIVE SITE
ROAD CONST.		Y	VCU 462, - 11 MILES, 1992
ROAD CONST.	Y		VCU 465, 467 - 10 MILES, 1987
ROAD CONST.	Y		VCU 464, 468 - 3 MILES, 1993
ROAD CONST.		Y	VCU 467 - 7 MILES, 1991
ROAD CONST.		Y	VCU 470, 471.1 - 10 MILES, 1995
TRAIL CONST.	Y		VCU 463 - KUNK LAKE TRAIL
TIMBER SALE PREP.	Y		VCU 465, 467 - QUIET SALE, 5-15 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y	Y	VCU 462 - KING GEORGE SALE, 18-22 MMBF, TO BE SOLD 1992
TIMBER SALE PREP.	Y	Y	VCU 467 - MARBLE POINT SALE, 12-17 MMBF, TO BE SOLD 1991
TIMBER SALE PREP.	Y	Y	VCU 464, 468 - ANITA SALE, 12-17 MMBF, TO BE SOLD 1993
TIMBER SALE PREP.	Y	Y	VCU 469, 470, 471.1 - WHALETAIL SALE, 18-22 MMBF, TO BE SOLD 1995

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S24
MANAGEMENT AREA NAME S. ETOLIN

VCUS 471.0 472.0 473.0 474.0
LUDS 1-RELEASE

	NFS. ACRES	CFL ACRES
OPERABLE CFL	-----	29,699
HIGH VISUAL SENSITIVITY	16,892	11,547
MEDIUM VISUAL SENSITIVITY	35,019	17,829
BEACH FRINGE THROUGH 500 FEET	16,743	16,743
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	8,618	8,473
TOTAL ACRES	80,543	42,812

MANAGEMENT DIRECTION/EMPHASIS

Management emphasis will conform with LUD I direction until the Forest Plan is revised. Activities will be largely custodial. Established uses may be permitted to continue unless contrary to ANILCA direction for wilderness areas.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 471, 472, 473, 474 - AS IDENTIFIED

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S25
 MANAGEMENT AREA NAME WRANGELL

VCUS 475.0 476.0 477.0 478.0 479.0 480.0 505.0
 LUDS 3, 3 (SPECIAL), 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	31,001
HIGH VISUAL SENSITIVITY	64,367	34,796
MEDIUM VISUAL SENSITIVITY	15,000	6,703
BEACH FRINGE THROUGH 500 FEET	6,544	6,544
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	5,888	5,662
TOTAL ACRES	131,354	61,824

MANAGEMENT DIRECTION/EMPHASIS

Timber management will emphasize small to medium size sales, free use, and opportunities to gather firewood. Access for most activities will be by interconnected road system which will be kept open for all resource uses if economically and environmentally feasible. This road system is connected to the City of Wrangell and can be expected to get considerable use for recreation hunting, fishing, and other public use of Forest land. Visual quality objectives must deal with both water and road oriented public use. Timber management activities are dominant throughout the northern part of the island and can expect to remain a visable part of the seen area. Visual management objectives are partial retention to maximize modification.

The management unit contains significant acreage of private land and State land selections. Management of land adjacent to those selected lands will be coordinated with the State's management intent to the extent practicable. Management emphasis for the Pats Creek, Thoms Lake and Blake Channel areas will continue to be for dispersed and semi-concentrated recreation use facilitated by roads, trails, and boats.

The Pat's Creek or McCormick Creek routes may become part of the State highway system.

MANAGEMENT ACTIVITIES SCHEDULED

S25 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		VCU 475 - ALPINE CABIN
BRIDGES	Y	Y	VCU 475, 476, 477, 478, 479, 480,
BRIDGES		Y	VCU 505
NONSTRUC. HABITAT IMP.		Y	VCU 480 - LONG LAKE AS EVALUATED
NONSTRUC. HABITAT IMP.		Y	VCU 477 - MCCORMICK CREEK
NONSTRUC. HABITAT IMP.	Y	Y	VCU 475, 476, 477, 478, 479, 480, 505 - MOOSE BROWSE PLANTING, WINTER RANGE THINNING
REFORESTATION	Y	Y	VCU 475, 476, 477, 478, 479, 480, 505
TIMBER STAND IMP.	Y	Y	VCU 475, 476, 477, 478, 479, 480, 505
SOIL STABILIZATION	Y	Y	VCU 475, 476, 477, 478, 479, 480, 505

S25 MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
LAND ADJUSTMENT	Y		VCU 475, 476, 477, 479 (PROPERTY BOUNDARY LOCATION/MAINTENANCE)
LAND ADJUSTMENT	Y	Y	VCU 475, 476, 477, 479 (RIGHT-OF-WAY ACQUISITION)
LAND ADJUSTMENT	Y		VCU 478 (RIGHT-OF-WAY ACQUISITION)
LAND ADJUSTMENT	Y	Y	VCU 475, 476, 477, 479 (RIGHT-OF-WAY SHARE)
ADMINISTRATIVE FACILITY	Y		VCU 475 - WRANGELL ADMINISTRATIVE SITE
ROAD CONST.	Y		VCU 476, 478 - 10 MILES, 1987
ROAD CONST.	Y		VCU 477 - 2.3 MILES, 1986
ROAD CONST.	Y		VCU 447 - 1.5 MILES, 1987
ROAD CONST.		Y	VCU 505 - 6 MILES, 1993
ROAD CONST.	Y		VCU 478 - 4.5 MILES, 1988
ROAD CONST.	Y		VCU 479, 480 - 6.5 MILES, 1987
TRAIL CONST.	Y	Y	VCU 475 - RAINBOW FALLS TRAIL
TRAIL CONST.	Y	Y	VCU 478, 505 - BACKCHANNEL ALPINE TRAIL
TIMBER SALE PREP.	Y		VCU 478 - BASIN SALE, 5-10 MMBF, TO BE SOLD 1986
TIMBER SALE PREP.	Y		VCU 478 - MIDDLE SALE, 6-10 MMBF, TO BE SOLD 1989
TIMBER SALE PREP.	Y		VCU 477 - POINT SALE, 3-6 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 479, 480 - SNOWHAWK SALE, 3-6 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 478 - BEAVER CREEK SALE, 2-5 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 479 - SNOW WOLF SALE, 2-6 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y	Y	VCU 505 (Wrangell Island)- BLAKE SALE, 8-13 MMBF, TO BE SOLD 1993
TIMBER SALE PREP.	Y		VCU 477, 478, 479, 480 - SMALL SALES, 1-3 MMBF/ YEAR, TO BE SOLD 1986-90
TIMBER SALE PREP.		Y	VCU 478 - MID POINT SALE, 5-15 MMBF, TO BE SOLD 1995
TIMBER SALE PREP.		Y	VCU 478 - CENTER SALE, 5-15 MMBF, TO BE SOLD 1992
TIMBER SALE PREP.	Y	Y	VCU 479 - SNOW PUP SALE, 3-6 MMBF, TO BE SOLD 1990
TIMBER SALE PREP.	Y	Y	VCU 479 - TWIN SALE, 3-7 MMBF, TO BE SOLD 1990
TIMBER SALE PREP.	Y	Y	VCU 480 - SNOW HAWK SALE, 3-6 MMBF, TO BE SOLD 1987

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S26
 MANAGEMENT AREA NAME VIRGINIA LAKE

VCUS 501.0 502.0 503.0 504.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	10,638
HIGH VISUAL SENSITIVITY	30,791	18,783
MEDIUM VISUAL SENSITIVITY	10,403	3,437
BEACH FRINGE THROUGH 500 FEET	1,689	1,689
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,935	2,868
TOTAL ACRES	115,668	40,564

MANAGEMENT DIRECTION/EMPHASIS

The management area is on the mainland in view of part of the community of Wrangell. Major use will be associated with timber harvest, commercial fishing, hunting and recreation fishing. The opportunity for these types of activities are high because of its close proximity to Wrangell. Development of the timber resource will be very costly. The State has made land selections in the are of Virginia Lake and Crittenden Creek. N.F. management will be coordinated with the States management intent to the degree practicable. It is likely that Forest Service facilities may have to be located on State land. This area has potential for fish and wildlife improvement projects. Exploration for minerals has been on-going for several years.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y	Y	VCU 501, 502, 503, 504
STRUC. HABITAT IMP.		Y	VCU 501 - CRITTENDEN CREEK
STRUC. HABITAT IMP.		Y	VCU 502 - MILL CREEK
NONSTRUC. HABITAT IMP.	Y	Y	VCU 501, 502, 503, 504 - AS IDENTIFIED
REFORESTATION		Y	VCU 501, 502, 504
TIMBER STAND IMP.		Y	VCU 501, 502, 503, 504
ROAD CONST.	Y		VCU 501, 502, 504 - 12 MILES, 1988
ROAD CONST.	Y		VCU 503, 504 - 10 MILES, 1988
ROAD CONST.		Y	VCU 501 - 8 MILES, 1991
ROAD CONST.		Y	VCU 501, 502 - 7 MILES, 1994
TIMBER SALE PREP.	Y		VCU 503 - AARONS CREEK SALE, 15-25 MMBF, TO BE SOLD 1988
TIMBER SALE PREP.	Y		VCU 501, 502, 504 - MAD CRITTER SALE, 15-30 MMBF, TO BE SOLD 1991
TIMBER SALE PREP.	Y	Y	VCU 501, 502 - MAD BAY SALE, 10-20 MMBF, TO BE SOLD 1994

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S27
 MANAGEMENT AREA NAME MARTIN LAKE

VCUS 508.0 509.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	610
HIGH VISUAL SENSITIVITY	7,172	3,587
MEDIUM VISUAL SENSITIVITY	2,832	459
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	537	537
 TOTAL ACRES	 27,863	 9,699

MANAGEMENT DIRECTION/EMPHASIS

Management will emphasize those opportunities associated with recreational use of wildlife and fisheries. Boating, airplane, or foot travel are the primary means of accessing the area. This type of access should be maintained and improved upon wherever possible. Due to the small size of this management area it provides limited opportunity for commercial recreation facilities. Since the area is relatively inaccessible it is not expected to be a heavy use area. The area in and around Martin Lakes and the beach area at the mouth of Martin creek will continue to receive the highest use in the management areas.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 508 - AS DETERMINED
NONSTRUC. HABITAT IMP.	Y	Y	VCU 509 - AS DETERMINED

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S28
 MANAGEMENT AREA NAME HARDING R.

VCUS 506.0 507.0 511.0 512.0 513.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	2,181
HIGH VISUAL SENSITIVITY	1,508	1,095
MEDIUM VISUAL SENSITIVITY	5,866	2,528
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	408	408
 TOTAL ACRES	 266,019	 23,158

MANAGEMENT DIRECTION/EMPHASIS

Management area contains a varied character of mainland land types from the U.S.-Canadian border on the north to the Harding River watershed on Bradfield Canal to the south. Access from the Stikine River is through British Columbia. VCU's 506 and 507 bound an alternative road route from Wrangell to the upper Stikine River valley. Commerce and tourism of both countries may warrant the development of this route in the future. Dispersed recreational opportunities prevail. Minor recreational development opportunities related to back country recreation exist adjacent to Bradfield Canal. Management will be generally custodial.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
STRUC. HABITAT IMP.	Y		VCU 511 - HARDING RIVER AS EVALUATED
NONSTRUC. HABITAT IMP.	Y	Y	VCU 511, 512 - MOOSE HABITAT IMPROVEMENT

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S29
 MANAGEMENT AREA NAME BRADFIELD R.

VCUS 514.0 515.0 516.0 517.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	8,165
HIGH VISUAL SENSITIVITY	1,055	374
MEDIUM VISUAL SENSITIVITY	5,911	3,370
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,278	2,278
TOTAL ACRES	150,995	26,288

MANAGEMENT DIRECTION/EMPHASIS

Production of timber on the North and East Bradfield River drainage has been the major management emphasis in the past. Emphasis is now on regeneration and management of second growth stands, soil stability, and enhancement of dispersed recreation opportunities associated with the use and enjoyment of waterfowl, bear, and mountain goat. The Tyee power plant is located in the unit and will be a long term use.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 514, 515, 516, 517 - PLANTING, THINNING, BROWSE RELEASE
TIMBER STAND IMP.	Y	Y	VCU 514, 515, 516, 517
SOIL STABILIZATION	Y	Y	VCU 514, 515, 516, 517

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S30
 MANAGEMENT AREA NAME EAGLE R.

VCUS 518.0 519.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	351
HIGH VISUAL SENSITIVITY	5,329	2,886
MEDIUM VISUAL SENSITIVITY	19,387	8,114
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	1,265	1,265
TOTAL ACRES	58,710	18,716

MANAGEMENT DIRECTION/EMPHASIS

Tyee Lake is the site of the hydro-electric development to supply the energy requirements for the Thomas Bay authority (communities Wrangell, Petersburg). Eagle River and Lake(s) will be managed for dispersed recreation with attendant "back country" development as may be warranted by use. Where identified as appropriate, fish and wildlife habitat enhancement activities may be undertaken. Management emphasis is largely custodial for the life of the Forest Plan.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 519 - AS DETERMINED

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S31
 MANAGEMENT AREA NAME HOYA CREEK

VCUS 510.0 520.0 521.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	4,047
HIGH VISUAL SENSITIVITY	4,144	3,249
MEDIUM VISUAL SENSITIVITY	13,029	7,060
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	2,202	2,202
 TOTAL ACRES	 52,618	 20,386

MANAGEMENT DIRECTION/EMPHASIS

The transmission corridor from the Tye Lake power development lies along the south shore of Bradfield Canal. Timber stands will be managed for independent sales in the area's program. Substantial investments will be required to achieve the full productive capability of timber stands. Normal and non-normal yarding systems will be required. Recreation opportunities are essentially water oriented and limited. Fish habitat enhancement will occur where warranted.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
STRUC. HABITAT IMP.	Y	Y	VCU 510 - TOM LAKE HABITAT
NONSTRUC. HABITAT IMP.	Y	Y	VCU 510 - AS IDENTIFIED
SOIL STABILIZATION	Y	Y	VCU 510, 520, 521

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S32
 MANAGEMENT AREA NAME ANAN CREEK

VCUS 522.0 523.0
 LUDS 2

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	818
HIGH VISUAL SENSITIVITY	11,222	6,532
MEDIUM VISUAL SENSITIVITY	3,291	1,075
BEACH FRINGE THROUGH 500 FEET	0	0
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	870	870
TOTAL ACRES	42,317	12,534

MANAGEMENT DIRECTION/EMPHASIS

Anan Creek and Lakes are the principle features of this management area and are a major producer of pink salmon for sport and commercial fishing. Although not in proximity to any southeast Alaska community, recreation use is comparatively high. Some development exists to enhance the recreational enjoyment of fish and wildlife in the area. A "steep-pass" fishery enhancement project was completed in 1977. Management emphasis will be given to maintaining and improving where appropriate the existing dispersed character of use of the fish and wildlife values. Long-term enhancement of the fishery may be possible.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y	Y	VCU 522 - ANAN LAKE TRAIL

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S33
 MANAGEMENT AREA NAME DEER ISLAND

VCUS 524.0 525.0 526.0
 LUDS 4

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	7,800
HIGH VISUAL SENSITIVITY	12,550	9,288
MEDIUM VISUAL SENSITIVITY	7,607	5,498
BEACH FRINGE THROUGH 500 FEET	1,781	1,781
SPECIAL/UNIQUE AREAS	0	0
BALD EAGLE NESTING AREAS	3,494	3,494
TOTAL ACRES	45,754	23,167

MANAGEMENT DIRECTION/EMPHASIS

Management will be oriented to the development of short-term sales for the independent logging community and second-growth management. Opportunities to incorporate management of the visual resource will be effected, as a result of the areas relationship to the small boat route through Ernest Sound. A-frame and conventional yarding systems currently in use and non-normal systems will be required to fully utilize the timber resource over the long-term. Wildlife habitat enhancement activities will receive increasing emphasis beyond 1990.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
BRIDGES	Y		VCU 525, 526
NONSTRUC. HABITAT IMP.	Y	Y	VCU 525 - AS IDENTIFIED
REFORESTATION	Y	Y	VCU 524, 525, 526
TIMBER STAND IMP.	Y	Y	VCU 525
SOIL STABILIZATION	Y	Y	VCU 524, 525, 526
ROAD CONST.		Y	VCU 524 - 15 MILES, 1990
ROAD CONST.	Y		VCU 526 - 7.5 MILES, 1987
TIMBER SALE PREP.	Y		VCU 526 - SUNNY BAY SALE, 15-25 MMBF, TO BE SOLD 1987
TIMBER SALE PREP.	Y		VCU 524 - CLEVELAND SALE, 35-45 MMBF, TO BE SOLD 1990

MANAGEMENT AREA SUMMARY

MANAGEMENT AREA NUMBER S34
 MANAGEMENT AREA NAME STIKINE-LECONTE

VCUS 490.0 491.0 492.0 493.0 494.0 495.0 496.0 497.0 497.1 498.0
 499.0
 500.0
 LUDS 1-WILDERNESS, LUD 1 RELEASE

	NFS ACRES	CFL ACRES
OPERABLE CFL	-----	1,399
HIGH VISUAL SENSITIVITY	139,748	38,649
MEDIUM VISUAL SENSITIVITY	5,198	2,512
BEACH FRINGE THROUGH 500 FEET	636	636
SPECIAL/UNIQUE AREAS	10,378	10,140
BALD EAGLE NESTING AREAS	6,776	6,776
LUD 1 RELEASE	1,262	
 TOTAL ACRES	 436,903	 55,319

MANAGEMENT DIRECTION/EMPHASIS

The Stikine River, LeConte Bay and Glacier, and Horn Cliffs are principle features of the management area. Enjoyment of the latter two areas has historically been water-oriented. Use of the Stikine traditionally is land-oriented with water access. The Stikine is a major recreational unit in southeast Alaska. Wildlife, waterfowl, fish, and scenery are major opportunities to be managed in a wilderness environment. The area will be managed as wilderness under the Stikine-LeConte Wilderness Management Plan. Navigability of the Stikine River will be maintained as per U.S.-Canadian agreement. The LUD 1 Release area will be managed under LUD 1 direction until reallocation or until an appropriate NEPA review is conducted on proposed actions contrary to LUD 1 direction.

MANAGEMENT ACTIVITIES SCHEDULED

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	VCU 496 - BURNING
LAND ADJUSTMENT	Y		VCU 492, 496 - LAND EXCHANGE, PRIVATE LAND
LAND ADJUSTMENT	Y	Y	VCU 492, 496 - LAND ACQUISITION, PRIVATE LAND
LAND ADJUSTMENT		Y	VCU 491 - STATE SELECTIONS
TRAIL CONST.	Y		VCU 492 - MALLARD
TRAIL CONST.	Y		VCU 493 - TWIN LAKES
TRAIL CONST.	Y		VCU 495 - CHIEF SHAKES HOT SPRINGS

KETCHIKAN AREA

THORNE BAY RANGER DISTRICT

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.		Y	Mistletoe and alder KV release; 1990-35A, 1993-60A, 1994-20A
TIMBER STAND IMP.	Y		682 Ac precommercial thinning; All VCUs; 1985
TIMBER STAND IMP.		Y	Precommercial thinning; All VCUs; 1989-500A, 1990-600A, 1991-800A, 1992-1000A, 1993-1000A, 1994-1000A
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1985; VCU 527, 529, 530, 532; 32 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 529, 530, 532; 18 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; VCU 527, 529, 533; 18 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1988; VCU 527-533; 21.2 MMBF
TIMBER SALE PREP.	Y		Initiate in 1985; release in 1989; VCU 527; 17 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1990; VCU 527, 528; 17 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1991; VCU 528, 529; 17 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1992; VCU 530, 533; 17 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1993; VCU 530, 533; 16 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1994; VCU 527, 529; 16 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1995; VCU 527, 529; 16 MMBF;
SOIL STABILIZATION	Y	Y	Average 10-25 acre/year, 1986-94;
ROAD CONSTRUCTION		Y	55 miles construction on long term sale (LTS); 1989-95; VCU 527-530, 532;
BRIDGE CONSTRUCTION	Y		11 bridge replacements

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1995; VCU 534; 5 MMBF;
ROAD CONSTRUCTION		Y	19 miles construction, 1989-95; VCU 534;
ROAD CONSTRUCTION	Y		3 miles construction; planned for 1985, accomplished 1984; VCU 534
SOIL STABILIZATION		Y	10 acres scattered

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT AREA SUMMARY

Management Area Number	K03									
Management Area Name	El Capitan-Whale Pass									
VCUS	531.0	535.0	536.0	537.0	538.0	539.0	540.0	549.0	550.0	551.0
LUDS	3,4									
							NFS ACRES		CFL ACRES	
Operable CFL							----		66,768	
High Visual Sensitivity							11,240		9,124	
Medium Visual Sensitivity							7,515		5,301	
Beach Fringe Through 500 Feet							15,620		11,946	
Special/Unique Areas							0		0	
Bald Eagle Nesting Areas							10,496		8,547	
Total Acres							123,176		76,933	

MANAGEMENT DIRECTION/EMPHASIS

This M.A. lies along El Capitan Passage and Whale Pass. It is part of the long term sale to LPK and much of it has already been harvested to log transfer facilities at El Capitan, Whale Pass and Calder. Timber harvest is continuing in the M.A. and the first entry will be completed by the mid 1990's. A road connection is now complete, connecting the El Capitan area to the rest of the P.O.W. road system. The northerly drainages of Kosciusko Island will be harvested with short road systems and temporary log transfer facilities in El Capitan Passage. Opportunities for dispersed recreation, both salt water and road oriented, are found throughout the unit. Timber sale planning has and will continue to consider use of these values. Special emphasis will be given to protection of subsistence through inventories of subsistence use areas in cooperation with ADF&G and affected communities.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		camp/parking ; VCU 539; 1985
NONSTRUC. HABITAT IMP.		Y	2 acres KV streamside planting for fish; VCU 549; 1991
NONSTRUC. HABITAT IMP.	Y	Y	KV wildlife slash corridors; 1987-460A, VCU 549; 1988-580A, VCU 537, 549, 550; 1990-300A; 1991-370A; 19 92-690A; 1993-435A
NONSTRUC. HABITAT IMP.	Y		175 Ac KV understory release girdling; VCU 540; 1988

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.		Y	Neck Lake stocking, 1990-94, VCU 550, 962 Ac
STRUC. HABITAT IMP.	Y		10 KV log or similar structures, 1988, VCU 537, cr. 105-42-010
REFORESTATION	Y		267 acre planting; VCU 535-101A, 539-102A, 549-64A; 1985
TIMBER STAND IMP.		Y	10 acre/year Alder release thinning; all VCUs; 1990-1992
TIMBER STAND IMP.	Y	Y	Precommercial Thinning; 1985-177A, VCU 550; 1987-700A, VCU 549; 1988-1300A, VCU 549 & 550(400) VCU 537 & 538(900); 1989-500A, VCU 581; 1990-500A; 1991-500A; 1992-1000A; 1993-500A; 1994-500A
TIMBER SALE PREP.		Y	Initiate in 1986; sell in 1995; VCU 536, 537; 2 MMBF; Odd Rock SBA.
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; POW; 10 MMBF
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; POW; 11 MMBF
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1988; VCU 535-540; 11 MMBF;
TIMBER SALE PREP.	Y		Initiate 1985; release 1989; VCU 531, 536, 537, 540, 550, 551; 20 MMBF;
TIMBER SALE PREP.	Y		Initiate 1985; release 1989; VCU 531, 536, 537, 549; 19 MMBF; Kos. Isl.
TIMBER SALE PREP.		Y	Initiate 1985; release 1990; VCU 531, 536-538, 540, 550, 551; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release 1990; VCU 531, 536, 537, 549; 14 MMBF; Kos. Isl.
TIMBER SALE PREP.		Y	Initiate 1985; release 1991; VCU 531, 536-538, 540, 550, 551; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1991; VCU 531, 536, 537, 549; KOS; 14 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1992; VCU 531, 536-538, 540, 549, 550, 551, POW; 20 MMBF
TIMBER SALE PREP.		Y	Initiate 1985; release 1992; VCU 531, 536, 537, 549, KOS; 14 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1993; VCU 531, 536-538, 540, 549, 550, 551; 20 MMBF
TIMBER SALE PREP.		Y	Initiate 1985; release 1993; VCU 531, 536, 537, 549; 14 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1994; VCU 531, 536-538, 540, 549, 550, 551; 15 MMBF
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1995; VCU 531, 536-538, 540, 549, 550, 551; 15 MMBF
SOIL STABILIZATION	Y	Y	10-25 acre/year scattered

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONSTRUCTION	Y	Y	99 miles road construction 1985-95;LTS;VCU 531,536-538,540,549;
ROAD CONSTRUCTION	Y		2 miles road reconstruction 1985;LTS;VCU 538;
BRIDGE CONSTRUCTION	Y		13 bridge replacements;VCU 531=5,536=5,537=3;1985,1987,1989
FACILITIES	Y		Whale Pass Facility; VCU 550; 1987

STANDARDS AND GUIDELINE
See the LPK 84-89 operating period EIS.

MANAGEMENT AREA SUMMARY

Management Area Number						K04	
Management Area Name						Kosciusco East	
VCUS	541.0	542.0	547.0	548.0	555.0		
LUDS	4						
						NFS ACRES	CFL ACRES
Operable CFL						----	24,765
High Visual Sensitivity						7,104	6,245
Medium Visual Sensitivity						14,940	12,251
Beach Fringe Through 500 Feet						13,628	10,516
Special/Unique Areas						0	0
Bald Eagle Nesting Areas						7,546	6,755
Total Acres						53,553	34,083

MANAGEMENT DIRECTION/EMPHASIS

This M.A. incorporates the long term sale portion of Kosciusko Island with Marble and Orr Island. Some timber harvest has taken place throughout the area in the past 15-20 years. Most of this has been by A-frame or short road systems. Opportunities exist for dispersed recreation but there is little use up to now. This area is, however, heavily used for subsistence purposes.

