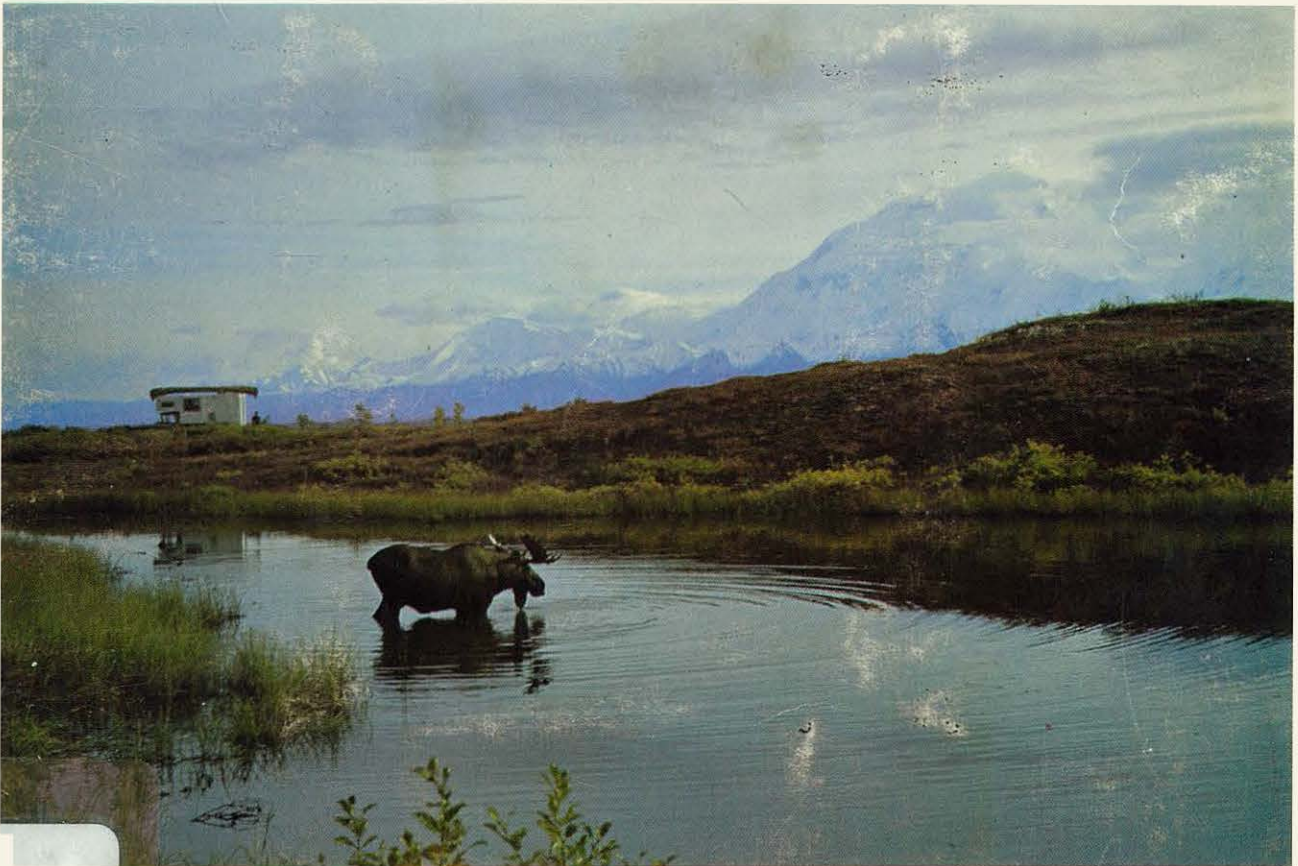


STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

ALASKA OUTDOOR RECREATION PLAN

VOLUME FOUR, APPENDIXES



ALASKA OUTDOOR RECREATION PLAN

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CONSULTANT'S LETTER OF INTRODUCTION TO
ALASKANS WITH OUTDOOR RECREATION RESPONSIBILITIES

Exhibit B-1 contains the letter of introduction sent in to the Alaska Outdoor Recreation Council and other Alaskans with outdoor recreation responsibilities to solicit their ideas on outdoor recreation planning.

Cresap, McCormick and Paget
Management Consultants

206 SANSOME STREET, SAN FRANCISCO, CALIFORNIA 94104 • Telephone: (415) 781-8421 • Cable: Consultant-Sanfrancisco
San Francisco • Los Angeles • New York • Washington
Chicago • Munich

We are writing you to enlist your help in preparing a comprehensive outdoor recreation plan for Alaska.

As you may know, a formal plan is necessary if the State is to maintain its eligibility for continued participation in the Federal Land and Water Conservation Fund. Our firm has undertaken an assignment to work with Ted Smith of the Branch of Parks and Recreation of the Department of Natural Resources to prepare a new plan. Because of your involvement with outdoor recreation in Alaska, we are interested in your ideas as well as those of your associates on this important subject. The attached sheet explains the background of the project and poses significant preliminary questions.

You may have already met members of the CMP staff during our study of tourism. In coming months, Bill Crandall, Steve Pease or myself from CMP as well as representatives of the Branch of Parks and Recreation may be contacting you to collect information and solicit your suggestions on the future development of Alaska's recreation facilities. Since we cannot call on everyone, we encourage you to contact Ted Smith's office to voice your opinions or offer suggestions. So we can carefully process your ideas, we would appreciate having them in writing.

Thank you for your interest, and your assistance on behalf of the people of Alaska.

Best regards,

Norman P. Clement, Jr.
Partner

cc/Mr. Theodore G. Smith
Chief, Parks & Recreation

BACKGROUND ON
ALASKA'S OUTDOOR RECREATION PLAN

OUTDOOR RECREATION
PLANNING

The Land and Water Conservation Fund Act of 1964 provides for joint Federal and state participation in planning, acquiring and developing outdoor recreation areas and facilities. To become eligible for Federal participation in these acquisition and development projects, a state must prepare and maintain a comprehensive statewide outdoor recreation plan which meets the requirements of the Bureau of Outdoor Recreation. To quote the Bureau of Outdoor Recreation Grants-In-Aid Manual, "this plan shall be, in essence, an orderly statement of:

- A. Present and projected demand for outdoor recreation;
- B. Present and potential supply of outdoor recreation resources, including an inventory and classification of areas;
- C. Present and projected needs for resources, facilities and programs determined by relating demand to supply of outdoor recreation resources;
- D. A program of implementation to meet these needs."

ALASKA'S PLAN

The State of Alaska submitted its original plan, Alaska's Public Outdoor Recreation Plan, in September of 1965. In October 1966, a revised plan was presented to the Bureau of Outdoor Recreation, and subsequently approved. To further strengthen the demand portion of this plan, the Alaska Outdoor Recreation Demand Survey was conducted in 1966-67 to obtain better information on resident preferences and participation in outdoor recreation. Results of this survey have been briefly summarized but have not yet been completely evaluated. In 1967, a survey of nonresident demand was conducted by the Alaska Travel Division of the Department of Economic Development. A second, more comprehensive nonresident survey may be conducted this summer.

KEY AREAS OF
INTEREST

The primary purpose of this project is to prepare by July 1969 a comprehensive and imaginative Statewide plan for Alaska, which builds

upon the State's previous plans. The plan should provide a program for the orderly development of Alaska's outdoor resources to meet the growing needs of residents and nonresidents for the next five years and beyond, while also protecting the State's outstanding natural resources.

We are particularly interested in the ideas which you or your associates may have on the following subjects:

- In addition to meeting the requirements spelled out in the Bureau of Outdoor Recreation Grants-In-Aid Manual, what other objectives should the plan have?
- What are Alaska's key short- and long-run outdoor recreation needs?
- What special problems does Alaska have in developing her outdoor recreation resources?
- What criteria should be used in evaluating alternative outdoor recreation projects and programs, e. g., resident vs. tourist needs, and so on?
- What is the appropriate form of organization for outdoor recreation planning, development and administration in Alaska?

We are very interested in your response to these difficult but important questions.

OUTDOOR RECREATION
COUNCIL MEETING

As you may know, Ted Smith will be calling a meeting of the Alaska Outdoor Recreation Council in May. He will be sending you an agenda shortly. At that meeting we will explain our approach to preparing the plan and will have the opportunity to meet with you and discuss these issues. We look forward to seeing you then. Meanwhile, if you have any preliminary comments or suggestions, please send them to Ted Smith's office, Branch of Parks and Recreation, 344 Sixth Avenue, Anchorage, Alaska 99501.

FORMS USED FOR COLLECTING THE INVENTORY OF
SUPPLY AND DETERMINING RECREATION-RELATED
RESPONSIBILITIES OF AGENCIES AND ORGANIZATIONS

This appendix contains the following four documents which were sent to all public, private and quasi-public organizations dealing in outdoor recreation, in order to determine the total supply of the State's recreational areas and the extent of recreational responsibilities of the organizations surveyed:

- Exhibit C-1 - A letter of introduction which accompanied the documents.
- Exhibit C-2 - A list of definitions of terms used on the recreational areas and facilities inventory form.
- Exhibit C-3 - The inventory forms on which data were collected to measure the supply of the State's recreation areas and facilities.
- Exhibit C-4 - The form used to collect information on the recreation-related responsibilities and activities of the organizations surveyed.

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF LANDS

KEITH H. MILLER, GOVERNOR

344 SIXTH AVENUE — ANCHORAGE 99501

As you may know the State of Alaska is now working to update Alaska's Outdoor Recreation Plan. We would appreciate your help in this effort.

The completed Plan can help the State take advantage of its unique opportunities to develop a system of recreation areas and facilities second to none. The Plan will also contain valuable information concerning Alaska's outdoor recreation needs and opportunities which may be of significant interest to you as you plan the development of your facilities.

In order to develop a sound plan we need accurate information about the existing supply. Would you please take the time to fill out this inventory form and return it by August 1 in the enclosed stamped, self-addressed envelope to the Branch of Parks and Recreation. Also enclosed with the form are definitions and a map to which you should refer as you fill in the requested information. Some of the blanks on your form may be filled in as a result of the information you have previously sent us. Please note any changes or corrections in red pencil.

The information we collect will remain confidential as to source but will be available to all citizens of the state in summary form. No names of individuals or businesses will be used.

We appreciate your cooperation in completing the form and encourage you to jot any ideas or comments you may have regarding the Plan's objectives, problem areas or any other pertinent subject

Page Two

June 12, 1968

on the reverse side of the form. If you have any questions about the project or the form, please do not hesitate to contact the Branch of Parks and Recreation. We will be happy to answer your questions.

With your assistance we can make Alaska a truly unique recreation resource.

Yours truly,

THEODORE G. SMITH
Chief, Parks and Recreation


BY: NAT GOODHUE
Assistant Recreation Planner

NG/dk

enclosures

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF LANDS / 344-6th AVENUE - ANCHORAGE 99501

June 14, 1968

As you may know the State of Alaska is now working with the consulting firm of Cresap, McCormick and Paget to update Alaska's Outdoor Recreation Plan. An updated plan is required if the State is to maintain its eligibility for continued participation in the Federal Land and Water Conservation Fund. We would greatly appreciate your help in updating two key elements of the plan, the inventory of recreation areas and facilities and the statement of activities and responsibilities in outdoor recreation planning and development.

The Inventory of Supply

Enclosed is a supply of inventory forms together with a map and set of definitions which we believe will be helpful in completing the forms. We would appreciate having one form filled out for each named area which is administered by your agency or group. On the form we ask for the location, size and facilities of the area. Some of the blanks on your form may be filled in as a result of the information you have already sent to us. Please note any changes or corrections in red pencil. We would appreciate it if you would return the completed forms by August 1st to us in the enclosed stamped, self addressed envelope.

Responsibilities and Activities in Outdoor Recreation

The second form which is enclosed is for a brief explanation of the responsibilities and activities of your group or agency in the field of outdoor recreation. We do not require a lengthy, detailed statement but would prefer a short statement of the work your people do regarding:

- responsibilities for outdoor recreation planning
- responsibilities for development and maintenance of outdoor recreation areas or facilities

Page Two

June 14, 1968

- key programs or projects related to outdoor recreation
- other activities by your agency related to outdoor recreation
- relationships with other agencies in these plans and programs

As with the inventory forms, we request that these forms be returned to our office by August 1st.

We appreciate your cooperation in completing these forms and encourage you to jot any ideas or comments you may have regarding the Plan's objectives, problem areas or any other pertinent subject on the reverse side of the inventory form. If you have any questions about the project or the form please do not hesitate to contact our offices in Anchorage. We will be happy to answer your questions.

With your assistance we can make Alaska a truly unique recreation resource.

Yours truly,

THEODORE G. SMITH
Chief, Parks & Recreation

Nat Goodhue

BY: NAT GOODHUE
Assistant Recreation Planner

NG/dk

enclosures

State of Alaska
Department of Natural Resources
Branch of Parks & Recreation
344 Sixth Avenue - Anchorage, Alaska 99501

DEFINITIONS OF TERMS USED ON THE INVENTORY FORM

(Numbers used below relate to the reference numbers on the Inventory Form)

1. One form should be filled out for each named outdoor recreation area and each named site. In the case of a large area which includes a number of developed sites or a park system which includes a number of parks, a form should be filled out for every named developed site or area in addition to a summary form which covers both the developed and undeveloped areas.
- 2b. Geographical coordinates in degrees and minutes are needed for developed sites only.
3. "Local" refers to borough and city governments.
"Quasi Public" refers to non-government, non-profit organizations, such as fair boards, dog mushers associations, service organizations, etc.
"Private" refers to commercial enterprises.
6. A park or recreation area may include acreage falling within one or more of the following BOR classes:

Class I - High Density Recreation Areas

Areas intensively developed and managed for mass use can include picnic grounds, swimming beaches, and play fields.

Class II - General Outdoor Recreation Areas

Areas within an attractive natural or man-made setting subject to substantial development for a wide variety of specific recreation uses. Relatively accessible to population centers. Developments include campgrounds, trails, ski tows, golf courses, etc.

Class III - Natural Environment Areas

Areas suitable for recreation in a natural environment and usually in combination with other uses such as watershed protection, grazing, lumbering, and mining, provided such activities are managed as to retain the attractiveness of the natural setting. Developments may include access roads, trails, and minimum sanitation facilities.

Class IV - Unique Natural Areas

Areas of outstanding scenic splendor, natural wonder, or scientific importance. Located where unique natural features are found. Facilities, other than trails and sanitary facilities, should not be in the immediate vicinity of the unique natural features.

Class V - Primitive Areas

Undisturbed roadless areas, characterized by natural wild conditions. Usually no development of public roads, permanent habitations, or recreation facilities except trails. Except to manage the area, no mechanized equipment is allowed.

Class VI - Historic and Cultural Sites

Sites of major historic or cultural significance. Development should not detract from the historic or cultural values of the site.

6. and 8. The term "programmed" refers to classification changes or projects which are scheduled and, funds permitting, will be completed within five years.
7. If a specific mode of travel is used, horses or dog team for example, it should be noted beside the appropriate type of access.
8. e. and y. "Developed Campgrounds" are served by roads, "Remote Campgrounds" by trails.
- f. "Group Campgrounds" refer to those developed for group use, such as Boy Scouts, which often can be measured by beds or sleeping spaces provided.
- h. Swimming Beaches: square feet for swimming pools.
- i. Bathhouse: "units" refer to number of spaces to change clothes.
- q. "Playgrounds" refer to neighborhood tot lots, etc.
- x. Because some trails provide for multiple use, such as cross-country skiing in winter and horseback riding in summer, the sum of x.(1) through x.(7) can exceed the "total" miles of trails.
- z. Do not fill out a separate form for those named areas which are not extensively developed. Summarize the underdeveloped areas on one form, the developed areas on separate forms, and then combine all areas on a summary form.
- Please fill out a separate form for each roadside rest area or scenic turnout which is extensively developed. The underdeveloped sites within each of the five regions (see map) can be summarized on a single form for each region.

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
BRANCH OF PARKS AND RECREATION
344 Sixth Avenue - Anchorage, Alaska 99501

INVENTORY AND CLASSIFICATION OF EXISTING
OUTDOOR RECREATION AREAS AND FACILITIES
(Please see attached sheet of definitions)

1. Name or Identification of Area					
2. a. Location of Largest Part of Area (See attached map)				2. b. Coordinates	
Region	Census District	Borough	City	Latitude ° ' "	Longitude ° ' "
3. Ownership: Federal _____ State _____ Local _____ Quasi Public _____ Private _____					
4. Name of Operator or Administering Agency					
					Leave Blank
(To Nearest Full Acre or Mile)					
5. a. Acreage within area which is land (other than wetlands)				Acres _____	
b. Acreage within area which is permanent wetlands (swamp, bog, marsh)				Acres _____	
c. Acreage within area which is water				Acres _____	
				Total Acreage _____	
d. Miles of stream				Miles _____	
6. Classification of area according to Bureau of Outdoor Recreation classification system (Total of 6a-6f should equal 5a-5c)					
Class (See Attached Definitions)		In Present Condition (Acres)		Changes or Additions Programmed for Next Five Years (Leave Blank if no Changes are Programmed) (Acres)	
Class I High-Density Recreation Areas		a.		h.	
Class II General Outdoor Recreation Areas		b.		i.	
Class III Natural Environment Areas		c.		j.	
Class IV Unique Natural Areas		d.		k.	
Class V Primitive Areas		e.		l.	
Class VI Historic and Cultural Sites		f.		m.	
Total		g.		n.	
7. Which of the Following Provides Access to the Area: (Check One or More)					
Road or Highway _____ Water _____ Air _____ Trail _____					

8. Recreation Facilities Facilities	Existing		Programmed For Next Five Years	
	Units	Size	Units	Size
a. Historic & Nature Sites and Visitor Centers	Number _____	Acres _____	Number _____	Acres _____
b. Hotels, Motels & Lodges	Bldgs. _____ Beds _____	Site Acreage _____	Bldgs. _____ Beds _____	Site Acreage _____
c. Cabins	Bldgs. _____ Beds _____	Site Acreage _____	Bldgs. _____ Beds _____	Site Acreage _____
d. Warm-Up Huts	Bldgs. _____ Simultaneous Capacity _____	Site Acreage _____	Bldgs. _____ Simultaneous Capacity _____	Site Acreage _____
e. Campgrounds-Developed Area	Sites _____ Total Units _____	Acres _____	Sites _____ Total Units _____	Acres _____
f. Campgrounds-Group Camping	Beds _____	Acres _____	Beds _____	Acres _____
g. Picnic Areas	Sites _____ Total Units _____	Acres _____	Sites _____ Total Units _____	Acres _____
h. Swimming Beaches (and Pools)	Number _____	Sq. Ft. _____ Frontage Ft. _____	Number _____	Sq. Ft. _____ Frontage Ft. _____
i. Bathhouses	Units _____		Units _____	
j. Rifle & Archery Ranges: Skeet and Trap Fields	Sites _____	Acres _____	Sites _____	Acres _____
k. Golf Courses	Holes _____	Acres _____	Holes _____	Acres _____
l. Tennis Courts	Number _____	Acres _____	Number _____	Acres _____
m. Baseball & Softball Diamonds	Number _____	Acres _____	Number _____	Acres _____
n. Football Fields	Number _____	Acres _____	Number _____	Acres _____
o. Soccer Fields	Number _____	Acres _____	Number _____	Acres _____
p. Track & Field Areas	Number _____	Acres _____	Number _____	Acres _____
q. Playgrounds	Number _____	Acres _____	Number _____	Acres _____
r. Other Outdoor Game Areas	Number _____	Acres _____	Number _____	Acres _____
s. Outdoor Cultural & Sports Viewing Areas	Number of Seats _____	Acres _____	Number of Seats _____	Acres _____

ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF LANDS
PARKS AND RECREATION SECTION

EXHIBIT C-4
Page 1 of 2

344 SIXTH AVENUE
ANCHORAGE, ALASKA 99501

OUTDOOR RECREATION RELATED RESPONSIBILITIES AND ACTIVITIES

1. Name of Agency or Group:
2. Address:
3. Type of Agency: (Please check one) Federal___ State___ Borough___ City___ Quasi Public___ Private___
4. Purpose of the Agency: ___ Outdoor recreation is a primary purpose of the agency ___ Outdoor recreation is a secondary purpose of the agency
5. Statement of outdoor recreation related responsibilities and activities: (Please cover the agency's responsibilities for planning, development and maintenance of areas and facilities, key programs or projects related to outdoor recreation, other activities by the agency related to outdoor recreation, and relationships with other agencies in recreation planning and programming.)

(Over)

5. (continued) Statement of outdoor recreation related responsibilities and activities:

6. Are there any future programs or projects which your group or agency would be interested in pursuing: yes___ no___

If yes, please explain:

Date

Signature and Title

PROGRAMMED INVENTORIES

The following Exhibit presents the programmed inventories which were collected in conjunction with the inventory of recreation-related areas and facilities located in Alaska. These programmed inventories represent the additional areas and facilities which the public, quasi-public and private sectors have scheduled and, funds permitting, will complete within five years.