Timber harvest will continue at a moderate level throughout the current planning period. Subsistence inventories and analysis in cooperation with the ADF&G and affected communities will be a major consideration for the TLMP Revision and the 1989-94 long term sale operating period.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Shipley Anchor Buoy installation; VCU 541
NONSTRUC. HABITAT IMP.	Y		1985-395 ac KV wildlife slash corridors, VCU 555,Eagle/Whitecliff
NONSTRUC. HABITAT IMP.	Y		1986-410 Ac KV wildlife slash corridors,VCU 555
NONSTRUC. HABITAT IMP.	Y		1987-480 Ac Shipley Lake Fishpass, VCU 541

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y		1989-300 Ac KV wildlife slash corridors, VCU 555
NONSTRUC. HABITAT IMP.	Y		1986-100 Ac P&M wildlife slash corridors, VCU 555
NONSTRUC. HABITAT IMP.		Y	Fertilize Shipley Bay Lake 1990-94, VCU 541, 480 Ac.
TIMBER STAND IMP.	Y		Precommercial thinning; 1985-395A, VCU 555; 1986-1595A
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1985; VCU 555; 22 MMBF;
TIMBER SALE PREP.		Y	Initiated in 1985; release in 1991; VCU 542; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1992; VCU 547, 548; 1 MMBF; Misc. "A" Frame
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1993; VCU 547, 548; 1 MMBF; Misc. "A" Frame
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1995; 14 MMBF
TIMBER SALE PREP.	Y		Initiated in 1985; sell in 1988, VCU 555; 0.5 MMBF; Marble Pass salvage sale
TIMBER SALE PREP.		Y	Initiate in 1986; sell in 1995; VCU 542, 549; 2 MMBF; Devil Fish SBA;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 555; 7.3 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; VCU 555; 7.3 MMBF;
SOIL STABILIZATION		Y	20 acres scattered
ROAD CONSTRUCTION		Y	7 miles road construction; 1995; VCU 547;
ROAD CONSTRUCTION	Y		7 miles construction; Long-Term sale; VCU 555; 1985.
FACILITIES		Y	Replace 3 El Cap Trailers, VCU 536, 1992

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT AREA SUMMARY

Management Area Number K05
 Management Area Name Kosciusco West

VCUS 543.0 544.0 545.0 546.0
 LUDS 4

	NFS ACRES	CFL ACRES
Operable CFL	----	33,239
High Visual Sensitivity	1,440	1,440
Medium Visual Sensitivity	1,633	1,536
Beach Fringe Through 500 Feet	2,995	2,995
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	2,781	2,453
 Total Acres	 41,023	 35,358

MANAGEMENT DIRECTION/EMPHASIS

This M.A. is on the southern half of Kosciusco Island. The State of Alaska has selected a considerable area along the south side of the unit including Edna Bay and in the Cape Pole area for community development. Timber values are high and past cutting has been extensive.

Management emphasis will be heavy to second growth management and timber harvest of old growth timber while protecting fisheries and subsistence values. A community has developed in Edna Bay and one will likely develop within the next 5 years at Cape Pole. Special emphasis will be placed on protection of subsistence uses in the area through inventories and analysis in cooperation with ADF&G and affected communities. Management Area Analysis will be completed by 1987.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.		Y	840 Ac KV wildlife slash corridors; 1994; Ruins Point, VCU 543
NONSTRUC. HABITAT IMP.	Y		Survey Creek stream stocking 1988-91, 20 acres, VCU 545
TIMBER STAND IMP.	Y	Y	Precommercial Thinning; 1987-1500A, VCU 546; 1991-1000A, 1992-300A, 1994-400A
TIMBER SALE PREP.	Y		Initiate in 1985; sold in 1985; VCU 544; 0.1 MMBF; Shriner Flats
TIMBER SALE PREP.	Y		Initiate in 1985; sold in 1985; VCU 544; 0.3 MMBF; W. Kosciusko
TIMBER SALE PREP.	Y	Y	Initiate in 1985; sell in 1992; VCU 546; 1 MMBF; Pole Anchorage salvage sale;
TIMBER SALE PREP.	Y		Initiate in 1989; sell in 1989; VCU 544; 0.2 MMBF; Misc. Products
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1990; VCU 543,546; 0.5 MMBF; Charlie Cr. salvage sale;
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1990; VCU 546; 1 MMBF; Clump SBA sale
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1990; VCU 546; 2 MMBF; Mt Francis SBA sale

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1991; VCU 546; 1 MMBF; Lime SBA sale
TIMBER SALE PREP.		Y	Initiate in 1985; sell in 1991; VCU 543; 1 MMBF; Trout Creek SBA sale
TIMBER SALE PREP.		Y	Initiate in 1992; VCU 545, 546; sell in 1992; 1 MMBF; Misc. "A" Frame
TIMBER SALE PREP.		Y	Initiate in 1993; sell in 1993; 1 MMBF; Misc. "A" Frame
ROAD CONSTRUCTION	Y		2 miles TSI road reconstruction; VCU 544, 546;
BRIDGE CONSTRUCTION	Y	Y	9 bridge replacements; VCU 443=3, 544=2, 545=1, 546=3;

MANAGEMENT AREA SUMMARY

Management Area Number	K07									
Management Area Name	Tuxekan Narrows									
VCUS	554.2	556.0	557.0	558.0	560.0	571.0	587.0	588.0	589.0	590.0
LUDS	4									
							NFS ACRES	CFL ACRES		
Operable CFL							----	78,604		
High Visual Sensitivity							5,615	5,195		
Medium Visual Sensitivity							14,489	12,911		
Beach Fringe Through 500 Feet							9,432	8,995		
Special/Unique Areas							0	0		
Bald Eagle Nesting Areas							7,520	7,072		
Total Acres							112,271	87,056		

MANAGEMENT DIRECTION/EMPHASIS

Most of this M.A. has been developed and extensive logging has taken place over the past 20 years. State land selections have taken place in the Naukati area around the inoperative Naukati logging camp and land sales are anticipated in the near future. Roads in the P.O.W. portion are connected to the ferry at Hollis, thus giving public access to virtually the entire P.O.W. portion of the M.A.. Opportunities for dispersed recreation are abundant, one of the big attractions being the sport fishing in Staney Creek.

Emphasis will be on taking advantage of the highly productive timber growing sites in the M.A. while protecting key recreation, fish, wildlife and subsistence values. Precommercial thinning will be done on over stocked sites when they are about 15 years old. The P.O.W. portion is part of the long term sale. On P.O.W. wildlife objectives will be providing opportunities for expected users for both taking and viewing wildlife. An area on Sarkar Cove just north of Sarkar Rapids has been selected as one of four sites on Prince of Wales for future campground development. Timber harvest within the immediate area will be compatible with developed recreation and be designed to improve campground aesthetics. The Staney Creek cabin site is also identified as one of seven secondary sights to be reserved and protected for possible future recreation development. This will provide a jumping off point to the Sarkar recreation area and also the Sarkar Lagoon area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Staney Cabin KV reconstruction 1986, or rec. program 1990, VCU 587
RECREATION FACILITY	Y		Roadside camp/parking, 1985, VCU 588
TRAIL CONSTRUCTION	Y		Staney Cabin Trail KV reconstruction, 0.5 miles, 1986, VCU 587;
NONSTRUC. HABITAT IMP.	Y		Tunga Inlet Falls KV modification, 300A, 1986, VCU 554.2
NONSTRUC. HABITAT IMP.	Y		2 acre/year KV streamside planting for fish; VCU 588; 1987-88

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y		KV wildlife slash corridors; 1985-464A, VCU 554.2, 557; 1987-625A, VCU 587, 588; 1988-870A, VCU 557, 588, 589; 1989-800A, VCU 588
NONSTRUC. HABITAT IMP.		Y	KV wildlife slash corridors; 1990-100A; 1991-150A; 1994-745A
NONSTRUC. HABITAT IMP.	Y		175 Ac KV understory release girdling; VCU 587; 1987
NONSTRUC. HABITAT IMP.	Y		North Staney Creek stocking, 12 acres, 1988-91, VCU 588
NONSTRUC. HABITAT IMP.	Y		North Shaheen Creek stocking, 9 acres, 1988, VCU 589
NONSTRUC. HABITAT IMP.		Y	Tunga Inlet Lake stocking, 160 acres, 1990-94, VCU 554.2
NONSTRUC. HABITAT IMP.		Y	North Shaheen Creek KV stocking, 9A, 1991-93, VCU 589
STRUC. HABITAT IMP.	Y		Cripple Creek culvert replacement 1986, 1 acre, VCU 556
STRUC. HABITAT IMP.	Y		0.5 acre fish pond construction on Forks Spur, 1987, VCU 590
STRUC. HABITAT IMP.	Y		KV logs or similar structures, 55-1985, 20-1986, Naukati, Yatuk Cr. 20-1987, VCU 571
STRUC. HABITAT IMP.	Y		25 KV logs or similar structures 1985, Buck and Doe Cr., VCU 554.2
STRUC. HABITAT IMP.	Y		10 KV log or similar structures in Woodsey Cr. 1987, VCU 588
STRUC. HABITAT IMP.	Y		20 KV log or similar structures in Staney Cr. 1987, VCU 588
REFORESTATION	Y		85 acres scattered planting 1985; VCU 589
TIMBER STAND IMP.		Y	10 Acres per year Alder release 1990-94; VCU 571, 587
TIMBER STAND IMP.	Y	Y	50 acre/year KV alder release and mistletoe; VCU 588, 590; 1987-94
TIMBER STAND IMP.	Y		Precommercial thinning; 1985-464A, VCU 554.2(10), VCU 557(454);
TIMBER STAND IMP.	Y		Precommercial thinning; 1986-2725A; 1987-600A, VCU 571, 589; 1988-2000A, VCU 557, 587, 588; 1989-1600A, VCU 588, 590
TIMBER STAND IMP.		Y	Precommercial thinning; VCU 560; 1990-200A; 1991-150A; 1993-250A; 1994-1000A
TIMBER SALE PREP.			VCU 557, 560; 15 MMBF; Beluga SBA sale; sold 10/84
TIMBER SALE PREP.	Y		Initiated 1981; release 1985; VCU 557, 571, 587-589; 63 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 587-589; 12.5 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1985; sell in 1986; VCU 558; 0.3 MMBF; Tepmurts, salvage sale

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiate in 1985; sell in 1986; VCU 560; 2.4 MMBF; Kauda Point SBA sale
TIMBER SALE PREP.	Y		Initiate in 1985; sell in 1986; VCU 556,558; 0.5 MMBF; Kraken salvage sale
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1986;VCU 560;1.6 MMBF;Tuxekan Ridge SBA
TIMBER SALE PREP.	Y		Initiate in 1985; sell in 1987; VCU 560,587; 3.5 MMBF; Long Lake SBA
TIMBER SALE PREP.	Y		Initiate in 1984; sell in 1987; VCU 546,556; 0.5 MMBF; Cap Island SBA Sale
TIMBER SALE PREP.	Y		Initiated in 1981;release in 1987;VCU 587,588;20 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1983; sell in 1989; VCU 560,587; 3 MMBF; Tuxekan South SBA
TIMBER SALE PREP.	Y		Initiate in 1985: sell in 1988; VCU 560; 1 MMBF; Karheen Lake SBA
TIMBER SALE PREP.	Y		Initiate in 1985; sell in 1988; VCU 556; 0.2 MMBF; Misc. Products
TIMBER SALE PREP.	Y		Initiated in 1981;release in 1988;VCU 589;15 MMBF;
TIMBER SALE PREP.	Y		Initiate 1985;release 1989;VCU 571,587-590;16 MMBF;
TIMBER SALE PREP.	Y		Initiated 1985;release 1989; VCU 557; 0.3 MMBF; Shikat sale;
TIMBER SALE PREP.		Y	Initiate 1985;release 1990;VCU 571,587-590;16 MMBF;
TIMBER SALE PREP.		Y	Initiate 1986;sell in 1988;VCU 546,557;3 MMBF;Tuxekan North SBA;
TIMBER SALE PREP.		Y	Initiate 1985;release 1991;VCU 557,571,587-590;16 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1992;VCU 557,571,587-590;15 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1993;VCU 557,571,587-590;15 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1994;VCU 557,571,587-590;14 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1989; sell in 1994; VCU 556,557,560; 1 MMBF; Tuxekan III SBA;
TIMBER SALE PREP.	Y		Initiate in 1985; sold in 1985; VCU 560; 314 MMBF; Yahki Cove SBA
SOIL STABILIZATION	Y	Y	45 acres scattered
ROAD CONSTRUCTION		Y	37 miles road construction; VCU 571, 588-590;1990-95;
ROAD CONSTRUCTION	Y		8 miles road reconstruction; VCU 571, 588-590;1989;
ROAD CONSTRUCTION	Y		0.2 miles construction, VCU 560, Tuxekan Ridge sale, 1986;
FACILITIES		Y	Field camp
FACILITIES		Y	Replace 3 trailers in 1990, VCU 557
BRIDGE CONSTRUCTION	Y	Y	22 bridge replacements; VCU 554, 571, 588-590;

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
REFORESTATION	Y	Y	25 acre/year scattered plantings; 1993-1994
REFORESTATION	Y		300 acres site preparation (burning); 1988 VCU 574;
TIMBER STAND IMP.	Y	Y	50 acre/year KV alder release or mistletoe; all VCU's but 575; 1988-1994
TIMBER STAND IMP.	Y	Y	10 acres/year Alder release; all VCU's but 575; 1987, 1989-1994
TIMBER STAND IMP.	Y	Y	Precommercial thinning; 1985-80A, VCU 577; 1987-210A, VCU 577 1989-800A, VCU 574; 1990-1994, 600 Ac/yr.
TIMBER SALE PREP.	Y		Initiated in 1981; release 1985; VCU 573, 578; 13 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 574, 578; 22 MMBF;
TIMBER SALE PREP.	Y		Initiated 1981; release 1987; VCU 573, 574, 577, 578; 33 MMBF;
TIMBER SALE PREP.	Y		Initiated 1981; release 1988; VCU 573, 574, 577; 25 MMBF;
TIMBER SALE PREP.	Y		Initiate 1985; release 1989; VCU 552, 553, 573-574, 577, 578; 19 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1990; VCU 552, 553, 573-575, 577, 578; 19 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1991; VCU 552, 553, 573-575, 577, 578; 19 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1992; VCU 552, 553, 573-575, 577, 578; 19 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1993; VCU 552, 553, 573-575, 577, 578; 18 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; release 1994; VCU 552, 553, 573-575, 577, 578; 13 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985; sell in 1994; VCU 577; 9 MMBF; Log Jam; SBA sale with augmentation;
TIMBER SALE PREP.		Y	Initiate 1985; release 1995; VCU 552, 553, 573-575, 577, 578; 13 MMBF;
SOIL STABILIZATION	Y	Y	200 acres scattered 1986-94
ROAD CONSTRUCTION	Y	Y	55 miles road construction; VCU 573, 574, 577; 1989-95;
ROAD CONSTRUCTION		Y	11 miles construction; VCU 577; Log Jam sale; 1994;
BRIDGE CONSTRUCTION	Y	Y	10 bridge replacements; VCU 552, 573, 575;

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiated 1981;release 1988;13.5 MMBF
TIMBER SALE PREP.	Y		Initiate 1985;release 1989;VCU 579,580,582-585;10 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1990;VCU 579,580,582-585;10 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1991;VCU 579,580,582-585;10 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1992;VCU 579,580,582-585;10 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1993;VCU 579,580,582-585;11 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1994;VCU 579,580,582-585;18 MMBF;
TIMBER SALE PREP.		Y	Initiate 1985;release 1995;VCU 579,580,582-585; 18 MMBF
SOIL STABILIZATION	Y	Y	115 acres scattered
ROAD CONST.	Y		4 miles reconstruction in 1986 for TSI; VCU 579;
ROAD CONST.	Y	Y	41 miles construction, 1989-95; VCU 572, 581-583;
BRIDGE CONST.	Y		Eagle Creek Bridge replacement, 1986;VCU 581;
BRIDGE CONST.		Y	4 replacement bridges; VCU 581, 585;

STANDARDS AND GUIDELINES

See the LPK 84-89 operating period EIS.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiated in 1981;release 1988;VCU 598;6 MMBF;
TIMBER SALE PREP.	Y		Initiated 1985;sold 1985; VCU 598; 1.0 MMBF; Goose Creek II;
TIMBER SALE PREP.	Y		Initiate in 1985;release in 1989;VCU 586,598;10 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1990;VCU 586,598;10 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1991;VCU 586,598;10 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1992;VCU 586,598;10 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1993;VCU 586,598;9 MMBF;
SOIL STABILIZATION	Y	Y	45 acres scattered
ROAD CONST.	Y	Y	2 miles TSI reconstruction;VCU 586;
ROAD CONST.		Y	24 miles construction, Long term sale, 1989-93;VCU 598;
BRIDGE CONST.		Y	2 bridge replacements, 1994; VCU 598;
ADMIN. FACILITY	Y		Install 4 trailers at Thorne Bay, VCU 586; 1985
ADMIN. FACILITY	Y		Construct Ranger House at Thorne Bay, VCU 586; 1985
ADMIN. FACILITY	Y		Construct Thorne Bay office addition, VCU 586; 1986
ADMIN. FACILITY	Y		Construct Thorne Bay warehouse addition, VCU 586; 1989
ADMIN. FACILITY	Y		Replace 2 trailers at Thorne Bay in 1988; VCU 586
ADMIN. FACILITY		Y	Replace 3 trailers at Thorne Bay in 1993; VCU 586

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

Management Area Number
 Management Area Name

K11
 Heceta

VCUS 558.0 559.0 561.0 562.0 563.0 570.0
 LUDS 4

	NFS ACRES	CFL ACRES
Operable CFL	----	34,294
High Visual Sensitivity	2,380	2,380
Medium Visual Sensitivity	2,242	2,158
Beach Fringe Through 500 Feet	8,741	8,313
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	4,696	4,267
Total Acres	44,054	37,811

MANAGEMENT DIRECTION/EMPHASIS

This limestone island is highly productive for timber. Heceta Island is an important local deer hunting area due to its high deer population. Past timber harvest has been extensive in the northern and eastern portions of the M.A. Primary emphasis is timber production. TSI will be done throughout the area to improve productivity for timber and wildlife.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	KV wildlife slash corridors; 1985-306A,VCU 558,561; 1986-160A, VCU 559,561; 1987-300A, VCU 559; 1988-300A, VCU 558; 1990-500A;1991-500A; 1993-625A, Timber Knob; 1994-755A, Warm Chuck/Cherumba
STRUC. HABITAT IMP.		Y	15 KV log type cr. structures,units in VCU 558, 1990
STRUC. HABITAT IMP.		Y	15 KV log type cr. structures, harvest units in VCU 561,1990
STRUC. HABITAT IMP.		Y	20 KV log type cr. structures, harvest units in VCU 559,1990
REFORESTATION	Y	Y	Planting; all VCU's; 1986-50A; 1993-1994, 10 Ac/yr
TIMBER STAND IMP.	Y		Precommercial thinning; 1985-1939A; VCU 558 (110), 561 (196), 562 (303), 570 (1330);
TIMBER STAND IMP.	Y		30 acres/year alder release or Mistletoe; 1988-89; all VCUs
TIMBER STAND IMP.	Y		Precommercial thinning; 1986-160A; 1987-300A, VCU 559; 1988-2050A, VCU 558(500),559(1250),561(300)
TIMBER STAND IMP.		Y	Precommercial thinning; 1990,1991,1993; 1000 Ac/yr
TIMBER STAND IMP.		Y	10 acres alder release 1993
TIMBER SALE PREP.	Y		Initiated 1981;release 1985;VCU 558,559,561; 30 MMBF;
TIMBER SALE PREP.	Y		Initiated 1981;release 1986;VCU 558,559,561,570; 15 MMBF;

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiated 1984; sell in 1986; VCU 561,562; 2 MMBF; Warm Chuck Comm Thin, SBA;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; VCU 559,561; 15 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1988; VCU 562,563,570:20 MMBF;
TIMBER SALE PREP.	Y		Initiate in 1985; sell in 1986; VCU 561; 0.2 MMBF; Bald Mountain;
TIMBER SALE PREP.	Y		Initiated in 1985; sell in 1986; VCU 561; 0.3 MMBF; Butter Ball salvage sale.
TIMBER SALE PREP.		Y	Initiate in 1986; sell in 1992; VCU 559,561-563; 3 MMBF; Heceta Is. I, SBA
TIMBER SALE PREP.		Y	Initiate in 1986; sell in 1993; VCU 559,561-563; 4 MMBF; Heceta Is. II, SBA
TIMBER SALE PREP.		Y	Initiate in 1986; sell in 1994; VCU 559,561-563; 3 MMBF; Heceta Is. III, SBA
ROAD CONST.	Y		3 miles TSI reconstruction; VCU 570; 1986;
ROAD CONST.	Y		25 miles construction, 1985-88; VCU 558,559,561,570;
BRIDGE CONST.		Y	5 bridge replacements; 1990; VCU 558, 559, 561;

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT AREA SUMMARY

Management Area Number K14
 Management Area Name Craig

VCUS 591.0 592.0 593.0 594.0 595.0 609.0 623.0* 625.0* 630.0*
 LUDS 4

	NFS ACRES	CFL ACRES
Operable CFL	----	32,534
High Visual Sensitivity	2,232	1,999
Medium Visual Sensitivity	5,583	4,258
Beach Fringe Through 500 Feet	10,454	7,486
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	4,379	4,041
 Total Acres	 116,028	 48,463

MANAGEMENT DIRECTION/EMPHASIS

This unit contains many Native Land selections. A wide variety of opportunities exist for recreation.

Management Direction will be to work with the Native land owners to mutually benefit their and National Forest Management objectives through possible land exchange, cooperative roading agreements and sharing of terminal transfer facilities. Special emphasis will be given to protection of subsistence uses in the area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	Steelhead Creek stocking, 6 acres, VCU 595, 1989-91
STRUC. HABITAT IMP.	Y		20 KV log or similar cr. structures, in units in VCU 595, 1989
REFORESTATION	Y	Y	Planting; VCU 591; 1993-1994, 15 Ac/yr
TIMBER STAND IMP.		Y	50 acres KV release/mistletoe; VCU 591; 1994
TIMBER STAND IMP.		Y	10 acres Alder release ; VCU 591; 1994
TIMBER SALE PREP.	Y		Initiated in 1981; offered in 1985; VCU 591, 593; 31 MMBF; Shaheen sale
TIMBER SALE PREP.	Y		Initiated in 1981; release 1985; VCU 595; 5 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 595; 12 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; VCU 595; 5 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1988; VCU 591; 1.5 MMBF;
TIMBER SALE PREP.	Y		Initiate in 1985; release in 1989; VCU 591, 594, 595; 12 MMBF;

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiate in 1988;sell in 1989; VCU 591; 0.5 MMBF TIMBER SALE PREP. Y Initiate in 1989;sell in 1989; VCU 591; 0.2 MMBF; Misc Products
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1990;VCU 591,594,595;12 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1991;VCU 591,594,595; 12 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981;sell in 1986; VCU 591; 6.6 MMBF; Kagut SBA
TIMBER SALE PREP.	Y		Initiated in 1981;sell in 1988; VCU 591; 5 MMBF; Nossuk I, SBA, with augmentation.
TIMBER SALE PREP.	Y		Initiated in 1981;sell in 1989; VCU 591; 6 MMBF; Nossuk II, SBA, with augmentation.
TIMBER SALE PREP.		Y	Initiated in 1981;sell in 1991; 6 MMBF; VCU 591 Salt Lake SBA; augmentation.
TIMBER SALE PREP.		Y	Initiate in 1985,release in 1992;VCU 591,594,595; 12 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1993;VCU 591,594,595;12 MMBF;
SOIL STABILIZATION		Y	80 acres scattered, 1991-94; 1st ave 3 mi/yr 2nd
ROAD CONSTRUCTION		Y	30 miles construction, Long-Term sale; 1989-93; VCU 591-595;
ROAD CONSTRUCTION	Y		3.8 miles construction; VCU 591; Kagut sale; 1986
ROAD CONSTRUCTION	Y		1 mile construction; VCU 591; Nossuk I; 1988
ROAD CONSTRUCTION		Y	4.1 miles construction; VCu 591; Salt Lake sale; 1991
BRIDGE CONST.		Y	2 bridge replacements in 1994;VCU 591;
ADMIN. FACILITY	Y		Craig RS Office reconstruction, 1987
ADMIN. FACILITY	Y		Craig RS Phase II construction, 1988-89

* VCUS 623.0 625.0 630.0 are located on the Craig Ranger District; these VCUS are fragments of the originally designated VCUS. Activities listed above occur on Thorne Bay Ranger District.