STATEWIDE
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration			Quasi-Public	Private	Total	Facilities	Level of Administration			Quasi-Public	Private	Total	
	Federal	State	Local					Federal	State	Local				
Historic and Nature Sites and Visitor Centers							Other Outdoor Camp Areas							
Number	--	--	--	5	20	25	Number	--	--	4	9	--	13	
Acres	--	--	--	20	*	20*	Acres	--	--	8	*	--	8*	
Lodges and Camps (a)							Outdoor Cultural and Sports Viewing Areas							
Buildings	--	--	--	5	44	49	Number of Seats	--	--	--	2	--	2	
Beds	--	--	--	150	387	537	Acres	--	--	--	*	--	*	
Site Acreage	--	--	--	5	48*	53*	Hockey, Figure and Speed-Skating Rinks							
Cabins (open to the public)							Number	--	1	6	1	2	10	
Buildings	9	--	--	25	69	103	Acres	--	1	32	*	3	36*	
Beds	56	--	--	120	183*	359*	Toboggan Sled and Luge Hills							
Site Acreage	11	--	--	*	50*	61*	Number	--	--	2	3	1	6	
Warm-Up Huts							Acres	--	--	3	10*	400	413*	
Buildings	6	--	4	--	2	12	Vert. Descent (ft.)	--	--	150*	30	--	180*	
Simultaneous Capacity (b)	24	--	50	--	90	164	Ski Jumps							
Site Acreage	6	--	1*	--	5*	12*	Number	--	--	--	2	--	2	
Campgrounds - Developed Area							Acres	--	--	--	26	--	26	
Number of Campgrounds	36	3	8	14	21	82	Length	--	--	--	20*	--	20*	
Campsites	649	756	75*	70*	292*	1842*	Downhill Ski Slopes							
Acres	340*	122	11*	4*	51*	558*	Number	--	--	2	2	2	6	
Campgrounds - Group Camping							Acres	--	--	7	10	*	17*	
Beds	--	--	10*	200	210	420*	Slope Length (ft.)	--	--	300*	30	*	330*	
Acres	--	--	20*	*	2*	22*	Vert. Descent (ft.)	--	--	*	*	*	*	
Picnic Areas							Mechanical Ski Lifts							
Number of Picnic Areas	44	3	18	5	47	117	Number	--	--	1	1	2	4	
Total Picnic Units	63	1216	193	10	268*	1780*	Capacity per Hour	--	--	300	600	2000	2900	
Acres	53	122	42*	1*	29*	247*	Length (ft.)	--	--	60	500	2600	3160	
Swimming Beaches (and pools)							Vert. Rise (ft.)	--	--	*	150	800	950*	
Number	--	--	--	4	1*	5*	Trails							
Square Feet	--	--	--	100*	800*	900*	Cross Country Skiing	Miles	410	30	1	6	--	447
Frontage Feet	--	--	--	*	*	*	Hiking	Miles	144	10	16	7	34	211
Bathhouses							Horseback Riding	Miles	80	10	--	--	25	115
Units	1	--	2	8	15	26	Canoeing	Miles	260	--	2	10	272	
Rifle and Archery Ranges, Skeet and Trap Fields							Snow Mobiling	Miles	410	75	11	6	10	512
Number of Ranges and Fields	1	--	1	3	6	11	Bicycle Paths	Miles	--	--	--	--	1	
Acres	2	--	*	40*	57	99*	Other	Miles	--	--	--	--	--	
Golf Courses							Total	Miles	484	144	*	11	43	678*
Holes	--	--	9	--	--	9	Campgrounds - Remote Wilderness							
Acres	--	--	40	--	--	40	Number of Campgrounds	29	--	--	--	2	31	
Tennis Courts							Campsites	670	--	--	--	40	710	
Number	--	--	21	2	--	28	Acres	58	--	--	--	3	61	
Acres	--	--	12*	*	--	12*	Scenic Turnouts and Roadside Rest Areas							
Baseball and Softball Diamonds							Number	1	--	--	--	1	2	
Number	1	--	13	10	3	27	Parking Spaces	4	--	--	--	25	29	
Acres	1	--	14*	*	9	24*	Boat Launching Ramps							
Football Fields							Launching Spaces	2	7	5	1	--	15	
Number	--	--	--	1	--	1	Site Acreage	2	*	13	*	--	15	
Acres	--	--	--	*	--	*	Marina Slips							
Soccer Fields							Number	--	--	60*	10	76	146	
Fields	--	--	--	*	--	*	Moorings							
Track and Field Areas							Number	--	--	20	7	170	197	
Number	--	--	--	1	--	1	Airstrips							
Acres	--	--	--	*	--	*	Number	--	--	1	1	8	10	
Playgrounds							Runway Length (ft.)	--	--	*	*	*	*	
Number	--	--	10	1	4	15								
Acres	--	--	6*	*	5	11*								

NA - Not Available

* Because inventory forms were not always filled out in detail these numbers represent not a complete tally, but rather a tally of those figures provided. While in most cases the omissions will have little effect, care should be exercised in developing ratios e.g. acres per visitor center, picnic units per acre, etc. from these numbers.

(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

SOUTHEASTERN
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration						Facilities	Level of Administration						
	Federal	State	Local	Quasi-Public	Private	Total		Federal	State	Local	Quasi-Public	Private	Total	
Historic and Nature Sites and Visitor Centers							Other Outdoor Game Areas							
Number	--	--	--	4	--	4	Number	--	--	3	--	--	3	
Acres	--	--	--	10	--	10	Acres	--	--	8	--	--	8	
Lodges and Camps (a)							Outdoor Cultural and Sports Viewing Areas							
Buildings	--	--	--	5	2	7	Number of Seats	--	--	--	1	--	1	
Beds	--	--	--	150	8	158	Acres	--	--	--	1	--	1	
Site Acreage	--	--	--	5	*	5*	Hockey, Figure and Speed-Skating Rinks							
Cabins (open to the public)							Number	--	--	1	--	--	1	
Buildings	--	--	--	--	--	--	Acres	--	--	1	--	--	1	
Beds	--	--	--	--	--	--	Toboggan Sled and Luge Hills							
Site Acreage	--	--	--	--	--	--	Number	--	--	2	2	--	4	
Warm-Up Huts							Acres	--	--	3	10	--	13	
Buildings	--	--	--	--	--	--	Vert. Desent (ft.)	--	--	150*	30	--	180*	
Simultaneous Capacity (b)	--	--	--	--	--	--	Ski Jumps							
Site Acreage	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Campgrounds - Developed Area							Acres	--	--	--	--	--	--	
Number of Campgrounds	--	--	--	3	--	3	Length	--	--	--	--	--	--	
Campsites	--	--	--	30	--	30	Downhill Ski Slopes							
Acres	--	--	--	4	--	4	Number	--	--	--	2	--	2	
Campgrounds - Group Camping							Acres	--	--	--	10	--	10	
Beds	--	--	*	--	--	*	Slope Length (ft.)	--	--	--	30	--	30	
Acres	--	--	20	--	--	20	Vert. Desent (ft.)	--	--	--	*	--	--	
Picnic Areas							Mechanical Ski Lifts							
Number of Picnic Areas	--	--	5	2	--	7	Number	--	--	--	--	--	--	
Total Picnic Units	--	--	90	5	--	95	Capacity per Hour	--	--	--	--	--	--	
Acres	--	--	30	*	--	30*	Length (ft.)	--	--	--	--	--	--	
Swimming Beaches (and pools)							Vert. Rise (ft.)	--	--	--	--	--	--	
Number	--	--	--	--	--	--	Trails							
Square Feet	--	--	--	--	--	--	Cross Country Skiing	Miles	--	--	--	--	--	--
Frontage Feet	--	--	--	--	--	--	Hiking	Miles	--	--	15	--	25	40
Bathouses							Horseback Riding	Miles	--	--	--	--	--	--
Units	--	--	--	2	--	2	Canoeing	Miles	--	--	--	--	--	--
Rifle and Archery Ranges, Skeet and Trap Fields							Snow Mobiling	Miles	--	--	10	5	--	15
Number of Ranges and Fields	--	--	1	2	--	3	Bicycle Paths	Miles	--	--	--	--	--	--
Acreage	--	--	*	40	--	40*	Other	Miles	--	--	--	--	--	--
Golf Courses							Total	Miles	--	--	*	5	25	30
Holes	--	--	--	--	--	--	Campgrounds - Remote Wilderness							
Acres	--	--	--	--	--	--	Number of Campgrounds	--	--	--	--	--	--	--
Tennis Courts							Campsites	--	--	--	--	--	--	--
Number	--	--	6	1	--	7	Acres	--	--	--	--	--	--	--
Acres	--	--	2*	*	--	2*	Scenic Turnouts and Roadside Rest Areas							
Baseball and Softball Diamonds							Number	--	--	--	--	--	--	--
Number	--	--	2	6	--	8	Parking Spaces	--	--	--	--	--	--	--
Acres	--	--	4*	*	--	4*	Boat Launching Ramps							
Football Fields							Launching Spaces	--	--	2	--	--	2	
Number	--	--	--	--	--	--	Site Acreage	--	--	5	--	--	5	
Acres	--	--	--	--	--	--	Marina Slips							
Soccer Fields							Number	--	--	60	--	--	60	
Number	--	--	--	--	--	--	Moorings							
Fields	--	--	--	--	--	--	Number	--	--	20	2	--	22	
Track and Field Areas							Airstrips							
Number	--	--	--	--	--	--	Number	--	--	--	--	--	--	--
Acres	--	--	--	--	--	--	Runway Length (ft.)	--	--	--	--	--	--	--
Playgrounds														
Number	--	--	3	--	--	3								
Acres	--	--	4	--	--	4								

NA - Not Available

* Because inventory forms were not always filled out in detail these numbers represent not a complete tally, but rather a tally of those figures provided. While in most cases the omissions will have little effect, care should be exercised in developing ratios e.g. acres per visitor center, picnic units per acre, etc. from these numbers.

(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

SOUTHCENTRAL
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration			Quasi-Public	Private	Total	Facilities	Level of Administration			Quasi-Public	Private	Total	
	Federal	State	Local					Federal	State	Local				
Historic and Nature Sites and Visitor Centers							Other Outdoor Game Areas							
Number	--	--	--	1	20	21	Number	--	--	1	9	--	10	
Acres	--	--	--	10	*	10*	Acres	--	--	*	*	--	*	
Lodges and Camps (a)							Outdoor Cultural and Sports Viewing Areas							
Buildings	--	--	--	--	30	30	Number of Seats	--	--	--	2	--	2	
Beds	--	--	--	--	257	257	Acres	--	--	--	*	--	*	
Site Acreage	--	--	--	--	31*	31*	Hockey, Figure and Speed-Skating Rinks							
Cabins (open to the public)							Number	--	--	5	1	2	8	
Buildings	7	--	--	25	38	70	Acres	--	--	31	*	3	34*	
Beds	48	--	--	120	85*	253*	Toboggan Sled and Luge Hills							
Site Acreage	9	--	--	*	27*	36*	Number	--	--	--	1	1	2	
Warm-Up Huts							Acres	--	--	--	*	400	400*	
Buildings	6	--	4	--	1	11	Vert. Descent (ft.)	--	--	--	--	--	--	
Simultaneous Capacity (b)	24	--	50	--	40	114	Ski Jumps							
Site Acreage	6	--	1*	--	*	7*	Number	--	--	--	2	--	2	
Campgrounds - Developed Area							Acres	--	--	--	26	--	26	
Number of Campgrounds	32	3	8	11	12	66	Length	--	--	--	20*	--	20*	
Campsites	495	756	75*	40*	217*	1583*	Downhill Ski Slopes							
Acres	300*	152	11*	*	38*	501*	Number	--	--	2	--	2	4	
Campgrounds - Group Camping							Acres	--	--	--	7	--	7	
Beds	--	--	10	200	210	420	Slope Length (ft.)	--	--	300*	--	*	300*	
Acres	--	--	*	*	2*	2*	Vert. Descent (ft.)	--	--	--	--	*	*	
Picnic Areas							Mechanical Ski Lifts							
Number of Picnic Areas	44	3	13	3	45	108	Number	--	--	1	1	2	4	
Total Picnic Units	63	1216	103	5	243*	1630*	Capacity per Hour	--	--	300	600	2000	2300	
Acres	53	122	12*	1*	18*	206*	Length (ft.)	--	--	60	500	2600	3160	
Swimming Beaches (and pools)							Vert. Rise (ft.)	--	--	*	150	800	950	
Number	--	--	--	4	*	4*	Trails							
Square Feet	--	--	--	100*	200	300*	Cross Country Skiing	Miles	410	--	1	6	--	417
Frontage Feet	--	--	--	*	*	*	Hiking	Miles	140	--	1	7	5	153
Bathhouses							Horseback Riding	Miles	80	--	--	--	25	105
Units	1	--	2	6	10	19	Canoeing	Miles	260	--	--	2	--	262
Rifle and Archery Ranges, Skeet and Trap Fields							Snow Mobiling	Miles	410	--	1	1	10	422
Number of Ranges and Fields	1	--	--	1	4	6	Bicycle Paths	Miles	--	--	--	1	--	1
Acres	2	--	--	*	52	54*	Other	Miles	--	--	--	--	--	--
Golf Courses							Total	Miles	480	19	*	6	*	505
Holes	--	--	9	--	--	9	Campgrounds - Remote Wilderness							
Acres	--	--	40	--	--	40	Number of Campgrounds	29	--	--	--	2	31	
Tennis Courts							Campsites	670	--	--	--	40	710	
Number	--	--	15	1	--	16	Acres	58	--	--	--	3	61	
Acres	--	--	10*	*	--	10*	Scenic Turnouts and Roadside Rest Areas							
Baseball and Softball Diamonds							Number	1	--	--	--	--	1	
Number	1	--	11	4	1	17	Parking Spaces	4	--	--	--	--	4	
Acres	--	--	10*	--	2	13*	Boat Launching Ramps							
Football Fields							Launching Spaces	--	7	3	1	--	11	
Number	--	--	--	1	--	1	Site Acreage	--	*	8	*	--	8*	
Acres	--	--	--	*	--	*	Marina Slips							
Soccer Fields							Number	--	--	--	10	75	85	
Number	--	--	--	1	--	1	Moorings							
Fields	--	--	--	*	--	*	Number	--	--	--	5	160	165	
Track and Field Areas							Airstrips							
Number	--	--	--	1	--	1	Number	--	--	--	1	7	8	
Acres	--	--	--	*	--	*	Runway Length (ft.)	--	--	--	--	*	*	
Playgrounds														
Number	--	--	7	1	2	10								
Acres	--	--	2*	*	3	5*								

NA - Not Available

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(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

SOUTHWESTERN
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration			Quasi-Public	Private	Total
	Federal	State	Local			
Historic and Nature Sites and Visitor Centers						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Lodges and Camps (a)						
Buildings	--	--	--	--	5	5
Beds	--	--	--	--	31	31
Site Acreage	--	--	--	--	10*	10*
Cabins (open to the public)						
Buildings	2	--	--	--	16	18
Beds	8	--	--	--	52	60
Site Acreage	2	--	--	--	15	17
Warm-Up Huts						
Buildings	--	--	--	--	--	--
Simultaneous Capacity (b)	--	--	--	--	--	--
Site Acreage	--	--	--	--	--	--
Campgrounds - Developed Area						
Number of Campgrounds	--	--	--	--	--	--
Campsites	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Campgrounds - Group Camping						
Beds	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Picnic Areas						
Number of Picnic Areas	--	--	--	--	--	--
Total Picnic Units	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Swimming Beaches (and pools)						
Number	--	--	--	--	--	--
Square Feet	--	--	--	--	--	--
Frontage Feet	--	--	--	--	--	--
Bathouses						
Units	--	--	--	--	--	--
Rifle and Archery Ranges, Skeet and Trap Fields						
Number of Ranges and Fields	--	--	--	--	--	--
Acreage	--	--	--	--	--	--
Golf Courses						
Holes	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Tennis Courts						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Baseball and Softball Diamonds						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Football Fields						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Soccer Fields						
Number	--	--	--	--	--	--
Fields	--	--	--	--	--	--
Track and Field Areas						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--
Playgrounds						
Number	--	--	--	--	--	--
Acres	--	--	--	--	--	--

Facilities		Level of Administration			Quasi-Public	Private	Total
		Federal	State	Local			
Other Outdoor Game Areas							
Number		--	--	--	--	--	
Acres		--	--	--	--	--	
Outdoor Cultural and Sports Viewing Areas							
Number of Seats		--	--	--	--	--	
Acres		--	--	--	--	--	
Hockey, Figure and Speed-Skating Rinks							
Number		--	--	--	--	--	
Acres		--	--	--	--	--	
Toboggan Sled and Luge Hills							
Number		--	--	--	--	--	
Acres		--	--	--	--	--	
Vert. Descent (ft.)		--	--	--	--	--	
Ski Jumps							
Number		--	--	--	--	--	
Acres		--	--	--	--	--	
Length		--	--	--	--	--	
Downhill Ski Slopes							
Number		--	--	--	--	--	
Acres		--	--	--	--	--	
Slope Length (ft.)		--	--	--	--	--	
Vert. Descent (ft.)		--	--	--	--	--	
Mechanical Ski Lifts							
Number		--	--	--	--	--	
Capacity per Hour		--	--	--	--	--	
Length (ft.)		--	--	--	--	--	
Vert. Rise (ft.)		--	--	--	--	--	
Trails							
Cross Country Skiing	Miles	--	--	--	--	--	
Hiking	Miles	--	--	--	--	--	
Horseback Riding	Miles	--	--	--	--	--	
Canoeing	Miles	--	--	--	--	--	
Snow Mobiling	Miles	--	--	--	--	--	
Bicycle Paths	Miles	--	--	--	--	--	
Other	Miles	--	--	--	--	--	
Total	Miles	--	--	--	--	--	
Campgrounds - Remote Wilderness							
Number of Campgrounds		--	--	--	--	--	
Campsites		--	--	--	--	--	
Acres		--	--	--	--	--	
Scenic Turnouts and Roadside Rest Areas							
Number		--	--	--	--	--	
Parking Spaces		--	--	--	--	--	
Boat Launching Ramps							
Launching Spaces		--	--	--	--	--	
Site Acreage		--	--	--	--	--	
Marina Slips							
Number		--	--	--	--	--	
Moorings							
Number		--	--	--	1	1	
Airstrips							
Number		--	--	--	10	10	
Runway Length (ft.)		--	--	--	1	1	

NA - Not Available

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(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

INTERIOR
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration						Facilities		Level of Administration					
	Federal	State	Local	Quasi-Public	Private	Total			Federal	State	Local	Quasi-Public	Private	Total
Historic and Nature Sites and Visitor Centers							Other Outdoor Game Areas							
Number	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Acres	--	--	--	--	--	--	
Lodges and Camps (a)							Outdoor Cultural and Sports							
Buildings	--	--	--	--	7	7	Viewing Areas							
Beds	--	--	--	--	91	91	Number of Seats	--	--	--	--	--	--	
Site Acreage	--	--	--	--	7 ^a	7 ^a	Acres	--	--	--	--	--	--	
Cabins (open to the public)							Hockey, Figure and Speed-Skating Rinks							
Buildings	--	--	--	--	14	14	Number	--	1	--	--	--	1	
Beds	--	--	--	--	44 ^a	44 ^a	Acres	--	1	--	--	--	1	
Site Acreage	--	--	--	--	3 ^a	3 ^a	Toboggan Sled and Luge Hills							
Warm-Up Huts							Number	--	--	--	--	--	--	
Buildings	--	--	--	--	1	1	Acres	--	--	--	--	--	--	
Simultaneous Capacity (b)	--	--	--	--	50	50	Vert. Descent (ft.)	--	--	--	--	--	--	
Site Acreage	--	--	--	--	5	5	Ski Jumps							
Campgrounds - Developed Area							Number	--	--	--	--	--	--	
Number of Campgrounds	4	--	--	--	9	13	Acres	--	--	--	--	--	--	
Campsites	154	--	--	--	75	229	Length	--	--	--	--	--	--	
Acres	40	--	--	--	13 ^a	53 ^a	Downhill Ski Slopes							
Campgrounds - Group Camping							Number	--	--	--	--	--	--	
Beds	--	--	--	--	--	--	Acres	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Slope Length (ft.)	--	--	--	--	--	--	
Picnic Areas							Vert. Descent (ft.)	--	--	--	--	--	--	
Number of Picnic Areas	--	--	--	--	2	2	Mechanical Ski Lifts							
Total Picnic Units	--	--	--	--	25	25	Number	--	--	--	--	--	--	
Acres	--	--	--	--	11	11	Capacity per Hour	--	--	--	--	--	--	
Swimming Beaches (and pools)							Length (ft.)	--	--	--	--	--	--	
Number	--	--	--	--	1	1	Vert. Rise (ft.)	--	--	--	--	--	--	
Square Feet	--	--	--	--	600	600	Trails							
Frontage Feet	--	--	--	--	*	*	Cross Country Skiing	Miles	--	30	--	--	--	30
Bathouses							Hiking	Miles	4	10	--	--	4	18
Units	--	--	--	--	5	5	Horseback Riding	Miles	--	10	--	--	--	10
Rifle and Archery Ranges, Skeet and Trap Fields							Canoeing	Miles	--	--	--	--	--	--
Number of Ranges and Fields	--	--	--	--	2	2	Snow Mobiling	Miles	--	75	--	--	--	75
Acreage	--	--	--	--	5	5	Bicycle Paths	Miles	--	--	--	--	--	--
Golf Courses							Other	Miles	--	--	--	--	--	--
Holes	--	--	--	--	--	--	Total	Miles	4	125	--	--	4	133
Acres	--	--	--	--	--	--	Campgrounds - Remote Wilderness							
Tennis Courts							Number of Campgrounds	--	--	--	--	--	--	
Number	--	--	--	--	--	--	Campsites	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Acres	--	--	--	--	--	--	
Baseball and Softball Diamonds							Scenic Turnouts and Roadside Rest Areas							
Number	--	--	--	--	2	2	Number	--	--	--	--	1	1	
Acres	--	--	--	--	7	7	Parking Spaces	--	--	--	--	25	25	
Football Fields							Boat Launching Ramps							
Number	--	--	--	--	--	--	Launching Spaces	2	--	--	--	--	2	
Acres	--	--	--	--	--	--	Site Acreage	2	--	--	--	--	2	
Soccer Fields							Marina Slips							
Number	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Fields	--	--	--	--	--	--	Moorings							
Track and Field Areas							Number	--	--	--	--	--	--	
Number	--	--	--	--	--	--	Airstrips							
Acres	--	--	--	--	--	--	Number	--	--	1	--	--	1	
Playgrounds							Runway Length (ft.)	--	--	*	--	--	*	
Number	--	--	--	--	2	2								
Acres	--	--	--	--	2	2								