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y		Precommercial thinning; 1985-959A, VCU 597.2; 1986-630A; 1988-500A VCU 597*
TIMBER STAND IMP.		Y	50 acres alder release; VCU 576; 1992
TIMBER SALE PREP.	Y		Initiated 1983; sold 1985; VCU 597; 1.5 MMBF; Angel Lake SBA
TIMBER SALE PREP.	Y		Initiated in 1985; sell in 1986; VCU 596; 1.5 MMBF; Balls Lake SBA
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 596; 3 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1983; sell in 1987; VCU 597; 6 MMBF; Sneaky Pete, SBA/augmentation
TIMBER SALE PREP.	Y		Initiated in 1984; sell in 1987; VCU 596, 597; 5 MMBF; Glacier, SBA/augmentation
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1988; VCU 596, 597; 32 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1984; sell in 1990; VCU 596; 9 MMBF; Beaver sale, SBA/augmentation
TIMBER SALE PREP.	Y		Initiated in 1984; sell in 1991; VCU 596; 9 MMBF; Fork Creek sale, SBA/augmentation
TIMBER SALE PREP.		Y	Initiated in 1984; sell in 1992; VCU 595, 596; 7.5 MMBF; Control Lake; SBA/augmentation
TIMBER SALE PREP.		Y	Initiated in 1984; sell in 1993; VCU 596; 9 MMBF; Cutthroat sale; SBA
SOIL STABILIZATION	Y	Y	95 acres scattered, 1989-94
ROAD CONST.	Y	Y	58 miles construction; 1986-94; VCU 576, 596, 597;
ROAD CONSTRUCTION	Y		6.3 miles construction; VCU 597; Sneaky Pete Sale, 1987.
ROAD CONSTRUCTION	Y		4 miles construction; VCU 596, 597; Glacier Sale, 1987.
ROAD CONSTRUCTION		Y	6.5 miles construction; VCU 596; Beaver Sale, 1990.
ROAD CONSTRUCTION		Y	7.5 miles construction; VCU 596; Fork Cr. Sale; 1991.
ROAD CONSTRUCTION		Y	5 miles construction; VCU 595, 596; Control Lake Sale; 1992.
ROAD CONSTRUCTION		Y	5.5 miles construction; VCU 596; Cutthroat Sale; 1993.
BRIDGE CONST.	Y		4 bridge replacements; 1985; VCU 596;
BRIDGE CONST.		Y	3 bridge replacements; 1991; VCU 597;
BRIDGE CONST.		Y	2 bridge replacements; 1994; VCU 597;

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

KETCHIKAN AREA

CRAIG RANGER DISTRICT

MANAGEMENT ACTIVITIES	TIME PERIOD		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y		100 acre/year chinook lake stocking, 1985-89
STRUC. HABITAT IMP.	Y		log type structures, Snipe Creek, 25-1985, 25-1986, VCU 624
STRUC. HABITAT IMP.	Y		30 KV log type structures, Twelvemile Creek, 1987, VCU 621
STRUC. HABITAT IMP.	Y		22 P&M log type structures, Fubar Creek, 1985, VCU 622
TIMBER STAND IMP.	Y	Y	10 acre/year KV wildlife thinning, 1986-94
TIMBER STAND IMP.	Y		154 acre second growth wildlife thinning, VCUs 610, 611, 621, 622; 1985
TIMBER STAND IMP.	Y	Y	100 acre/year release/mistletoe, VCUs 621, 624; 1987-88 and 1990-92
TIMBER STAND IMP.	Y	Y	4100 acres thinning, 200-800 acre/year, VCU 610, 621, 622, 1985-94
TIMBER STAND IMP.	Y		50 acre/year Alder release, 1987-88
TIMBER STAND IMP.		Y	10 acre/year Alder release, 1993-94
TIMBER SALE PREP.	Y		Initiated in 1984; sell in 1986; VCU 622; 1 MMBF; One Duck sale; SBA
TIMBER SALE PREP.	Y		Initiate in 1985; release in 1989; VCU 621, 622; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1990; VCU 621, 622; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1991; VCU 621, 622; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1992; VCU 621, 622; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1993; VCU 621, 622; 7 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1994; VCU 621, 622; 7 MMBF;
SOIL STABILIZATION	Y	Y	55 acres scattered, 1989-94
ROAD CONST.	Y		3 miles TSI reconstruction; 1986; VCU 624;
ROAD CONST.	Y		0.2 miles; One Duck Sale; 1986; VCU 610;
ROAD CONST.	Y		11 miles construction; tie to Polk Inlet; 1985; VCU 621, 624;
ROAD CONST.	Y		0.3 miles construction; SBA Sale; 1986; VCU 621, 622
ROAD CONST.	Y	Y	13 miles construction; Long Term Sale; 1989-90; VCU 621;
ROAD CONST.		Y	5 miles construction; Long Term Sale; 1994; VCU 624;
BRIDGE CONST.		Y	2 bridge replacements; 1994; VCU 624;

MANAGEMENT ACTIVITIES	TIME PERIOD		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1990;VCU 619,620; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1991;VCU 619,620; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1992;VCU 619,620; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1993;VCU 619,620; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1994; VCU 619,620; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985;release in 1995; VCU 619,620,674; 20 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1985;sell in 1986; VCU 621; 0.5 MMBF; Polk Tie SBA
SOIL STABILIZATION	Y	Y	125 acres scattered, 1989-94
ROAD CONST.	Y		12 miles; Polk Inlet; Long Term
ROAD CONST.	Y		Sale preroadng; 1985; VCU 620;
ROAD CONST.	Y		5.5. miles construction; Polk Tie
ROAD CONST.	Y		Road; 1987; VCU 620;
ROAD CONST.	Y		18 miles construction; Long Term
ROAD CONST.		Y	Sale; 1986-89; VCU 619,620;
ROAD CONST.		Y	68 miles construction; Long Term
ADMIN. FACILITY	Y		Sale; 1990-95; VCU 619,620,674;
ADMIN. FACILITY		Y	Polk Inlet field camp, Phase I
ADMIN. FACILITY		Y	constrution, 1989
ADMIN. FACILITY		Y	Polk Inlet field camp, Phase II
ADMIN. FACILITY		Y	construction, 1990-91

MANAGEMENT AREA SUMMARY

Management Area Number K19
Management Area Name Spiral - Clover

VCUS 614.0 615.0 616.0 617.0 676.0
LUDS 4

	NFS ACRES	CFL ACRES
Operable CFL	----	10,197
High Visual Sensitivity	704	740
Medium Visual Sensitivity	156	156
Beach Fringe Through 500 Feet	5,199	3,481
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	4,564	3,332
Total Acres	42,588	13,562

MANAGEMENT DIRECTION/EMPHASIS

This Management Area is on the east side of Prince of Wales Island between Kaasan Bay and Chomodeley Sound. The area is characterized by numerous small lakes, muskegs, and low volume commercial forest land. Major recreation opportunities include beach combing along the shores of Clarence Strait, lake fishing, and hunting. The area has relatively limited opportunity for timber harvest without significant amounts of prerooting. No programmed timber harvest is planned for this planning period. The visual quality objective (VQU) ranges from partial retention to maximum modification.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Trollers Cove Cabin construction in 1985 VCU 615.
RECREATION FACILITY	Y		Anchor Buoy at Trollers Cove, 1986, VCU 615
STRUC. HABITAT IMP.	Y		Monie Lake Fish Pass, 1988, VCU 616

MANAGEMENT AREA SUMMARY

Management Area Number	K20				
Management Area Name	Sumez				
VCUS	633.0	634.0	635.0	636.0	637.0
LUDS	4				
				NFS ACRES	CFL ACRES
Operable CFL				----	17,434
High Visual Sensitivity				894	894
Medium Visual Sensitivity				3,020	3,020
Beach Fringe Through 500 Feet				4,988	4,727
Special/Unique Areas				0	0
Bald Eagle Nesting Areas				3,939	3,760
Total Acres				38,913	23,708

MANAGEMENT DIRECTION/EMPHASIS

This Management Area includes the entire Suemez Island and northwest tip of Dall Island. A major recreation opportunity includes beach combing, particularly along the sand beach in Arena Cove. A unique volcanic rock formation on the south end of the island at Cape Felix will be recommended for classification as a geologic area. A road/trail connection is planned from Port Refugio to Arena Cove. Deer habitats and populations will be monitored to assess the effects of timber harvest. A Management Area Analysis with Standards and Guidelines was completed for the area in 1981.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY		Y	Arena Cove Cabin construction, VCU 636, 1992
TRAIL CONST.		Y	Port Refugio - Arena Cove, 5 miles construction, VCU 635,636
NONSTRUC. HABITAT IMP.	Y	Y	Wildlife burning on Suemez, 30 Ac/yr 1986-87, 50 Ac/yr 1988-94
NONSTRUC. HABITAT IMP.	Y		Santa Cruz KV log jam removal, 5 acres, 1987, VCU 634
NONSTRUC. HABITAT IMP.		Y	Meares Passage gravel catchments, 1991, VCU 637, 10 acres
REFORESTATION	Y	Y	Burn 120 acres and plant, 70 acres; 1988-1989, all VCUs
TIMBER STAND IMP.		Y	100 acre/year release/mistletoe, 1993-94, all VCUs
TIMBER STAND IMP.	Y		50 acres alder release; 1988; VCU 635
TIMBER SALE PREP.	Y		Initiated 1981; sell in 1989; VCU 633,634; 12 MMBF; Dolores SBA sale
TIMBER SALE PREP.		Y	Initiated 1981; sell in 1990; VCU 634, 636, 637; 12 MMBF; Santa Cruz SBA sale
SOIL STABILIZATION	Y	Y	110 acres scattered, 1987-93
ROAD CONST.	Y		6 miles construction; Dolores Sale; 1989; VCU 634, 635; partial augmentation;
ROAD CONST.		Y	6 miles construction; Santa Cruz Sale; 1990; VCU 634;

STANDARDS AND GUIDELINES
See Sumez Management Area Analysis.

MANAGEMENT AREA SUMMARY

Management Area Number									K21
Management Area Name									Sukkwun
VCUS	631.0	632.0	668.0	670.0	671.0	672.0	673.0	685.0	686.0
	688.0	689.0	865.0						
LUDS	3,4								
						NFS ACRES		CFL ACRES	
Operable CFL						----		50,844	
High Visual Sensitivity						1,132		692	
Medium Visual Sensitivity						1,518		1,254	
Beach Fringe Through 500 Feet						18,819		13,183	
Special/Unique Areas						0		0	
Bald Eagle Nesting Areas						12,379		9,829	
Total Acres						151,165		73,706	

MANAGEMENT DIRECTION/EMPHASIS

This Management Unit includes land on the west coast of South Prince of Wales Island and adjacent islands in Cordova Bay. The area includes a wide variety of management opportunities. Management direction for this area will be to work with the Native land owners to mutually benefit their and National Forest management objectives through possible land exchanges, cooperative roading agreements and sharing of terminal transfer facilities. Special emphasis will be placed on protection of subsistence uses in the area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
STRUC. HABITAT IMP.		Y	Keete Inlet falls fishpass, 1992, VCU 685
TIMBER STAND IMP.		Y	700 acres thinning, 1991, VCU 632
TIMBER SALE PREP.	Y		Initiated in 1984; sell in 1985; VCU 631, 632; 6.6 MMBF; Shelikof ; SBA
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1994; VCU 686; 20 MMBF;
TIMBER SALE PREP.		Y	Initiate in 1985; release in 1995; VCU 685, 686; 20 MMBF
SOIL STABILIZATION		Y	10 acres scattered, 1994
ROAD CONST.		Y	20 miles construction; Long Term Sale; 1994-95; VCU 685, 686; preroding;

MANAGEMENT AREA SUMMARY

Management Area Number	K22									
Management Area Name	Dall Island									
VCUS	638.0	639.0	640.0	641.0	642.0	643.0	644.0	645.0	646.0	
	647.0	648.0	649.0	650.0	651.0	653.0	654.0	655.0	656.0	
	659.0	660.0	661.0	662.0	663.0	666.0				
LUDS	3,4									

	NFS ACRES	CFL ACRES
Operable CFL	----	40,806
High Visual Sensitivity	202	101
Medium Visual Sensitivity	23,425	17,227
Beach Fringe Through 500 Feet	14,350	12,243
Special/Unique Areas	77	77
Bald Eagle Nesting Areas	12,825	11,067
Total Acres	92,688	59,784

MANAGEMENT DIRECTION/EMPHASIS

This Management Area includes all but the southern tip of Dall Island. The area is highly productive for timber, has good fish and wildlife populations, and rates high for its scenic and beach combing attractions on the outside. A large part of the island has been selected by the Sealaska Corporation. Timber sales are planned on the north and middle part of the island this planning period and in the future period. The Forest Service will work with the Sealaska Corporation towards mutually benefitting their and National Forest management objectives such as possible land exchanges, cooperative roading and terminal transfer agreements. Management Area Analysis is in progress for the upper Middle half of the Area and should be completed by 1986.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	50 acre/year wildlife burn, 1988-94
NONSTRUC. HABITAT IMP.		Y	Fisherman Cove (Dall Isl) KV log jam removal, 1990, VCU 644
NONSTRUC. HABITAT IMP.	Y		Bobs Bay KV log jam removal, 2 acres, 1989, VCU 639
REFORESTATION		Y	50 acre/year KV burn and plant, ; VCUs 638-643; 1993-94
TIMBER SALE PREP.		Y	Initiated in 1982; sell in 1991; VCU 638-643; 10 MMBF, Meares SBA Sale;
TIMBER SALE PREP.		Y	Initiated in 1983; sell in 1992; VCU 645-656; 10 MMBF; Devil Lake SBA sale
TIMBER SALE PREP.		Y	Initiate in 1982; sell in 1993; VCU 638-643; 10 MMBF, Bob's Bay SBA Sale;
TIMBER SALE PREP.		Y	Initiated in 1983; sell in 1994; VCU 645-656; 10 MMBF, Welcome Lake
SOIL STABILIZATION	Y	Y	130 acres scattered, 1989-94
ROAD CONST.	Y		11 miles R.O.W. from Sealaska; Rose Inlet/coco and Grace Harbor; VCUs 650, 654; 1989; augmentation
ROAD CONST.		Y	10 miles Meares Sale augmentation and TTF; VCU 638-643;
ROAD CONST.	Y		10 miles construction; Devil Lake Sale; VCU 638-643; augmentation
ROAD CONST.		Y	10 miles Bobs Bay sale, VCU 638-643

MANAGEMENT ACTIVITIES	TIME PERIOD		REMARKS
	1985-89	FUTURE	
ROAD CONST.		Y	10 miles Welcome Lake sale, TTF Coco/Rose Inlet, VCU 645-656
NONSTRUC. HABITAT IMP.	Y		Waterfall BAY KV falls modification, 130 acres, 1989, VCU 648
STURC. HABITAT IMP.	Y		Bobs Bay KV gravel catchments, 1989, VCU 639

MANAGEMENT AREA SUMMARY

Management Area Number					K23	
Management Area Name					Cape Muzon	
VCUS	664.0	665.0	667.0	866.0		
LUDS	2					
					NFS ACRES	CFL ACRES
Operable CFL					----	932
High Visual Sensitivity					0	0
Medium Visual Sensitivity					817	817
Beach Fringe Through 500 Feet					1,090	736
Special/Unique Areas					0	0
Bald Eagle Nesting Areas					1,589	895
Total Acres					9,477	3,212

MANAGEMENT DIRECTION/EMPHASIS

This Management Area is located on southwestern tip of Dall Island and faces outside waters. It is a remote area with spectacular rock features. The coast line is indented with several small bays. Management direction is for dispersed recreation. Land will be managed in a roadless state to retain its wildland character. Primitive recreation facility development and trails will be allowed.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	

No development activities scheduled
presently

MANAGEMENT AREA SUMMARY

Management Area Number						K25	
Management Area Name						Moria	
VCUS	682.0	683.0	691.0	692.0	693.0		
LUDS	3,4						
						NFS ACRES	CFL ACRES
Operable CFL						-----	20,905
High Visual Sensitivity						9,756	9,679
Medium Visual Sensitivity						5,408	3,943
Beach Fringe Through 500 Feet						6,621	4,963
Special/Unique Areas						0	0
Bald Eagle Nesting Areas						5,663	4,221
Total Acres						63,106	30,321

MANAGEMENT DIRECTION/EMPHASIS

This Management Area is on the Southeast Prince of Wales Island and includes all of Moria Sound except the Kegan Watershed which is a separate Management Area under LUD II management.

Moria Sound has good opportunities for small boat uses such as hunting, fishing (both saltwater and freshwater), and beach combing. Management emphasis will be for timber harvest and dispersed recreation. Road access to the area is not planned for this planning period nor envisioned for the foreseeable future. The visual quality objectives will generally be modification as seen in the foreground from saltwater. Key areas such as anchorages, beaches, fish streams and lakes will be protected through more restrictive VQO's developed by an IDT when planning specific projects in the area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y		Perkins Creek fishpass,1991,VCU 692
STRUC. HABITAT IMP.	Y		Aiken Cove fishpass,1992,VCU 682

MANAGEMENT AREA SUMMARY

Management Area Number	K27							
Management Area Name	S. Prince of Wales							
VCUS	687.0	690.0	696.0	697.0	698.1	705.0	706.0	707.0
LUDS	1							
						NFS ACRES	CFL ACRES	
Operable CFL						---	11,627	
High Visual Sensitivity						738	576	
Medium Visual Sensitivity						1,762	1,422	
Beach Fringe Through 500 Feet						10,605	6,281	
Special/Unique Areas						0	0	
Bald Eagle Nesting Areas						15,077	8,824	
Total Acres						97,033	32,360	

MANAGEMENT DIRECTION/EMPHASIS

The South Prince of Wales Management Area consists of 97,033 areas and is located on the southwestern shore of this island. A series of drainages dissects the landform creating a highly irregular coastline with numerous freshwater streams and small inland water bodies. The rocky coastline faces Dixon Entrance and is spectacular in its picturesque setting. No recreational facilities currently exist in the area. Dispersed recreational use has been centered from ocean going watercraft.

This area will be managed for Wilderness preservation under the Wilderness Act and ANILCA. Other uses will be allowed only to the extent they are consistent with this paramount objective or subject to valid existing rights. A Management Plan for the area will be completed in 1985. This Plan will provide a specific management prescription for the area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
MINERALS ACTIVITY	Y		Validity examination of existing mining claims
NONSTRUC. HABITAT IMP.		Y	Brownson Bay Fall fish pass, 1992, VCU 705
STRUC. HABITAT IMP.		Y	Klalus Lake Falls fish pass, 1990, VCU 687

KETCHIKAN AREA

KETCHIKAN RANGER DISTRICT

MANAGEMENT AREA SUMMARY

Management Area Number	K29							
Management Area Name	N. Cleveland							
VCUS	708.0	709.0	710.0	711.0	712.0	718.0	720.0	721.0
LUDS	3,4							
						NFS ACRES	CFL ACRES	
Operable CFL						----	36,951	
High Visual Sensitivity						3,593	2,714	
Medium Visual Sensitivity						4,745	2,856	
Beach Fringe Through 500 Feet						6,055	4,614	
Special/Unique Areas						0	0	
Bald Eagle Nesting Areas						3,901	3,215	
Total Acres						76,121	43,855	

MANAGEMENT DIRECTION/EMPHASIS

This Management Area is located on the northwestern part of Cleveland Peninsula. The community of Meyers Chuck is located in this Management Area. Major opportunities provided are dispersed recreation (primarily fishing and hunting for deer and goats) and timber harvest. Small boat use from Ketchikan is limited due to unprotected water and lack of anchorages along Clarence Strait. The Clarence Strait side of the Management Area is seen from the Alaska ferry and cruise ships passing by. The VQO as seen from the ferry and cruise ship route will range from partial retention to modification. A special mountain goat study has been completed in this Management Area along with K30 and K31, in cooperation with ADF&G, to better determine habitat needs, uses, and effects of timber harvest on goat habitat. The area has a high percentage of commercial forest land and topography that lends itself to an interconnected road system on the peninsula. Management Area Analysis is currently in progress on this area and should be completed in 1986. A Forest Service administrative facility is planned in Port Stewart. Special emphasis will be given to protection of subsistence values in the Meyer's Chuck area.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y		Vixen Inlet fishpass, 1989, VCU 720
STRUC. HABITAT IMP.		Y	15 log type stream structures, 1993, VCU 709-721
SOIL STABILIZATION		Y	10 acres scattered, 1994

MANAGEMENT AREA SUMMARY

Management Area Number	K30							
Management Area Name	S. Cleveland							
VCUS	713.0	714.0	715.0	716.0	717.0	719.0	722.0	723.0
LUDS	3,4							
						NFS ACRES	CFL ACRES	
Operable CFL						----	41,875	
High Visual Sensitivity						7,788	5,177	
Medium Visual Sensitivity						19,854	13,237	
Beach Fringe Through 500 Feet						13,411	7,460	
Special/Unique Areas						0	0	
Bald Eagle Nesting Areas						6,855	4,634	
Total Acres						114,899	58,884	

MANAGEMENT DIRECTION/EMPHASIS

This Management Area is located on the Southeast part of Cleveland Peninsula. It is highly used by the Ketchikan public for its variety of recreation opportunities. Primary attractions include saltwater fishing (particularly in the Caamano Pt./Bond Bay areas), deer, bear and goat hunting, fishing in the lakes and streams and crabbing. Helm Bay is the most heavily used area and contains an 8 person recreation cabin and saltwater dock facility. The Clarence Strait side of the Management Area is visible from the ferry and cruise ship route. The area contains considerable commercial forest land and topography well suited for an interconnected road system. Management Area Analysis is in progress on this area and is expected to be completed in 1986. No roading or timber harvest is scheduled before 1989. A mountain goat study has been completed in cooperation with the ADF&G to determine habitat needs, use, and effects of timber harvest.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Helm Creek anchor buoy, VCU 716; 1985
RECREATION FACILITY	Y		Helm Bay Cabin toilet replacement, 1986,VCU 716
RECREATION FACILITY	Y		Helm Creek Cabin construction, 1985,VCU 716
NONSTRUC. HABITAT IMP.	Y		75 acre wildlife thinning, 1986
NONSTRUC. HABITAT IMP.	Y	Y	50 acre/year wildlife thinning, 1987-94
NONSTRUC. HABITAT IMP.	Y		25 acre/year KV wildlife canopy opening thinning, 1989-94
STRUC. HABITAT IMP.		Y	Smugglers Cove fishpass,1992,VCU 715
STRUC. HABITAT IMP.		Y	10 log type structures,Granite Creek, 1993,VCU 717
TIMBER SALE PREP.		Y	Initiated in 1984;sell in 1993;VCU 719;12 MMBF;North Stewart SBA sale/TTF and augmentation
TIMBER SALE PREP.		Y	Initiated in 1984;sell in 1995;VCU 723;12 MMBF;Heckman Point SBA sale with augmentation
SOIL STABILIZATION	Y	Y	55 acres scattered, 1988-94
ROAD CONST.		Y	7 miles construction VCU 719; 1993;
ROAD CONST.		Y	7 miles construction; VCU 723; 1995;
ADMIN. FACILITY	Y		Port Stewart field camp design 1985-87,VCU 719

MANAGEMENT AREA SUMMARY

Management Area Number	K31					
Management Area Name	N. Behm Canal					
VCUS	724.0	725.0	726.0	727.0	728.0	729.0 731.0
LUDS	2					
					NFS ACRES	CFL ACRES
Operable CFL					----	15,078
High Visual Sensitivity					19,257	14,996
Medium Visual Sensitivity					13,205	9,358
Beach Fringe Through 500 Feet					10,417	8,958
Special/Unique Areas					0	0
Bald Eagle Nesting Areas					6,165	5,507
Total Acres					117,204	50,309

MANAGEMENT DIRECTION/EMPHASIS

Management Area 31 is characterized by steep forested slopes, alpine areas, fiords, and lakes. Existing management is for dispersed recreation, fishing and hunting. Developed recreation facilities include Forest Service cabins (on Reflection Lake, Lake McDonald, and Anchor Pass), 5 Forest Service trails, and 2 private recreation resorts. The area is accessible from Ketchikan by float plane and boat. Forest Service cabins receive moderate to high use and the private resorts receive substantial use from out of state visitors. Management direction is presently for dispersed recreation. Future management will continue the present emphasis on dispersed recreation and roadless character.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.		Y	2 miles reconstruction, McDonald Lake trail, 1993,VCU 724
NONSTRUC. HABITAT IMP.	Y		McDonald Lake fertilization, 1985-89,VCU 724

MANAGEMENT AREA SUMMARY

Management Area Number	K32								
Management Area Name	West Revilla								
VCUS	732.0	733.0	734.0	735.0	736.0	737.0	738.0	739.0	740.0
	741.0	744.0							
LUDS	3,4								

	NFS ACRES	CFL ACRES
Operable CFL	-----	54,297
High Visual Sensitivity	19,768	17,118
Medium Visual Sensitivity	14,681	12,226
Beach Fringe Through 500 Feet	12,224	11,215
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	9,397	8,801
 Total Acres	 175,004	 100,445

MANAGEMENT DIRECTION/EMPHASIS

This Management Area includes all land draining into Traitors Cove, Neets Bay, Shrimp Bay - Gedney Pass. It also includes Gedney Island, Hassler Island, Blank Island, and the Carroll River Drainage. This Management Area has high small boat use due to its proximity to Ketchikan and relatively protected waterways. Part of the LPK long term sale is in this Management Area. A recreation cabin is on Hassler Island and two are at Orchard Lake. Management Area Analyses are in progress for this area as well as all Management Areas in the non-Wilderness part of Revilla Island. In the Interim, management emphasis will continue to be timber harvest, dispersed recreation, and deer habitat improvement in conjunction with precommercial thinning. VQO's as seen in the foreground from recreation cabins and waterways are currently retention to modification. A road connection to Ketchikan is an issue to be resolved in the Reivilla Management Area Analysis.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	100 acre/year KV wildlife canopy opening thinning, 1986-94
NONSTRUC. HABITAT IMP.	Y		300 acres wildlife burning, 1986
NONSTRUC. HABITAT IMP.	Y		100 acre/year wildlife burning, 1987-88
NONSTRUC. HABITAT IMP.	Y		Margaret Creek KV fishpass, 100 acres, 1989, VCU 738
STRUC. HABITAT IMP.	Y		10 KV log type structures, Traitors River, 1985, VCU 738
STRUC. HABITAT IMP.	Y		25 log type structures, Margaret Creek, 1989, VCU 738
REFORESTATION	Y		Burn 105 acres for site preparation, 1985, 100 acres 1987; 100 acres 1989; VCU 740, 738, 736, 739, 737, 732, 733;
REFORESTATION	Y		Plant 298 acres, 1985, 100 acres in 1987; 300 acres 1988, 100 acres 1989; VCU 740, 738, 736, 739, 737, 732, 733
TIMBER STAND IMP.	Y		274 acres KV Alder release, 1986, VCU 738, 740, 736, 739, 737, 732, 733

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER STAND IMP.	Y		150 acres KV Alder release, 1987, 122 acres 1988, 100 acres 1989, 100 acres 1992; VCU 738, 740, 736, 739, 737, 732, 733
TIMBER STAND IMP.	Y		138 acres thinning, 1985, VCU 738, 740, 736, 739, 737, 732, 733
TIMBER STAND IMP.	Y	Y	1415 acres thinning (100-250 per year) 1988-94, VCU 740, 738, 736, 739, 737, 732, 733
TIMBER STAND IMP.	Y		Alder release, 1987-100 acres, 1989-50 acres; VCU 736-740, 732, 733;
TIMBER STAND IMP.		Y	50 acres Wildlife alder release, 1992;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1986; VCU 733, 736, 737; 45 MMBF;
TIMBER SALE PREP.	Y		Initiated in 1981; release in 1987; VCU 736; 12 MMBF;
TIMBER SALE PREP.	Y		Initiate 1985; sell 1995; VCU 744; 12 MMBF; Carroll River SBA sale/TIF with augmentation
SOIL STABILIZATION	Y	Y	100 acres scattered, 1986-94
SOIL STABILIZATION	Y		6 acres; VCU 737; accomplished 1985
ROAD CONST.	Y		17.5 mile preroad; Long Term Sale; VCU 740; 1986;
ROAD CONST.		Y	15 miles construction; 1.6 miles reconstruction plus TIF; VCU 744; 1995;
ROAD CONST.	Y		2.5 miles construction; Long Term Sale; 1985; VCU 736;
BRIDGE CONST.	Y		2 bridge replacements; 1988; VCU 737;

STANDARDS AND GUIDELINES
See the LPK 84-89 operating period EIS.