NA - Not Available

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(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

NORTHWESTERN
PROGRAMMED INVENTORY OF OUTDOOR
RECREATION RELATED FACILITIES AND AREAS

Facilities	Level of Administration						Facilities	Level of Administration						
	Federal	State	Local	Quasi-Public	Private	Total		Federal	State	Local	Quasi-Public	Private	Total	
Historic and Nature Sites and Visitor Centers							Other Outdoor Game Areas							
Number	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Acres	--	--	--	--	--	--	
Lodges and Camps (a)							Outdoor Cultural and Sports Viewing Areas							
Buildings	--	--	--	--	--	--	Number of Seats	--	--	--	--	--	--	
Beds	--	--	--	--	--	--	Acres	--	--	--	--	--	--	
Site Acreage	--	--	--	--	--	--	Hockey, Figure and Speed-Skating Rinks							
Cabins (open to the public)							Number	--	--	--	--	--	--	
Buildings	--	--	--	--	1	1	Acres	--	--	--	--	--	--	
Beds	--	--	--	--	2	2	Toboggan Sled and Luge Hills							
Site Acreage	--	--	--	--	5	5	Number	--	--	--	--	--	--	
Warm-Up Huts							Acres	--	--	--	--	--	--	
Buildings	--	--	--	--	--	--	Vert. Descent (ft.)	--	--	--	--	--	--	
Simultaneous Capacity (b)	--	--	--	--	--	--	Ski Jumps							
Site Acreage	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Campgrounds - Developed Area							Acres	--	--	--	--	--	--	
Number of Campgrounds	--	--	--	--	--	--	Length	--	--	--	--	--	--	
Campsites	--	--	--	--	--	--	Downhill Ski Slopes							
Acres	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Campgrounds - Group Camping							Acres	--	--	--	--	--	--	
Beds	--	--	--	--	--	--	Slope Length (ft.)	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Vert. Descent (ft.)	--	--	--	--	--	--	
Picnic Areas							Mechanical Ski Lifts							
Number of Picnic Areas	--	--	--	--	--	--	Number	--	--	--	--	--	--	
Total Picnic Units	--	--	--	--	--	--	Capacity per Hour	--	--	--	--	--	--	
Acres	--	--	--	--	--	--	Length (ft.)	--	--	--	--	--	--	
Swimming Beaches (and pools)							Vert. Rise (ft.)	--	--	--	--	--	--	
Number	--	--	--	--	--	--	Trails							
Square Feet	--	--	--	--	--	--	Cross Country Skiing	Miles	--	--	--	--	--	--
Frontage Feet	--	--	--	--	--	--	Hiking	Miles	--	--	--	--	--	--
Bathhouses							Horseback Riding	Miles	--	--	--	--	--	--
Units	--	--	--	--	--	--	Canoeing	Miles	--	--	--	10	10	--
Rifle and Archery Ranges, Skeet and Trap Fields							Snow Mobiling	Miles	--	--	--	--	--	--
Number of Ranges and Fields	--	--	--	--	--	--	Bicycle Paths	Miles	--	--	--	--	--	--
Acreage	--	--	--	--	--	--	Other	Miles	--	--	--	--	--	--
Golf Courses							Total	Miles	--	--	--	--	10	10
Holes	--	--	--	--	--	--	Campgrounds - Remote Wilderness							
Acres	--	--	--	--	--	--	Number of Campgrounds	--	--	--	--	--	--	--
Tennis Courts							Campsites	--	--	--	--	--	--	--
Number	--	--	--	--	--	--	Acres	--	--	--	--	--	--	--
Acres	--	--	--	--	--	--	Scenic Turnouts and Roadside Rest Areas							
Baseball and Softball Diamond							Number	--	--	--	--	--	--	--
Number	--	--	--	--	--	--	Parking Spaces	--	--	--	--	--	--	--
Acres	--	--	--	--	--	--	Boat Launching Ramps							
Football Fields							Launching Spaces	--	--	--	--	--	--	--
Number	--	--	--	--	--	--	Site Acreage	--	--	--	--	--	--	--
Acres	--	--	--	--	--	--	Marina Slips							
Soccer Fields							Number	--	--	--	--	--	--	--
Number	--	--	--	--	--	--	Moorings							
Fields	--	--	--	--	--	--	Number	--	--	--	--	--	--	--
Track and Field Areas							Airstrips							
Number	--	--	--	--	--	--	Number	--	--	--	--	--	--	--
Acres	--	--	--	--	--	--	Runway Length (ft.)	--	--	--	--	--	--	--
Playgrounds														
Number	--	--	--	--	--	--								
Acres	--	--	--	--	--	--								

NA - Not Available

* Because inventory forms were not always filled out in detail these numbers represent not a complete tally, but rather a tally of those figures provided. While in most cases the omissions will have little effect, care should be exercised in developing ratios e.g. acres per visitor center, picnic units per acre, etc. from these numbers.

(a) Includes only lodges and camps which are closely connected with outdoor recreation such as fishing camp or hunting lodge; does not include major hotels and motels such as those found in downtown Anchorage.

(b) Simultaneous capacity is defined as the number of people which the facility can normally be expected to accommodate at one time.

PROGRAMMED INVENTORY

STATEWIDE
ACREAGES AND CLASSIFICATION OF
AREAS WITH MANAGEMENT OBJECTIVES
THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration					Total Acres
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres	
<u>CLASS I</u> High Density Recreation Areas	-	-	7,426	15	94	7,535
<u>CLASS II</u> General Outdoor Recreation Areas	71,345	1,462	82	95	53	73,037
<u>CLASS III</u> Natural Environment Areas	765,607	300	65	1	-	765,973
<u>CLASS IV</u> Unique Natural Areas	216,386	-	21	-	-	216,407
<u>CLASS V</u> Primitive Areas	817,000	-	-	3	20	817,023
<u>CLASS VI</u> Historic And Cultural Sites	14	-	-	-	-	14

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the Bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

PROGRAMMED INVENTORY

SOUTHEASTERN REGION
 ACREAGES AND CLASSIFICATION OF
 AREAS WITH MANAGEMENT OBJECTIVES
 THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration					Total Acres
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres	
<u>CLASS I</u>						
High Density Recreation Areas	-	-	30	-	-	30
<u>CLASS II</u>						
General Outdoor Recreation Areas	-	-	-	-	-	-
<u>CLASS III</u>						
Natural Environment Areas	-	-	-	-	-	-
<u>CLASS IV</u>						
Unique Natural Areas	21,686	-	-	-	-	21,686
<u>CLASS V</u>						
Primitive Areas	-	-	-	3	-	3
<u>CLASS VI</u>						
Historic And Cultural Sites	4	-	-	-	-	4

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the Bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

PROGRAMMED INVENTORY

SOUTHCENTRAL REGION
 ACREAGES AND CLASSIFICATION OF
 AREAS WITH MANAGEMENT OBJECTIVES
THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration					
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres	Total Acres
<u>CLASS I</u>						
High Density Recreation Areas	-	-	7,396	5	79	7,480
<u>CLASS II</u>						
General Outdoor Recreation Areas	71,345	-	82	5	47	71,479
<u>CLASS III</u>						
Natural Environment Areas	765,607	-	65	1	-	765,673
<u>CLASS IV</u>						
Unique Natural Areas	194,700	-	-	-	-	194,700
<u>CLASS V</u>						
Primitive Areas	817,000	-	-	-	-	817,000
<u>CLASS VI</u>						
Historic And Cultural Sites	10	-	-	-	-	10

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the Bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

PROGRAMMED INVENTORY

SOUTHWESTERN REGION
 ACREAGES AND CLASSIFICATION OF
 AREAS WITH MANAGEMENT OBJECTIVES
THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration					
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres	Total Acres
<u>CLASS I</u>						
High Density Recreation Areas	-	-	-	10	-	10
<u>CLASS II</u>						
General Outdoor Recreation Areas	-	-	-	90	-	90
<u>CLASS III</u>						
Natural Environment Areas	-	-	-	-	-	-
<u>CLASS IV</u>						
Unique Natural Areas	-	-	-	-	-	-
<u>CLASS V</u>						
Primitive Areas	-	-	-	-	20	20
<u>CLASS VI</u>						
Historic And Cultural Sites	-	-	-	-	-	-

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

PROGRAMMED INVENTORY

INTERIOR REGION
 ACREAGES AND CLASSIFICATION OF
 AREAS WITH MANAGEMENT OBJECTIVES
 THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration					Total Acres
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres	
<u>CLASS I</u> High Density Recreation Areas	-	-	-	-	15	15
<u>CLASS II</u> General Outdoor Recreation Areas	-	1,462	-	-	6	1,468
<u>CLASS III</u> Natural Environment Areas	-	300	-	-	-	300
<u>CLASS IV</u> Unique Natural Areas	-	-	21	-	-	21
<u>CLASS V</u> Primitive Areas	-	-	-	-	-	-
<u>CLASS VI</u> Historic And Cultural Sites	-	-	-	-	-	-

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the Bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

PROGRAMMED INVENTORY

NORTHWESTERN REGION
 ACREAGES AND CLASSIFICATION OF
 AREAS WITH MANAGEMENT OBJECTIVES
THAT INCLUDE RECREATION (a)

Bureau Of Outdoor Recreation Classification	Level Of Administration						Total Acres
	Federal Acres	State Acres	Local Acres	Quasi- Public Acres	Private Acres		
<u>CLASS I</u> High Density Recreation Areas	-	-	-	-	-	-	
<u>CLASS II</u> General Outdoor Recreation Areas	-	-	-	-	-	-	
<u>CLASS III</u> Natural Environment Areas	-	-	-	-	-	-	
<u>CLASS IV</u> Unique Natural Areas	-	-	-	-	-	-	
<u>CLASS V</u> Primitive Areas	-	-	-	-	-	-	
<u>CLASS VI</u> Historic And Cultural Sites	-	-	-	-	-	-	

(a) Comparable statistics broken down by basic classification, i. e., land, wetland, and fresh water, were not available from the inventories collected for this plan.

Note: Public domain under the Bureau of Land Management is excluded from this tabulation, because it may be subject to appropriation for purposes other than recreation after the land freeze ends. Multiple-use classifications under the Bureau of Land Management are also excluded, pending whatever final implementation of classification authority may be recommended by the Public Land Law Review Commission.

DEFINITIONS OF OUTDOOR RECREATION ACTIVITIES

Definitions of outdoor recreation activities used in this report are essentially the same as those developed by the Bureau of Outdoor Recreation (BOR) and the Outdoor Recreation Resources Review Commission (ORRRC) for their outdoor recreation surveys, with the exception of cases where no BOR or ORRRC definition was available, and an analogy between activities had to be drawn (for example, motorcycling and driving for pleasure). The definitions are presented below.

Walking for Pleasure

Any walk where the primary purpose is pleasure, which has not been included under hiking or nature walks, and which lasted 30 minutes or more.

Nature Study

Walks for the specific purpose of observing plants, birds, or animals and often including the collection of specimens (butterflies, rocks, seashells, etc.)

Bicycling

Any bicycle riding done only for pleasure, but not including riding to work or school.

Hiking

Walking of a substantial nature in which a pack containing provisions and/or shelter is carried by at least one member of the party.

Snowmobiling

The driving or riding of a snowmobile, when the purpose is primarily for pleasure.

Motorcycling

The driving or riding of any two wheeled motorized vehicle for pleasure purposes.

Snow Shoeing

Traveling across snow on snow shoes for the purpose of recreation only and not part of one's job, as, for example, a trapper.

Canoeing

The recreational use of a canoe or narrow light boat moved with paddles not oars.

Horseback riding

Any riding on a horse which is done for recreation only and not a part on one's job as, for example, a mounted policeman.

Dog Sledding

The driving or riding of a sled pulled by a team of dogs for recreational purposes.

Cross Country Skiing

The traveling across snow on skiis, outside an organized ski area, for the purposes of recreation.

Mountain Climbing With Gear

The climbing of mountains with the use of gear such as rope, ice axes, crampons, spiked shoes, etc.

Sightseeing

The viewing of a historical, scenic, or other specific attraction. An important qualification is that sightseeing must involve the prior intention on the part of the respondent of viewing the attraction.

Driving for Pleasure

Driving or riding in an automobile, but only when the purpose is primarily for pleasure.

Picnicking

An outdoor activity where the primary purpose is the preparation or eating of a meal out of doors. This would include cookouts and barbecues in neighbors' yards, but not in one's own yard.

Fishing

The catching of fish for noncommercial purposes. Sub activity definition includes the catching of fish in freshwater, saltwater and through a hole in the ice for non commercial purposes.

Boating

The recreational use of any motorized boat. (Data was also collected for sailboating and airboating, however, the level of participation was too low for projection of Statewide or Regional demand).

Camping

Living out of doors overnight using for shelter a bed roll, sleeping bag, trailer, tent, or a hut open on one or more sides, if the person takes his bedding, cooking equipment, and food with him. This does not include formal camps for teenagers such as Boy Scout camps or formal family camps such as church camps. Camping in developed areas refers to camping in designated camping areas served by a road. Camping in Remote Areas refers to camping in more primitive settings served by a trail.

Swimming

Swimming in a lake, river, ocean, or outdoor swimming pool (with filter system) and including playing in the surf, surfing, and sunbathing at any of the above places. Participation in scuba diving, also a swimming activity, was too low to estimate Statewide and Regional demand.

Hunting

The search for, or stalking of, animals in order to kill with bullets, arrows, etc. but excluding commercial hunting and the trapping of animals. Sub activities include big game, small game and waterfowl hunting.

Outdoor Games Or Sports

Any games and sports where there is competition against other persons (such as golf, tennis, softball, badminton, etc.) or against the clock or a record (speedboat racing, auto rallies, etc.).

Ice Skating

Any recreational ice skating which is carried on out of doors and is not competitive. Thus, ice skating on indoor rinks should not be included.

Snow Play

The recreational use of a sled, toboggan, bobsled, or other vehicle designed for sliding over snow or ice but not including vehicles drawn by a horse or propelled mechanically.

Flying For Pleasure

The flying or riding in an aircraft on a nonscheduled route for the purposes of recreation only.

Alpine Skiing

Any noncompetitive recreational use of skis on snow. Professional skiing is out of scope for this survey. Amateur competitive skiing should be included under "playing outdoor games or sports."

RESIDENT INTERVIEW QUESTIONNAIRE

Exhibit F-1 shows the questionnaire used for the 1,645 in-person interviews conducted throughout Alaska as the basis for estimating resident demand. Information on the location of the interviews can be found in Chapter V.

ALASKA RESIDENT RECREATION DEMAND SURVEY

September 1967

State of Alaska
Department of Natural Resources
Division of Lands
Branch of Parks and Recreation

Theodore G. Smith - Chief
Tom Wade - Assistant Recreation Planner

Section I

As our population grows and people have more leisure time, there is an increasing need for public and private outdoor recreation facilities. In order to meet this problem, up-to-date information is needed on how people spend their free time in outdoor recreation and on the kinds of outdoor recreation activities they like. The questions that I am going to ask you refer to you alone and not to the other members of your family.

1. Thinking of summer, is there an outdoor activity that you particularly enjoy doing?

1 Yes - What is it? (Record answer verbatim)

2 No (Skip to Question 4)

3. Do you . . . as often as you would like?

1 Yes

2 No - Why don't you . . . more often?

2a. Where do you usually go? (**Check Boxes**)

1 Specific place: _____

a. Private Residence

b. Camping

c. Hotel, Motel, Lodge

d. Other _____

2 At home or in the immediate neighborhood

3 No specific place

4. Is there a summer outdoor activity which you don't do at all but would like to do?

1 Yes - What activity? _____
Why don't you . . .? (Probe)

2 No

2b. Are you satisfied with this place as one in which to . . .?

1 Yes - What is it that you like most about this place?

2 No - Why not? _____

5. Thinking of the winter, is there an outdoor activity that you particularly enjoy doing?

1 Yes - What is it? _____

2 No (Skip to Question 8)

Section I (Continued)

6a. Where do you usually go?
(Check **boxes**)

1 Specific place: _____

a. Private Residence

b. Camping

c. Hotel, Motel, Lodge

d. Other _____

2 At home or in the immediate neighborhood

3 No specific place

7. Do you . . . as often as you would like?

1 Yes

2 No - Why don't you . . . more often?

6b. Are you satisfied with this place as one in which to . . . ?

1 Yes - What is it that you like most about this place?

2 No - Why not? _____

8. Is there a winter outdoor activity which you don't do at all but would like to do?

1 Yes - What activity? _____
Why don't you . . . ? (Probe)

2 No (Skip to Section II)

Section IIA

Now, let's talk about any recreation vacation you took this year. By a recreation vacation, we mean a vacation occasion AWAY FROM HOME occupying at least more than three days.

VACATIONS

9. In the past 12 months did you take any vacations AWAY FROM HOME occupying at least more than 3 days?

1 Yes - How many? _____

2 No (Skip to Section IIB)

	Vacation		
	Most Recent	Second	Third
10. Starting with your most recent vacation, where did you go? (Principle destination) (Enter State and place of the three most recent vacations.)			
11. (Ask for each vacation) How far from here is that?	Miles	Miles	Miles
12. How long did it take you to get there?	Hours	Hours	Hours
13. What was the major purpose of your vacation to . . . ?	Purpose	Purpose	Purpose
14. Did you go by private automobile or some other way? (Enter each means used)	1 <input checked="" type="checkbox"/> Auto-mobile 2 <input checked="" type="checkbox"/> Other	1 <input checked="" type="checkbox"/> Auto-mobile 2 <input checked="" type="checkbox"/> Other	1 <input checked="" type="checkbox"/> Auto-mobile 2 <input checked="" type="checkbox"/> Other
15. Altogether, about how long were you away from home?	Days	Days	Days
15a. How many people were in your immediate party?	Number	Number	Number
16b. How many in the party were 11 years old or younger?	Number	Number	Number

17a. Looking at the list, which of these activities did you take part in during your vacation to . . . ?

b. Were there any others not on the list? (If so, enter on list)

c. (Ask for EACH activity mentioned) On how many different days did you go . . . ?

d. You have already told me about the (3) vacations you took last summer. Now, let's talk about any OTHER vacations. Which of the activities on the list did you take part in on all of these vacations combined?

OR No other vacations (Skip to Section IIB, Page 5)

e. Were there any others not on the list? (If so, enter on list)

f. On how many different days did you go . . . ?

NOTES:

Notes:

Section IIB

8. (In addition to your vacation trip) During the last 12 months, did you take any trips overnight or longer PRIMARILY TO TAKE PART IN ANY OUTDOOR RECREATION ACTIVITY?