MANAGEMENT AREA SUMMARY

Management Area Number K33
 Management Area Name Naha

VCUS 742.0
 LUDS 2

	NFS ACRES	CFL ACRES
Operable CFL	----	12,722
High Visual Sensitivity	6,626	5,301
Medium Visual Sensitivity	441	353
Beach Fringe Through 500 Feet	442	442
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	618	530
 Total Acres	 31,926	 19,436

MANAGEMENT DIRECTION/EMPHASIS

This Management Area contains a number of moderate sized lakes and excellent sport fisheries. The major drainage system is the Naha River noted for its spring and fall steelhead runs. This river also supports a trout and coho sport fishery and is a major producer of all commercial species of salmon except kings. Recreation cabins are currently situated at the following locations within this Management Area: Jordan Lake, Heckman Lake (2), and Patching Lake. Some of these are among the heaviest used on the Ketchikan Area. The Naha River cabin was relocated in 1985. A day use shelter will be constructed for recreation users in poace of the cabin. The old boat tram adjacent to the chuck to Roosevelt Lagoon was reconstructed in 1985. 6.3 miles of trail starting from a docking facility at salt water parallels the Naha River and accesses Jordan and Heckman Lakes. This area will be managed in a roadless state to retain its wildland character. Dispersed recreation with an emphasis on the sport fishery values will be the primary direction. Management activities include maintenance of existing trails, cabins and day use areas together with moderate expansion of these facilities to meet increased recreational use. Additional management direction will be established in the Management Area Analysis as a part of the Revilla planning project currently underway.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Naha Tram reconstruction, VCU 742, 1985
RECREATION FACILITY	Y		Naha River Cabin reconstruction, VCU 742, 1985; move cabin to Graving Island and replace with a shelter
RECREATION FACILITY	Y		Replace 3 toilets at Jordon Lake and Heckman Lake cabins, VCU 742
TRAIL CONST.	Y		2 miles reconstruction, Naha Trail, VCU 742
TRAIL CONST.		Y	4 miles construction, Wolf Lake - Naha, VCU 742, 1994
NONSTRUC. HABITAT IMP.	Y	Y	200 acre/year lake fertilization, VCU 742, 1989-93
STRUC. HABITAT IMP.		Y	Naha River fishpass; 100 acres; 1993; VCU 742;
STRUC. HABITAT IMP.	Y		1 fish structure, 1989
STRUC. HABITAT IMP.		Y	1 fish structure, 1990

MANAGEMENT AREA SUMMARY

Management Area Number K34
 Management Area Name Swan Lake

VCUS 745.0
 LUDS 4

	NFS ACRES	CFL ACRES
Operable CFL	-----	331
High Visual Sensitivity	165	165
Medium Visual Sensitivity	248	165
Beach Fringe Through 500 Feet	0	0
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	83	83
 Total Acres	 22,150	 8,689

MANAGEMENT DIRECTION/EMPHASIS

This Management Area includes the Swan Lake Drainage in Carroll Inlet on Revilla Island. A major hydroelectric project for Ketchikan was completed in 1984 by Ketchikan Public Utilities in the Swan Lake Drainage. This project impounded Swan Lake with a 190-foot high thin arch dam located approximately 1 mile from the Swan Lake outlet. A 2,280-foot long concrete lined power tunnel carries water from the dam to a power house just above the mouth of Falls Creek. Additional facilities include a permanent port and approximately 1 mile of road connecting the powerhouse site to the dam. Approximately 30.5 miles of 115-KV transmission move power to a Ketchikan substation. In conjunction with the hydroelectric project, a fish hatchery has been proposed by Alaska Department of Fish and Game at the mouth of Falls Creek. Additional management direction is forthcoming through Management Area Analysis in the Revilla planning project.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Construct cabin at Upper Swan Lake, VCU 745,1993

MANAGEMENT AREA SUMMARY

Management Area Number	K35							
Management Area Name	Carroll - Thorne							
VCUS	746.0	753.0	754.2	755.0	755.2	756.0	757.0	759.0
LUDS	3,4,1 Release							
						NFS ACRES	CFL ACRES	
Operable CFL						----	31,330	
High Visual Sensitivity						6,855	5,743	
Medium Visual Sensitivity						14,688	11,398	
Beach Fringe Through 500 Feet						7,277	6,005	
Special/Unique Areas						0	0	
Bald Eagle Nesting Areas						6,830	6,012	
Total Acres						87,946	51,838	

MANAGEMENT DIRECTION/EMPHASIS

This Management Area includes the Carroll Inlet-Thorne Arm areas of Revilla Island with the exception of the Swan Lake Management Area and the Gokachin and Fish Creek Drainages of the Misty Fiords National Monument. A small portion at the mouth of Sealevel and Fish creeks was taken out of LUD I through the ANILCA and placed into LUD I Release status. These areas will be resolved in 1989 through the TLMP Revision. This Management Area has high small boat use due to its close proximity to Ketchikan and its relatively protected waterways. Main recreation attractions include deer hunting, salt and freshwater fishing and crabbing. The waterways provide relatively good small boat access to Fish Creek and Gokachin Creek in the Misty Fiords National Monument. Extensive timber harvest has taken place in Carroll Inlet, particularly in the Shoal Cove area and some small areas have been harvested in Thorne Arm. The Swan Lake hydroelectric power transmission line traverses this Management Area. Because of the large amount of second growth timber in the area and its high use for deer hunting, management emphasis will be to improve deer habitat in conjunction with precommercial thinning. Management Area Analysis with timber sale plans for the remaining initial entry was completed in 1984. There may be some amendments to these plans through the Revilla planning project. Road access to Ketchikan is a major issue being considered.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Anchor Buoy placement, VCU 746, 1987
RECREATION FACILITY		Y	Anchor Buoy placement, VCU 759, Black Mountain Trailhead, 1994
TRAIL CONST.		Y	0.1 miles construction, Black Mountain Trailhead, VCU 759, 1994
NONSTRUC. HABITAT IMP.	Y	Y	100 acre/year KV wildlife thinning/slash treatment, 1986-94
NONSTRUC. HABITAT IMP.	Y	Y	100 acre/year wildlife thinning, 1986-94
NONSTRUC. HABITAT IMP.	Y	Y	100 acre/year wildlife burning, 1987-94
NONSTRUC. HABITAT IMP.	Y		Shoal Cove fishpass, 10 acres, 1987, VCU 753
STRUC. HABITAT IMP.	Y		25 log type structures, Sea Level Creek, 1988, VCU 755
STRUC. HABITAT IMP.	Y		10 KV log type stream structures, Thorne Arm, 1989, VCU 760

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
STRUC. HABITAT IMP.	Y		15 KV log type structures, Thorne Arm Creek, 1988, VCU 756
STRUC. HABITAT IMP.		Y	25 log type stream structures, VCU 753, 1990, Spit Creek
STRUC. HABITAT IMP.		Y	10 log type stream structures, VCU 735, 1990, Shoal Creek
STRUC. HABITAT IMP.		Y	1 KV fish structure, 1991, Shoal Creek
STRUC. HABITAT IMP.		Y	1 KV fish structure, 1992
STRUC. HABITAT IMP.		Y	5 KV log type fish structures, 1994
REFORESTATION	Y		Planting, 1989 - 200 acres
TIMBER STAND IMP.	Y		150 acres KV Alder release, 1987
TIMBER STAND IMP.	Y	Y	100 acres/year KV Alder release, 1989, 1990-94;
TIMBER STAND IMP.	Y		Thinning, 1985 - 138 acres, 1986 - 250 acres, 1987 - 100 acres
TIMBER STAND IMP.		Y	50 acre/year Alder release, 1990-94
TIMBER STAND IMP.		Y	100 acre/year thinning, 1993-94
TIMBER SALE PREP.	Y		Initiate 1984; sold 1984; 0.5 MMBF; Shoal Road SBA
TIMBER SALE PREP.	Y		Initiated 1983; offered 1984; sell in 1985; VCU 746, 753; 24 MMBF; Marble
TIMBER SALE PREP.	Y		Initiated 1985; sell in 1986; VCU 753, 756; 0.5 MMBF; Tie Road SBA
TIMBER SALE PREP.	Y		Initiated in 1983; sell in 1988; VCU 746; 7 MMBF; Slackline Carroll SBA sale with augmentation
TIMBER SALE PREP.	Y		Initiated 1983; sell in 1989; VCU 756; 10 MMBF; Thorne Arm SBA Sale with augmentation
TIMBER SALE PREP.	Y		Initiate 1983; sell in 1992; VCU 757; 12 MMBF, East Thorne SBA Sale with augmentation
TIMBER SALE PREP.		Y	Initiated in 1983; sell in 1994; VCU 746, 753; 15 MMBF; West Carroll SBA sale with augmentation
TIMBER SALE PREP.	Y		Initiated 1983; sell in 1986; VCU 746, 753; 7.5 MMBF; Marble Creek SBA/augmentation
TIMBER SALE PREP.	Y		Initiated 1979; sell in 1987; VCU 753; 6 MMBF; Loran SBA
TIMBER SALE PREP.	Y		Initiated 1983; sell in 1989; VCU 753; 12 MMBF Shoal Creek SBA
TIMBER SALE PREP.		Y	Initiated 1983; sell in 1990; VCU 753; 4 MMBF; Easy Creek SBA with augmentation
TIMBER SALE PREP.		Y	Initiated 1983; sell in 1991; VCU 746; 20 MMBF; Big Valley SBA with augmentation
TIMBER SALE PREP.		Y	Initiated 1983; sell in 1993; VCU 756, 759; 13 MMBF; North Eve Pt. SBA sale/augmentation
ROAD CONST.	Y		4 miles main road construction; VCU 746; 1985; (bid not awarded)
ROAD CONST.	Y		2 miles reconstruction; VCU 746; 1985; (bid not awarded)
ROAD CONST.	Y		2.3 miles construction; 1.3 miles reconstruction; Marble Sale; VCU 753; 1986;

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
ROAD CONST.	Y		3.2 miles construction; Slackline Sale; 1988; VCU 746;
ROAD CONST.	Y		2.1 miles reconstruction; Shoal Creek Sale; 1989; VCU 753;
ROAD CONST.	Y		3.7 miles construction; VCU 756; 1989;
ROAD CONST.		Y	7.6 miles construction; VCU 757; 1992;
ROAD CONST.		Y	8.4 miles construction; VCU 746; 1991;
ROAD CONST.		Y	4.5 miles reconstruction; VCU 756,759; 1993;
ROAD CONST.		Y	1.8 miles construction; 0.5 miles reconstruction; VCU 753; 1990;
ROAD CONST.		Y	12 miles construction; West Carroll Sale; VCU's 746 and 753; 1994;
BRIDGE CONST.	Y		2 bridge replacements; VCU 753; 1988;
SOIL STABILIZATION	Y	Y	50 acres scattered, 1986-94

MANAGEMENT AREA SUMMARY

Management Area Number	K36		
Management Area Name	Lucky Cove		
VCUS	760.0		
LUDS	2		
		NFS ACRES	CFL ACRES
Operable CFL		----	3,481
High Visual Sensitivity		871	677
Medium Visual Sensitivity		1,354	967
Beach Fringe Through 500 Feet		1,354	870
Special/Unique Areas		0	0
Bald Eagle Nesting Areas		871	871
Total Acres		12,453	5,319

MANAGEMENT DIRECTION/EMPHASIS

Management Area 36 is located on Revilla Island adjacent to the Misty Fiords National Monument. Existing recreation use is hunting and saltwater fishing.

No recreation development is foreseen within the initial plan period. Management Area Analysis is in progress through the Revilla planning project. In the interim, this Management Area will continue to be managed in a roadless state to retain its wildland character and to maintain the natural backdrop it now serves as the gateway to Misty Fiords National Monument via East Behm Canal.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
NONSTRUC. HABITAT IMP.	Y	Y	Lucky Cove Cr. stocking; 100 acres; VCU 751; 1987-90;
STRUC. HABITAT IMP.	Y		15 log type structures; Lucky Cove Cr.; VCU 760; 1985
STRUC. HABITAT IMP.	Y		Lucky Cove fishpass; 1987; VCU 760;
STRUC. HABITAT IMP.	Y		10 log type stream structures; Lucky Cove Creek; 1989; VCU 760;

MANAGEMENT AREA SUMMARY

Management Area Number K38
Management Area Name Ketchikan Lake

VCUS 751.0
LUDS 2

	NFS ACRES	CFL ACRES
Operable CFL	----	369
High Visual Sensitivity	1,919	1,845
Medium Visual Sensitivity	0	0
Beach Fringe Through 500 Feet	0	0
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	0	0
Total Acres	6,631	2,362

MANAGEMENT DIRECTION/EMPHASIS

This area includes Deer Mountain, John Mountain, Blue Lake, and the Ketchikan Lakes Municipal Watershed. The watershed was established by Congress in 1939 and reserved the area from mineral entry. It also supplies a small percentage of the electrical power needs for Ketchikan. The majority of consists of forested slopes to 2000 feet and alpine and snowfields at higher elevations. Peaks and glacial features - hanging glacial valley, cirques, and tarns are present. The area is accessed by the Deer Mountain trail, which has been named to the National Recreation Trails System. Views from the trail of southern Southeast Alaska and the Pacific Ocean are spectacular. Present recreation development consists of the Deer Mountain recreation cabin, and Blue Lake recreation cabin. The Management Area is adjacent to Ketchikan and receives high use by hikers, backpackers and hunters. Management direction is for watershed protection and dispersed recreation with emphasis on trails and related activities. Land will be managed in a roadless state. Recreation shelters in alpine country and trail spurs to facilitate management planning must take into consideration the high use this area receives. Management Area Analysis is in progress through the Revilla planning project.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		1.5 miles reconstruction, Deer Mountain Trail, VCU 751,1985

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1990;VCU 864.2;3 MMBF;First Waterfall SBA firewood sale/preroading
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1990;VCU 743;12 MMBF;Harriet Hunt SBA sale with augmentation
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1991;VCU 749; 3 MMBF;Whipple SBA firewood sale with augmentation
TIMBER SALE PREP.	Y		Initiate in 1985;sell 1992;VCU 747;12 MMBF;George Inlet sale with augmentation
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1990;VCU 864.2; 5 MMBF;Lunch Creek SBA firewood sale with augmentation
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1994;VCU 747;5 MMBF;Salt Lagoon SBA sale with augmentation
TIMBER SALE PREP.	Y		Initiate in 1985;sell in 1994;VCU 743; 5 MMBF;Moser Bay SBA sale with augmentation
SOIL STABILIZATION		Y	30 acres scattered, 1993-94
ROAD CONST.	Y		3 miles preroding; VCU 748; 1986;
ROAD CONST.	Y		6 miles preroding; VCU 864.2; 1987;
ROAD CONST.		Y	17 miles construction; George Inlet Sale; VCU 746,747;1992;
ROAD CONST.		Y	5 miles construction; VCU 749; 1991;
ROAD CONST.		Y	7 miles construction; VCU 743; 1994;
ROAD CONST.		Y	12 miles construction; Harriet Hunt; 1990; VCU 743;
ROAD CONST.		Y	7 miles construction; Lunch Cr. sale; VCU 864.2; 1990; augmentation
ROAD CONST.		Y	5 miles construction; VCU 747; 1994
ADMIN. FACILITY	Y		Ketchikan Warehouse addition, VCU 750,1986

Management Area Number K44
 Management Area Name Hyder

VCUS 804.0 806.0
 LUDS 3,4

	NFS ACRES	CFL ACRES
Operable CFL	----	2,946
High Visual Sensitivity	0	0
Medium Visual Sensitivity	0	0
Beach Fringe Through 500 Feet	0	0
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	1,767	1,262
Total Acres	58,230	6,646

MANAGEMENT DIRECTION/EMPHASIS

This is the only area on the Tongass Forest accessible by road from the mainland highway system. VCU 806 has a maintained road, and VCU 804 has an un-maintained road. Some timber will be sold, generally in sales less than 1 MMBF to local residents.

The M.A. could provide a jumping off point for hikers using the Misty Fiords National Monument. Trail access could be provided from Hyder into the high country and on into Management Areas 45 and 43.

The management area has been the site of fisheries enhancement activities targeting chum salmon. Many additional future opportunities exist. The Marx Creek Spawning Channel was constructed in 1985. This 4,000 square foot channel is the longest in the State. A cooperative stocking program between the Forest Service and the Alaska Department of Fish and Game is utilizing the chum salmon of nearby Fish Creek to bring the channel up to full production by 1989. The Fish Creek chum salmon are the largest recorded genetic strain of chum salmon. The project will provide an estimated 10,000 additional adult chum to the commercial fisheries of the U.S. and Canada.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Hyder kiosk construction, VCU 804, 1988
RECREATION FACILITY	Y		Hyder Campground construction, VCU 804, 1989
RECREATION FACILITY		Y	Reconstruct two historic cabins on Chickamin Trail, VCU 804, 806, 1990
TRAIL CONST.		Y	Reconstruct 11 miles Chickamin Trail, VCU 804, 806, 1990
TRAIL CONST.		Y	0.3 miles construction, Hyder, VCU 806, 1992
NONSTRUC. HABITAT IMP.		Y	2 acre fish project, VCU 806, 1990; Fish Cr. & Marx Cr.
NONSTRUC. HABITAT IMP.		Y	Fish Creek spawning enhancement, 2 acres, 1991, VCU 806
STRUC. HABITAT IMP.	Y		Fish Creek spawning enhancement, 2 acres, 1986, VCU 806
STRUC. HABITAT IMP.	Y		Marx Creek spawning channel, 1985, VCU 806
STRUC. HABITAT IMP.		Y	Marx Creek spawning channel expansion, 1993, VCU 806
NONSTRUC. HABITAT IMP.	Y		Marx Creek stocking, 5 acres, 1986-89, VCU 806

KETCHIKAN AREA

MISTY FIORDS NATIONAL MONUMENT

Management Area Number	K43								
Management Area Name	Misty Fiords								
VCUS	730.0	754.1	755.0	769.0	770.0	771.0	772.0	773.0	774.0
	775.0	776.0	777.0	778.0	779.0	780.0	781.0	782.0	783.0
	784.0	785.0	786.0	787.0	788.0	789.0	790.0	791.0	792.0
	793.0	794.0	795.0	796.0	797.0	798.0	799.0	800.0	801.0
	802.0	803.0	808.0	809.0	810.0	811.0	812.0	813.0	814.0
	815.0	816.0	817.0	818.0	819.0	820.0	821.0	822.0	823.0
	824.0	825.0	826.0	827.0	828.0	829.0	830.0	831.0	832.0
	833.0	834.0	835.0	836.0	837.0	838.0	839.0	840.0	841.0
	842.0	843.0	844.0	845.0	846.0	847.0	848.0	849.0	850.0
	851.0	852.0	853.0	854.0	855.0	856.0	857.0	858.0	859.0
	860.0	861.0	862.0	863.0	867.0				

LUDS	1,1 Non-Wilderness National Monument Lands	
	NFS ACRES	CFL ACRES
Operable CFL	-----	202,151
High Visual Sensitivity	126,064	64,048
Medium Visual Sensitivity	128,342	54,220
Beach Fringe Through 500 Feet	45,963	31,461
Special/Unique Areas	0	0
Bald Eagle Nesting Areas	77,675	51,656
Total Acres	2,284,560	569,675

MANAGEMENT DIRECTION/EMPHASIS

Misty Fiords Management Area contains about 2.2 million acres of land. It was designated a National Monument by Presidential Proclamation in December 1978, and all but 152,610 acres around the Quartz Hill area was established as Wilderness in ANILCA in 1980. This Wilderness exclusion area remains a part of the Monument.

This Management Area extends from the Canadian border and includes both the mainland and the east side of Revilla Island. A variety of vegetative types and landforms are exhibited due to the vast area encompassed. Existing recreational improvements include fourteen public use cabins and three shelters located adjacent to freshwater lakes or saltwater bays. Approximately 25 miles of trails provide access. A marine mooring buoy system encircling Revillagigedo Island provides safe boat anchorage for watercraft using this area via Behm Canal.

The Wilderness part of the area will be managed for wilderness preservation in accordance with a management plan currently being finished. Other uses will be allowed only to the extent they are consistent with this paramount objective or subject to valid existing rights. No new mining claims may be established.

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
RECREATION FACILITY	Y		Replace Point Alava anchor bouy, VCU 769; 1985
RECREATION FACILITY	Y		Ella anchor Buoy placement, 1985; VCU 773
RECREATION FACILITY	Y		Punchbowl Lake Shelter Construction, VCU 803,1986
RECREATION FACILITY	Y		Anchor Buoy placement, 1987
RECREATION FACILITY	Y		Ella Bay Cabin construction, VCU 773,1987
RECREATION FACILITY	Y		Ella Lake Shelter Construction, VCU 773,1987
RECREATION FACILITY	Y		Checats Lake Shelter construction, VCU 820,1987
RECREATION FACILITY	Y		Humpback Bay Shelter construction, VCU 834,1988
RECREATION FACILITY	Y		Sakes/Fitzgibbon Cabin construction, VCU 791,1988
RECREATION FACILITY	Y		Storehouse #3 cabin reconstruction; VCU 846; 1988
RECREATION FACILITY	Y		Princess Bay Cabin construction, VCU 771,1988
RECREATION FACILITY	Y		Davis River cabin construction, VCU 808,1988
RECREATION FACILITY	Y		Sakes/Fitzgibbon anchor bouy placement, VCU 791, 1988
RECREATION FACILITY	Y		Winstanley anchor bouy placement, VCU 821,1988
RECREATION FACILITY	Y		Princess Bay anchor bouy placement, VCU 771,1988
RECREATION FACILITY	Y		Davis River anchor bouy placement, VCU 808,1988
RECREATION FACILITY	Y		Halibut Bay anchor bouy placement, VCU 846,1988
RECREATION FACILITY	Y		Construct five trail shelters along Chickamin Trail, VCU 793,794,796;1990
RECREATION FACILITY	Y		Wilson Lake overflow cabin construction, VCU 817,1990
RECREATION FACILITY	Y		Tree Point Lighthouse (feasibility study); VCU 861; 1990
RECREATION FACILITY	Y		Mirror Lake Cabin construction, VCU 754,1991
RECREATION FACILITY	Y		Punchbowl Shelter construction, VCU 803,1991
RECREATION FACILITY	Y		Humpback Lake Cabin construction, VCU 834,1992
TRAIL CONST.	Y		1.5 miles Humpback reconstruction, VCU 834,1985
TRAIL CONST.	Y		2.3 mile Ella Lake reconstruction, VCU 773,1985
TRAIL CONST.	Y		Nooya Bridge construction, VCU 801,1985
TRAIL CONST.	Y		0.1 miles Nooya Trail reconstruction, VCU 801,1986
TRAIL CONST.	Y		0.1 miles Punchbowl Trail reconstruction, VCU 803,1986
TRAIL CONST.	Y		1.5 miles Humpback reconstruction, VCU 834,1988

MANAGEMENT ACTIVITIES	TIME PERIODS		REMARKS
	1985-89	FUTURE	
TRAIL CONST.	Y		0.4 miles Manzanita Bay reconstruction, VCU 775,1988
TRAIL CONST.	Y		0.5 miles Winstanley reconstruction, VCU 821,1988
TRAIL CONST.	Y		Survey and design 62.5 miles, Chickamin Trail, VCU 793,794,796; 1988
TRAIL CONST.	Y		23 miles Gokachin Canoe Route survey, VCU 755,754;1988
TRAIL CONST.	Y		4.5 miles reconstruction, Gokachin portages, VCU 755,754;1989
TRAIL CONST.	Y		23 miles construction, Gokachin, VCU 754,755,773,775;1989
TRAIL CONST.		Y	0.4 miles Low Lake construction, VCU 754,1991
TRAIL CONST.		Y	0.2 miles Checats Construction, VCU 820,1991
TRAIL CONST.		Y	0.5 miles Bakewell Construction, VCU 826,1991
TRAIL CONST.		Y	0.1 miles reconstruction, Hugh Smith, VCU 836,1993
NONSTRUC. HABITAT IMP.	Y		Hugh Smith Lake Bio enhancement,120 acres,1985,VCU 836
NONSTRUC. HABITAT IMP.	Y		Bakewell/Badger Lake bio enhancement,140 acres, 1985-89,VCU 826
NONSTRUC. HABITAT IMP.		Y	Badger Lake fertilization, 1992-94,VCU 827, 100 Ac/yr
NONSTRUC. HABITAT IMP.	Y	Y	Hugh Smith stocking, 120 acres, 1987-90, VCU 836
STRUC. HABITAT IMP.	Y		Martin River fishpass,10 acres,1986,VCU 838
STRUCT. HABITAT IMP.	Y		Manzanita Creek fishpass, 1988, VCU 839
STRUC. HABITAT IMP.		Y	Dicks Creek fishpass,10 acres,1990, VCU 839
STRUC. HABITAT IMP.		Y	Red River fishpass,1990,VCU 837
STRUC. HABITAT IMP.		Y	Ella Creek fishpass,1992,VCU 773
STRUC. HABITAT IMP.		Y	Sikes Creek fishpass,1993,VCU 831
STRUC. HABITAT IMP.		Y	Choca Creek fishpass,1994,VCU 793
MINERALS ACTIVITY	Y	Y	Annual administration of mining claims, common minerals, leases, operating plans, and claim validity examinations
ADMIN. FACILITY	Y		Barge field station construction, 1985

STANDARDS AND GUIDELINES

A Management Plan is to be completed in 1985 and will provide detailed direction for all of the Monument area except the exclusion area covered in the Quartz Hill Mine Development EIS (which is to be completed in 1986).

IV. Plan Implementation Direction

Plan implementation is the action necessary to accomplish the management direction contained in this Plan. Plan implementation is accomplished through the annual budget process and the execution of the management activities which are funded by this process.

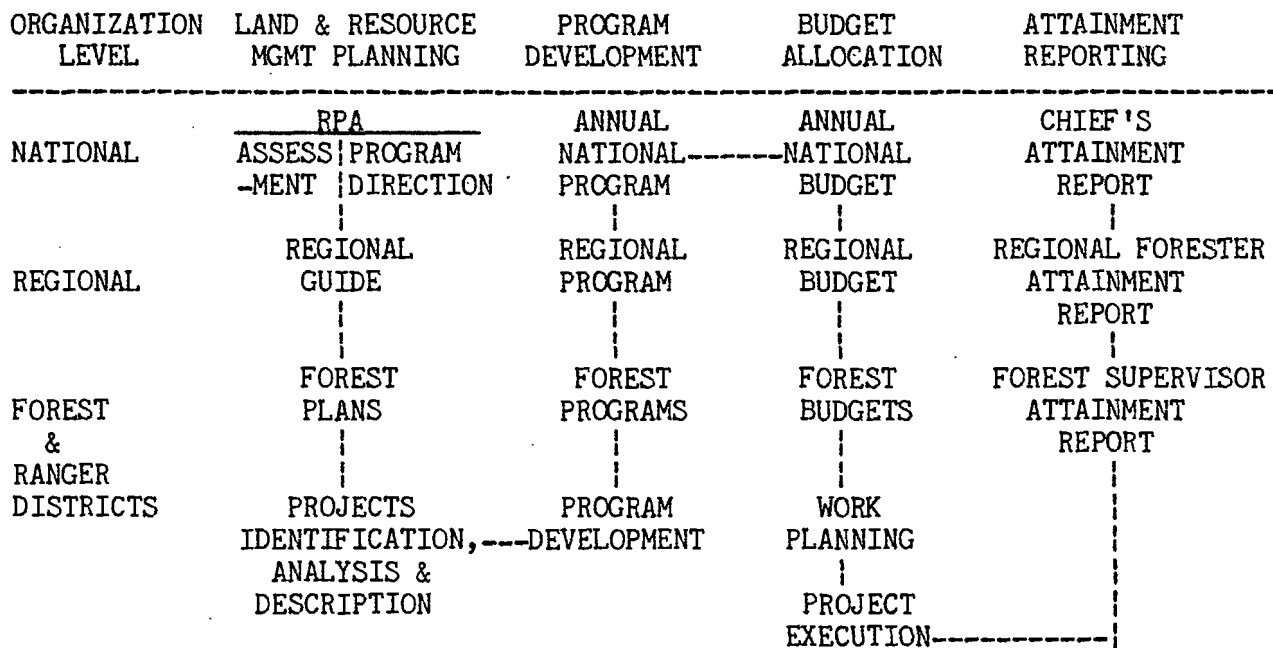
A. Plan Relation to the Forest Service Budget Process

The Forest Service budget process is a key link in implementing the Plan. Short-range resource program and project scheduling is dependent upon financing established through the budget process.

Resource Planning Act (RPA) program targets and other Forest Service plans serve as the basis for initial budget proposals, but these guides are subject to adjustment to reflect current conditions and Administration and Congressional priorities. Once an Appropriation Act becomes law, the budget becomes a firm commitment for which the Forest Service is held accountable. Funds and work force authorizations are allocated to Forest Service Regions and Forests based on their budget proposals as adjusted by the decisions made during the national budgeting and Congressional appropriation processes.

The overall planning and budget system for the Alaska Region is illustrated in Figure 3. This figure shows how the primary end-products (i.e. plans, programs, budgets and attainment reports) are related to the different organizational levels of the Forest Service.

Figure 3: Planning and Budget System for Alaska Region



The implementation of this Plan's management direction will be achieved by using a process that links the Plan to the creation of annual forest budget proposals, resulting budget allocations and associated work planning, and the design and implementation of constituent projects. The process involves the on-going identification of projects, the analysis of the projects and the description of the analyzed projects in a manner that permits their consideration in the recurrent budget development process. This process will insure projects considered in the budget process will have been examined in the context of the Plan.

1. Annual Projects Identification, Analysis and Description Process

This process provides direction for linking this Plan's Management Direction to the Forest Service budget development and allocation process, as indicated in Figure 3. Its application will increase the specificity of the Management Direction of the Plan and lead to the creation and maintenance of a record of feasible projects. This record is used in developing the out-year budget proposals and in annual work planning. The process consists of the following actions:

a. Projects Identification

- (1) The Forest Supervisor of each Administrative Area will identify projects for analysis. These projects are normally to be considered for implementation three years or more in the future. In this step a sufficient number of projects are identified to accomplish Forest-wide resource management programs for the targeted program year (or years). The projects identified will normally be limited to those which could alter the environmental characteristics of the area.

Identification of projects for analysis will be based on a consideration of prospective public issues, management concerns, and resource opportunities. Available information is to be used to determine in which of the Management Areas (MAs) and/or Value Comparison Units (VCUs) the projects should be implemented. Available information may include such things as demand studies/trends; resource supply characteristics including fish and wildlife habitats, timber resources, recreation opportunities, cultural resources, minerals, soil and water, existing infrastructure, etc.; human use and occupancy information; current information on the prospective reactions to the potential projects; and general cost and benefit data associated with these projects. Tentative resource output target ranges are then associated with the projects based on the known capabilities and characteristics of the selected MAs and/or VCUs. More projects will usually be proposed than are required to hedge against projects that prove to be infeasible to implement.

Proposed projects will be based on the management activities which are currently scheduled for each of the Management Areas in Sec. III. E. of this Plan. Projects will conform with the purposes and management implications of the Land Use Designations, as described in Section III. C. 1.

- (2) Proposed projects will be reviewed and coordinated to resolve conflicting proposals, to indicate how the projects can be beneficially related to each other and to define criteria for determining the feasibility of implementing the projects.

b. Area Analysis Scheduling

- (1) A schedule of the projects to be analyzed, listed by MAs and/or VCUs in which projects are to be located, will be established annually. This analysis schedule will be based on the Management Areas and Value Comparison Units that are identified in Step a.(1) above. Previously analyzed MAs or VCUs may appear on the Schedule again over time as additional projects are proposed for them; many may not appear on the Schedule for many years if no additional projects are proposed.

c. Area Analysis

Each Forest Supervisor is responsible for identifying, on a case by case basis, the relevant geographic area; the social, resource, and management considerations which will be assessed; and the relative level of analysis necessary. The Supervisor may choose to address several projects on a large area or a single project on a smaller area. The analysis usually will include evaluation of specific project alternatives in order to determine the feasibility and environmental affects. The analysis will follow the NEPA process, provide opportunity for public comment, and conform to Regional and National Forest Service direction. Areas may be reanalyzed periodically to accommodate additional projects, if necessary.

- (1) Purposes The main purposes of area analysis (for MAs or VCUs) are to:
 - (a) Determine the general feasibility of implementing the proposed projects identified in Step a.(2) above, considering resource characteristics, related economic factors, and local issues and concerns.
 - (b) Identify optimal locations (i.e. sites and/or routes) for the feasible projects.
 - (c) Define appropriate standards and guidelines (prescriptions) to guide the implementation of the feasible projects.
 - (d) Add to the environmental analysis associated with this Plan (see TLMP Final Environmental Impact Statement) in conformance with applicable National Environmental Policy Act (NEPA) requirements.
 - (e) Identify additional resource management opportunities to provide information for Area-wide Project Scheduling (Step 1 a., above).
 - (f) Provide opportunities for the involvement of potentially affected interests (PAI's) in the analysis process.
 - (h) Describe the feasible projects for consideration in the Forest Service budget process (See Step d. below for description requirements).
- (2) Process The Area Analysis process includes the following NEPA-based steps and requirements. How this process is actually applied will vary as a function of the kind of projects that are

proposed and the environmental, social, and economic factors that are peculiar to the particular MAs or VCUs.

- (a) Scoping: Scoping actions are to identify issues and concerns related to the proposed projects. How the Area Analysis purposes defined in Step c.(1) above are to be achieved, what evaluation criteria are to be applied, and what analysis methods are to be employed will also be identified.
- (b) Collect and Interpret Data: Needed information is compiled and organized to facilitate the analysis. The most accurate and current information that is relevant to the analysis will be used.
- (c) Develop Alternatives: Alternative ways of implementing the proposed projects will be developed according to NEPA procedures. These alternatives will be based on the physical, biological, social, and economic conditions pertinent to the analysis. Alternatives will normally be expressed in terms such as different project locations, variations in anticipated outputs, timing of project actions, and alternate methods of accomplishing project purposes. Applicable Regional Guide Standards and Guidelines (e.g., multi-entry layouts for timber sale projects) and Area Guide policies will be followed in formulating alternatives. Proposed project-related Standards and Guidelines (prescriptions) are also developed at this point for each alternative to guide potential project implementation.
- (d) Estimate Effects of Alternatives: The effects of implementing the proposed projects under each alternative will be estimated according to NEPA procedures. Pertinent physical, biological, social, and economic factors will be considered in this effects analysis. The effects of each alternative will normally be expressed in terms of expected outputs, direct and indirect benefits and costs, probable resource tradeoffs, and opportunity costs. An estimate of the cumulative effects of the proposed project(s), in consideration of past and possible future activities, will also be provided for each alternative.
- (e) Evaluate Alternatives and Identify Preferred Alternative: Using previously established analysis criteria, evaluate the physical, biological, social, and economic effects of each alternative and determine how each alternative conforms with applicable Regional Guide Standards and Guidelines. The Forest Supervisor will review the evaluation and identify a preferred alternative. The preferred alternative and the other alternatives will be appropriately documented in accordance with NEPA procedures. The feasible projects included in the preferred alternative will be described in accordance with Step d., below, to facilitate their consideration in the budget process.

d. Projects Description and Utilization

- (1) The record of feasible projects that have been analyzed will be maintained on each Administrative Area. Each project will be described using the coding described in Region 10 Supplement No. 1, Chapter 40, FSH 1909.13. This provides the basic data needed for budget purposes.
- (2) The projects record will be used to develop required capital investment cost and related resource output information for defined program years.

Upon receipt of initial and final budget allocations for the program year from the Chief, Regional budget allocation direction will be developed to indicate which projects and other management activities are to be funded.

e. Use of TLMP Database

The Land Type/Timber PHOTO POINTS and the VCU MATRIX automated databases were constructed and used in developing the original TLMP. Neither of these databases were designed or intended for direct project level use, however. They should be used during the implementation of this Plan as a source of baseline information, in conjunction with more current information derived from more recent inventories and studies. Information available from other agencies, organizations and individuals should also be utilized when applicable and appropriate. Plan implementation efforts should be based on the best available information, regardless of source.

Other databases and information sources have been developed since 1979. The Alaska Public Survey (regarding Public attitudes/preferences), a Timber STANDS database, and the Chatham Area's Integrated Resource Information (IRI) system are examples of these more recent sources. In addition to the above, a 1984 Natural Resource Information Study provides a comprehensive account of available data sources for the Stikine and Ketchikan Areas.

f. Use of Retention Factor Method Information

The Retention Factor Method was applied in the TLMP planning process in anticipation of the protection measures that would be needed for certain wildlife, fish and visual resources when preparing timber for sale or release (see Appendix A of the TLMP Evaluation Report, Alaska Region Admin. Doc. 139, Nov. 1984). Use of this Method in calculating the 4.5 billion board feet allowable sale quantity reduced the amount of timber planned for harvest in each VCU allocated to LUD's III and IV. This reduction approximated the anticipated effects on timber availability as a result of applying the resource management coordination policies of the Southeast Alaska Area Guide for fish, wildlife and visual resources. The resulting Retention Factors Method information, which is expressed as acres of operable commercial forest land retained (i.e., not planned for timber harvest) and acres programmed for timber harvest over extended rotation periods, is to be used as follows in Area Analysis.

(1). Determination of Amounts and Locations of Operable CFL
Needed for Wildlife and Fisheries Coordination Purposes

[a]. As part of Step(b) of the Area Analysis Process, current information about wildlife and fish emphasis or potential management indicator species that occur in the MA(s) or VCU(s) being analyzed is compiled and organized in accordance with the Regional Habitat Analysis Process (see Regional Forester's 2620/1920 letter and Enclosure of March 29, 1985). Habitats for these species are identified using habitat definitions which are common to all three Administrative Areas.

Particular attention should be paid to the identification of key habitats to be considered for management under the TLMP retention provision (see Appendix D). This involves the identification of key habitats for those wildlife and fish emphasis species or potential management indicator species that find optimal conditions for all or part of their life requirements in habitats primarily associated with old-growth forest. For these species, management to maintain or enhance habitat values requires that key forested areas, primarily old-growth, be retained as uneven-aged stands to provide essential habitat components.

Information on the acres that were originally retained for the VCU(s) being analyzed, which can be derived from Land Type/Timber Photo Points database, will also be compiled for analysis purposes.

[b]. As part of Step (c) of the Area Analysis Process, and in accordance with the procedures defined in the Regional Habitat Analysis Process, all terrestrial and aquatic habitats of the analysis area will be organized into mutually exclusive Wildlife Habitat Management Units (WHMU) and Fish Habitat Management Units (FHMU) as defined in the Southeast Alaska Area Guide policies for Wildlife and Fish. These Units are areas of land or water having potential to provide high quality habitat for one or more emphasis or potential management indicator species.

For each Habitat Unit, the existing and potential habitat conditions are evaluated, and proposed habitat management prescriptions, including specific prescriptions for those key habitats to be considered for application of the retention provision, are written and included in the formulation of each of the alternatives. For all alternatives, WHMU's and FHMU's are mapped and the proposed management prescriptions for each are clearly displayed in the environmental analysis record.

[c]. As part of Step (d) of the Area Analysis process, the potential effects of the proposed habitat management prescriptions under each alternative will be estimated. As part of this, the acres of operable CFL needed to effect the proposed retention prescriptions under each alternative are computed and compared with the acreages provided by the Retention Factor method (on a VCU by VCU basis). Where proposed prescriptions would preclude timber harvesting in order to maintain certain habitat conditions, the total

acres excluded from harvest are considered retained. When selection harvesting techniques or other special harvest techniques are prescribed, the number of acres counted as retained is reduced to reflect the timber yield provided by the harvest technique. For example, a selective harvest prescription that reduces maximum timber yield from a 400 acre area by 50% would count as 200 acres retained. This comparison will be displayed in association with the anticipated effects of each alternative on the habitats of selected fish and wildlife species. It is anticipated that the total number and the kinds of operable CFL acres which would be required under each alternative for the proposed prescriptions will vary considerably from the acres estimated for application of the retention provision under the original Plan.

[d]. As part of Step (e) of the Area Analysis Process, an evaluation of the adequacy of the proposed prescriptions to effect necessary coordination requirements will be made. Predicted consequences to the selected species of not applying the proposed prescriptions are also to be displayed. Important criteria to be included in these evaluations are desired population levels of fish and wildlife and maintenance of habitat diversity.

The prescriptions that are to apply in implementing the proposed project(s) will be approved by the Forest Supervisor. The prescriptions, and the Fish and Wildlife Habitat Management Units they apply to, will be displayed in the preferred alternative and will remain in effect until amended to reflect improved information or changes in environmental conditions, (e.g. due to windstorms, etc.). The number, condition and location of acres of operable CFL which are to be retained to implement the prescriptions will need to be determined for Monitoring and Evaluation purposes. To meet identified coordination needs, the preferred alternative may have more or fewer acres retained for fish and wildlife management purposes than were originally estimated for this Plan.

(2). Comparison of Operable CFL Needed for Visual Resource Coordination Purposes with Original Acres Retained

[a]. As part of Step (b) of the Area Analysis Process, analyze the MA(s) or VCUs to generate inventoried Visual Quality Objectives(VQO's), using the methodology described in FSM 2383 and R10 FSH 2310.22. This analysis should take advantage of existing work of this kind already completed on the Tongass.

[b]. As part of Step (c) of the Area Analysis Process, define alternative VQO's as part of the formulation of alternatives.

[c]. As part of Step (d) of the Area Analysis process, identify those areas in which VQO's can be met through extended rotations, i.e. 120 years in LUD IV and 200 years in LUD III. This would normally involve those areas identified as visual management Class 1 and the more restrictive Class 2 areas (refer to R10 FSH 2309.16). It should be recognized

that visual objectives may already be met where the prescribed area coincides with areas with prescriptions for wildlife or fisheries management purposes. Compare and record the acres of operable CFL identified for extended rotation in each alternative with the CFL acreage identified for extended rotation in TLMP. This comparison will be documented and used by the Forest Supervisor as one factor in selecting a preferred alternative. To meet identified coordination needs, the preferred alternative may have more or less operable CFL scheduled for extended rotations than originally calculated for this Plan.

- [d]. As part of Step (e) of the Area Analysis Process, an evaluation of the adequacy of the proposed VQO prescriptions to effect necessary coordination requirements will be made.

The VQO prescriptions that are to apply in implementing the proposed project(s) will be approved by the Forest Supervisor. The prescriptions and the areas they apply to, will remain in effect until amended to reflect improved information or changes in environmental conditions, (i.e. due to windstorms, etc.). The number of acres of operable CFL which are to be managed on an extended rotation basis to implement the VQO prescriptions will need to be determined for Monitoring and Evaluation purposes.

B. Project Implementation

Projects approved and funded through the budget process will be implemented in accordance with the standards and guidelines (prescriptions) developed through Area Analysis. The standards and guidelines of the Regional Guide and Area Guide policies identified in Appendix B of the Regional Guide EIS will also apply. Project implementation will normally consist of detailed site planning and project design within the project locations identified through Area Analysis, followed by project execution and administration. NEPA procedures will be followed and project-related environmental analysis will be tiered to the appropriate Area Analysis documentation, which are tiered to this Plan and EIS.

C. Implementation of the Timber Management Program

1. ANILCA Provisions for Timber Management Program

Section 705(a) of the Alaska National Interest Lands Conservation Act (ANILCA) directs "the Secretary of the Treasury shall make available to the Secretary of Agriculture the sum of at least \$40,000,000 annually or as much as the Secretary of Agriculture finds is necessary to maintain the timber supply from the Tongass National Forest to dependent industry at a rate of four billion five hundred million board foot measure per decade."

Both the amount of money and the volume stated in Section 705(a) are based on information originally contained in this Plan. At least \$35.2 million (1978 dollars) was required annually in order to fund a timber management program to permit the attainment of the average annual allowable sale quantity (ASQ) 9/ of 450 MMBF given the proposed land allocation pattern of the Plan. When this amount was adjusted to equate with 1980 dollars, it equaled the \$40 million amount included in the ANILCA provision. Similarly, the Plan's average annual ASQ of 450 MMBF, when multiplied by the 10 years of TLMP's life, equals the 4.5 billion BF per decade timber supply level of ANILCA. ANILCA's use of forest planning information as a basis for section 705(a) validates these aspects of this Plan and requires the Forest Service to implement them accordingly.

The funding provision of Section 705(a) provides a means for implementation of the Plan's Timber Management Program. It enables the Forest Service to fund the costs of preparing the timber which has been scheduled for harvest, so that it can be offered to industry for sale or release. It also can be used for investments to offset the economic marginality of some of the scheduled timber lands by funding: 1) pre-roading projects, 2) application of advanced logging technology, and 3) precommercial thinning.

On the basis of the commercial forest land (CFL) contained in the VCU's allocated to LUD's III and IV, an average annual allowable sale quantity (ASQ) of 450 MMBF was calculated for the Forest for the original Plan. In order to support a timber management program to achieve the 450 MMBF average annual allowable sale quantity, it was estimated that an additional annual investment of \$11.7 million (1978 dollars) would have to be made above the \$23.5 million that was then being spent on the timber management program. Such additional investment needs were based on the anticipated effects on the timber supply of designating the areas originally proposed for Wilderness and of implementing the resource management policies that were included in the Southeast Alaska Area Guide. These funds are spent primarily on the prerooting of areas scheduled for timber sales in LUD III and LUD IV areas, for precommercial thinning, and for the application of advanced logging technology, as indicated in Table 6. Precommercial thinning accelerates growth of regenerated stands, pre-roading is needed to access low volume or marginal harvest units, and research/administrative studies lead to the implementation of advanced logging systems such as multispan or helicopter.

9/ The volume of timber that may be sold on an average annual basis from suitable lands allocated to LUD's III and IV during the life of the Plan. Volumes offered and sold/released annually may be higher or lower than the average annual ASQ, but the total amount sold/released may not exceed the ASQ when averaged over the life of the Plan (10 years). This means that while it is possible to sell more than 450 MMBF in a given year(s), less than 450 MMBF would have to be sold in another year(s) to compensate for the excess.

The estimated annual investments were based on the expected average market conditions which were regarded as cyclical for Tongass timber products. The investment levels required for any given year were to be determined by the expected future market conditions.

TABLE 6 TIMBER MANAGEMENT PROGRAM

	Average Annual Timber Management Program FY 1980-1989	
	Volume (MMBF)	Cost <i>a/</i> (MM\$)
Volume Available with:		
Normal Investments		
LUD III <i>b/</i>	67.0	2.9
LUD IV <i>c/</i>	271.0	11.9
Added Investments		
Pre-Roading <i>d/</i>	60.0	14.6
Precommercial Thinning (ACE) <i>e/</i>	34.0	3.0
Advanced Logging <i>f/</i>	18.0	2.8
Total Program	450.0	35.2
Original Investment Level		23.5
<u>Additional Investment</u>		<u>11.7</u>

a/ FY 1978 dollars.

b/ An error in the original Forest Plan calculation has been corrected by decreasing the volume available with normal investments by 3 MMBF and \$.2 million. For simplicity, the original Forest Plan displayed all LUD III volume as qualifying for 'Pre-roading'. Annual cost includes Forest Service support and sale preparation of the 67 MMBF assumed in the Plan to be accessed through purchaser credit road construction.

c/ An error in the original Forest Plan calculation has been corrected by increasing the LUD IV volume available with normal investments by 3 MMBF and \$.2 million. Annual cost includes Forest Service support and sale preparation of the 271 MMBF assumed in the Plan to be accessed through purchaser credit road construction.

d/ Volume accessed and sold as a result of pre-roading timber sales where environmental mitigation needs or marginal timber values result in the road cost exceeding the value of the timber to be sold. Cost includes Forest Service road construction, engineering support, and sale preparation. To get a complete picture of the volume and cost of the pre-roading program, LUD III Normal Investments must also be considered as available for pre-roading.

e/ Volume derived from increased future yields resulting from precommercial thinning. This is termed the 'Allowable Cut Effect' (ACE) of precommercial thinning and involves thinning an average of 6,300 acres per year. Cost includes thinning and sale preparation.

f/ Volume from areas requiring more sophisticated logging systems than are presently in use. There is an additional 8 MMBF of this component included as incidental annual volume in the normal sales program of the Forest Plan. Cost includes sale preparation and research/administrative studies.

2. Distribution of the Programmed Harvest

An allowable sale quantity (ASQ) verification analysis was completed in 1985. The conclusion drawn from this verification analysis was that the ASQ of 4.5 billion board feet per decade remains valid. However, land status changes between 1979 and 1984 and improvements to the analytical model (FORPLAN) used to verify the ASQ have resulted in a redistribution of Area contributions to the ASQ and a related redistribution of the programmed harvest by timber volume classes. (For more information, refer to Appendix B--Land Status Changes and Appendix C--ASQ Verification.) The redistribution of the ASQ to the three Administrative Areas has been displayed in Tables 2-4 in the Anticipated Outputs discussion of Section III. Table 7 below displays how the ASQ is further distributed by commercial forest land (CFL) harvest operability classes and the timber volumes associated with the precommercial thinning allowable cut effect.

TABLE 7--DISTRIBUTION OF THE AVERAGE ANNUAL ALLOWABLE SALE QUANTITY BY HARVEST OPERABILITY CLASS (FY 1980-89)

	CHATHAM AREA	STIKINE AREA	KETCHIKAN AREA	TONGASS TOTAL
	MMBF/yr ^{a/}	MMBF/yr	MMBF/yr	MMBF/yr
NORMAL OPERABLE CFL ^{b/}	113.7	88.5	196.1	398.3
NON-STANDARD OPERABLE CFL ^{c/}	7.1	11.2	7.7	26.0
ALLOWABLE CUT EFFECT (PCT) ^{d/}	9.0	9.0	16.0	34.0
LOW VOLUME MARGINAL CFL ^{e/}	0.3	0.4	0.5	1.2
SUBTOTAL	130.1	109.1	220.3	459.5
LESS VOLUME FOR ANTICIPATED ^{f/} LAND STATUS CHANGES	-9.5	-----	-----	-9.5
TOTAL VOLUME SCHEDULED	120.6	109.1	220.3	450.0

^{a/} All volumes are expressed on an average annual basis.

^{b/} Net volume scheduled from CFL inventoried as available for harvest using existing logging systems (e.g. high-lead, single-span skyline, A-frame, and tractor).

^{c/} Net volume scheduled from 32% CFL inventoried as available for harvest using advanced logging systems not in common use (e.g. helicopter, balloon, and multispans skyline). 8 MMBF is anticipated incidental to the normal program.

^{d/} Net volume derived from the "Allowable Cut Effect" estimated from the precommercial thinning of an average of 6,300 acres per year.

^{e/} Net volume from 10% CFL calculated as available low volume marginal.

^{f/} Additional annual volume scheduled for harvest to compensate for possible alternate land selections by the corporations who had selected lands on Admiralty Island (Shee Atika and Kootznoowoo). It was originally expected that alternate selections would be located on the Chatham Area. Kootznoowoo has since selected land (for timber management purposes) on the Ketchikan Area. Shee Atika has stayed on Admiralty Island (through Dec. 1985). Thus far, corporate's (and State of Alaska) land selections have reduced the available additional volume by 5.5 MMBF per year, leaving 9.5 MMBF per year in reserve for future adjustments in land status.

During the life of this Plan, the three Administrative Areas will strive to make timber volume available in accordance with their distributed share of the overall ASQ as described in Tables 2, 3, 4, and 7 and in accordance with the volume class distribution described in Table 8. Timber made available is defined here as timber sales which have been analyzed through the appropriate NEPA process and where necessary Federal and State permits have been acquired. The actual on-the-ground layout, appraisal and timber sale offer or release will be subject to market demands and may vary from the programmed harvest and volume class distribution. It is anticipated that the timber volume actually made available will vary from the annual averages displayed for both the total and in the volume class distribution of each Administrative Area. The objective is to ensure that the total acres harvested are not in excess of those scheduled for any volume class over the 10 year period. It is further anticipated that the average annual volume class distribution will be dependent on the market conditions that exist at the time timber sale offerings are made. For example, it is anticipated that during periods of relatively high timber market values, timber offerings in the lower volume classes (less than 30 MMBF/acre) are more likely to be sold/released.