1 Yes - How many? _____

2 No - (Skip to Section IIC)

TRIPS

	Trips		
	Most Recent	Second	Third
9. Starting with your most recent trip, where did you go? (Principal destination) (Enter State and place of the 3 most recent trips.)			
10. (Ask for each trip) How far from here is that?	Miles	Miles	Miles
11. How long did it take you to get there?	Hours	Hours	Hours
12. What was the major purpose of your trip to . . . ?	Purpose	Purpose	Purpose
13. Did you go by private automobile or some other way? (Enter each means used)	1 <input checked="" type="checkbox"/> Auto-mobile	2 <input checked="" type="checkbox"/> Auto-mobile	3 <input checked="" type="checkbox"/> Auto-mobile
	2 <input checked="" type="checkbox"/> Other	2 <input checked="" type="checkbox"/> Other	2 <input checked="" type="checkbox"/> Other
14a. Altogether, about how long were you away from home?	Hours	Hours	Hours
b. How much of this time did you spend traveling?	Hours	Hours	Hours
15a. How many people were in your immediate party?	Number	Number	Number
b. How many in the party were 11 years old or younger?	Number	Number	Number
16a. Looking at the list, which of these activities did you take part in during your trip to . . . ?			
b. Were there any others not on the list? (If so, enter on list)			
c. (Ask for EACH activity mentioned) On how many different days did you go . . . ?			
d. You have already told me about the (3) trips you took primarily for outdoor recreation. Now let's talk about any OTHER trips you took last summer. Which of the activities on the list did you take part in on all of these trips combined?			
OR <input checked="" type="checkbox"/> No other trips (Skip to Section IIC)			
e. Were there any others not on the list? (If so, enter on list)			
f. On how many different days did you go . . . ?			

Notes:

Now, let's talk about any recreation outings you took this past year. By a recreation outing, we mean an outdoor occasion AWAY FROM HOME occupying the BETTER PART OF A DAY, such as a picnic, a day at the beach or lake, and so on.

OUTINGS

Yes - How many? _____

NO - Skip to Section III

28. Starting with your most recent outing, where did you go? (Principal destination) (Enter State and place of the 4 most recent outings)

Most Recent	Second	Third	Fourth
-----	-----	-----	-----
-----	-----	-----	-----

29. (Ask for each outing)
How far from here is that?

Miles	Miles	Miles	Miles
-------	-------	-------	-------

30. How long did it take you to get there?

Hours	Hours	Hours	Hours
-------	-------	-------	-------

31. What was the major purpose of your outing to . . . ?

Purpose	Purpose	Purpose	Purpose
---------	---------	---------	---------

32. Did you go by private automobile or some other way? (Enter each means used)

1 <input type="checkbox"/> Auto- mobile	2 <input type="checkbox"/> Auto- mobile	3 <input type="checkbox"/> Auto- mobile	4 <input type="checkbox"/> Auto- mobile
2 <input type="checkbox"/> Other	2 <input type="checkbox"/> Other	2 <input type="checkbox"/> Other	2 <input type="checkbox"/> Other

Altogether, about how long were you away from home?

Hours	Hours	Hours	Hours
-------	-------	-------	-------

b. How much of this time did you spend traveling?

Hours	Hours	Hours	Hours
-------	-------	-------	-------

34a. How many people were in your immediate party?

Number	Number	Number	Number
--------	--------	--------	--------

b. How many in the party were 11 years old or younger?

Number	Number	Number	Number
--------	--------	--------	--------

35a. Looking at the list, which of these activities did you take part in during your outing to . . . ?

b. Were there any others not on the list? (If so, enter on list)

c. (Ask for EACH activity mentioned) On how many different days did you go . . . ?

d. You have already told me about the (4) outings you took primarily for outdoor recreation. Now let's talk about any OTHER outings you took last year. Which of the activities on the list did you take part in on all of these outings combined?

e. Were there any others not on the list? (If so, enter on list)

On how many different days did you go . . . ?

NOTES:

Section IIc

Line N	Activity	Outings									
		Most Recent		Second		Third		Fourth		All Other	
		Yes	Number of Oc-casions	Yes	Number of Oc-casions	Yes	Number of Oc-casions	Yes	Number of Oc-casions	Yes	Number of Oc-casions
1	Bicycling										
2	Motor Cycling										
3	Snow Vehicles										
4	Tennis										
5	Golf										
6	Other Outdoor Games & Sports										
7	Horseback Riding										
8	Dog Sledding										
9	Downhill Skiing										
10	Cross Country Skiing										
11	Sledding/tobogganning										
12	Snow Shoeing										
13	Attending Outdoor Concerts, etc										
14	Attending Outdoor Sport Events										
15	Berry Picking										
16	Driving for Pleasure										
17	Flying for Pleasure										
18	Gold Panning										
19	Historical Study										
20	Photography										
21	Picnicking										
22	Rock Hounding										
23	Shooting for Pleasure										
24	Nature Study										
	Bird Watching										
26	Sightseeing										
27	Walking for Pleasure										
28	Camping - Developed Area										
29	Camping - Remote-Wilderness										
30	Hiking										
31	Big Game Hunting										
32	Small Game Hunting										
33	Water Fowl Hunting										
34	Mountain Climbing with Gear										
35	Canoeing										
36	Sailing										
37	Motor Boating										
38	Air Boating										
39	Fresh Water Fishing										
40	Salt Water Fishing										
41	Ice Fishing										
42	Ice Skating										
43	Crabbing										
44	Clamming										
45	Scuba & Skin Diving										
46	Swimming - Ocean										
47	Swimming - Lake, Pond or Stream										
48	Swimming Pool										
49	Water Skiing										
5	Other										

SECTION III

Now let's talk about all the other outdoor recreation activities you took part in last year, in your neighborhood or away from home when you had only a few hours available. 36. Did you participate in any of these activities this past year?

36b. On how many occasions? No Skip to Section IV

No.	Activity	Yes	Number of Occasions
1	Bicycling		
2	Motor Cycling		
3	Snow Vehicles		
4	Tennis		
5	Golf		
6	Other Outdoor Games and Sports		
7	Horseback Riding		
8	Dog Sledding		
9	Downhill Skiing		
10	Cross Country Skiing		
11	Sledding/Tobogganing		
12	Snow Shoeing		
13	Attend Outdoor Concerts, etc.		
14	Attend Outdoor Sports Events		
15	Berry Picking		
16	Driving for Pleasure		
17	Flying for Pleasure		
18	Gold Panning		
19	Historical Study		
20	Photography		
1	Picnicking		
22	Rock Hounding		
23	Shooting for Pleasure		
24	Nature Study		
25	Bird Watching		
26	Sightseeing		
27	Walking for Pleasure		
28	Camping - Developed Areas		
29	Camping - Remote-Wilderness		
30	Hiking		
31	Big Game Hunting		
32	Small Game Hunting		
33	Water Fowl Hunting		
34	Mountain Climbing with Gear		
35	Canoeing		
36	Sailing		
37	Motor Boating		
38	Air Boating		
39	Fresh Water Fishing		
40	Salt Water Fishing		
41	Ice Fishing		
42	Ice Skating		
43	Crabbing		
44	Clamming		
45	Scuba & Skin Diving		
	Swimming - Ocean		
47	Swimming - Lake, Pond or Stream		
48	Swimming Pool		
49	Water Skiing		
50	Other		

NOTICE: The information you give in this survey is confidential and may be seen only by State employees working on this project and used only for statistical purposes.

Department of Natural Resources
Division of Lands
State Parks and Recreation
RESIDENTIAL RECREATION SURVEY

For use in determining outdoor recreation participation rates. REC. FORM R-2

a. Address			
b. Name of respondent			
c. Occupation			
d. Relation to head	e. Age	f. Race	g. Sex
h. Interviewed by			i. Date

Section IV

37 What is the highest grade (or year) of regular school you (the Sample Person) have ever attended?
(Interviewer: Transcribe from Control Card if available; otherwise ask:)
(Check ONE box only)

(1) Never attended school X
(2) Kindergarten Y
(3) Elementary School 1 2 3 4 5 6 7 8
 A B C D E F G H
(4) High school 1 2 3 4
 J K L M
(5) College 1 2 3 4 5 6 or more
 N O P Q R S

38 What is the highest grade (or year) of regular school the head of this household has ever attended?
(Interviewer: Transcribe from Control Card if available; otherwise, ask:)
(Check ONE box only)

(1) Never attended school X
(2) Kindergarten Y
(3) Elementary School 1 2 3 4 5 6 7 8
 A B C D E F G H
(4) High school 1 2 3 4
 J K L M
(5) College 1 2 3 4 5 6 or more
 N O P Q R S more

39 Did you finish this grade or year?
1 Yes 2 No

40 Did you finish this grade or year?
1 Yes 2 No

41 (Interviewer check item)
Do you or your family own:
a. A Car d. An Airplane
b. A Camper or Trailer e. A Snow Vehicle
c. A Boat f. A Motorcycle

42 (Give respondent income flash card)
Here is a card showing annual family income. Please tell me the number that corresponds to the total income of this family during the past 12 months.

This includes wages and salaries, business profits, net farm income, pensions, rents, and any other money income received by the members of this family.

43 Hours worked per week _____

44 Number of days paid vacation _____

45 Number of paid holidays _____

TIME OF INTERVIEW	Began	Ended
-------------------	-------	-------

Non-interview reason

1 Refusal 2 NOH
3 Moved or left household
(Obtain address if possible)

4 Other (Specify) _____

Family Income	Check
Less than \$1,500	1. <input type="checkbox"/>
\$1,500 - 2,999	2. <input type="checkbox"/>
\$3,000 - 4,499	3. <input type="checkbox"/>
\$4,500 - 5,999	4. <input type="checkbox"/>
\$6,000 - 7,999	5. <input type="checkbox"/>
\$8,000 - 9,999	6. <input type="checkbox"/>
\$10,000 - 14,999	7. <input type="checkbox"/>
\$15,000 - 19,999	8. <input type="checkbox"/>
\$20,000 and over	9. <input type="checkbox"/>
Number in household _____	

NONRESIDENT MAIL-BACK QUESTIONNAIRE

Exhibit G-1 shows the mail-back questionnaire distributed to Alaskan tourists at points of exit from the State. The results of this questionnaire, along with other data, were used to estimate nonresident demand for outdoor recreation in Alaska. Location of the distribution points for this questionnaire can be found in Chapter V.

STATE OF ALASKA
 DEPARTMENT OF NATURAL RESOURCES
NON RESIDENT MAIL-BACK QUESTIONNAIRE

REVERSE SIDE - BUSINESS REPLY - ALASKA TRAVEL DIVISION
 POUCH E
 JUNEAU, ALASKA 99801

TRAVELERS SURVEY 

STATE OF ALASKA • DEPT. OF ECONOMIC DEVELOPMENT • ALASKA TRAVEL DIVISION

THANK YOU... FOR TAKING TIME TO ANSWER THIS BRIEF QUESTIONNAIRE.
 YOUR RESPONSE WILL BE A GREAT HELP TO US IN MAKING OUR STATE AN
 EVEN BETTER PLACE TO VISIT.

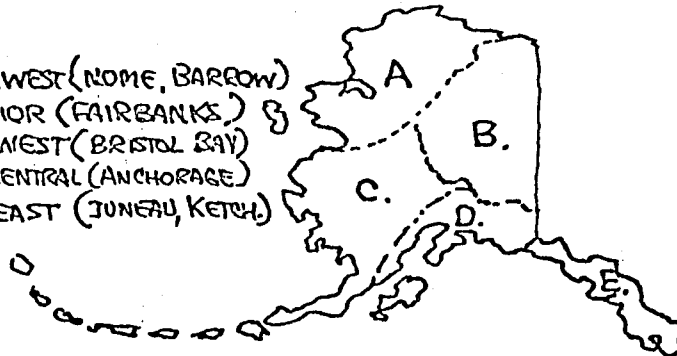
Mark F. Schopf

DIRECTOR • TRAVEL DIVISION

1. IN WHAT STATE OR COUNTRY DO YOU RESIDE? _____
2. WHAT IS THE NATURE OF YOUR VISIT? (CHECK ONE OR MORE) a) VACATION _____
 b) VISIT RELATIVES OR FRIENDS _____ BUSINESS _____
3. HOW MANY IN YOUR PARTY, NOT INCLUDING TOUR GROUPS? (CIRCLE) 1 2 3 4 5 OR MORE
4. APPROXIMATELY HOW MANY DAYS DURING YOUR TRIP DID YOU PARTICIPATE IN THE FOLLOWING?
 5. ARE YOU A MEMBER OF AN ORGANIZED TOUR? _____
6. PLEASE MARK AN "X" FOR EACH REGION OF ALASKA VISITED.

- a. PICKNICKING _____
- b. CAMPING _____
- c. SIGHTSEEING _____
- d. DRIVING FOR PLEASURE _____
- e. WALKING FOR PLEASURE _____
- f. HUNTING _____
- g. FISHING _____
- h. BOATING _____
- i. SWIMMING _____
- j. SKIING _____
- k. ICE SKATING _____
- l. SLEDDING _____
- m. OTHER (PLS SPECIFY) _____

- A. NORTHWEST (NOME, BARROW)
- B. INTERIOR (FAIRBANKS)
- C. SOUTHWEST (BRISTOL BAY)
- D. SOUTH CENTRAL (ANCHORAGE)
- E. SOUTHEAST (JUNEAU, KETCH)



NONRESIDENT IN-PERSON
INTERVIEW QUESTIONNAIRE

Exhibit H-1 shows the nonresident demand questionnaire used in the 1,479 in-person interviews conducted at points of exit from the State. Locations of the interviewing stations can be found in Chapter V.

NON RESIDENT DEMAND QUESTIONNAIRE
USED FOR IN-PERSON INTERVIEWS

I. Interviewer Introduction

- ... Introduce self - name, working for
- ... Purpose of survey - gather information about your visit and what you did and enjoyed while you were with us
- ... Could we take 10 minutes of your time to fill out this questionnaire
- ... You will not be identified - the information is anonymous
- ... We appreciate your assistance
- ... Read each question entirely before asking for response

II. Preliminary Data

- ... Date: _____
- ... Name of Interviewer: _____
- ... Location: _____

III. Interview

1. In what state or country do you reside: _____

2. Was your visit taken: (if appropriate, check more than one)
 - as a vacation _____
 - to visit relatives and friends _____
 - for business purposes _____

3. How many people are in your party, not including tour groups:
1 _____ 2 _____, 3 _____, 4 or 5 _____, 6 or more _____

4. And how many days have you been in the state:
0 - 5 _____ 11 - 15 _____ 21 - 25 _____ 31 - 50 _____
6 - 10 _____ 16 - 20 _____ 26 - 30 _____ 50 or more _____

5. Have you been to Alaska before: _____
How many times: _____

6. What made you interested in taking this trip to Alaska:
(Please list specifics where possible)

- Comments of relatives and friends _____
- Publications, books and magazines _____
- Brochures and maps _____
- Films _____
- Newspapers _____
- Alaska's Image _____
- Prior knowledge from previous trip _____
- Other (please specify) _____

7. What sources of information were helpful to you while you were visiting us:
(Please list specifics where possible)

- Brochures and maps _____
- Publications, books and magazines _____
- Films _____
- Newspapers _____
- Conversations with residents _____
- Information facilities _____
- Other (please specify) _____

8. Listed below are Alaska's five regions and a number of popular activities which tourists frequently enjoy. Would you please indicate by region the approximate number of days in which you participated in each of the activities. Please note that you may have participated in several activities during a single day - INTERVIEWER TO GIVE AN EXAMPLE.

Which regions did you visit:

	<u>SOUTHEASTERN</u>	<u>SOUTHCENTRAL</u>	<u>SOUTHWEST</u>	<u>INTERIOR</u>	<u>NORTHWEST</u>	<u>TOTAL</u>
a. Picnicking						
b. Camping						
c. Sightseeing						
d. Driving for Pleasure						
e. Walking for Pleasure						
f. Outdoor Games						
g. Hunting						
h. Fishing						
i. Boating						
j. Swimming						
k. Skiing						
l. Ice Skating						
m. Sledding & Tobogganing						
n. Other (please specify)						

9. Are there any activities, including those mentioned above which you would have enjoyed participating in but were unable to: yes _____ no _____

If yes, what activities were these and why were you unable to participate in them:

<u>Activity</u>	<u>Reason for Non Participation</u>
_____	_____
_____	_____
_____	_____

10. Listed below are some of Alaska's features. Would you please indicate your reaction to each:

	Very Impressed	Adequate	Dissatisfied or Inadequate	No Opinion
a. Scenery & Beauty				
b. Hunting & Fishing				
c. Campgrounds				
d. Picnic Areas				
e. Native Culture				
f. Animal Wildlife				
g. Historic Past				
h. Winter Sports				
i. Climate				
j. Alaska's People				
k. Other (specify)				

11. Listed below are various aspects of traveling in Alaska. Would you please indicate your reaction to each:

	Very Impressed	Adequate	Dissatisfied or Inadequate	No Opinion
a. Accommodations				
b. Food				
c. Shopping Facilities				
d. Alaska's Roads				
e. Other Transportation				
f. Entertainment				
g. Prices				
h. Other (specify)				

IV. ... THANK YOU VERY MUCH FOR YOUR ASSISTANCE.

... I HOPE WE SEE YOU AGAIN IN ALASKA.

STATISTICAL TECHNIQUES
USED FOR ESTIMATING DEMAND

This appendix discusses the statistical techniques used to estimate resident and nonresident demand for the 14 major outdoor recreation activities described in this report. It is divided into the following four parts: Initial Processing Of Resident Data, Final Processing Of Resident Data, Nonresident Estimating Techniques, and Estimation Of Future Resident And Nonresident Participation.

INITIAL PROCESSING
OF RESIDENT DATA

As described in the text, estimates of resident demand are based upon the results of in-person interviews with a carefully chosen sample of the State's residents (the questionnaire used in these interviews is found in Appendix F). The results of these interviews were then processed on computers to yield information in the proper form for measuring resident demand and for testing the statistical reliability of the sample for estimation purposes. Exhibit I-1 describes the statistics calculated, using the State-wide summary of sample results as an example of the form in which data were prepared. In addition to this Statewide summary, the same information was prepared for each of the State's five regions. An explanation of these statistics is found in Exhibit I-2.

The statistical reliability of the sample for estimating purposes was evaluated on the basis of the size of the standard errors of the sample means. That is, the standard error of the mean, for the distribution of both participation days per participant and per sampled person, was a small enough percentage of the mean of that distribution so that repeated samples of the population would result in approximately the same mean each time. For example, for trail related activities the mean participation of all persons in the sample is 66.99 days per year with the standard error of the mean equal to 2.60 days (4 per cent of the mean). There is, therefore, a 68 per cent chance that the mean of another random sample of the same size and taken at the same time would fall between 64.39 and 69.59 days (66.99 plus or minus one standard error) and a 95 per cent chance that the mean will fall between 61.79 and 72.19 days (66.99 plus or minus two standard errors). In each case, the standard error was sufficiently small to allow the sample results to be used to estimate the participation of the entire population.

An interesting characteristic of these sample results, however, is the large standard deviations of the participation day distributions. In nearly every case, these deviations exceeded the mean of the distribution, indicating extremely wide variation of sample responses. Despite this, relatively small standard errors proved the reliability of the sample for estimating the proportion of the State's population participating in each activity and the mean number of days participated in each activity per year.

FINAL PROCESSING
OF RESIDENT DATA

Having determined the statistical reliability of the sample for estimating purposes, regional estimates of total yearly participation and peak seasonal day participation were then calculated. This was accomplished in the following manner.

Total Annual Demand

For each activity, the population of each region was multiplied by the mean number of annual participation days per sample member (mean sample in Exhibit I-1). This indicated total yearly demand in participation days for an activity by region.

Peak Day Demand

These annual participation estimates were then reduced to peak seasonal day demand estimates by determining the percentage of yearly demand for an activity occurring on a given peak seasonal day. This was accomplished by preparing distributions of yearly participation over the 12 months of the year and distributions of the most active month's participation over the days of the week. These distributions, shown as Exhibit I-3, were developed by the planning task force and reviewed with the Alaska Outdoor Recreation Council, with final revisions completed by the consultants. The month with the highest percentage of annual participation was divided by four (the number of weeks in the month) to determine the percentage of yearly participation occurring in one week of the month. This, multiplied by the proportion of the week's participation occurring on the most active weekday, resulted in the percentage of annual participation occurring on a peak seasonal day.

For example, assume that 20 per cent of the annual demand for fishing occurs in August, and that Sunday is the most active day of the week, experiencing 25 per cent of the weekly demand. The percentage of annual demand for fishing occurring on a peak seasonal day is then calculated as follows:

$$\begin{array}{rcl} \text{Month With} & & \text{Day of Week} & & \text{Percentage of Annual} \\ \text{Highest Percentage} & \div & 4 \text{ weeks} & \times & \text{With Highest} & = & \text{Demand Occurring On} \\ \text{Of Annual Demand} & & & & \text{Demand} & & \text{A Peak Seasonal Day} \end{array}$$

or

$$20 \text{ per cent} \div 4 \text{ weeks} \times 25 \text{ per cent} = 1.25 \text{ per cent of Annual Demand}$$

This process was repeated for each outdoor recreation activity for each region, and the tables given in Chapter V, Section B were prepared to indicate the number of persons expected to participate in the activity on a peak seasonal day. No Statewide estimates of peak seasonal day participation were prepared, however, because of the probable dissimilarities in peak seasonal day participation in the State's five regions. That is, while the Statewide distributions of the participation occurring on a most active day are correct, the month of the year or day of the week may vary from region to region, thereby making a Statewide peak seasonal day participation estimate meaningless.