Table 8 displays the acres scheduled for timber harvest on an average annual basis that are needed to attain the ASQ during the first decade (1980-89). Table 8 also displays the estimated harvest volume from these acres. (See Appendix C for additional information)

TABLE 8--ACRES SCHEDULED FOR HARVEST ANNUALLY BY
TIMBER VOLUME CLASS (FY 1980-1989)

VOLUME CLASS	CHATHAM AREA	STIKINE AREA	KETCHIKAN AREA	TONGASS TOTAL
8-20 MMBF/ACRE				
ACRES SCHEDULED/yr	1,016	1,270	2,439	4,725
VOLUME MMBF	13.30	16.62	31.93	61.85
20-30 MMBF/ACRE				
ACRES SCHEDULED/yr	2,343	2,152	2,079	6,573
VOLUME MMBF	55.54	51.03	49.31	155.88
30-50 MMBF/ACRE				
ACRES SCHEDULED/yr	1,251	1,026	2,198	4,475
VOLUME MMBF	44.84	36.89	79.04	160.77
50+ MMBF/ACRE				
ACRES SCHEDULED/yr	148	95	1,260	1,503
VOLUME MMBF	7.03	4.50	59.98	71.50
TOTAL				
ACRES SCHEDULED/yr	4,758	4,542	7,976	17,276
VOLUME MMBF	120.60	109.10	220.30	450.0

3. Small Business Set-aside Program

The timber sale program on the Tongass consists of two segments: timber already purchased under two, 50-year long-term sales, and an annual program of short-term sales. ^{10/} The short-term sales are offered for competitive bidding on an annual basis. In 1977, the Forest Service began setting

^{10/} Short-term timber sales are defined as those requiring harvest completion within ten years or less. A majority of the sales in this category are for a period of five years or less.

aside 80 MMBF annually in short-term sales under the provisions of the 1958 Small Business Timber Set-Aside Program. This was done to encourage the participation of small businesses in the timber industry by increasing their opportunities to bid on short-term timber sales.

Under the SBA Set-Aside Program, sales are targeted for qualified small businesses (those with less than 500 employees) as part of the short-term sales program. The SBA Set-Aside Program gives qualified timber purchasers the opportunity to bid on timber sales without competition from the larger firms. In an SBA set-aside program timber sale, 50 percent of the sawlog volume must be sold locally to small businesses for processing.

4. Relationship of Timber Sales Program to the Annual Projects Identification, Analysis and Description Process

The timber sales program is related to the to the Annual Projects Identification, Analysis and Description Process as follows:

1. Project Identification - Timber sale preparation projects that are included in the Land Management Plan Activities Schedules, will be considered when projects are identified for Area Analysis. For timber sale projects, implementation will normally be three or more years in the future. Sales considered for Area Analysis will have the Timber Sale Position Statement (STARS Gate One) completed.

2. Analysis Area Scheduling - A schedule of timber sale projects, listed by MA and/or VCU, will be updated annually. These projects, as identified in Step 1 above, will provide part of the basis for Area Analysis scheduling. Timber system/transportation analysis should also be programmed for the MA's and/or VCU's that Area Analysis's proposed for, in order to provide the information needed. Timber specialist will be included on Area Analysis interdisciplinary teams when timber projects are proposed. (This is equivalent to a preliminary step in Gate Two of STARS).

3. Area Analysis - The general feasibility of implementing the proposed timber sale preparation projects will be determined through the NEPA-based Area Analysis process. The general feasibility will consider resource characteristics, related economic factors, and local issues and concerns. Total timber sale layout of the scheduled CFL will be done to establish how initial and future harvest entries are to be coordinated within the analysis area. How other resource management needs influence alternative total timber sale layouts will be described as part of the analysis. Of primary interest is the road network analysis and wildlife/fisheries/visual management objectives for each alternative.

Silviculture stand examinations will be a primary source of information for harvest opportunities in the analysis area. Current inventory data should be used during the analysis, including that from available Logging System and Transportation Analyses (LSTA). An alternative that takes advantage of all the CFL acres which have been scheduled in the Plan should be developed and compared to other alternatives.

The Forest Supervisor's decision completes the Area Analysis process for short-term timber sales. Area Analysis of the VCUs and/or Management Areas included in 5 Year Long-Term Operating Plans, as approved by the Regional Forester completes process for long-term sales. (This is equivalent to the completion of Gate Two of STARS).

4. Project Description and Utilization - Feasible timber sale projects identified through Area Analysis will be scheduled for implementation in the budget process. Related activities including cruising and marking, transportation system survey and design, support activities, silvicultural prescription, and logging system feasibility reporting (if required) will be initiated when projects are scheduled. The sale plan implementation is considered complete with the approved Timber Sale Report. For long-term sales, scheduling and funding of required rate determination, completion of the harvest unit layout, and engineering support for design of transportation facilities is included. (This is equivalent to the completion of Gate Three of STARS.)

With the completion of the programmed activities identified as part of the sale plan implementation, as documented in the Timber Sale Report, a sample contract is prepared to reflect the resource needs identified during environmental analysis. The value of the timber is determined and the sale is advertised. For short-term timber sales, this completes the budgetary targets for sale preparation. (Timber sale offer also completes Gate Four of STARS.) For long-term sales, the individual harvest units are considered "made available" with the approval of a 5-Year Operating Plan EIS in Gate Two of STARS.

For short-term sales, contribution to Allowable Sale Quantity attainment is measured when the Bid Report (Gate Five of STARS) and Certification of Award (Gate Six of STARS) have been completed. For long-term sales, ASQ attainment is considered met with the formal release of harvest units to the purchaser.

D. MONITORING AND EVALUATION

Monitoring and evaluation are necessary to determine changes in the management situation, how well the Forest Plan's management direction is being followed, and whether anticipated outputs and effects are being realized. The specific objectives of the Plan's monitoring and evaluation are to determine whether the:

Management situation described in the Plan has changed.

Anticipated output levels are being achieved.

Environmental effects are as anticipated.

Scheduled activities are being implemented.

Management standards and guidelines are being implemented.

Resource information originally used to project outputs and effects was accurate.

Monitoring Changes in the Management Situation

The management situation is expected to change over-time in response to new or amended laws, organizational changes, social and economic conditions, and other factors. To assess this change, an annual process to provide the information needed to compare the current management situation with that described in TLMP. To adequately assess changes in the management situation, the following factors will be monitored on an on-going basis:

The influence of new laws, regulations, and planning direction on the Forest Plan.

Changes in biological, social, and economic conditions.

Other Agency activities.

Changes in Forest Service organizational structure.

Changes in land status.

Changes in the information base.

Changes in the issues, concerns and opportunities (ICOs).

Requirements for the Monitoring of Management Activities, Outputs, and Effects

Table 9 displays the elements required for monitoring of management activities, outputs and effects for each Administrative Area. Each of these elements includes a description of the activity, output, or effect to be monitored, as well as the monitoring objective, method of measurement, frequency, reporting period, standard of measure, and lead responsibility. Each of these elements appears as a column heading in the table.

4) Comparison of Alternative Management Activities Schedules

How the Alternatives A, B and C differ may be compared by examining the following tables. These tables consolidate and summarize much of the information which was presented in section II B 3 of this document.

Tables 24 a-c present how each of the alternatives responds to the four public issues (described in section II B 2) on each of the Administrative Areas.

Table

24 d summarizes how the alternatives respond to the first public issue on a Tongass-wide basis.

Tables 25 a-c present how many value comparison units are scheduled for different

kinds of management activities on the three Administrative Areas under each of the alternatives. Table 25 d summarizes how many VCUs are scheduled under the alternatives on a Tongass-wide basis.

TABLE 9 Plan Monitoring Requirements

MIH Code	Activity, Output, or Effect	Monitoring Objective	Monitoring Methodology	Minimum Monitoring Frequency	Reporting Period	Standard of Measure	Lead Responsibility Assigned to this Line Officer or Staff Unit
A02	Total acres to be managed for high visual quality by volume class as prescribed and approved by Admin-Area	To determine the number of acres prescribed for extended rotation by timber volume class, and to assess whether the number of acres scheduled by the Plan are sufficient or excessive	Count acres (planimeter from maps)	As identified	Annually	Acres by volume class	Forest Supervisor
A05 A06	Recreation Facility Construction or Reconstruction by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count facilities	Upon activity completion	Annually	Each by type of facility (e.g. cabin, resort, campground, lodge, airstrip, boat launch, marina, shelter, VIS center or parking lot, handicapped restroom, etc.)	Forest Supervisor
A10 A11	Total miles of trail construct. or reconstructed by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count miles	Upon completion	Annually	Miles	Forest Supervisor
C01	Total retention acres by volume class identified and approved by Admin-Area	To determine the number of acres identified for wildlife retention by volume class and to assess whether the number of acres retained by Plan are sufficient or excessive	Count acres	As identified	Annually	Acres by volume class	Forest Supervisor
C02	Total acres of non-structural habitat improvements by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count acres	Upon activity completion	Annually	Acres	Forest Supervisor
C03	Total number of structural habitat improvements by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count Improvements	Upon activity completion	Annually	Each	Forest Supervisor
E04	Total acres of regeneration as identified in SAI plans by Admin-Area	Measure whether cut-over lands are being adequately restocked within 5 years of final harvest	Traversed acres	Upon award of contract or completion by Force Account	Annually	Acres	Forest Supervisor

Plan Monitoring Requirements (continued)

MIN Code	Activity, Output, or Effect	Monitoring Objective	Monitoring Methodology	Minimum Monitoring Frequency	Reporting Period	Standard of Measure	Lead Responsibility Assigned to this Line Officer or Staff Unit
E05	Total acres of precommercial thinning accomplished by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan direction.	Traversed acres	Upon award of contract or completion by Force Account	Annually	Acres	Forest Supervisor
E06 X12	Short-term sales volume and harvest acres offered and sold by volume class by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan direction for each Admin-Area	Cruised volume; Estimated acres by stand	Upon offer	Annually	MBF; Acres by volume class	Forest Supervisor
E07 X14	Total long-term sale volume and harvest acres prepared for and formally released by volume class by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan direction for each Admin-Area	Cruised volume; Estimated acres by stand	Upon completion	Annually	MBF; Acres by volume class	Forest Supervisor
F03	Total acres of Watershed Improvements by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count acres	Upon completion	Annually	Acres	Forest Supervisor
L04 L05	Total miles of contracted road construction or reconstruction awarded by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules	Count miles	Upon contract award	Annually	Miles	Forest Supervisor
L14 L29	Total miles of timber purchaser road construct. or reconstruction by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan direction	Count miles	Upon contract award or Formal Release by the Forest Supervisor	Annually	Miles	Forest Supervisor
L18	Total number of bridges or major culverts contracted for installation using TTSF funds by Admin-Area	Measure accomplishments and identify uses of funding under ANILCA and deviations, if any, from the Plan direction. --Excludes all bridge and major culvert work included in other categories.	Count number	Upon contract award	Annually	Total by funding category	Forest Supervisor

Plan Monitoring Requirements (continued)

MIN Code	Activity, Output, or Effect	Monitoring Objective	Monitoring Methodology	Minimum Monitoring Frequency	Reporting Period	Standard of Measure	Lead Responsibility Assigned to this Line Officer or Staff Unit
L18	Total number of bridges or major culverts contracted for installation using funds other than TTSF by Admin-Area	Measure accomplishments and identify uses of funding other than ANILCA and deviations, if any, from the Plan activities schedules --includes all bridge and major culvert work included in categories other than TTSF.	Count number	Upon contract award	Annually	Total by funding category	Forest Supervisor
L21	Total number of Terminal Transportation Facilities (TTF) constructed or reconstructed using TTSF funds by Admin-Area	Measure accomplishments and identify uses of funding under ANILCA and deviations, if any, from the Plan activities schedules. --Excludes all TTF work included under other categories.	Count number	Upon contract award	Annually	Total by funding category	Forest Supervisor
L21	Total number of TTFs constructed or reconstructed using funds other than TTSF by Admin-Area	Measure accomplishments and identify uses of funding other than ANILCA and deviations, if any, from Plan activities schedules. --Includes all TTF work included in categories other than TTSF	Count number	Upon contract award	Annually	Total by funding category	Forest Supervisor
X20	Total long-term sale volume and acres prepared by volume class by Admin-Area	Measure accomplishments and identify deviations, if any, from Plan activities schedules for each Admin-Area	Cruised volumes Estimated acres by volume class	Upon the completion of the 5 year Operating Plan and FEIS	Annually	MBF; Acres by volume class	Forest Supervisor
X21	Total current year's carry Short-term sale volume by Admin-Area	For reporting current year's carryover volume that was fully prepared but not offered due to appeals, natural catastrophies, funding, and/or manpower limitations.	Cruised Volume	As identified	Annually	MBF	Forest Supervisor
Plan Monitoring Requirements (continued)							
X23	Total current year's unsold chargeable Short-term Sale volume offered by Admin-Area	For reporting current year's program chargeable volume that was offered but not sold	Cruised Volume	As identified	Annually	MBF	Forest Supervisor

MIH Code	Activity, Output, or Effect	Monitoring Objective	Monitoring Methodology	Minimum Monitoring Frequency	Reporting Period	Standard of Measure	Lead Responsibility Assigned to this Line Officer or Staff Unit
X24	Total current year's unsold nonchargeable Short-term Sale volume offered by Admin-Area	For reporting current year's program nonchargeable volume that was offered but not sold	Cruised Volume	As identified	Annually	MBF	Forest Supervisor
X26	Total past year carry over chargeable volume and acres awarded during the current year by volume class by Admin-Area	For reporting awarded volume and acres from chargeable sales previously prepared but not offered (X21 above)	Cruised Volume; Stand Acres	Upon Award	Annually	MBF; Acres by volume class	Forest Supervisor
X27	Total past year carry over nonchargeable volume and acres awarded during the current year by volume class by Admin-Area	For reporting awarded volume and acres from nonchargeable sales previously prepared but not offered (X21 above)	Cruised Volume; Stand Acres	Upon Award	Annually	MBF; Acres by volume class	Forest Supervisor
X28	Total past year carry over chargeable volume and acres awarded during the current year by volume class by Admin-Area	For reporting awarded volume and acres from chargeable sales previously prepared, offered and not awarded (X23 above)	Cruised Volume; Stand Acres	Upon Award	Annually	MBF; Acres by volume class	Forest Supervisor
X29	Total past year carry over nonchargeable volume and acres awarded during the current year by volume class by Admin-Area	For reporting awarded volume and acres from nonchargeable sales previously prepared, offered and not awarded (X24 above)	Cruised Volume; Stand Acres	Upon Award	Annually	MBF; Acres by volume class	Forest Supervisor

Evaluation Requirements

Evaluation is the process of examining the information collected through monitoring, measuring the change, and determining what action, if any, is needed. Evaluating changes in the management situation is based on information developed through the annual monitoring of management activities, outputs and information from other sources. An evaluation of the changes in the management situation, such as that contained in the 1984 Plan Evaluation Report, will be maintained on an on-going basis. ANILCA requires the development of periodic reports to Congress regarding the status of the Tongass National Forest. The annual Supply and Demand Report (706(a)) and bi-annual Status of Tongass National Forest Report (706(b)) are two formal methods for evaluating and documenting changes in the management situation.

Evaluation

Periodic summaries of evaluations and recommendations which address the identified monitoring requirements will be made to the Forest Supervisors. Recommendations can be of the following type:

- 1) No action needed. Monitoring indicates management direction is being achieved.
- 2) Clarification of management direction is needed. Monitoring indicates that management direction is difficult to follow due to a lack of clarity.
- 3) Amendment of management direction is needed.
- 4) Evaluation not conclusive, additional study or information is needed.
- 5) Initiate revision of the Forest Plan.

E. AMENDMENTS AND REVISIONS

Maintaining this Plan as a source of current management direction is accomplished through amendments and revisions. Amendments and revisions are necessary to respond to both minor and major changes in the management situation.

1. Amendments

The Forest Supervisor(s) may amend this Plan in accordance with Forest Service Manual (FSM 1922.33) direction. Based on an analysis of the management direction of the Forest Plan, the Forest Supervisor(s) will determine whether a proposed amendment is determined to be a significant change in the Plan. If it is, the Forest Supervisor(s) shall follow the same procedure as that required for development and approval of a Forest Plan. Only the issues that have triggered the need for an amendment will need to be addressed in the amending procedure. If the change resulting from the amendment is determined not to be significant, the Forest Supervisor will implement the amendment following appropriate public notification and satisfactory completion of NEPA procedures (36 CFR 219.10 (f)).

a. Periodic Plan Update Process This Plan will be kept current through a periodic updating procedure. Amendments made to the Plan in the preceding period as a result of completed planning and management actions will be incorporated in the Plan by reference. Members of the public will be informed about how the Plan has been changed in the preceding period through Plan Update notices.

2. Revisions

This Plan will ordinarily be revised on a ten year cycle but at least every 15 years, in accordance with Forest Service Manual (FSM 1922.34) direction. It may be revised sooner if the Forest Supervisors determine that conditions or demands in the area covered by this Plan have changed significantly on the basis of monitoring and evaluation results. Through the monitoring and evaluation process, recommendations may be made to the Forest Supervisors that conditions warrant a Forest Plan revision. Revisions are not effective until considered and approved in accordance with the requirements for the development and approval of Forest Plans (36 CFR 219.10(g)).

As stated in the original Plan, LUD's will not be altered until the Plan is revised.

This Plan is currently scheduled for revision in 1989.

APPENDICES

Appendix A. LUD Related Management Information Handbook (MIH) Activities

This Management Activity Reference Key lists the management activities that can be carried out under each of the four basic Land Use Designations. For definitions and a complete list of Forest Service management activities, refer to Management Information Handbook 1309.11a. The following list includes only those activities which are not applicable to all Land Use Designations. This list will be updated as changes are made to the Handbook.

CODE	TITLE	<u>LAND USE DESIGNATIONS</u>			
		I	II	III	IV
<u>A05</u>	<u>Recreation Facility and Site Reconstruction</u>	X ^{a/}	X	X	X
<u>A06</u>	<u>Recreation Facility and Site Construction</u>	X ^{a/}	X	X	X
<u>A07</u>	<u>Recreation Facility and Site Management</u>	X ^{a/}	X	X	X
<u>A08</u>	<u>Use Administration</u>		X	X	X
<u>B01</u>	<u>Wilderness Planning</u>	X			
<u>B02</u>	<u>Wilderness Inventory</u>	X			
<u>B03</u>	<u>Wilderness Use Administration</u>	X			
<u>E00</u>	<u>Timber Resource Management Planning and Inventories</u>		X	X	X
<u>E03</u>	<u>Silvicultural Examination and Prescription</u>			X	X
<u>E04</u>	<u>Reforestation</u>		X	X	X
<u>E05</u>	<u>Timber Stand Improvement</u>			X	X
<u>E06</u>	<u>Timber Sale Preparation</u>			X	X
<u>E07</u>	<u>Timber Harvest Administration</u>			X	X
<u>E08</u>	<u>Nursery Management</u>			X	X
<u>E09</u>	<u>Genetic Forest Tree Improvement Program</u>			X	X
<u>E10</u>	<u>Nursery Expansion or Improvement</u>			X	X
<u>E40</u>	<u>Commercial Fuelwood Sale Preparation and Administration</u>			X	X
<u>E41</u>	<u>Personal Use Fuelwood Sale Preparation and Administration</u>			X	X
<u>E42</u>	<u>Free Convertible Timber Product Preparation and Administration (Fuelwood and other products)</u>		X	X	X

^{a/} applies primarily to public use cabins

CODE	TITLE	LAND USE DESIGNATIONS			
		I	II	III	IV
E43	<u>Nonconvertible Products Free and For Sale Preparation and Administration</u> (eg. Christmas trees, boughs, bark, etc.)		X	X	X
F03	<u>Soil and Water Resource Improvement</u>		X	X	X
F08	<u>Soil and Water Resource Improvement Maintenance</u>		X	X	X
L02	<u>Arterial Road Preconstruction</u>		*	X	X
L03	<u>Arterial Road Construction and Engineering</u>		*	X	X
L04	<u>Arterial Road Construction</u>		*	X	X
L05	<u>Arterial Road Reconstruction</u>		*	X	X
L06	<u>Collector Road Preconstruction</u>		*	X	X
L07	<u>Collector Road Construction and Engineering</u>		*	X	X
L08	<u>Collector Road Construction</u>		*	X	X
L09	<u>Collector Road Reconstruction</u>		*	X	X
L10	<u>Local Road Preconstruction</u>		*	X	X
L11	<u>Local Road Construction Engineering</u>		*	X	X
L12	<u>Local Road Construction</u>		*	X	X
L13	<u>Local Road Reconstruction</u>		*	X	X
L14	<u>Timber Purchaser Road Construction</u>		*	X	X
L15	<u>Timber Road Construction Supplementation & Contribution</u>		*	X	X
L19	<u>Road Maintenance</u>		*	X	X
L24	<u>Fire, Administrative and Other Facility Construction/Reconstruction</u>		X	X	X
L25	<u>Fire, Administrative, and Other Facility Maintenance</u>		X	X	X
L29	<u>Timber Purchaser Road Reconstruction</u>		*	X	X
L49	<u>Timber Purchaser Road Reconstruction Engineering</u>		*	X	X
L50	<u>Timber Purchaser Road Construction Engineering</u>		*	X	X

* Only when needed in relation to vital Forest transportation system linkages.

APPENDIX B

Tongass National Forest Land Status Changes

This appendix describes the land status changes that have occurred since the Forest Plan was completed in March 1979. The TLMP Timber/Land Type PHOTO POINTS Database has been updated to reflect such changes and to correct some minor errors.

Tongass Land Status Changes

The land status of the Tongass National Forest has changed in response to recent legislation. The Alaska Statehood Act of 1958 authorized the selection of 400,000 acres from the Tongass and Chugach National Forests by the State of Alaska. The Alaska Native Claims Settlement Act of 1971 (ANCSA) authorized the transfer of about 44 million acres throughout the State of Alaska from Federal management to private ownership. Under ANCSA, Native Regional and Village Corporations were provided the opportunity to select from National Forest System lands. Many of the selections authorized by these acts have been conveyed to these Corporations and the State of Alaska.

Tongass National Forest land status was also affected by the Alaska National Interest Lands Conservation Act of 1980 (ANILCA). ANILCA authorized the transfer of lands from the Public Domain to the National Forest System and from the National Forest System to the National Park System. Wilderness boundaries were finalized by ANILCA, resulting in some changes in the original Plan's land allocations. These land status changes affected not only the total acreage of the Tongass, but also the amount of commercial forest land that was originally used as the basis for calculating the 4.5 MMBF Allowable Sale Quantity (ASQ).

A. Native and State of Alaska Land Selections

When the Plan was finalized in 1979, the Regional and Village Corporations had selected 575,133 acres, of which, less than 3,700 acres had been actually conveyed to Native ownership. Given the time limit imposed on selections, the SEALASKA Regional Corporation overselected approximately 100,000 acres by the time TLMP was approved. These overselections were made as a hedge against losing future selection opportunities. The commercial forest land contained in these overselections was regarded as available for calculating the ASQ during the development of TLMP, but unavailable for actual timber management until the overselections were resolved and the land was released by the Bureau of Land Management.

The State of Alaska had selected 153,104 acres at the point of TLMP implementation, of which, less than 130,000 acres had been approved or conveyed to State ownership. The commercial forest land contained in these acres were considered unavailable for calculating the ASQ during the development of TLMP.

B. Current Status of State and Native Selections

Table 1 displays the State and Corporate land selection acreages used during the development of the Forest Plan and the acreages used during the initial TLMP amendment process. Many of the Corporate overselections have been resolved. The remaining ones continue to be regarded as though held in Corporate ownership and the commercial forest land they contain is currently considered as unavailable for Tongass National Forest timber management.

The PHOTO POINTS Database was updated to reflect changes in land status. The database has been modified to reflect State and Corporate ownership of the lands actually conveyed as well as those lands where conveyance appeared imminent. Many of the corporate selections still have to be acted upon and additional State selections are still pending.

TABLE 1--STATE AND NATIVE LAND SELECTIONS

OWNER	SELECTION ACRES DURING TLMP DEVELOPMENT	CURRENT SELECTION ACRES OR ACRES CONVEYED
NATIVE VILLAGE AND REGIONAL CORPORATIONS	575,133	549,839 (464,605) ^{1/}
STATE OF ALASKA	153,104	178,272 (134,565) ^{1/}
TOTAL	728,237	728,111 (599,170) ^{1/}

^{1/} Acres actually conveyed are expressed in parentheses.

Source: TLMP planning records, the PHOTO POINTS Database (updated June 1984), and Land Areas of the National Forest System (September 1984).

C. ANILCA Land Status Changes on the Tongass National Forest

The greatest effect on the total Tongass land base was due to the passage of ANILCA. Three large tracts of land, totaling 1,463,400 acres, were added to the Tongass National Forest from the public domain. These additions included the Brabazon Range Addition, the Juneau Icefield Addition, and the Kates Needle Addition. ANILCA also affected the transfer of 64,075 acres from the Tongass National Forest to the National Park Service in Glacier Bay National Park. ANILCA, therefore resulted in a net addition of 1,394,069 acres to the Tongass.

D. Summary of Changes to the Tongass Land Base Since 1979

The net effect of the previous changes to the total Tongass land base is shown in Table 2. It is important to note that 166,356 acres were added to the Stikine Area to correct an error in the original acreage total for Management Area S03 (LUD 1 Release). These additional acres have yet to be sampled through photo interpretation to determine how many acres of CFL they contain. Since these acres are unsampled, they were not included in the total acres of CFL used to verify the allowable sale quantity (see Appendix C).

Other land status amendments to the PHOTO POINTS Database included the correction of some VCU acreages and other acreage coding errors that occurred during the development of the original Plan.

TABLE 2--SUMMARY OF LAND BASE CHANGES TO THE
TONGASS NATIONAL FOREST SINCE 1979

	ADDITIONS	SUBTRACTIONS	BALANCE
TOTAL ACRES USED IN DEVELOPING TLMP			15,189,193
NET CHANGE DUE TO CORPORATE SELECTIONS	25,294		
NET CHANGE DUE TO ANILCA	1,394,069		
CORRECTIONS TO THE STIKINE AREA ACREAGE (UNSAMPLED)	166,356		
SUBTOTAL	1,585,719		16,774,912
NET CHANGE DUE TO STATE SELECTIONS		25,168	
MISCELLANEOUS CORRECTIONS		42,850	
TOTAL		68,018	16,706,894

Source: TLMP planning records, the PHOTO POINTS Database (updated June 1984), and Land Areas of the National Forest System (September 1984).

Admiralty Land Selections and Tongass Commercial Forest Land

When the Plan was completed in 1979, the Shee Atika and Kootznoowoo Native Corporations had made several land selections on Admiralty Island. In recommending Admiralty Island for wilderness, it was recognized there could be considerable opposition to possible timber harvesting on Admiralty Island by these Corporations and that this could result in the Corporations selecting alternate lands elsewhere on the Forest. These alternate selections were expected to result in a net decrease in the LUD 3 and LUD 4 CFL acres available for timber management. Anticipating this effect, enough commercial forest land was scheduled for harvest to support a yield of as much as 15 MMBF annually in addition to the 450 MMBF average annual ASQ.