NONRESIDENT ESTIMATING TECHNIQUES

Estimates of nonresident demand were developed, using the results of both the 617 in-depth interviews conducted with tourists and the 1,479 mail-back questionnaires distributed to visitors to the State (copies of these are found in Appendixes C and H). First, participation days per tourist per activity were developed and multiplied by the number of tourists visiting

the State to determine total annual nonresident participation days for each activity. Next, allocations of this annual demand by region were prepared and reduced to participation on an average seasonal day. This process is described below.

Development Of Participation Days Per Tourist

Results of the in-depth interviews were first processed on computers to yield exactly the same kind of information as was derived from the resident interviews (see Exhibit I-1). In the judgment of the consultants, however, there appeared to be an upward bias in the data, largely because of the high proportion of interviews conducted with highway travelers, who logically have higher participation rates for many activities than travelers by other modes of transportation.

To adjust for this apparent bias, participation days per tourist for each activity were recomputed by mode of traveler transportation to the State, using information from the mail-back questionnaires which was in a form that could be easily processed. These adjusted rates of participation were then weighted by the proportion of tourists traveling to the State by these modes of transportation (as indicated in the Alaska tourism study by Cresap, McCormick and Paget Inc.), resulting in an unbiased participation rate for the State as a whole. An example of this process is shown in the following table:

PICNICKING

<u>Means Of Exit From The State</u>	<u>Proportion Of Tourists Traveling To State By Mode Of Transportation, As Per Tourism Study</u>	<u>Participation Days Per Tourist Per Mail-Back Questionnaire</u>	<u>Weighted Average Participation Days Per Tourist By Mode Of Transportation</u>
Air	.24	.97	.23
Highway	.39	1.51	.59
Water	.37	3.43	<u>1.27</u>

Total weighted average annual participation per tourist = 2.09

Total weighted average annual participation per tourist was then multiplied by the number of tourists traveling to the State to determine total yearly demand for the activity. For picnicking, for example, total yearly demand for 1967 was computed as follows:

$$2.1 \text{ participation days per tourist} \times 86,700 \text{ tourists} = 182,000 \text{ participation days per year}$$

The following table shows the resulting weighted average participation per tourist and the total annual participation days for each nonresident activity surveyed:

<u>Activity</u>	<u>Average Annual Participation Days Per Tourist</u>	<u>Total Annual Participation Days</u>
Walking For Pleasure	2.1	182,000
Sightseeing	9.7	841,000
Driving For Pleasure	3.8	329,000
Picnicking	2.1	182,000
Fishing	1.3	113,000
Boating	.5	44,000
Camping	4.6	398,000
Swimming	.1	9,000
Hunting	.2	51,000(a)
Ice Skating	.01	1,000
Snow Play	.01	1,000
Alpine Skiing	.05	4,000

(a) Based on nonresident hunting license data.

Regional Allocation Of Annual Demand

Regional allocations of yearly demand were developed by merging the average annual participation days per tourist (as developed in the preceding paragraphs) with the results of the in-depth interviews. This process, however, was complicated by two factors: first, the number of persons who visited each region had to be calculated; second, the number of days spent participating in each activity in each region per tourist or per participant.

To simplify these two complications, a system of weighting total annual Statewide demand for each activity was developed to adjust for regional variation in participation per tourist and per visitation. An example of this process is shown in Exhibit I-4 and is discussed below.

1. Regional variation in participation per tourist was taken into account by weighting Statewide participation days per tourist (column 3) by the variation in participation per participant, as indicated in the in-depth interviews (columns 1 and 2).

2. To factor out regional variations in visitation, these figures were further weighted by the variation in the number of tourists in the in-depth interview sample indicating participation in the activity in each of the State's five regions (column 4).

3. The resulting weighting factor (column 5) was then applied to total annual participation for each activity to arrive at regional annual participation.

Average Seasonal Day Allocation

Allocations of annual nonresident demand to average seasonal day demand were accomplished by use of the same format as was developed for resident peak seasonal day allocations. That is, distributions of annual demand over the 12 months of the year and the days of the week for the most active month were prepared by the Planning Task Force for summer and winter seasonal activities, and reviewed with the Alaska Outdoor Recreation Council. These distributions are shown in Exhibit I-5. The percentage of annual demand occurring during a peak month was divided by four weeks, and multiplied by the percentage of the week's participation occurring on the most active day. The resulting figures were the number of nonresidents expected to participate in the activity on an average day during the tourist season, and are found in Chapter V, Section B.

For winter season activities, March was considered to be the most active month, with weekly participation fairly constant (slightly higher on weekends). For summer season activities, July was considered to be the most active month, with 29 per cent of the annual demand. Daily participation over the weeks during peak summer months was considered to be generally constant, with a slightly higher level on weekends.

ESTIMATION OF RESIDENT
AND NONRESIDENT FUTURE
PARTICIPATION

Techniques used to estimate both resident and nonresident future demand are discussed below.

Resident Demand Forecasting

Forecasts of peak seasonal day demand for the years 1975, 1980 and 2000 were prepared by allocating estimated total annual demand for each activity to peak seasonal days, using the same yearly and weekly participation distributions as in Exhibit I-3.

Total annual demand was calculated for each of these years by estimating two factors - resident participation per capita for each activity, and the State's population (the product of the two equals total annual demand). Participation per capita estimates for these years were derived by applying an anticipated rate-of-change factor to the current (1967) annual participation days per capita for each activity. These rate-of-change or growth factors were based upon: (1) nationwide rates established by the Bureau of Outdoor Recreation in the report, "Outdoor Recreation Trends"; (2) an adjustment of the nationwide rates (generally upward) to compensate for the greater anticipated changes in time, income and mobility factors in Alaska as compared with the rest of the United States; and (3) the judgment of the Planning Task Force, where no growth rates were available for an activity (here relationships were drawn between activities, when possible, to estimate an appropriate rate). Exhibit I-6 shows these anticipated rates of growth in participation per capita for each activity over the years 1967-1975, 1967-1980 and 1967-2000, compared with the Bureau of Outdoor Recreation nationwide estimates. Brief explanations of

deviation from the nationwide estimates are presented below:

<u>Activity</u>	<u>Explanation Of Growth Rate Used In Alaska Study</u>
Trail-Related Activities	
Walking For Pleasure	A high present rate (27.5 days per year) and increases in participant mobility allowing for access to other outdoor recreation activities are expected to result in a rate of increase somewhat less than the national average.
Nature Study	Same as national average.
Bicycling	Same as national average.
Hiking	Improved access is expected to result in participation slightly (10 per cent) higher than the national estimate.
Snowmobiling	Popular participation in this activity is expected to remain popular increasing with income and then gradually tapering off as the Alaskan market becomes saturated.
Motorcycling	Assumed to increase at the same rate as driving for pleasure.
Snowshoeing	Increases in participation assumed to be low because of high current rate.
Canoeing	Improvement in access and in canoe trails are expected to result in substantial increases in participation over time.
Horseback Riding	Same as national average.
Dogsledding	Assumed participation per capita same as present throughout forecast period.
Cross-Country Skiing	Added emphasis on this activity in Alaskan schools and low current level of participation are expected to greatly increase future participation.

<u>Activity</u>	<u>Explanation Of Growth Rate Used In Alaska Study</u>
Mountain Climbing With Gear	Increases in time and income are expected to increase participation in this activity.
Sightseeing	Same as national average.
Driving For Pleasure	Same as national average.
Picnicking	Same as national average.
Fishing	Unlike the balance of the United States where fishing is stable or declining in popularity, Alaskan participation will probably increase at a moderately high rate as a result of increased mobility and access.
Boating	Greater relative changes in access should result in increases in participation somewhat above those for the balance of the nation.
Camping	Same as national average.
Swimming	Same as national average.
Hunting	Increases in participation in this activity were assumed to be slightly less than for fishing since the nature of the activities is similar.
Outdoor Games And Sports	Generally increases in time, income and mobility factors are not expected to result in substantial differentials in growth rates from balance of nation; however, as the population as a whole becomes more similar to the rest of the United States, the percentage of the population under 12 years of age will probably decline, resulting in a growth rate slightly less than the nationwide figure.
Ice Skating	Increases in participation are assumed to be primarily a function of increases in leisure time and, therefore, have relatively low rates.
Snow Play	Same as Ice Skating.

<u>Activity</u>	<u>Explanation Of Growth Rate Used In Alaska Study</u>
Flying For Pleasure	Alaska is currently considered the most air-minded State; increases in time and income factors will probably increase participation per capita.
Alpine Skiing	Increases are expected over time to be among the highest of any activity, as a result of increases in facilities and increases in T-I-M factors.

NONRESIDENT DEMAND FORECASTING

Forecasts of average seasonal day demand were prepared for the years 1975, 1980 and 2000 by allocating estimated total annual demand for each activity to average seasonal days using the same yearly and weekly participation distributions presented in Exhibit I-5. Total annual demand for each of these years (1975, 1980 and 2000) was determined by extrapolating the 1967 level of demand by a compound growth rate based upon the expected annual percentage increase in the number of tourists traveling to the State and expected increases in vacation days per year. Specifically, the 1967-75 growth factor was based upon a 10 per cent annual increase in tourists traveling to the State as determined by Cresap, McCormick and Paget in an Alaskan tourism study, and an increase of 0.8 per cent per year in vacation days, as estimated by Arthur D. Little, Inc. The 1975-1980, 1980-2000 growth factors were based upon a 5.2 per cent annual increase in tourists traveling to the State and the same increases in vacation days used above. The results of these extrapolations are shown in Exhibit I-7.

RESIDENT DEMAND STATISTICS
STATEWIDE SUMMARY

<u>Activity</u>	<u>Proportion Participating</u>	<u>Sigma Sigma</u>	<u>Sigma Proportion</u>	<u>Mean Participation</u>	<u>Sigma Participation</u>	<u>Sigma Mean</u>	<u>Mean Sample</u>	<u>Sigma Sample</u>	<u>Sigma Mean</u>
Trail Related Activities	0.87	13.42	0.01	76.58	109.60	2.89	66.99	105.59	2.60
Sightseeing	0.73	17.94	0.01	31.18	49.86	1.44	22.86	44.86	1.11
Driving For Pleasure	0.73	17.99	0.01	33.00	49.10	1.42	24.11	44.45	1.10
Picnicking	0.80	16.15	0.01	14.67	19.61	0.54	11.77	18.52	0.46
Fishing	0.64	19.52	0.01	18.20	25.19	0.78	11.57	21.91	0.54
Boating	0.55	20.17	0.01	17.03	24.56	0.82	9.38	20.10	0.50
Camping	0.42	20.01	0.01	11.48	18.26	0.70	4.82	13.11	0.32
Swimming	0.43	20.06	0.01	17.60	27.07	1.02	7.50	19.69	0.49
Hunting	0.40	19.84	0.01	17.17	33.66	1.32	6.82	22.80	0.56
Outdoor Games And Sports	0.31	18.73	0.01	19.19	31.63	1.40	5.91	19.66	0.48
Ice Skating	0.24	17.26	0.01	10.54	16.07	0.81	2.51	9.02	0.22
Snow Play	0.17	15.33	0.01	12.79	17.63	1.05	2.21	8.77	0.22
Flying For Pleasure	0.17	15.33	0.01	11.18	23.12	1.37	1.93	10.48	0.26
Alpine Skiing	0.10	12.22	0.01	12.20	17.89	1.39	1.23	6.75	0.17

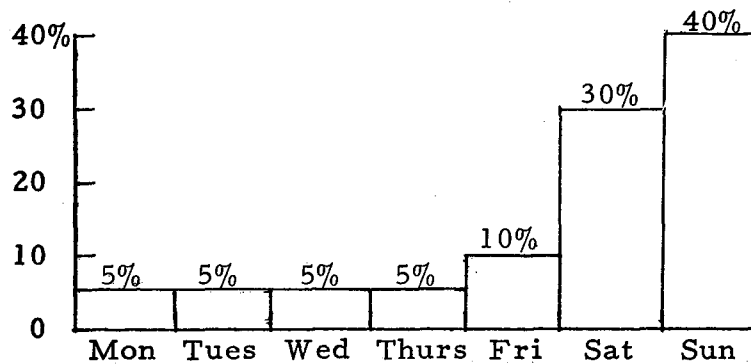
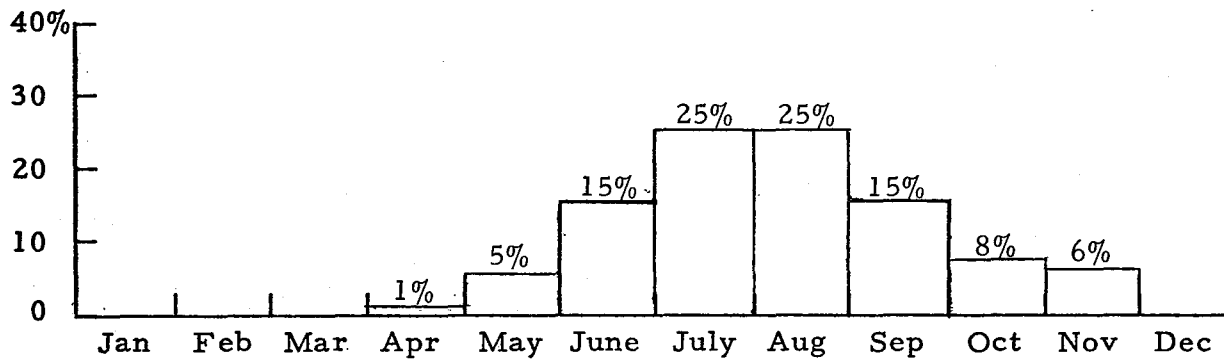
STATISTICS USED FOR DEMAND ANALYSIS

Statistic	Description
<p>1. Proportion Participating</p> $\rho = x/n$	<p>The proportion of persons in the sample indicating participation in this activity. For example, with 1645 residents in the sample (n=1645) and 165 indicating participation in Alpine Skiing (x=165) the proportion participating would be 10 per cent ($x/n = .10$).</p>
<p>2. Sigma =</p> $\sigma = \sqrt{n \cdot p(1-p)}$	<p>The standard deviation of a theoretical sampling distribution of the number of participants indicating participation in this activity.</p>
<p>3. Sigma proportion =</p> $\sigma_{x/n} = \sqrt{\frac{p(1-p)}{n}}$	<p>The standard deviation or standard error of the proportion. This is the same as equation 2 divided by n, which translates the standard deviation of number of participants in the theoretical sampling situation into a standard deviation (or standard error) of the proportion. That is, in repeated samples of size n, there are 68 chances out of 100 that the proportion of the sample indicating participation in the activity will vary by less than one standard deviation (sigma proportion) from the initial sample proportion.</p>
<p>4. Mean participation</p> $\bar{x}_o = \sum_{i=1}^{n_o} \frac{x_i}{n_o}$	<p>This is the arithmetic mean or average number of days spent participating in this activity by those indicating participation. In this case, x_i is the number of days of reported annual participation by each participant, n_o is the number of residents in the sample who indicated participation in this activity. Note here, n_o is the same as x in equation 1.</p>
<p>5. Sigma participation</p> $\sigma = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x}_o)^2}{n_o - 1}}$	<p>This is the standard deviation of the distribution of the number of annual participation days indicated by participants. The mean of this distribution is x_o. Definitions of x_i, \bar{x}_o and n_o are also the same as above.</p>

Statistic	Description
6. Sigma mean =	This is the standard error of the mean which is the standard deviation of a theoretical distribution of means of repeated samples of the same size with replacement. That is, on repeated samples, there are 68 chances out of 100 that the mean number of participation days indicated by the sample participants would fall between plus or minus one standard error around the mean (equation 4) of our initial sample, and 95 chances out of 100 that the mean would fall within plus or minus two standard deviations around the original mean.
$\sigma_x = \frac{\sigma}{\sqrt{n_g}}$	
7. Mean sample =	This is the same as formula 4 above, except n in this case represents every person sampled, including those who say they did not participate in the activity in question (i. e. there will be a number of x_i 's with a value of zero).
$\sum_{i=1}^n x_i / n$	
8. Sigma sample	This is the same as formula 5 above except (as in formula 7) n here refers to every person sampled, not just those who participate in the activity in question.
$\sigma = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}}$	
9. Sigma mean	Same as formula 6 above except that n here includes all persons in the sample.
$\sigma_x = \frac{\sigma}{\sqrt{n}}$	

DISTRIBUTION OF RESIDENT PARTICIPATION

SUMMER SEASONAL ACTIVITIES:
HIKING, CANOEING, HORSEBACK RIDING,
MOUNTAIN CLIMBING WITH GEAR, AND CAMPING(a)

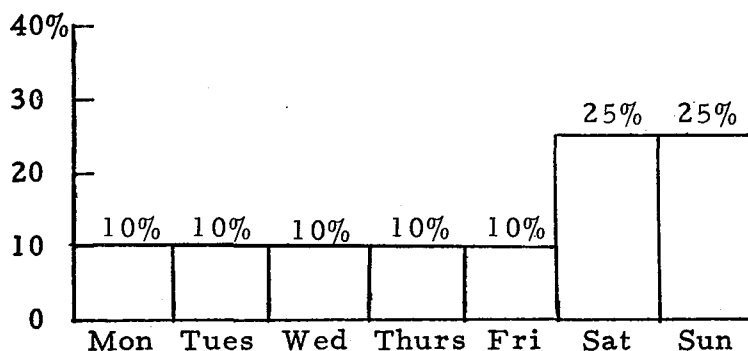
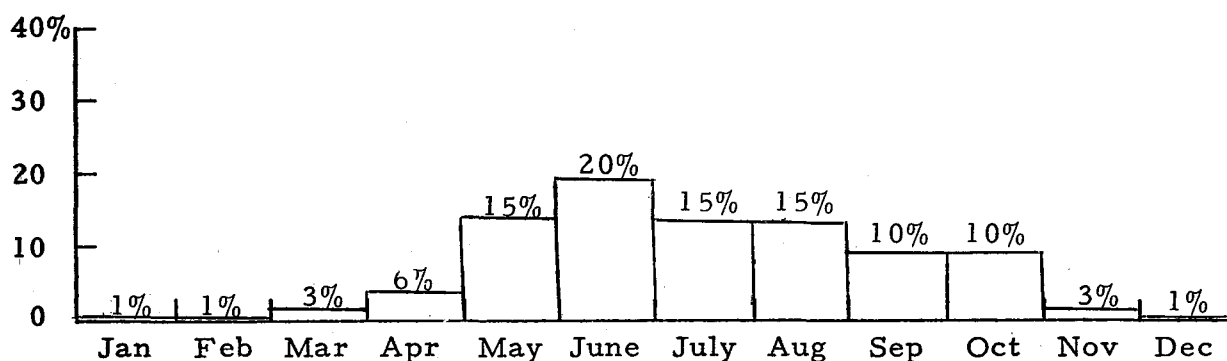


Peak Day = $25\% \div 4 \text{ weeks} = 6.25 \times 40\% = 2.5\%$ of Annual Demand

(a) This is the basic monthly distribution of annual participation for summer activities with the majority of demand for these activities (70 per cent) expected to occur on weekends.

DISTRIBUTION OF RESIDENT PARTICIPATION

NATURE STUDY(a)

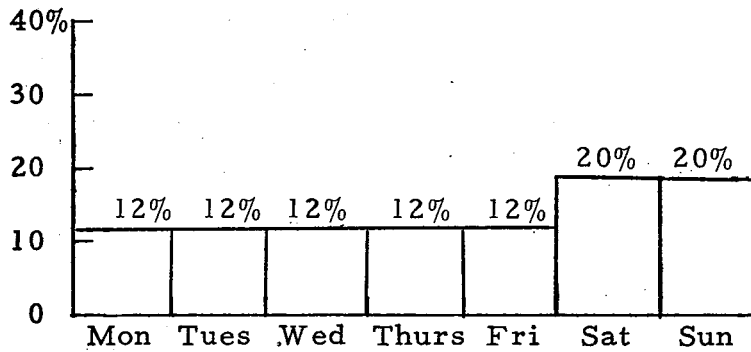
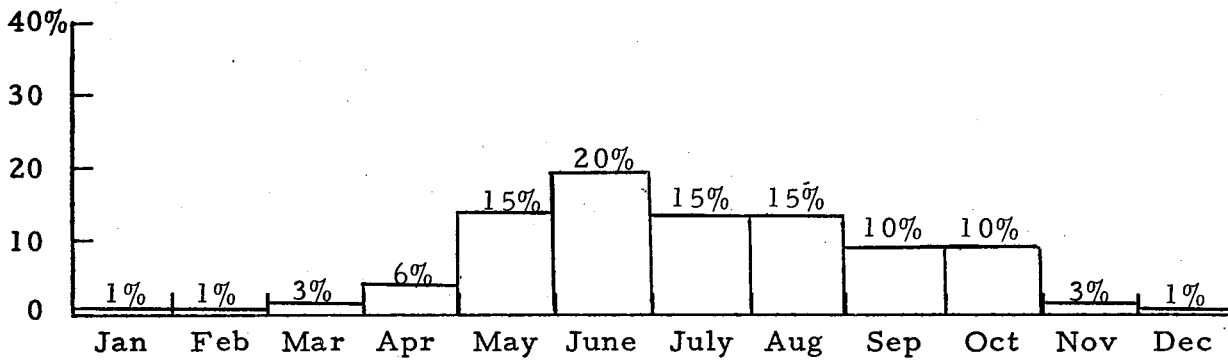


Peak Day = 20% ÷ 4 weeks = 5% x 25% = 1.25% of Annual Demand

- (a) Participation in Nature Study is believed to be more evenly distributed over the year and throughout the week than the basic summer activities.