The subsequent designation of Admiralty Island as a Wilderness through ANILCA had no effect on the acres of CFL scheduled for timber management since the Plan had already recommended these acres for a LUD 1 allocation. The additional CFL acres made available on Admiralty Island through the release of some of the lands previously selected by the Corporations (including the Goldbelt Corporation) also had no effect on the CFL scheduled for timber management under the Plan. The substitute land selections made elsewhere by the Corporations did decrease the net CFL scheduled for timber management. However, the effects of this decrease had been anticipated as described above.

Land Status Changes and Tongass Commercial Forest Land

The land status changes have caused the acres of productive commercial forest land (CFL) available for timber management to change. Table 3 displays the acreage totals used to develop and the totals after updating the PHOTO POINTS Database. These acres are displayed by LUD (including unclassified lands) and by CFL classification. The unclassified areas include ANILCA additions, and areas that were recommended for wilderness by TLMP but subsequently released from wilderness recommendations by ANILCA. The latter are commonly referred to as LUD 1 Release areas.

The total LUD 1 CFL in was 1.646 million acres. ANILCA left 95,000 of these acres in the unclassified category which, when combined with updated LUD 1 CFL, brings the total to 1.755 million acres. The release of Admiralty Island selections and the addition of LUD 3 and 4 acres to the West Chichagof-Yakobi Wilderness resulted in a corresponding increase in CFL acres within LUDs 1. A further increase in LUD 1 CFL acres is due to changes in the method used to calculate the CFL. In the original Plan, the acres were calculated by dividing the total acres in the Value Comparison Units (VCUs) allocated to each LUD by the number of PHOTO POINTS included in those VCUs to determine an average number of acres per PHOTO POINT. The average acres per PHOTO POINT increased slightly due to the post-ANILCA land status changes and the use of a more detailed averaging method that was based on Administrative Areas and physiographic area.

It should be noted that the official net acreage for the Tongass National Forest is 16,815,700 acres which differs somewhat from the totals reflected in the tables of this appendix. The majority of this difference is due to the fact that the official total includes acres that have either not yet been conveyed to the State (43,707 acres) or selected by the Corporations and not conveyed (85,234 acres). The totals expressed in the tables of this appendix do not include these acres. The net difference in the totals is 20,136 acres (.12% difference) and is probably due to differences in the interpretation of mean high tide.

TABLE 3--TOTAL ACREAGE BY LAND USE DESIGNATION (LUD), INCLUDING COMMERCIAL FOREST LAND (CFL)

MILLIONS OF ACRES

	Original Plan Land Area					UNCLASS- IFIED	TOTAL	**	Present Plan Land Area 1/ UNCLASS-					TOTAL
	LUD 1	LUD 2	LUD 3	LUD 4	IFIED				LUD 1	LUD 2	LUD 3	LUD 4	IFIED	
TOTAL LAND AREA	5.399	2.745	2.853	4.212	-----	15.189	**	5.546	2.643	2.777	4.192	1.549	16.707	
TOTAL CFL	1.646	.532	1.261	2.254	-----	5.694	**	1.660	.495	1.242	2.244	.095	5.736	
NORMAL OPERABLE CFL	-----	-----	.479	1.117	-----	1.596	**	-----	-----	.476	1.113	-----	1.588 2/	
NON-STANDARD OPERABLE CFL	-----	-----	.151	.292	-----	.443	**	-----	-----	.149	.290	-----	.439 2/	
LOW VOLUME MARGINAL CFL	-----	-----	.077	.138	-----	.215	**	-----	-----	.071	.137	-----	.208 3/	
TOTAL CFL 4/ AVAILABLE	-----	-----	.707	1.547	-----	2.254	**	-----	-----	.695	1.539	-----	2.235	
CFL SCHEDULED 5/	-----	-----	.535	1.224	-----	1.759	**	-----	-----	.531	1.219	-----	1.750	

Note: Summing these figures may result in minor deviations as all figures were rounded to the nearest 1000 acres.

1/ All LUD III figures referencing CFL acres do not include Special LUD III CFL.

2/ The normal and non-standard operable CFL acres do not include wildlife retention acres.

3/ Low volume marginal CFL acres include all such initially operable CFL acres.

4/ The sum of the normal operable, non-standard, and low volume marginal CFL.

5/ The sum of the present normal operable, 32 percent of the present non-standard, and 10 percent of the low volume marginal acres.

APPENDIX C

Verification of the TLMP 4.5 Billion Board Foot Allowable Sale Quantity

The Forest Planning (FORPLAN) model was used during 1985 to determine if the Plan's Allowable Sale Quantity (ASQ) could still be attained in light of the changes identified in the 1984 TLMP Evaluation Report (ER). This appendix defines terms related to the modeling performed, describes the purpose of and factors leading to a verification of the allowable sale quantity, and discusses the FORPLAN model controls used in this analysis.

Summary

The Evaluation Report identified the verification of the original Plan's 4.5 MMBF allowable sale quantity as one of the Action Proposals for the initial TLMP Amendment process. Specifically, the verification was to determine if the ASQ had been affected by one or more of the following:

- 1) changes in the Tongass National Forest land base due to the enactment of ANILCA and the conveyance of lands to Corporations and the State of Alaska (described in Appendix B);
- 2) changes in timber utilization standards;
- 3) changes in the TLMP Distribution of Programmed Harvest (LPK supplement);
- 4) changes in the timber inventory due to recent harvest activities and the implementation of wildlife, fish, and visual coordination requirements; and
- 5) corrections in the computer modelling constraints for those areas of high visual sensitivity.

Net timber yields were used in place of the gross yields used in TLMP. The effects of pre-commercial thinning on timber yield were also evaluated.

The conclusion drawn from this verification effort is that the changes described in the TLMP ER have not adversely affected the original ASQ calculation of 4.5 billion board feet per decade (4.65 MMBF less 0.15 MMBF held in reserve for anticipated land selections by the Kootznoowoo and Shee Atika Corporations). However, the land status changes and corrections to the planning model have resulted in minor changes in each Administrative Area's contribution to the overall ASQ. Slight changes in the distribution of the programmed harvest by volume class were also necessary. The current Administrative Area contributions to the ASQ, are displayed below. Table 7 (at the end of this appendix) displays, by volume class, the changes in the distribution of the programmed harvest.

Chatham Area	1206 MMBF	(1301 MMBF less 95 MMBF held in
Stikine Area	1091 MMBF	reserve for land selections)
Ketchikan Area	2203 MMBF	
<hr style="border-top: 1px dashed black;"/>		
Tongass Total	4500 MMBF	(4595 MMBF less 95 MMBF held in reserve for land selections)

Definitions

In order to describe how FORPLAN was used, there are several terms that require definition. These include:

ALLOWABLE SALE QUANTITY (ASQ)

ASQ refers to the maximum quantity of timber that may be sold each decade from the Tongass National Forest. This quantity is expressed as a board foot measure and is calculated in accordance with applicable timber utilization standards specified in the Regional Guide, the number and type of acres available for timber management, and the intensity of timber management. The ASQ was calculated at 4.5 billion board feet per decade for the Tongass National Forest. This translates to an average annual ASQ of 450 million board feet during the 1980-89 period described in the Plan.

ASQ VERIFICATION

The process of determining if the original ASQ for the Tongass National Forest can still be attained in light of the changes described in Finding B.2.d.(2)(b) of the TLMP Evaluation Report (ER). Specifically, the process was to determine if the ASQ was affected by changes in land status due to the conveyance of lands to Corporations and the State of Alaska the establishment of final Wilderness Area boundaries; changes in timber utilization standards (1979); changes in timber programmed harvest direction; and by the original modelling limits imposed on timber activities for visual resource values.

FOREST PLANNING MODEL (FORPLAN)

FORPLAN is a linear programming model used for analyzing and scheduling land management activities over time. In this application, FORPLAN was used only for the scheduling of acres for timber harvesting.

INTERDISCIPLINARY TEAM (IDT)

A group of individuals representing differing disciplines or areas of expertise who work as a team in carrying out the requirements of the planning process. Use of IDTs is intended to bring a variety of disciplinary perspectives to bear on problem solving and analysis.

LONG-TERM SUSTAINED YIELD CAPACITY (LTSYC)

LTSYC is a calculation of the highest uniform timber yield from lands being managed for timber production that may be sustained under a specified management intensity, consistent with multiple-use objectives. This calculation reflects the acres scheduled for timber management and the form of such management. It assumes harvest takes place as scheduled.

NONDECLINING YIELD (NDY)

Under the principle of NDY, the timber volume to be sold in any future decade must be greater than or equal to that volume planned for sale in the preceding decade, and the volume planned for sale for any decade must be less than or equal to the calculated long-term sustained yield capacity.

OBJECTIVE FUNCTION

Each FORPLAN run is based on an objective function defining the problem to be solved. FORPLAN evaluates all the available activity and timing choices in terms of the objective function and produces a solution that is the theoretical maximum over the specified time period. "Maximize Timber for 1 Decade" was the objective function used during the development of the original Plan and during this process to maintain consistency and to provide a basis for comparison.

Overview

During the development of the original Plan, an ASQ of 4.5 billion board feet was calculated for the first decade (1980-89). This calculation was made using the timber land base made available by the Plan and reflected anticipated land status changes that could result from the enactment of pending legislation. The 1984 TLMP Evaluation Report (ER) identified the need to verify the ASQ in light of the many changes that had occurred since the original calculation. The discussion to follow provides a brief summary of this verification.

The TLMP ER established that the ASQ verification effort involve the following:

- 1) -- Updating the Plan's Timber/Land Type PHOTO POINTS Database to incorporate changes in Tongass NF acres due to the land conveyances to Corporations and the State of Alaska, ANILCA land base adjustments and final Wilderness Area establishment, the return of over-selections acres from the Regional Corporation, and the correction of known database errors. These changes were to reflect the current land status of the Tongass National Forest. (See Appendix B, Tongass National Forest Land Status Changes.)
- 2) -- Adjusting timber yield estimates to reflect the late-1979 changes in utilization standards.
- 3) -- Incorporating changes in direction in the TLMP Distribution of Programmed Harvest resulting from a supplement^{a/} to the LPK long-term sale operating plan.
- 4) -- Incorporating changes in the timber inventory due to recent harvest activities and the implementation of wildlife, fish, and visual coordination requirements.
- 5) -- Adjusting the timber harvest schedule in areas of high visual sensitivity. This was to correct an identified error in the original ASQ calculation and to bring timber activity schedules in line with the original TLMP intents.
- 6) -- Documenting the process used to verify the ASQ.

During the initial TLMP Amendment, net timber yields were used in place of previously used gross yields in the ASQ verification process. The effects of pre-commercial thinning (PCT) on timber yield and the ASQ were also evaluated.

^{a/} See Revised Long-term Sale Unit Selection Plan for the 1984-89 Operating Period.

The ASQ as Calculated for TLMP--an Overview

The 4.5 MMBF ASQ was originally calculated by using the Resource Allocation Model (RAM). The ASQ was later duplicated with an early version of the Forest Planning model (FORPLAN) when it replaced RAM. The ASQ represents the total timber volume that was scheduled for harvest from the normal operable commercial forest land (CFL), thirty-two percent of the non-standard operable CFL, and 10 percent of the low volume marginal CFL acres. The ASQ also included harvest volume resulting from the allowable cut effect (ACE) associated with the precommercial thinning of stands on highly productive soils. The ASQ calculation of was a direct function of the number and type of CFL acres available for timber harvest scheduling, the acres retained for fish and wildlife management (not programmed for harvest), and the number of acres retained for visual resource management (programmed for prolonged harvest rotation).

Ten percent (10%) of the low volume marginal CFL acres were considered available for scheduling but these acres were not included in RAM or in the subsequent FORPLAN model. Precommercial thinning (discussed in greater detail below) was evaluated outside of the computer models and was estimated as contributing 340 MMBF to the decadal ASQ if 63,000 acres of PCT were completed each decade.

Land Status Changes and the ASQ as Calculated for TLMP

Land status changes were entered into the PHOTO POINTS database and the resulting updated CFL acres were modelled in FORPLAN to determine if these changes had an effect on the calculated ASQ. FORPLAN was then run as it was for this original Plan, allowing for the correction of modelling errors. It is important to note that ASQ verification began with the construction of a separate FORPLAN model for each Administrative Area. Following an initial series of FORPLAN runs, the ASQ verification was concluded with the development of a Tongass-wide FORPLAN model. The results of the Tongass-wide FORPLAN modelling are described later in this appendix (Table 7).

The FORPLAN model constructed for each Administrative Area only included normal operable CFL. As with the original ASQ calculation, low volume marginal CFL (10% of the total) was not modelled. The ASQ contribution from non-standard operable CFL was held constant at 260 MMBF per decade, the original ASQ contribution. Precommercial thinning was incorporated into the model and the acres available for this activity were limited to 63,000 acres per decade. The 150 MMBF per decade held in reserve on the Chatham Area in anticipation of corporate land selections was evaluated in light of the land status changes.

The modelling results from the the ASQ verification are displayed below in Tables 1 through 4 for each Administrative Area and the Tongass total. This analysis indicates the 4.5 MMBF ASQ can be maintained on the current land base. Also, approximately 55 MMBF of the original 150 MMBF for anticipated land status from alternative land selections for Village corporations having selection rights on Admiralty Island were needed thus far, leaving a residual of 95 MMBF per decade. It should be noted that the 55 MMBF is reflective of the collective changes in land status due to selections by the Corporations and the State of Alaska. The PHOTO POINTS database will continue to be updated as selections are conveyed.

It is important to note that while all FORPLAN runs were solved under a non-declining yield constraint, the Area-specific FORPLAN analysis produced different Area contributions to the overall ASQ than was the case in 1979. This change is due to the land status changes (refer to Appendix B, Table 2). The displays in Tables 1 through 4 provide a side-by-side comparison of the ASQ contribution for each Administrative Area and the Tongass as a whole.

TABLE 1--ASQ COMPARISON FOR THE CHATHAM AREA (Average MMBF/year)

	ORIGINAL ESTIMATED DISTRIBUTION	SUBSEQUENT DISTRIBUTION	PRESENT DISTRIBUTION
NORMAL OPERABLE CFL	-----	113.0	113.7
NON-STANDARD OPERABLE CFL	-----	7.1	7.1
ALLOWABLE CUT EFFECT (PCT)	-----	9.0	9.0
LOW VOLUME MARGINAL CFL	-----	0.3	0.3
SUBTOTAL AVAILABLE		129.4	130.1
LESS VOLUME FOR ANTICIPATED LAND STATUS CHANGES		-15.0	-9.5
TOTAL VOLUME SCHEDULED	130.0	114.4	120.6

TABLE 2--ASQ COMPARISON FOR THE STIKINE AREA (Average MMBF/year)

	ORIGINAL ESTIMATED DISTRIBUTION	SUBSEQUENT DISTRIBUTION	PRESENT DISTRIBUTION
NORMAL OPERABLE CFL	-----	88.0	89.5
NON-STANDARD OPERABLE CFL	-----	11.2	11.2
ALLOWABLE CUT EFFECT (PCT)	-----	9.0	9.0
LOW VOLUME MARGINAL CFL	-----	0.4	0.4
TOTAL VOLUME SCHEDULED	105.0	108.6	109.1

TABLE 3--ASQ COMPARISON FOR THE KETCHIKAN AREA (Average MMBF/year)

	ORIGINAL ESTIMATED DISTRIBUTION	SUBSEQUENT DISTRIBUTION	PRESENT DISTRIBUTION
NORMAL OPERABLE CFL	-----	203.0	196.1
NON-STANDARD OPERABLE CFL	-----	7.7	7.7
ALLOWABLE CUT EFFECT (PCT)	-----	16.0	16.0
LOW VOLUME MARGINAL CFL	-----	0.5	0.5
TOTAL VOLUME SCHEDULED	215.0	227.2	220.3

The Administrative Area contributions to the overall ASQ were originally estimated as volume ranges (Tables 1-3 display the high side of these ranges). The Subsequent Distribution column displays the March 1980 direction which provided a more specific redistribution of the ASQ. The Present Distribution column displays an ASQ redistribution reflecting the land status changes to date. Note the reduction in the Ketchikan Administrative Area's contribution to the overall ASQ. As was previously the case, the volume held in reserve for land selections has been applied to the Chatham Administrative Area.

TABLE 4--ASQ COMPARISON TONGASS-WIDE (Average MMBF/year)

	ORIGINAL ESTIMATED DISTRIBUTION	SUBSEQUENT DISTRIBUTION	PRESENT DISTRIBUTION
NORMAL OPERABLE CFL 1/	413.3	404.0	398.3
NON-STANDARD OPERABLE CFL 2/	17.7	26.0	26.0
ALLOWABLE CUT EFFECT (PCT) 3/	34.0	34.0	34.0
LOW VOLUME MARGINAL CFL 4/	(1.2) 5/	1.2	1.2
<u>SUBTOTAL AVAILABLE</u>	<u>465.0</u>	<u>465.2</u>	<u>459.5</u>
LESS VOLUME FOR ANTICIPATED LAND STATUS CHANGES 6/	-15.0	-15.0	-9.5
<u>TOTAL VOLUME SCHEDULED</u>	<u>450.0</u>	<u>450.0 7/</u>	<u>450.0</u>

INFORMATION SOURCES: TLMP FEIS-Part 2 (pp.6,11), TLMP FEIS Appendix H (p.H5), TLMP Evaluation Report (p.94), and FORPLAN

1/ Net volume scheduled from CFL inventoried as available for harvest using existing logging systems (e.g. high-lead, single-span skyline, A-frame, and tractor).

2/ Net volume scheduled from 32% CFL inventoried as available for harvest using advanced logging systems not in common use (e.g. helicopter, balloon, and multispan skyline). 8 MMBF is anticipated incidental to the normal program.

3/ Net volume derived from the "Allowable Cut Effect" estimated from the precommercial thinning of an average of 6,300 acres per year.

4/ Net volume from 10% CFL calculated as available low volume marginal.

5/ Net volume from 10% CFL calculated as available low volume marginal is included in the normal operable CFL volume of 413.3 MMBF per year (above).

6/ Additional annual volume scheduled for harvest to compensate for anticipated land selections by Native Corporations who had originally selected lands on Admiralty Island (Shee Atika and Kootznoowoo). It was originally expected that alternate selections would be located on the Chatham Area. Kootznoowoo has since selected land on the Ketchikan Area and had an impact on the potential harvest level. Shee Atika has stayed on Admiralty Island. Thus far, the collective change due to Native Corporation and State of Alaska selections have resulted in a net reduction of 5.5 MMBF per year, leaving 9.5 MMBF per year in reserve for future adjustments in land status.

7/ In disaggregating the average annual Administrative Area contributions to the total ASQ, the overall ASQ was rounded to 450.0 MMBF and the Area contributions were rounded to 115.0 MMBF for Chatham, 108.0 MMBF for Stikine, and 227.0 MMBF for Ketchikan.

Changes in Timber Utilization Standards and the ASQ Calculation

In late 1979 two changes in timber utilization standards were made which resulted in more material being removed from harvested areas than was originally calculated. The first of these changes included the lowering of the minimum diameter requirement from 12 inches to 9 inches. This required that logs be removed from the harvest area if 9 inches in diameter or greater at breast height. The second change required the removal of sound material that was suitable for chipping for pulp production even if it was not suitable for lumber or cant production. It was estimated these changes would yield an additional 10 to 15 percent over the volume originally calculated for the Plan and would, therefore, not adversely affect the ASQ. In April of 1984, timber utilization standards were relaxed somewhat for a one year period (recently extended another year) in response to the depressed timber market conditions. This relaxation in utilization standards primarily affected the cedar component (increased minimum top diameter to 10 inches from 6 inches) and the board footage that could either be left on-site (less than 30 BF) or moved to and left at landings (less than 50 BF). LPK has used this option only during the past year, when the company harvested only a fraction of the volume that was available to it.

The TLMP Evaluation Report identified the need to include the 1979 changes in timber utilization standards in the overall ASQ verification process. The changes in utilization standards were included in the ASQ verification process in the anticipation that the increased yield resulting from the 1979 changes would offset some of the other factors that might adversely affect the ASQ. After reviewing these other factors and determining there was no effect on the ASQ, the analysis of the utilization standards was suspended. However, it should be pointed out that by returning to the 1979 timber utilization standards, somewhat fewer acres would have to be harvested to provide the volume originally scheduled.

Precommercial Thinning and the ASQ as Calculation

Precommercial thinning (PCT) involves the thinning of very young stands (usually age 10-15) to improve the spacing and species composition, to remove surplus, damaged or diseased trees, and to optimize the growth of the remaining trees until the next harvest cycle. This increases the growth rate of the remaining trees, increases the expected timber board foot volume at the next harvest cycle, and shortens the average harvest rotation cycle by 20 years. When calculating an ASQ, all the these factors combine to increase timber future inventory which, in turn, results in an ability to increase current harvest levels. This increase in current harvest levels is commonly referred to as the "Allowable Cut Effect" (ACE) of precommercial thinning. A more accurate term might be "timber inventory effect" since it is future timber inventory from a board foot standpoint that is directly influenced rather than harvest level or current growth.

In developing the original Plan, differing acreages of precommercial thinning were evaluated and each time the resulting ACE was calculated separately from the harvest volume estimates. Harvest volume was, in turn, estimated through the Timber RAM model and was based on the overall timber harvest activity schedule. The original Plan prescribed 6,300 acres of PCT per year and estimated that the ACE associated with this level of PCT would contribute 34 MMBF (5.4 MBF/acre of PCT) towards the average annual 450 MMBF ASQ (7.5 percent).

Precommercial thinning was included in the Area and Tongass-wide FORPLAN models as a means of evaluated ASQ with and without precommercial thinning. The following criteria were used in this modelling.

- 1) The harvesting of second growth stands could take place 20 years earlier if it had been precommercially thinned.
- 2) The harvest volume at rotation age would be greater for those acres precommercially thinned.
- 3) PCT was limited to 6,300 acres per year for 200 years.

The results of this analysis also indicates that the 34 MMBF ACE originally attributed to PCT was probably conservative. This can be attributed to the estimated increase in future timber volume and to the shorter rotations on precommercially thinned acres. The original calculation used a simple modelling technique that did not shorten the rotation age and estimated yields without the benefit of 'managed' timber yield tables specific to the Tongass NF. Such local managed yield tables were also not available for this verification process, though, they are being developed for Forest Plan revision. Until such tables are developed, it would be premature to change the PCT contribution to the ASQ.

Table 6 displays the distribution of harvest across the volume classes within each Administrative Area. In comparing the two columns, it is important to note the increase in acres scheduled for harvest in the 30-50 MBF/acre and 50+ MBF/acres volume classes. This is due to the fact that pre-commercial thinning is limited to areas of higher soil productivity which are in turn directly correlated to these two higher volume classes.

Changes in the Distribution of Programmed Harvest (LPK Supplement), Recent Harvest Activities, and High Visual Sensitivity Constraints and the ASQ Calculation

In March of 1980, additional direction was provided regarding the distribution of the programmed timber harvest. This direction provided each Administrative Area with the acres to be prepared for harvest by volume class and incorporated the distribution of programmed harvest in the Louisiana Pacific-Ketchikan (LPK) Timber Sale Plan for 1979-1984. The TLMP Evaluation Report identified the need to assess the effect these changes may have had on the ASQ since the original calculation was not as locationally specific. The Evaluation Report also identified the need to perform a similar evaluation of the harvest activities accomplished to date and to correct the computer modelling control associated with the prolonged rotation of lands managed for high visual sensitivity. The PHOTO POINTS Database was updated to include land status changes and to correct errors. Data fields were also added to summarize information by Administrative Area, physiographic area, and long-term contract or short-term sale areas. This provided additional spatial information on the location of the acres scheduled for timber harvest and assisted in the structuring of Tongass-wide FORPLAN model. Several Tongass-wide FORPLAN runs were made, in a sequential fashion, to perform the evaluations called for in the Evaluation Report.

The first FORPLAN run was made to test model controls and included the corrections for high visual sensitivity. Once these controls were found to be working properly, a second run was made to duplicate the 1980 direction on the distribution of programmed harvest. A third run was made, building on the second, with the added requirement to perform the timber harvest activity accomplishments to date. Another run was made using the same basic modelling as the preceding run with the additional requirement that each Area schedule a

decadal harvest greater than or equal to that achieved under Area-specific FORPLAN analysis (as displayed in Tables 1 through 4 in this appendix). This last run also imposed a limit on the acres to be harvested in the first decade so as to conform to the original Plan direction.

Upon completing the FORPLAN runs, the solutions were reviewed and it was determined there was no affect on the ASQ as it was originally calculated at 4.5 billion board feet per decade. To re-emphasize, Area-specific and Tongass-wide FORPLAN runs were made to determine if the incremental effects of the changes described in the TLMP Evaluation Report had affected the ability to achieve the ASQ.

The sequence of FORPLAN runs began with a model structure which displayed a timber harvest activity schedule across all initially operable commercial forest. This run tested model controls to ensure they were performing the intended function. In this run, FORPLAN was subjected to the following instructions:

objective function--"Maximize Timber for 1 Decade"

this instructs the model to maximize the timber volume scheduled in decade 1

non-declining yield

this requires that the scheduled timber volume for any decade must be greater than or equal to that of the preceeding decade

an "equals to" link to the long-term sustained yield capacity (LTSYC)

this requires that the model ensure that the timber volume scheduled in decade 20 is equal to the calculated LTSYC. LTSYC was calculated for the 20th decade in this verification process.

a 200 year rotation for those LUD 3 acres managed for high visual sensitivity

this controls the rate of harvest from existing stands (an average of 5% per decade) and subsequent regeneration is set for 200 years

a 120 year rotation for those LUD 4 acres managed for high visual sensitivity

this controls the rate of harvest from existing stands (an average of 8 1/3% per decade) and subsequent regeneration is set at 120 years

apply TLMP retention factors to temper timber yield expectations due to wildlife/timber management coordination requirements

this instructs FORPLAN to assign a maintenance level FORPLAN prescription (no timber activities) to those operable CFL acres not scheduled for harvest due to the application of wildlife retention factors (acres retained).

comply with the timber harvest unit dispersion requirements of the Regional Guide

this instructs the model to schedule activites in a manner consistent with the policy of not locating an "opening" (clearcut) next to an existing "opening". An opening is defined as a clearcut where the resulting regenerated stand is less than 5 feet in height. Harvest unit dispersion is achieved by controlling the rate of activity within

FORPLAN land categories (analysis area accessibility constraints) and by applying a second set of controls on the rate of activity within spatially defined areas.