DISTRIBUTION OF RESIDENT PARTICIPATION

WALKING FOR PLEASURE(a)

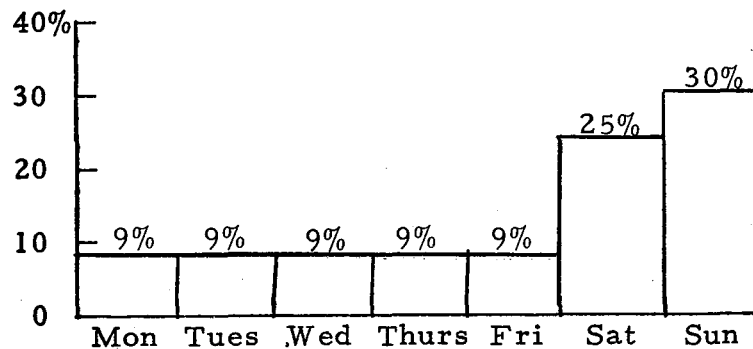
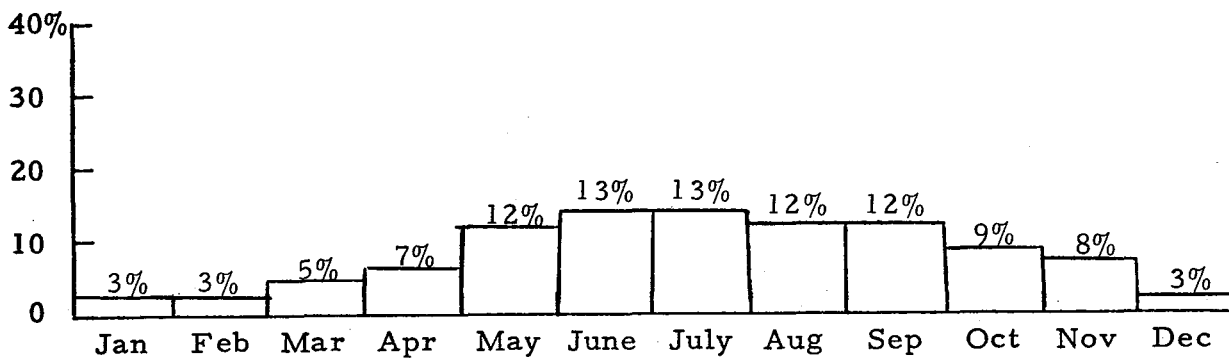


Peak Day = 20% ÷ 4 weeks = 5% x 20% = 1% of Annual Demand

- (a) Participation in Walking for Pleasure has the same monthly distribution as nature study; however, high neighborhood and daily participation suggests a more even distribution over the week.

DISTRIBUTION OF RESIDENT PARTICIPATION

DRIVING FOR PLEASURE(a)

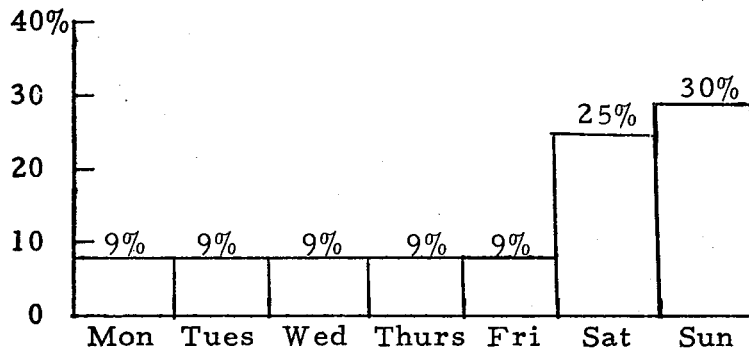
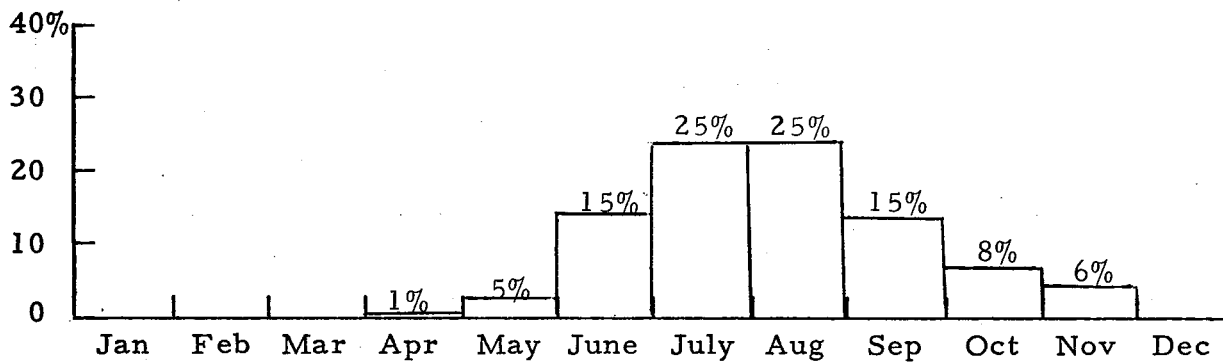


Peak Day = 13% ÷ 4 weeks = 3.25 x .30 = 1.00% of Annual Demand

- (a) Participation in Driving for Pleasure is assumed to be more evenly spread over the year than with summer activities, with an earlier peak in participation as residents take to the roads in the spring after the long winter months. Weekly participation is considered to be more evenly spread over the week than with summer activities, because of the ease of daily participation and longer daylight hours in summer.

DISTRIBUTION OF RESIDENT PARTICIPATION

PICNICKING(a)

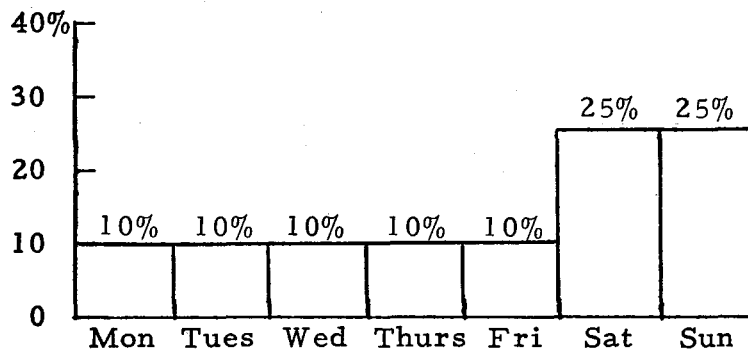
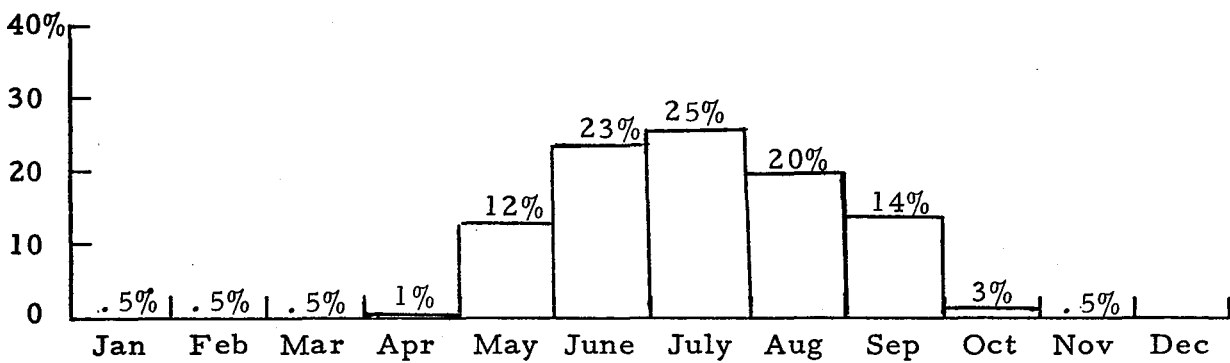


Peak Day = 25% ÷ 4 weeks = 6.25% x 30% = 1.88% of Annual Demand

- (a) This is basically a summer activity with the same spread over the month as other summer activities. However, participation in the Southwestern and Northwestern regions where residents are less tied to the 40 hour work week (ie. high rate of fishing employment etc.) tends to flatten the participation more evenly over the week than for other summer activities.

DISTRIBUTION OF RESIDENT PARTICIPATION

FISHING(a)

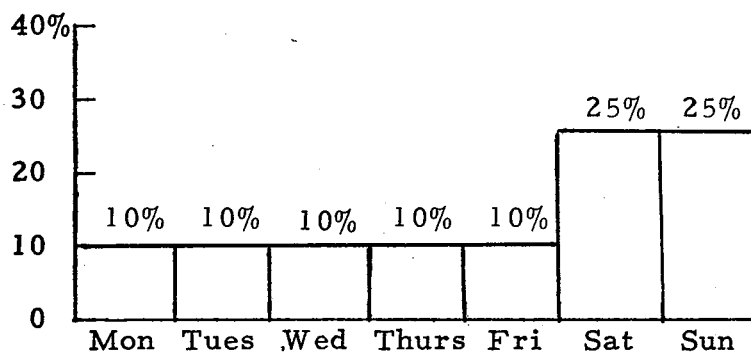
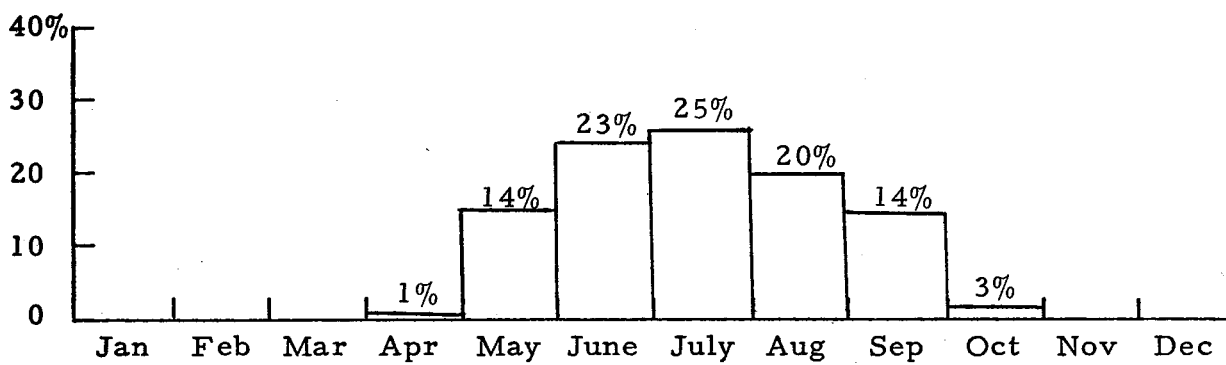


Peak Day = $25\% \div 4 = 6.25\% \times 25\% = 1.56\%$ of Annual Demand

- (a) The monthly distribution for this activity reflects summer activity concentrated in the fishing seasons with the weekly distribution reflecting high participation in Southwestern, Southeastern and Northwestern Alaska where participation is not tied so closely to the 40 hour work week.

DISTRIBUTION OF RESIDENT PARTICIPATION

BOATING(a)

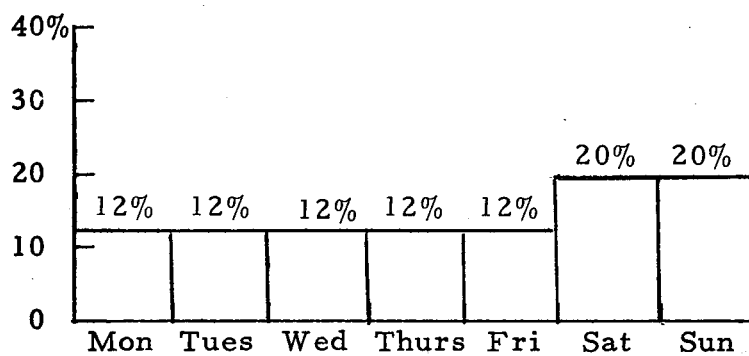
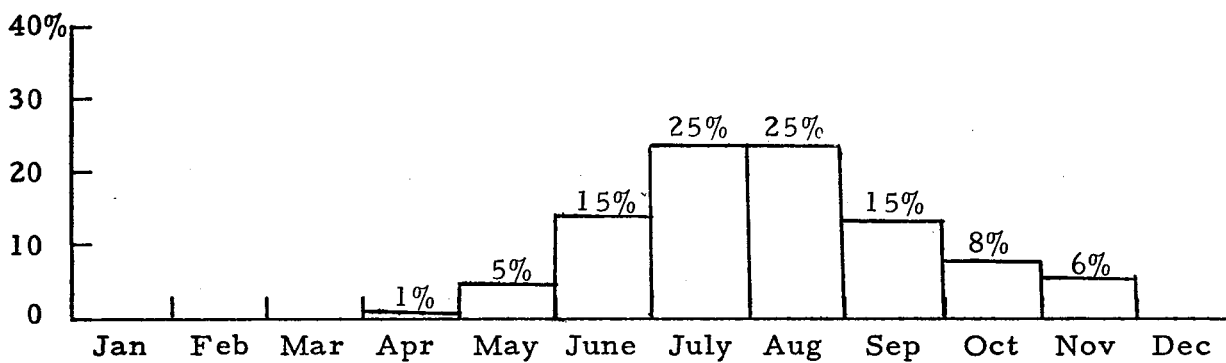


Peak Day = $25\% \div 4 = 6.25\% \times 25\% = 1.56\%$ of Annual Demand

- (a) Participation in this activity follows the same basic pattern as fishing, with a relatively flat weekly distribution due to participation in Southeastern and Southwestern Alaska where residents are generally not tied to the 40 hour work week.

DISTRIBUTION OF RESIDENT PARTICIPATION

SWIMMING AND BICYCLING(a)

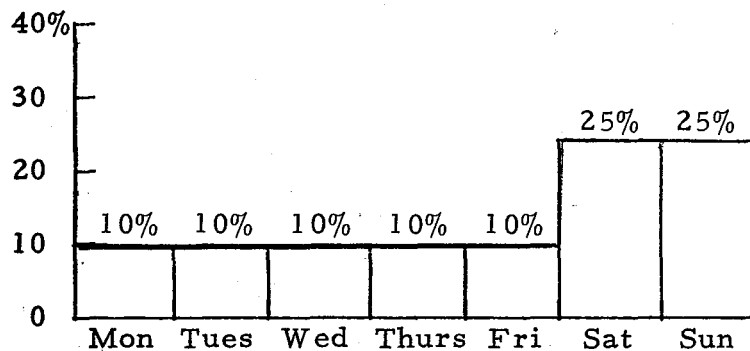
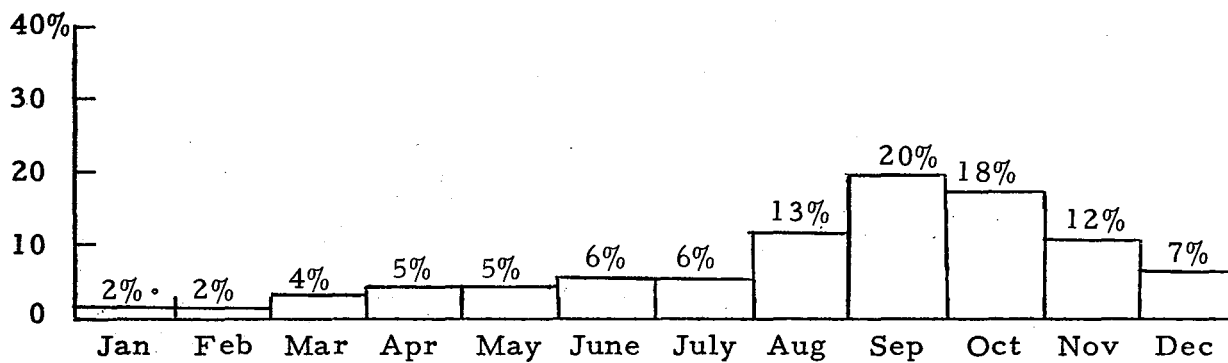


Peak Day = $25\% \div 4 = 6.25 \times 20\% = 1.25\%$

- (a) The monthly distribution for these activities is the same as summer activities; however, the high percentage of children participating, plus long summer days, tend to spread daily participation over the week, especially during summer vacations.

DISTRIBUTION OF RESIDENT PARTICIPATION

HUNTING(a)

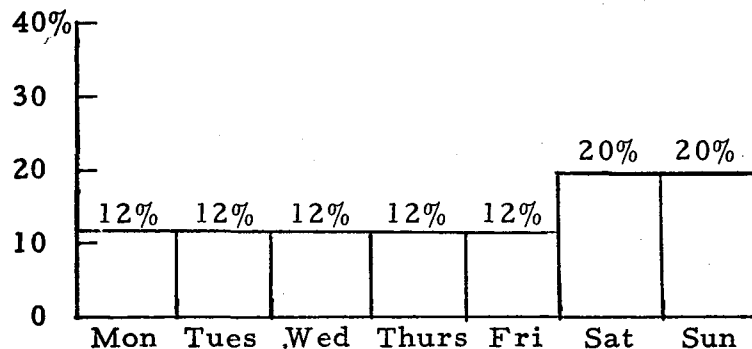
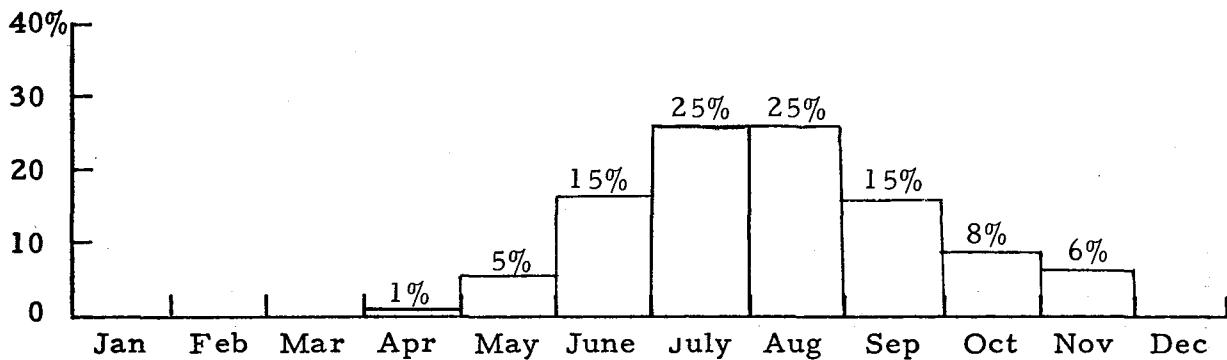


Peak Day = $20\% \div 4 = 5\% \times 25\% = 1.25\%$ of Annual Demand

- (a) The monthly distribution for this activity tends to follow hunting seasons, with peaks near season opening. Participation during the week, however, is spread evenly due to volume of hunting in the Southwestern and Northwestern regions and hunting on trips and vacations.

DISTRIBUTION OF RESIDENT PARTICIPATION

MOTOR CYCLING(a) AND OUTDOOR GAMES AND SPORTS(b)

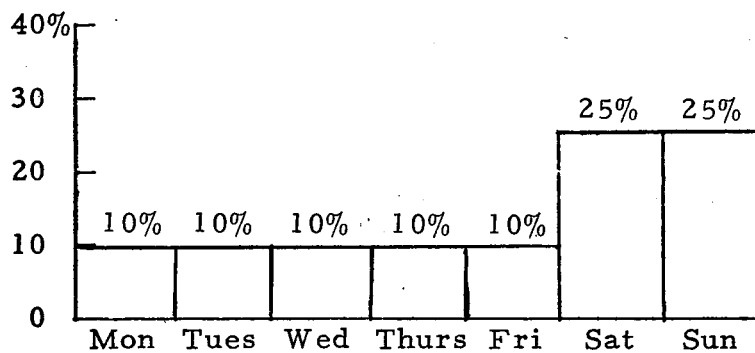
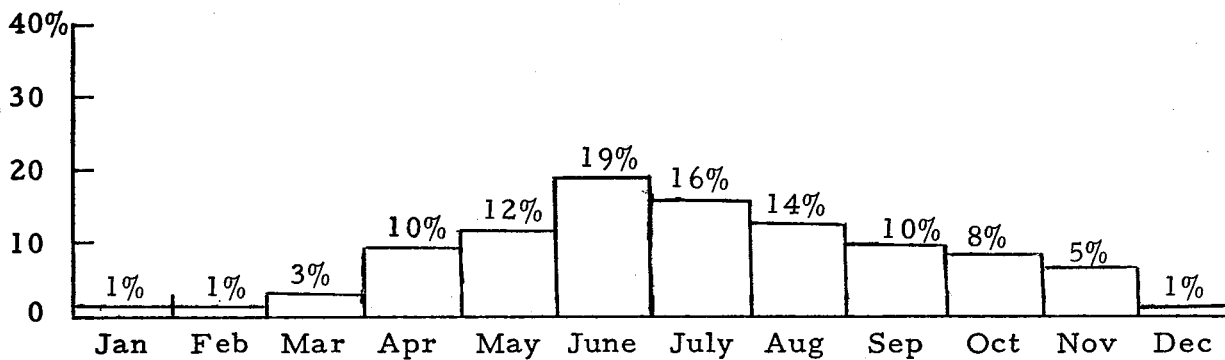


Peak Day = 25% ÷ 4 = 6.25% x 20% = 1.25% of Annual Demand

- (a) Participation in motor cycling follows the same basic monthly pattern as summer activities; however, there is a more even distribution over the week due to high participation by college and high school age residents and the high participation by residents of Southwestern Alaska.
- (b) For Outdoor games and sports, high participation by younger residents tends to flatten the weekly distribution of participation. Moreover, the income levels and professions (ie, high income professional people, military and students) of participants suggest they are less tied to a 40 hour work week and therefore, are more available to participate in golf, tennis, and other outdoor games and sports.