Following this initial run, a sequential series of FORPLAN runs were structured to add the controls needed to:

Ensure a replication of the March 1980 (LPK supplement) changes in the distribution of programmed harvest acres. Specifically, the model was instructed to achieve the volume targets assigned by Administrative Area, the overall harvest acre targets by volume class, the volume targets for non-standard operable CFL, and the number of acres prescribed for pre-commercial thinning.

Reflect the FY 80-84 ASQ attainment record (timber activities) and to ensure an activity schedule that is within the confines of the existing long-term harvest contract requirements. These controls were added to include accomplishments to date and to reflect the spatial realities and contract provisions of the Long-Term Sales.

Incorporate the redistribution of the ASQ across the three Administrative Areas as determined during the development of the ANILCA 706(b) Report. Specifically, the model was instructed to achieve the non-declining yield identified for each Administrative Area, the volume targets for non-standard operable CFL, the number of acres prescribed for pre-commercial thinning, and to not exceed the number of harvest acres originally programmed for the Plan. The last FORPLAN run displayed the volume class distribution needed to provide a non-declining yield harvest schedule for each Area that reflected the changes in Tongass National Forest land status. Maximize Timber for 20 decades was used as the objective function after having solved a comparable run under Maximize Timber for 1 decade. This was done to duplicate the long-term sustained yield.

Upon completing these FORPLAN runs, the solutions were reviewed and it was determined there was no appreciable effect on the ASQ. The results of these runs are summarized below in Tables 5 and 6. Table 5 summarizes the distribution of the total acres of initially operable commercial forest land on the Tongass National Forest by Land Use Designation and management intensity.

TABLE 5--ACRES OF INITIALLY OPERABLE CFL BY LUD AND MANAGEMENT INTENSITY

LAND USE DESIGNATION	MANAGEMENT INTENSITY	ACRES	ACRES NOT SCHEDULED FOR HARVEST	ACRES SCHEDULED FOR HARVEST
LUD--1	NORMAL	640,282		
	UNREGULATED	677,668		
	NON-STANDARD	240,719		
	LOW VOLUME MARGINAL	101,556		
			1,660,225	
LUD--1 (RELEASE)	NORMAL	43,307		
	UNREGULATED	33,620		
	NON-STANDARD	12,377		
	LOW VOLUME MARGINAL	5,818		
			95,122	
LUD--2	NORMAL	151,244		
	UNREGULATED	257,696		
	NON-STANDARD	55,658		
	LOW VOLUME MARGINAL	30,272		
			494,870	
LUD--3 (SPECIAL)	NORMAL	34,800		
	UNREGULATED	36,821		
	NON-STANDARD	10,995		
	LOW VOLUME MARGINAL	5,383		
			87,999	
<hr/>				
LUD--3	NOT SCHEDULED FOR HARVEST			
	NORMAL-WILDLIFE RETENTION	151,954		
	UNREGULATED	306,317		
	NON-STANDARD	101,501		
	LOW VOLUME MARGINAL	63,531		
			623,303	
	SCHEDULED FOR HARVEST OVER THE ROTATION			
	NORMAL-HARVEST	326,111		
	NORMAL-200 YEAR ROTATION	149,754		
	NON-STANDARD-HARVEST	47,765		
	LOW VOLUME MARGINAL-HARVEST	7,059		
				530,689
LUD--4	NOT SCHEDULED FOR HARVEST			
	NORMAL-WILDLIFE RETENTION	126,150		
	UNREGULATED	578,014		
	NON-STANDARD	197,211		
	LOW VOLUME MARGINAL	123,537		
			1,024,912	
	SCHEDULED FOR HARVEST OVER THE ROTATION			
	NORMAL-HARVEST	1,005,050		
	NORMAL-120 YEAR ROTATION	107,452		
	NON-STANDARD-HARVEST	92,805		
	LOW VOLUME MARGINAL-HARVEST	13,726		
				1,219,033
TOTAL ACRES NOT SCHEDULED			3,986,431	
TOTAL ACRES SCHEDULED OVER THE ROTATION				1,749,722
TOTAL INITIALLY OPERABLE CFL			5,736,153	

Table 6 displays the March 1980 and November 1985 distributions of the harvest volume for decade 1.

TABLE 6--SCHEDULED HARVEST ACRES AND VOLUME
SUMMARIZED BY VOLUME CLASS FOR DECADE 1

CHATHAM AREA		MARCH 1980 DISTRIBUTION	NOVEMBER 1985 DISTRIBUTION
8-20			
MACRES HARVEST		9.06	10.16
VOLUME MBF		----	132.97
20-30			
MACRES HARVEST		21.49	23.43
VOLUME MBF		----	555.37
30-50			
MACRES HARVEST		11.54	12.51
VOLUME MBF		----	448.36
50+			
MACRES HARVEST		1.36	1.48
VOLUME MBF		----	70.30
TOTAL			
MACRES HARVEST		43.45 1/ (47.26)	47.58
VOLUME MBF 2/		1150.00	1206.00
STIKINE AREA		MARCH 1980 DISTRIBUTION	NOVEMBER 1985 DISTRIBUTION
8-20			
MACRES HARVEST		12.81	12.70
VOLUME MBF		----	166.24
20-30			
MACRES HARVEST		20.79	21.52
VOLUME MBF		----	510.34
30-50			
MACRES HARVEST		5.58	10.26
VOLUME MBF		----	368.95
50+			
MACRES HARVEST		.27	.95
VOLUME MBF		----	44.97
TOTAL			
MACRES HARVEST		39.45 1/ (43.03)	45.42
VOLUME MBF 2/		1080.00	1091.00
KETCHIKAN AREA		MARCH 1980 DISTRIBUTION	NOVEMBER 1985 DISTRIBUTION
8-20			
MACRES HARVEST		24.04	24.39
VOLUME MBF		----	319.27
20-30			
MACRES HARVEST		19.27	20.79
VOLUME MBF		----	493.08
30-50			
MACRES HARVEST		21.66	21.98
VOLUME MBF		----	790.40
50+			
MACRES HARVEST		9.95	12.60
VOLUME MBF		----	599.76
TOTAL			
MACRES HARVEST		74.92 1/ (82.47)	79.76
VOLUME MBF 2/		2270.00	2203.00

TABLE 6--SCHEDULED HARVEST ACRES AND VOLUME
SUMMARIZED BY VOLUME CLASS FOR DECADE 1 (cont)

TONGASS-WIDE	MARCH 1980 DISTRIBUTION	NOVEMBER 1985 DISTRIBUTION
8-20		
MACRES HARVEST	45.91	47.25
VOLUME MBF	----	618.48
20-30		
MACRES HARVEST	61.55	65.73
VOLUME MBF	----	1558.79
30-50		
MACRES HARVEST	38.78	44.75
VOLUME MBF	----	1607.70
50+		
MACRES HARVEST	11.58	15.03
VOLUME MBF	----	715.03
TOTAL		
MACRES HARVEST	157.82 ^{1/} (172.76)	172.76
VOLUME MBF ^{2/}	4500.00	4500.00

^{1/} These acre totals displayed by volume class for the March 1980 distribution do not include the acres associated with the allowable cut effect of precommercial thinning or those acres associated with advanced logging technology as they were not originally differentiated by volume class in TLMP. The Area and Tongass-wide totals, inclusive of these acres, are displayed in parentheses. The acres displayed in the November 1985 distribution do include the acres associated with the allowable cut effect of precommercial thinning or those acres associated with advanced logging technology. All figures are rounded and may not sum to the displayed totals.

^{2/} The changes in Administrative Area contributions to the overall ASQ reflect land status changes. All figures are rounded and may not sum to the displayed totals.

APPENDIX D: FOREST-WIDE PROCEDURES FOR IMPLEMENTING WILDLIFE AND FISHERIES RETENTION DURING THE REMAINING PORTION OF THE PLANNING PERIOD (1986-1989).

The Retention provision in TLMP is for managing wildlife and fish habitats on the Tongass National Forest. Certain species find optimal habitat in old growth forest for all or part of their life requirements. For these species, management to maintain or enhance habitat values requires that key forested areas be retained as uneven-age stands that provide essential habitat components.

Successful implementation of the retention provision during the remaining portion of the current planning period requires that the three Administrative Areas of the Tongass National Forest employ uniform procedures in all related planning and management activities. The objectives of the procedures are to:

1. Define and identify areas of important wildlife and fish habitat that are eligible for management under the retention provision.
2. Delineate areas retained in the context of land units that are fundamental to all levels of planning on the Tongass National Forest.
3. Formalize implementation of the retention provision in project planning and implementation through the NEPA process.
4. Maintain a complete and current inventory of all habitats managed under retention prescriptions.
5. Utilize the Regional information management system to track and report retention-related accomplishments for wildlife and fisheries that are achieved through project implementation.
6. Through the Regional habitat analysis process, achieve a smooth transition in habitat management from the existing (1979-1989) planning period to the next planning period to be implemented under the revised TLMP.

The following procedures are to be applied in implementation of the retention provision under the amended TLMP during the remaining years of the current planning period (1986-1989). They shall be applied consistently on all three Administrative Areas of the Tongass National Forest.

Implementation Objective

The objective of implementation of the TLMP wildlife and fish retention provision is to manage key areas of essential habitat for wildlife and fish species, primarily old-growth forest, within areas that would otherwise meet timber scheduling criteria. These areas shall be managed under retention prescriptions that maintain the uneven-age structure of component stands, and that ensure the continued existence of old growth habitat components required to maintain related population levels of dependent wildlife and fish species.

Amounts and Distributions of Retention

The Retention Factor Method applied in TLMP provided estimates of the acreages to receive special prescriptions that would be needed to adequately address wildlife and fish habitat needs in conjunction with timber harvest. The actual acreages needed to meet the standards and guidelines contained in the Plan may deviate substantially from these estimates, and should be monitored closely to maintain the mix of habitat and timber harvest levels specified in the Plan. This is done by comparing the TLMP estimates with the actual acreages related for retention prescriptions.

Where a retention prescription that precludes timber harvest is applied, the actual number of selected acres shall be utilized in comparing to the retention acreage estimated in the Forest Plan. When a retention prescription involves a selective harvest, the number of acres that count as "retention" shall be reduced to reflect the timber yield provided by the selective harvest. For example, a selective harvest that produces 50 percent of maximum timber yield from a 400-acre retention area counts as 200 acres of retention acreage.

The required distribution of retention among VCU's may also deviate from the suggested distributions provided in the Plan. The Areas may exercise flexibility in applying retention prescriptions among and within VCUs to reflect current knowledge of habitat condition and dependent species needs.

Species Managed under the Retention Provision

The Retention Factor Method leading to existing retention acreage guidelines was based on generalized habitat needs of one bird species (the bald eagle), six big game species (brown bear, black bear, wolf, deer, moose, mountain goat), and five collective categories (salmonids, furbearers, marine mammals, land birds, water birds). This same set of "emphasis" species and categories may be used in implementation of the retention provisions for the remainder of the planning period. However, as potential management indicator species are identified through application of the Regional habitat analysis process, they may be substituted for these species and categories on a case-by-case basis. The emphasis or potential management indicator species used in implementation of the retention provisions will be those for which old growth forest serves as essential habitat for all or part of their life requirements. These species will be used to represent all species having associations with old-growth forest.

Relationship of the Retention Provision to Wildlife and Fish Habitat Management Units

Under the Regional habitat analysis process, all terrestrial and aquatic habitats of the Forest will be organized into mutually exclusive wildlife Habitat Management Units (WHMU) and Fish Habitat Management Units (FHMU), which are areas of land or water having potential to provide high quality habitat for one or more emphasis or potential management indicator species.

Application of the retention provision in a WHMU or FHMU or portion of a WHMU or FHMU will have these particular features: (1) existing vegetation must be old-growth forest that meets the definition of essential habitat for the species featured in the habitat management unit; and (2) a retention

prescription that maintains essential old-growth components has been identified as the preferred habitat treatment.

Identification of Retention Acres

Definitions of essential habitat for the emphasis species and categories or potential management indicator species shall be developed and used to identify key areas of old-growth habitat. These definitions must be based on measurable features of terrain and vegetation, for which values are available in existing inventory data bases or are easily measured from maps or imagery. Areas of old-growth forest in LUDs III and IV that meet the definitions of key habitat shall be identified for consideration as retention acres during area analysis.

The definitions of essential habitat and the procedures for their application and use will be found in Forest Service Handbooks (R-10 FSH 2609.24 and R-10 FSH 2609.26 presently in development). The same set of habitat definitions will be applied on all three Administrative Areas of the Tongass National Forest. Development of uniform habitat definitions will be on-going and applicable for a specific species, or group of species, when completed.

Delineation of Retention Acres

Delineation of habitat retention acres must occur in a manner that ensures compatibility with the Regional information management system. Areas to be considered for retention prescriptions shall be delineated as contiguous land units that are the fundamental spatial units to which all resource data are related in the Forest Plan data base and in the Area data bases used for Forest Plan implementation.

Implementation of Retention Prescriptions

Determination of areas to be managed under a retention prescription occurs as part of the Annual Projects Identification, Analysis, and Description Process for Forest Plan implementation, as follows:

Area Analysis.--- Through the Area Analysis process, management direction provided in the Plan is refined, using current information based on actual field conditions, to better define the resources situation on the Forest. Areas delineated for consideration through the retention provision shall be evaluated as an integral part of the analysis. These evaluations shall document (1) how various retention configurations will contribute to Analysis Area objectives for emphasis species or potential management indicator species; and (2) relationships of the proposed retention areas to other uses and activities scheduled for the Analysis Area. To analyze cumulative effects, total timber sale layout of the area being assessed for these delineations must be included for each Analysis Area alternative.

Project Planning.--- In project planning, the interdisciplinary team (IDT) shall utilize the Area Analysis findings to incorporate retention provision into their formulations of management alternatives. Specific configurations under consideration for retention, and associated retention prescriptions, shall be built into each management alternative evaluated by the IDT. All areas considered for retention must be fully displayed in the NEPA planning documents for each project. As a minimum, information presented for each area to be

considered for retention prescriptions must include: (1) location of the respective WHMU or FHMU; (2) acreages contained within the prospective retention area by timber volume class; (3) species to be featured; (4) specific retention prescription; and (5) description of habitat values to be maintained or enhanced by managing the unit under the prescribed retention treatment.

Project Implementation.— Final determination of which acres shall be managed under retention prescriptions occurs in the NEPA process, when a management alternative is selected for implementation by the respective line official. Each area of operable CFL to be managed under these provisions that is displayed in the selected alternative shall be managed under its associated retention prescription for the remainder of the planning period.

Inventory

A current accounting of "retention acres" shall be maintained as part of the Regional inventory of wildlife and fish habitats. In the near future, this accounting will be maintained through the STANDS data base that is used to maintain inventories of timber and wildlife/fish habitats. WHMU and FHMU identifiers are encoded into STANDS; this establishes a locational record for each management unit and provides data on acreages, biotic and abiotic features, and management information. Portions of WHMU's and FHMU's that are suitable for retention prescriptions (i.e., are to be considered during Area Analysis) are identified as such in the fish diagnosis and wildlife diagnosis components of STANDS. Appropriate retention prescriptions are encoded into these elements for all planning units comprising the areas.

During project implementation, the retention acreage is updated to reflect the final selections of areas to be managed under retention prescriptions. The prescribed management for units is encoded into the appropriate activity components of the STANDS data base. The management of these retention acres is tracked in the inventory as wildlife and fisheries accomplishments, as described in the following section.

Reporting Accomplishments

Planning and management activities related to application of retention provision shall be reported as wildlife and fisheries accomplishments under element C01 (Surveys, Planning, Prescriptions, Monitoring, Cooperation, and Administration) of the National reporting system. Three types of activities shall be reported:

1. In the Area Analysis process, activities related to the identification of areas to be considered for retention prescriptions shall be reported under activity type 601 (Surveys, Inventories, and Planning). The unit of measure is the number of acres identified for such consideration.
2. In project implementation, the acres managed under retention prescriptions shall be reported as accomplishments under activity type 602 (Prescriptions). The unit of measure is the number of acres managed under the retention prescriptions.
3. Following plan implementation, all activities related to the monitoring of habitat conditions and/or wildlife and fish populations within areas retained

shall be reported under activity type 603 (Monitoring). The unit of measure is the number of acres included in the monitoring activities.

To automate the reporting process, these accomplishments shall be tracked through appropriate activity components of the STANDS data base.

Appendix E. Existing Electronic Sites

The following Table lists all existing electronic sites presently being used on the Tongass National Forest. These sites are used for electronic communications systems, receivers, transmitters, monitoring equipment and navigational aids. Sites are defined as parcels of land on which electronic equipment, antenna towers and necessary buildings for communication and navigation are located.

This list designates these sites for future additional joint use and occupancy as per the Forest Service Manual 2728.1(3), Interim Directive No. 47.

Site plans approved by the Regional Forester or Forest Supervisor are required on all sites if modifications to the site are proposed. Joint occupancy of existing facilities is required where physically and technically compatible. All sites are authorized by the Federal Land Policy and Management Act (43 U.S.C. 1761).

Area and District	Management Area	VCU/ LUD	Site Name	Site Location	Site Size	Permittee or Owner	Elevation	
Chatham Area Juneau RD	C03	25C LUD III	Bessie Mountain	SW4, Section 16 T.38 S., R.64 E., CRM	1 ac.	Alascom	2,850	
	C06	27C LUD III (Special)	Auke Mountain #1	NW4NE4, Section 20 T.40 S., R.65 E., CRM	1 ac.	Forest Service	1,870	
	C13	70C LUD IV	Beezer Mountain	SE4, Section 13 T.49 S., R.74 E., CRM	1 ac.	Forest Service	4,100	
	C15	107C LUD III	William Henry Peak	SE4SW4, Section 17 T.36 S., R.61 E., CRM	1 ac.	Forest Service	3,458	
	C18	115C LUD III	Point Howard	E2, Section 3 T.41 S., R.63 E., CRM	1 ac.	Alascom	1,800	
	C19	120C LUD III	Sisters Island	E2NW4, Section 3 T.43 S., R.62 E., CRM	42 ac.	Federal Aviation Adm. AK State Troopers	30	
	C21	126C LUD IV	Mt. Robert Barron	SE4, Section 18 T.42 S., R.65 E., CRM	1 ac.	Forest Service U.S. Coast Guard Fed. Aviation Adm.	3,475	
	C52	357C LUD I	Russell Fjord	NW4NE4, Section 3 T.24 S., R.34 E., CRM	1 ac.	Park Service	3,950	
	C59	383C LUD II	Akwe River	SW4SW4, Section 9 T.30 S., R.32 E., CRM	5 ac.	Fed. Aviation Adm. Forest Service	1,200	
	Admiralty Island National Monument	C22	138C LUD I	Randolph Peak	NE4SW4, Section 14 T.46 S., R.70 E., CRM	1 ac.	Snettisham	3,000
			146C LUD I	Wheeler Creek	NW4, Section 28 T.44 S., R.65 E., CRM	1 ac.	Alascom	25
			156C LUD I	Windfall Harbor	SW4NW4, Section 34 T.47 S., R.62 E., CRM	1 ac.	Forest Service	2,900
			166C LUD I	Angoon Adm. Site	SW4, Section 31 T.50 S., R.68 E., CRM	1 ac.	Alascom	100
Hoonah RD		C25	258C LUD IV	Pelican Mt.	SE4SW4, Section 26 T.44 S., R.55 E., CRM	1 ac.	Alascom	2,171
		C28	195C LUD IV	Adolphus Neka	SW4NW4, Section 32 T.41 S., R.52 E., CRM	1 ac.	Alascom	1,670
		201C LUD IV	Mountain	SW4NW4NW4, Section 35 T.43 S., R.59 E., CRM	1 ac.	Forest Service	3,139	
Sitka RD	C34	246C LUD IV	Moore Mountain	NW4NE4, Section 31 T.49 S., R.64 E., CRM	1 ac.	Wrangell Forest Products	3,075	
	C35	262C LUD IV	Steelhead	NW4SE4, Section 13 T.42 S., R.59 E., CRM	1 ac.	Forest Service	2,339	
	C37	237C LUD IV	South Passage	57° 44' 48" N 134 58' 4" W	5 ac.	Alascom	2,031	
	C41	274C LUD IV	Rodman Bay	57° 22' 55" N 135 18' 45" W	2 ac.	Alascom	3,000	
	C44	305C LUD IV	Upper Kreuzof	SE4NW4, Section 18 T.53 S., R.61 E., CRM	1 ac.	Forest Service	2,300	
		307C LUD III	Mud Bay	SE4SW4, Section 25 T.54 S., R.61 E., CRM	1 ac.	Alascom	1,055	
	C47	316C LUD II	Manley Mountain	57° 06' 55" N 134 18' 30" W	5 ac.	Alascom	2,215	
		327C LUD II	Mt. Furuhele Area	SW4SW4, Section 18 T.56 S., R.66 E., CRM	1 ac.	Forest Service	5,280	
	C50	351C LUD II	Bjorka Island	57° 51' N 135 33' W	151 ac.	Federal Aviation Administration	100	

Area and or District	Management Elevation Area	VCU Name	Site Location	Site Size	Site Owner	Permittee		
Stikine Area Petersburg RD	S02	908 LUD II	Franklin Peak	NW4NE4, Section 8 T.55 S..R.78 E..CRM	20'x20'	Forest Service	3810'	
	S06	4055 LUD I	Kuiu Mountain	SW4NW4, Section 9 T.61 S..R.73 E..CRM	20'x20'	Forest Service	3325'	
	S11	4258 LUD IV	Gunnuk	NW4SE4, Section 28 T.65 S..R.73 E..CRM	100'x100'	Alascom	2050'	
	S13	4395 LUD IV	Duncan Canal	SE4NW4, Section 17 T.59 S..R.78 E..CRM	50'x50'	Alascom	2606'	
	S15	4458 LUD I	Petersburg Mountain	NW4SW4, Section 21 T.58 S..R.79 E..CRM	50'x50'	Alascom	1860'	
	S16	4475	Lindenberg Peak	SW4NE4, Section 23 T.59 S..R.78 E..CRM	20'x20'	Forest Service	3249'	
	Wrangell RD	S21	4608 LUD IV	Kashevarof	SW4NW4, Section 13 T.65 S..R.80 E..CRM	100'x100'	Alascom	780'
		S23	4675	Keating Peak	SW4SW4, Section 17 T.66 S..R.83 E..CRM	20'x20'	Forest Service	3051'
4688			Navy Peak	SW4SW4, Section 11 T.67 S..R.84 E..CRM	20'x20'	State of Alaska	3665'	
S25		4808 LUD IV	Fools Peak	NW4SW4, Section 21 T.65 S..R.87 E..CRM	20'x20'	Forest Service	3133'	
		4908 LUD I	Horn Mountain	SW4NW4, Section 14 T.58 S..R.80 E..CRM	50'x50'	Alascom	2500'	
S34		4958 LUD I	Elbow Mountain	NW4NW4, Section 3 T.60 S..R.86 E..CRM	20'x20'	Forest Service	4246'	

Area and District	Management Area	VCU	Site Name	Site Location	Site Size	Permittee or Owner	Elevation
Ketchikan Area Thorne Bay RD	K05	544K	Cape	NE4SE4NW4, Section 22	.04 ac.	Alascom	10'
		LUD IV	Pole	T.68 S., R.25 E., CRM			
	K08	574K	Ratz	SE4, Section 26	.01 ac.	Alascom	1,955'
		LUD III	Mountain	T.69 S., R.82 E., CRM			
		574K	Ratz	SW4SE4, Section 26	.005 ac.	South Coast	3,161'
		LUD III	Mountain	T.69 S., R.82 E., CRM			
	K09	572K	Coffman	SE4, Section 35	.156 ac.	Alascom	30'
		LUD IV	Coffman	T.67 S., R.81 E., CRM			
		572K	Coffman	SE4, Section 25	.156 ac.	Sitka Telephone	30'
		LUD IV	Coffman	T.67 S., R.81 E., CRM			
	581K	Ratz	SE4, Section 26	1 ac.	Alaska Aviation	3,156'	
	LUD IV	Mountain	T.69 S., R.82 E., CRM		Alaska Loggers		
K10	586K	Thorne	NW4NW4, Section 27	.45 ac.	Alascom	87'	
	LUD III	Ray	T.71 S., R.84 E., CRM				
	600K	Tolstoi II	Section 16	1 ac.	Alascom	2,210'	
	LUD III		T.72 S., R.85 E., CRM				
Craig RD	K14	609K	1/2 Mile	SW4NW4, Section 6	1 ac.	Alascom	2,166'
	LUD IV			T.73 S., R.82 E., CRM			
	K21	631K	Hill 1400	Section 31	1.25 ac.	Alascom	1,398.5'
	LUD IV			T.75 S., R.82 E., CRM			
Ketchikan RD	K31	725K	Bell	SE4, Section 11	.5 ac.	Rediscovery	2,000'
		LUD II	Island	T.68 S., R.98 E., CRM		Lodge	
	K37	758K	Black	NW4, Section 14	.25 ac.	Rainbird	2,058'
		LUD II	Mountain	T.75 S., R.92 E., CRM		Broadcasting	
	K40	864K	Betton	SE4, Section 25	.46 ac.	Rainbird	1,138'
		LUD II	Head	T.73 S., R.89 E., CRM		Broadcasting	
	K41	763K	High Mountain	SW4, Section 18	.01 ac.	KPU, Rainbird	2,500'
	LUD III	(Gravina)	T.75 S., R.90 E., CRM		Broadcasting,		
		(Special)			Alaska Aviation		
					Pond Reef Fire		
					Department		
	K44	806K	Mt. Dolly	NE4, Section 18	.5 ac.	Scotties	5,475'
	LUD III			T.68 S., R.100 E., CRM		Gold Mine	
Misty Fiords National	K43	818K	Quartz	SE4, Section 3	.1 ac.	U.S. Borax	3,800'
	LUD I	Hill		T.75 S., R.98 E., CRM			
		(Non-					
		Wilderness)					
		Nat'l					
		Monument					
Monument		859K	High	NE4, Section 20	100'x200'	Alascom	1,976'
	LUD I	Mountain		T.80 S., R.97 E., CRM			