DISTRIBUTION OF RESIDENT PARTICIPATION

FLYING FOR PLEASURE(a)

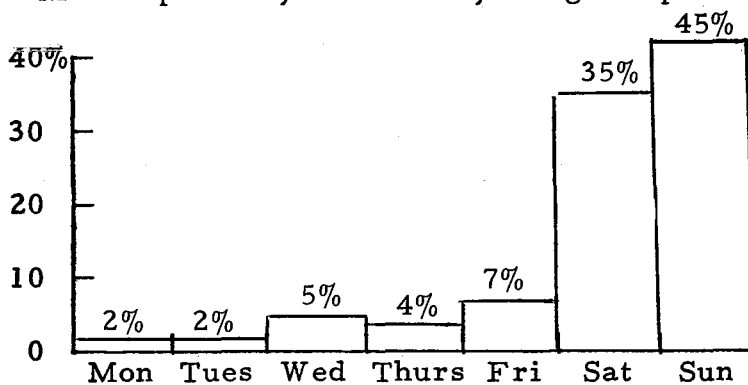
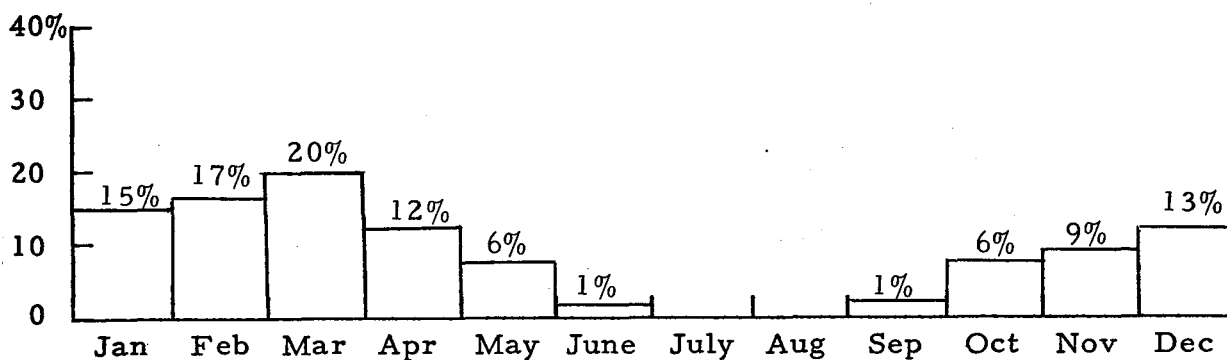


Peak Day = $19\% \div 4 = 4.75\% \times 25\% = 1.19\%$ of Annual Demand

- (a) Distribution of participation in this activity is based in part on flying statistics from the Federal Aviation Agency showing the monthly distribution of general aviation flight operations. These indicated that participation was more evenly spread over the year than participation in summer activities. Higher week day participation is based upon heavy participation by residents of Southwestern Alaska and by individuals with higher incomes, both of whom are not tied so closely to the 40 hour work week.

DISTRIBUTION OF RESIDENT PARTICIPATION

WINTER SEASONAL ACTIVITIES
SNOW PLAY AND ALPINE SKIING(a)

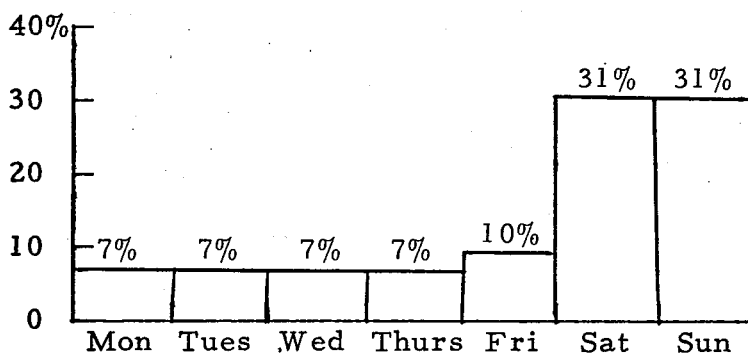
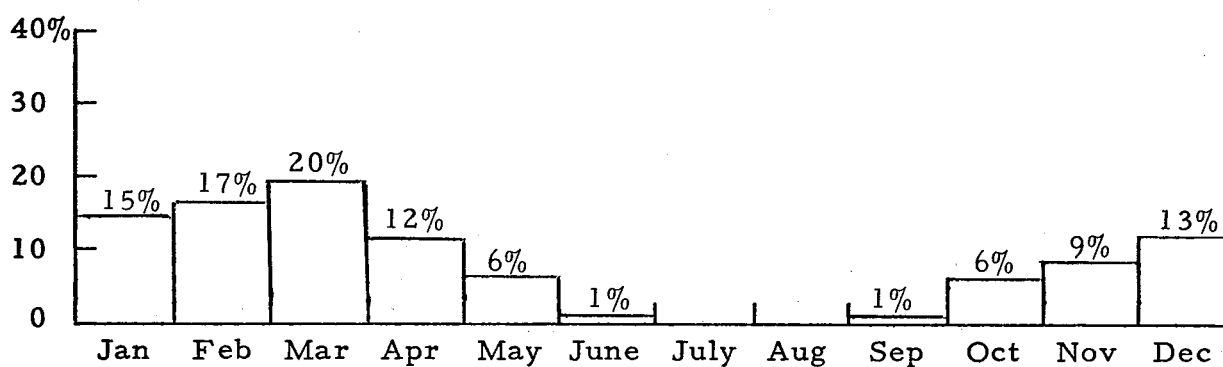


Peak Day = $20\% \div 4 = 5\% \times 45\% = 2.25\%$ of Annual Demand

- (a) This is the basic monthly distribution of annual participation for winter activities, with the majority of weekly demand (75 per cent) expected to occur on weekends.

DISTRIBUTION OF RESIDENT PARTICIPATION

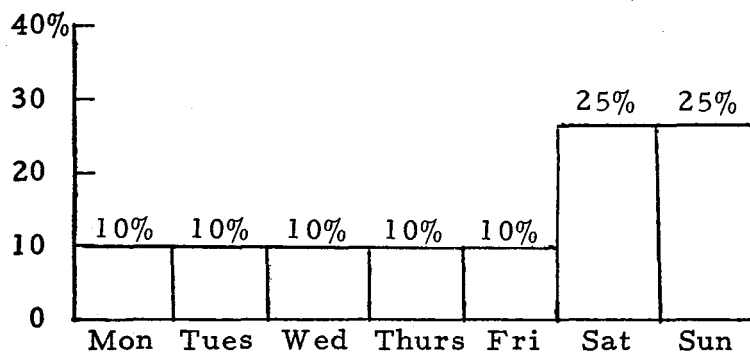
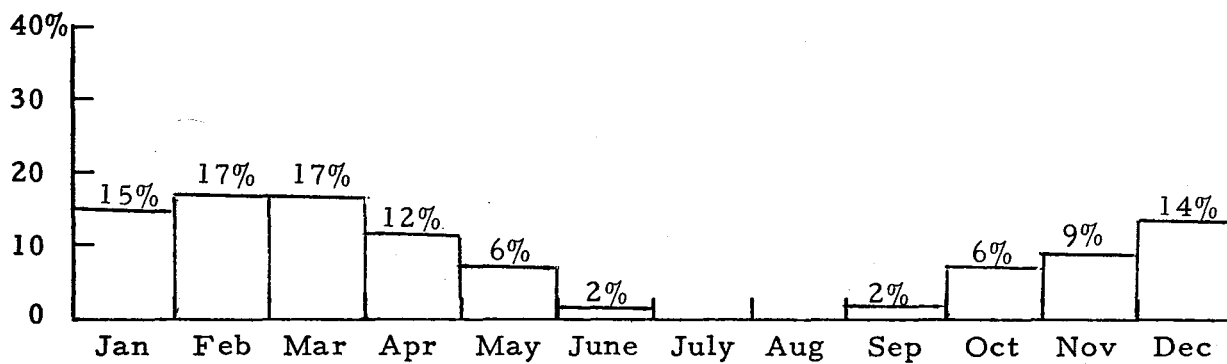
ICE SKATING AND CROSS COUNTRY SKIING(a)



Peak Day = $20\% \div 4 = 5\% \times 31\% = 1.55\%$

- (a) Participation in these activities follows the same basic monthly pattern as other winter activities, with a relatively flatter spread over the week due to higher participation levels of school age children.

DISTRIBUTION OF RESIDENT PARTICIPATION
SNOW MOBILING AND DOG SLEDDING(a)



Peak Day = $17\% \div 4 = 4.25\% \times 25\% = 1.04\%$ of Annual Demand

(a) Long winter months plus large Native participation tend to spread demand somewhat more evenly over the winter and peak month week.

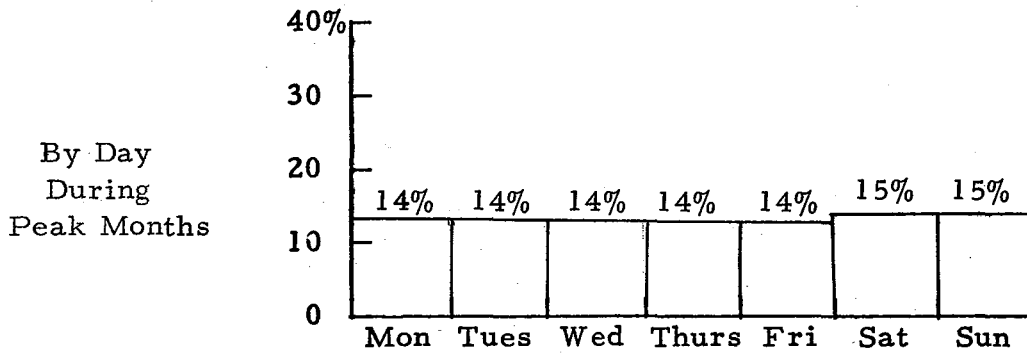
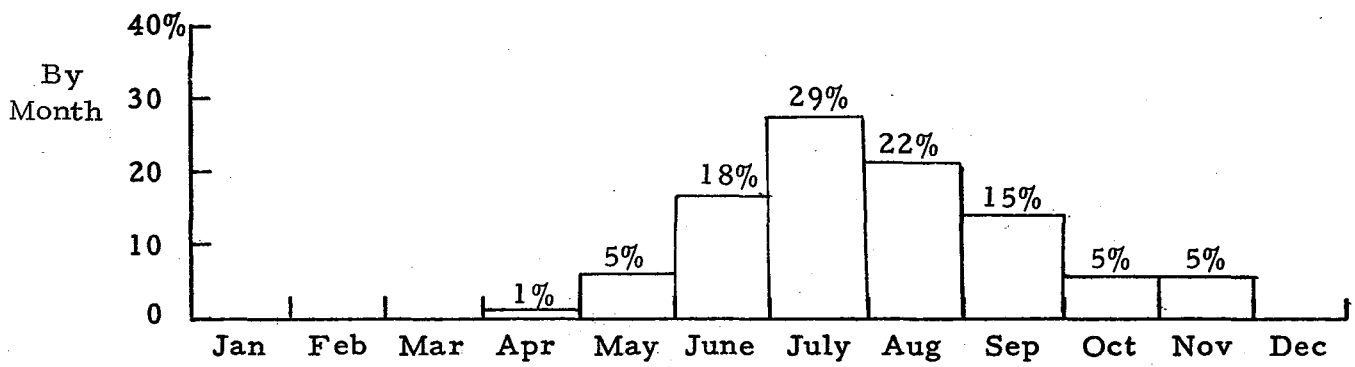
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

REGIONAL ALLOCATION OF TOTAL ANNUAL DEMAND: PICNICKING

Region	1 Mean Participation Rate (Days)	2 Relative Weight By Region	3 Statewide Av- erage Annual Participation Days Per Tourist	4 Persons In Sample Indi- cating Parti- cipation In Each Region	5 Weighting Factor	6 Per Cent Of Column 5 Total	7 Total Participation Days 1967	8 Region Non Resident Demand
Southeastern	5.16	.20	2.1	82	34.4	.208	182,000	38,000
Southcentral	5.15	.20	2.1	169	71.0	.433	182,000	78,000
Southwestern	5.00	.19	2.1	7	2.8	.016	182,000	3,000
Interior	4.59	.18	2.1	144	54.4	.329	182,000	60,000
Northwestern	<u>6.00</u>	<u>.23</u>	<u>2.1</u>	<u>5</u>	<u>2.4</u>	<u>.014</u>	<u>182,000</u>	<u>3,000</u>
Total	25.90	1.00	2.1	407	165.0	1.000	-	182,000

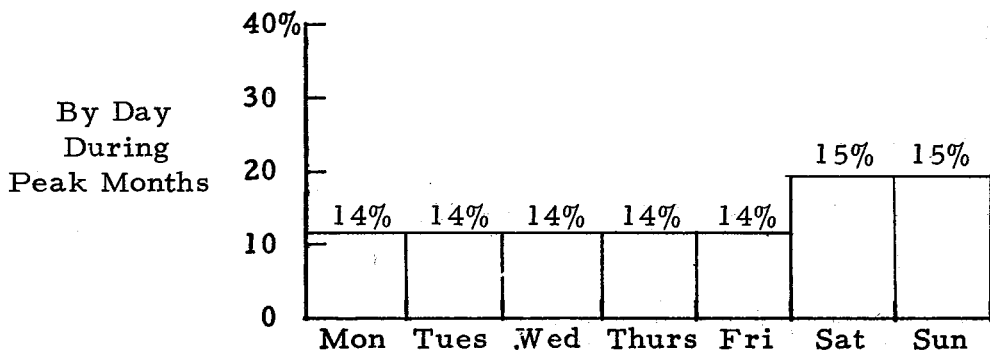
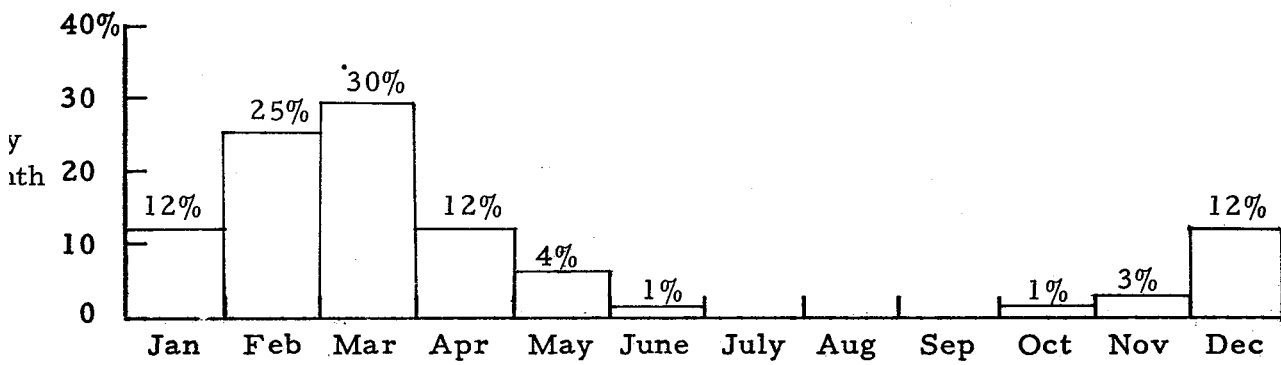
DISTRIBUTION OF NONRESIDENT PARTICIPATION

SUMMER SEASON ACTIVITIES



DISTRIBUTION OF NONRESIDENT PARTICIPATION

WINTER SEASON ACTIVITIES



COMPARISON OF PROJECTED U. S.
GROWTH RATES IN PARTICIPATION PER CAPITA
WITH THOSE OF ALASKA

Activity	1967 Annual Participation		Expected Percentage Increases					
	Days Per Capita (a)		Annual Participation Days Per Capita (b)					
	U.S.	Alaska	1967-1975		1967-1980		1967-2000	
	U.S.	Alaska	U.S.	Alaska	U.S.	Alaska	U.S.	Alaska
Trail Related Activities								
Walking For Pleasure	7.4	27.5	8%	3%	14%	5%	41%	10%
Nature Study	.8	8.5	0	0	13	13	38	38
Bicycling	3.3	7.1	3	3	3	3	6	6
Hiking	.4	2.7	25	28	25	28	50	55
Snowmobiling	NA	4.5	NA	33	NA	33	NA	45
Motorcycling	NA	5.4	NA	10	NA	16	NA	28
Snowshoeing	NA	1.3	NA	3	NA	5	NA	10
Canoeing	NA	.8	NA	20	NA	20	NA	40
Horseback Riding	.5	.7	20	20	20	20	40	40
Dogsledding	NA	.9	NA	0	NA	0	NA	0
Cross Country Skiing	NA	.5	NA	15	NA	35	NA	75
Mountain Climbing	NA	.17	NA	0	NA	13	NA	38
Outdoor Games And Sports	7	6	18	15	28	22	74	63
Alpine Skiing	NA	1	NA	15	NA	35	NA	75
Snowplay	NA	2	NA	8	NA	12	NA	20
Driving For Pleasure	7	24	10	10	16	16	28	28
Picnicking	3	12	6	6	12	12	24	24

COMPARISON OF PROJECTED U.S.
GROWTH RATES IN PARTICIPATION PER CAPITA
WITH THOSE OF ALASKA

Activity	1967 Annual Participation		Expected Percentage Increases In					
	Days Per Capita(a)		Annual Participation Days Per Capita(b)					
	U.S.	Alaska	1967-1975		1967-1980		1967-2000	
			U.S.	Alaska	U.S.	Alaska	U.S.	Alaska
Sightseeing	3	23	12	12	18	18	48	48
Camping	1	5	14	14	29	29	86	86
Hunting	NA	7	NA	8	NA	12	NA	20
Boating	2	9	11	15	24	30	65	75
Fishing	2	12	0	10	0	14	0	20
Ice Skating	NA	3	NA	8	NA	12	NA	20
Swimming	7	8	15	15	26	26	57	57
Flying For Pleasure	NA	2	NA	8	NA	15	NA	30

(a) National rates are for population 12 years and older; Alaska rates include total population.

(b) National statistics are derived from Bureau of Outdoor Recreation publication, Outdoor Recreation Trends.

NA = Data Not Available

FORECAST OF NONRESIDENT
OUTDOOR RECREATION DEMAND, 1967-2000(a)

<u>ACTIVITY</u>	<u>TOTAL PARTICIPATION DAYS</u>			
	<u>1967</u>	<u>1975</u>	<u>1980</u>	<u>2000</u>
Picnicking	182,000	415,000	556,000	1,785,000
Camping	398,000	907,000	1,215,000	3,900,000
Sightseeing	841,000	1,917,000	2,569,000	8,246,000
Driving For Pleasure	329,000	750,000	1,005,000	3,226,000
Walking For Pleasure	182,000	415,000	556,000	1,785,000
Hunting	51,000	117,000	156,000	501,000
Fishing	113,000	258,000	346,000	1,111,000
Boating	44,000	100,000	134,000	430,000
Swimming	9,000	21,000	28,000	90,000
Hiking	4,000	9,000	12,000	39,000
Alpine Skiing	4,000	9,000	12,000	39,000
Ice Skating	1,000	2,000	3,000	10,000
Sledding	1,000	2,000	3,000	10,000

(a) 1967-1975 growth rate 10.8 per cent per year.
 1975-1980 growth rate 6 per cent per year.
 1980-2000 growth rate 6 per cent per year.

FORECASTED NEEDS FOR SELECTED
ACTIVITIES

The attached exhibits present regional forecasts of needs for developed areas and facilities to 1975, 1980 and the year 2000, for those activities for which standards or similar approaches were developed. These include:

- Trail-related activities (bicycling, hiking, snowmobiling, canoeing, horseback riding and cross-country skiing)
- Picnicking
- Boating
- Camping (in developed areas)
- Swimming (ocean, lake, stream or pond)
- Outdoor games and sports (including golf and tennis)
- Ice skating
- Alpine skiing.

As can be seen from the format of the exhibits, the basic approach involved comparing the 1967 supply (in peak or average day capacity) with the forecasts of peak or average day demand by residents (and by nonresidents, where data were available) for 1967, 1975, 1980, and the year 2000. Where a portion of the total demand was not expected to require facilities (for example, in the case of picnicking, where many picnics

occur in a natural environment and do not require facilities), the demand was adjusted downward to reflect this factor. Explanations of the basis for these adjustments are shown as footnotes on the individual exhibits.

The difference between the supply and the demand requiring facilities represents the needs in terms of demand days on a peak seasonal day. Using the use standards presented in Chapter VI, these needs were converted to units of developed area such as a mile of trail or an acre of developed ski area. These calculated needs for developed areas or facilities in turn were multiplied by the expected cost per unit on the basis of the cost standards (also explained in Chapter VI), to obtain estimates of total costs to meet the identified needs in 1967 and 1975. Cost estimates were not calculated for 1980 and the year 2000, however, because it was felt that by that time inflation, as well as other changes in transportation, construction techniques etc., would make these estimates meaningless.

Note: D. D. on all exhibits means Demand Day.

Region	1967		Per Cent Demand Requiring Facilities(a)	Total 1967		Units Per Demand Day	1967 Units Needed	Cost Per Unit(b)	Cost To Satisfy Demand
	Supply (D. D.)	Total 1967 Demand (D. D.)		Demand Requiring Facilities (D. D.)	1967 Need (D. D.)				
Southeastern	0	4,100	12.8%	525	525	.0667 mi.	35 mi.	\$7,500	\$ 262,500
Southcentral	24	12,000	12.8	1,536	1,512	.0667 mi.	101 mi.	7,500	757,500
Southwestern	0	2,400	12.8	307	307	.0667 mi.	20 mi.	7,500	150,000
Interior	0	4,800	12.8	614	614	.0667 mi.	41 mi.	7,500	307,500
Northwestern	0	1,300	12.8	166	166	.0667 mi.	11 mi.	7,500	82,500
State	24	24,600	12.8	3,148	3,136	.0667 mi.	208 mi.	\$7,500	\$1,560,000

Region	1975		Per Cent Demand Requiring Facilities	Total 1975		1975 Units By 1975	1975 Add'l. Units	1967 Cost Per Unit	Total 1975 Cost
	Demand (D. D.)	Total 1975 Demand (D. D.)		Demand Requiring Facilities (D. D.)	1975 Need (D. D.)				
Southeastern	4,900		12.8%	627	627	42 mi.		\$7,500	\$ 315,000
Southcentral	15,600		12.8	1,997	1,973	132 mi.		7,500	990,000
Southwestern	2,600		12.8	333	333	22 mi.		7,500	165,000
Interior	5,600		12.8	717	717	48 mi.		7,500	360,000
Northwestern	1,500		12.8	192	192	13 mi.		7,500	97,500
State	30,200		12.8	3,866	3,842	257 mi.		\$7,500	\$1,927,500

Region	1980		12.8% Req. Facil. (D. D.)	1980 Need (D. D.)	Units Per D. D.	Add'l. Units By 1980	2000		2000 Units Per (D. D.)	Add'l. Units By 2000
	Demand (D. D.)	Total 1980 Demand (D. D.)					Demand (D. D.)	12.8% Req. Facil. (D. D.)		
Southeastern	5,500	704	704	.0667 mi.	47 mi.	8,300	1,062	1,062	.0667 mi.	71
Southcentral	17,600	2,253	2,229	.0667 mi.	149 mi.	30,300	3,878	3,854	.0667 mi.	257
Southwestern	2,800	358	358	.0667 mi.	24 mi.	3,400	435	435	.0667 mi.	29
Interior	6,100	781	781	.0667 mi.	52 mi.	8,500	1,088	1,088	.0667 mi.	73
Northwestern	1,600	205	205	.0667 mi.	14 mi.	2,300	294	294	.0667 mi.	20
State	33,600	4,301	4,277	.0667 mi.	286 mi.	52,800	6,757	6,733	.0667 mi.	450 mi.

(a) 7% all bicycling is on trips, outings and vacations; 93% in neighborhoods. Assume 50% of nonneighborhood participation requires trail (i.e. 50% x 7% = 3.5%) and 10% of neighborhood participation requires trail (i.e. 10% x 93% = 9.3%)
 3.5 + 9.3 = 12.8%.

(b) Cost of 4,000/mi. for development; \$4,800/mi. for acquisition; thus the city development may require acquisition of land. Neighborhood development is 73% of total for which facilities will be needed (i.e. 9.3 ÷ 12.8 = 73%)
 (73% x \$8800 = \$6424)+(27% x \$4000 = \$1080) = \$7504.

HIKING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit	Satisfy Demand
Southeastern	600	3,800	.50%	1,900	1,300	.0667 mi.	87 mi.	\$4,000	\$ 348,000
Southcentral	852	10,400	.50	5,200	4,348	.0667 mi.	290 mi.	4,000	1,160,000
Southwestern	168	1,600	.50	800	632	.0667 mi.	42 mi.	4,000	168,000
Interior	324	2,400	.50	1,200	876	.0667 mi.	58 mi.	4,000	232,000
Northwestern	-	400	.50	200	200	.0667 mi.	13 mi.	4,000	52,000
State	1,944	18,600	.50	9,300	7,356	.0667 mi.	490 mi.	\$4,000	\$1,960,000

Region	1975	Per Cent	Total 1975	1975	1967	Total 1975 Cost
	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Units By Add'l. 1975	
Southeastern	5,600	.5%	2,800	2,200	147 mi.	\$ 588,000
Southcentral	16,800	.5	8,400	7,548	503 mi.	2,012,000
Southwestern	2,200	.5	1,100	932	62 mi.	248,000
Interior	3,500	.5	1,750	1,426	95 mi.	380,000
Northwestern	600	.5	300	300	20 mi.	80,000
State	28,700	.5	14,350	12,406	827 mi.	\$3,308,000

Region	1980	5%	1980	Units	Add'l.	2000	5%	2000	Units	Add'l.
	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per D. D.	Units By 1980	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per (D. D.)	Units By 2000
Southeastern	6,300	3,150	2,550	.0667 mi.	170 mi.	11,200	5,600	5,000	.0667 mi.	334 mi.
Southcentral	18,900	9,450	8,598	.0667 mi.	573 mi.	38,400	19,200	18,348	.0667 mi.	1,224 mi.
Southwestern	2,300	1,150	982	.0667 mi.	65 mi.	3,300	1,650	1,482	.0667 mi.	99 mi.
Interior	3,800	1,900	1,576	.0667 mi.	105 mi.	6,200	3,100	2,776	.0667 mi.	185 mi.
Northwestern	600	300	300	.0667 mi.	20 mi.	1,000	500	500	.0667 mi.	33 mi.
State	31,900	15,950	14,006	.0667 mi.	933 mi.	60,100	30,050	28,106	.0667 mi.	1,875 mi.

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities(a)	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit (b)	Satisfy Demand
Southeastern	18	100	.90%	90	72	.0667	5 mi.	\$8,800	\$ 44,000
Southcentral	1,836	2,700	.90	2,430	594	.0667	40 mi.	8,800	352,000
Southwestern	0	5,600	.10	560	560	.0667	37 mi.	8,800	325,600
Interior	300	1,000	.90	900	600	.0667	40 mi.	8,800	352,000
Northwestern	-	3,600	.10	360	360	.0667	24 mi.	8,800	211,200
State	2,154	13,000	-	4,340	2,186	.0667	146 mi.	\$8,800	\$1,284,800

Region	1975	Per Cent	Total 1975	1975	1975	1967	Total 1975 Cost
	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Units By 1975	Cost Per Unit	
Southeastern	200	.90%	180	162	11 mi.	\$8,800	\$ 96,800
Southcentral	4,500	.90	4,050	2,214	148 mi.	8,800	1,302,400
Southwestern	8,000	.10	800	800	53 mi.	8,800	466,400
Interior	1,500	.90	1,350	1,050	70 mi.	8,800	616,000
Northwestern	5,300	.10	530	530	35 mi.	8,800	308,000
State	19,500		6,910	4,756	317 mi.	\$8,800	\$2,789,600

Region	1980	1980	1980	Units	Add'l.	2000	2000	2000	Units	Add'l.
	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per D. D.	Units By 1980	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per (D. D.)	Units By 2000
Southeastern	200	180	162	.0667 mi.	11 mi.	300	270	252	.0667 mi.	17 mi.
Southcentral	5,100	4,590	2,754	.0667 mi.	184 mi.	9,300	8,370	6,534	.0667 mi.	436 mi.
Southwestern	8,300	830	830	.0667 mi.	55 mi.	11,000	1,100	1,100	.0667 mi.	73 mi.
Interior	1,600	1,440	1,140	.0667 mi.	76 mi.	2,400	2,160	1,860	.0667 mi.	124 mi.
Northwestern	5,700	570	570	.0667 mi.	38 mi.	8,600	860	860	.0667 mi.	57 mi.
State	20,900	7,610	5,456	.0667 mi.	364 mi.	31,600	12,760	10,606	.0667 mi.	707 mi.

- (a) 96% reported snow mobiling is "neighborhood." Suggests a prime need for trails to avoid conflicts with nonmotorized trail users. In Northwest and Southwest, access to open country, particularly tundra, can satisfy the biggest part of the demand.
- (b) Assume land cost important in all snowmobile trail development due to need for land in and near to cities and villages.

CANOEING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit	Satisfy Demand	
Southeastern	0	700	75%	525	525	.0667 mi.	35 mi.	\$500 mi.	\$17,500	
Southcentral	1,392	2,300	75	1,725	333	.0667 mi.	22 mi.	500 mi.	11,000	
Southwestern	0	600	75	450	450	.0667 mi.	30 mi.	500 mi.	15,000	
Interior	822	1,600	75	1,200	378	.0667 mi.	25 mi.	500 mi.	12,500	
Northwestern	180	100	75	75	(105)	.0667 mi.	-	500 mi.	-	
State	2,394	5,300	75%	3,975	1,686	.0667 mi.	112 mi.	\$500 mi.	\$56,000	
Region	1975 Demand (D. D.)	Per Cent Demand Requiring Facilities		Total 1975 Demand Requiring Facilities (D. D.)	1975 Need (D. D.)	1975 Add'l. Units By 1975	1967 Cost Per Unit	Total 1975 Cost		
Southeastern	1,000	75%		750	750	50 mi.	\$500 mi.	\$25,000		
Southcentral	3,500	75		2,625	1,233	82 mi.	500 mi.	41,000		
Southwestern	800	75		600	600	40 mi.	500 mi.	20,000		
Interior	2,200	75		1,650	828	55 mi.	500 mi.	27,500		
Northwestern	100	75		75	(105)	-	500 mi.	-		
State	7,600	75%		5,700	3,411	227 mi.	\$500 mi.	\$113,500		
Region	1980 Demand (D. D.)	1980 Req. Facil.	1980 Need (D. D.)	Units Per D. D.	Add'l. Units By 1980	2000 Demand (D. D.)	2000 Req. Facil.	2000 Need (D. D.)	Units Per (D. D.)	Add'l. Units By 2000
Southeastern	1,100	825	825	.0667 mi.	55 mi.	1,900	1,425	1,900	.0667 mi.	127 mi.
Southcentral	3,900	2,925	1,533	.0667 mi.	102 mi.	7,700	5,775	4,383	.0667 mi.	292 mi.
Southwestern	800	600	600	.0667 mi.	40 mi.	1,100	825	1,100	.0667 mi.	73 mi.
Interior	2,400	1,800	978	.0667 mi.	65 mi.	3,200	2,400	1,578	.0667 mi.	105 mi.
Northwestern	100	75	(105)	.0667 mi.	-	200	150	(30)	.0667 mi.	-
State	8,300	6,225	3,936	.0667 mi.	262 mi.	14,100	10,575	8,961	.0667 mi.	597 mi.

(a) Given use of lakes for this activity - assume 75%.

HORSEBACK RIDING

<u>Region</u>	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit	Satisfy Demand
Southeastern	234	200	.5%	100	(134)	.0667 mi.	-	\$4,000	-
Southcentral	390	3,900	.5	1,950	1,560	.0667 mi.	104 mi.	4,000	\$416,000
Southwestern	-	100	.5	50	50	.0667 mi.	3 mi.	4,000	12,000
Interior	42	800	.5	400	358	.0667 mi.	24 mi.	4,000	96,000
Northwestern	-	-	.5	-	-	.0667 mi.	-	-	-
State	666	5,000	.5%	2,500	1,968	.0667 mi.	131 mi.	\$4,000	\$524,000

<u>Region</u>	1975	Per Cent	Total 1975	1975	Add'l.	1967	Total
	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Units By 1975	Cost Per Unit	1975 Cost
Southeastern	300	50%	150	(84)	-	\$4,000	\$ -
Southcentral	5,900	50	2,950	2,560	170 mi.	4,000	680,000
Southwestern	100	50	50	50	3 mi.	4,000	12,000
Interior	900	50	450	408	27 mi.	4,000	108,000
Northwestern	-	50	-	-	-	4,000	-
State	7,200	50%	3,600	3,018	200 mi.	\$4,000	\$800,000

<u>Region</u>	1980	1980	1980	Units	Add'l.	2000	2000	2000	Units	Add'l.
	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per D. D.	Units By 1980	Demand (D. D.)	Req. Facil.	Need (D. D.)	Per (D. D.)	Units By 2000
Southeastern	300	150	(84)	.0667 mi.	-	500	250	16	.0667 mi.	1 mi.
Southcentral	6,600	3,300	2,910	.0667 mi.	191 mi.	13,000	6,500	6,110	.0667 mi.	408 mi.
Southwestern	100	50	50	.0667 mi.	3 mi.	200	100	100	.0667 mi.	7 mi.
Interior	1,200	600	558	.0667 mi.	37 mi.	1,900	950	908	.0667 mi.	61 mi.
Northwestern	-	-	-	.0667 mi.	-	100	50	50	.0667 mi.	3 mi.
State	8,200	4,100	3,518	.0667 mi.	234 mi.	15,700	7,850	7,184	.0667 mi.	480 mi.

CROSS COUNTRY SKIING

Region	Total 1967		Per Cent Demand Requiring Facilities(a)	Demand Requiring Facilities (D. D.)	1967 Need (D. D.)	Units Per Demand Day	1967 Needed Units (b)	Cost Per Unit	Cost To Satisfy Demand
	1967 Supply (D. D.)	Total 1967 Demand (D. D.)							
Southeastern	42	200	90%	180	138	.0667	9 mi.	\$8,800	\$ 79,200
Southcentral	1,746	1,300	90	1,170	(576)	.0667	-	8,800	-
Southwestern	-	400	10	40	40	.0667	3 mi.	8,800	26,400
Interior	114	100	90	90	(24)	.0667	-	8,800	-
Northwestern	-	400	10	40	40	.0667	3 mi.	8,800	26,400
State	1,902	2,400		1,520	218	.0667	15 mi.	\$8,800	\$132,000

Region	1975		Per Cent Demand Requiring Facilities(a)	Total 1975 Demand Requiring Facilities (D. D.)	1975 Need (D. D.)	1975 Add'l. Units By	1967 Cost Per Unit	Total 1975 Cost
	Demand (D. D.)	Demand						
Southeastern	300		90%	270	228	15 mi.	\$8,800	\$132,000
Southcentral	1,900		90	1,710	(36)	-	8,800	-
Southwestern	500		10	50	50	3 mi.	8,800	26,400
Interior	100		90	90	(24)	-	8,800	-
Northwestern	400		10	40	40	3 mi.	8,800	26,400
State	3,200			2,160	318	21 mi.	\$8,800	\$184,800

Region	1980		1980 Need (D. D.)	Units Per D. D.	Add'l. Units By 1980	2000		2000 Need (D. D.)	Units Per (D. D.)	Add'l. Units By 2000
	Demand (D. D.)	1980 Req. Facil.				Demand (D. D.)	2000 Req. Facil.			
Southeastern	400	360	318	.0667 mi.	21 mi.	700	630	588	.0667 mi.	39 mi.
Southcentral	2,500	2,250	504	.0667 mi.	34 mi.	5,400	4,860	3,114	.0667 mi.	208 mi.
Southwestern	600	60	60	.0667 mi.	4 mi.	900	90	90	.0667 mi.	6 mi.
Interior	200	180	66	.0667 mi.	4 mi.	300	270	156	.0667 mi.	10 mi.
Northwestern	600	60	60	.0667 mi.	4 mi.	1,100	110	110	.0667 mi.	7 mi.
State	4,300	2,910	1,008	.0667 mi.	67 mi.	8,400	5,960	4,058	.0667 mi.	270 mi.

(a) 87% reported participation is in neighborhoods.

(b) Assume land cost important in all cross-country ski trail development due to need for land in and near cities and villages.

FISHING AND BOATING

ESTIMATED NEEDS TO 1975, 1980 AND 2000

Launch Ramps

Region	Existing Facilities	Percentage Increase(a) To 1975	Additional Needs By 1975	Cost/Unit		Percentage Increase(a) To 1980	Number Needed 1980	Percentage Increase(a) To 2000	Number Needed 2000
				For Added Ramps	Est. Cost To 1975				
Southeastern	21	24%	5	\$ 30,000	\$ 150,000	62%	13	191%	40
Southcentral	57(b)	44	25	30,000	750,000	77	44	263	150
Southwestern	0(5)(a)	24	6	30,000	180,000	38	7	106	10
Interior	29(b)	30	9	30,000	270,000	53	15	155	45
Northwestern	0(5)(a)	28	6	30,000	180,000	48	7	148	12
Statewide	107(117)(a)	33%	51	\$ 30,000	\$ 1,530,000	62%	86	198%	257

Slips And Moorings

Region	Existing Facilities	Percentage Increase(a) To 1975	Additional Needs By 1975	Cost/Unit		Percentage Increase(a) To 1980	Number Needed 1980	Percentage Increase(a) To 2000	Number Needed 2000
				For Added Slips And Moorings	Est. Cost To 1975				
Southeastern	2,267	24%	544	\$ 1,000	\$ 544,000	62%	1,406	191%	4,330
Southcentral	950	44	418	1,000	418,000	77	732	263	2,499
Southwestern	1(10)(a)	24	12	1,000	12,000	38	14	106	21
Interior	3	30	1	1,000	1,000	53	2	155	5
Northwestern	0(5)(a)	28	6	1,000	6,000	48	7	148	12
Statewide	3,221(3236)(a)	33%	981	\$ 1,000	\$ 981,000	62%	2,161	198%	6,817

(a) Combined average of expected increases in total fishing and boating participation.

(b) For calculations - a minimum present need of 10 ramps and 5 moorings in Southwestern and 5 ramps and 5 moorings in Northwestern have been assumed.

PICNICKING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply	Demand	Demand	Demand	Need	Per	Needed	Per	Satisfy	
	(D. D.)	(D. D.)(a)	Requiring	(D. D.)(c)	(D. D.)	Day	Units	Unit(d)	Demand	
			Facilities(b)	Facilities						
Southeastern	1,448	13,700	52%	7,316	5,868	.136	798	\$1,175	937,650	
Southcentral	18,560	31,800	52	16,968	(1,592)	.136	-	1,175	-	
Southwestern	74	4,100	52	2,132	2,058	.136	280	1,175	329,000	
Interior	1,154	11,700	52	6,420	5,266	.136	716	1,175	841,300	
Northwestern	-	2,400	52	1,248	1,248	.136	170	1,175	199,750	
State	21,236	63,700	52%	34,084	14,440	.136	1,964	\$1,175	\$2,307,700	
Region	1975	Per Cent		Total 1975	1975	1975	Add'l.	1967	Total	
	Demand	Demand	Requiring	Demand	Need	Units By	Units By	Cost Per	1975 Cost	
	(D. D.)(a)	Facilities	Facilities	(D. D.)(c)	(D. D.)	1975	1975	Unit(d)		
Southeastern	17,300	52%	9,428	7,980	1,085	\$1,175	\$1,274,875			
Southcentral	43,300	52	23,476	4,916	669	1,175	786,075			
Southwestern	4,700	52	2,492	2,418	329	1,175	386,575			
Interior	14,700	52	8,364	7,210	981	1,175	1,152,675			
Northwestern	2,900	52	1,556	1,556	212	1,175	249,100			
State	82,900	52%	45,316	24,080	3,276	\$1,175	\$3,849,300			
Region	1980	52%	1980	Units	Add'l.	2000	52%	2000	Units	Add'l.
	Demand	Req.	Need	Per	Units By	Demand	Req.	Need	Per	Units By
	(D. D.)	Facil.(b)	(D. D.)	D. D.	1980	(D. D.)	Facil.(b)	(D. D.)	(D. D.)	2000
Southeastern	20,700	52%	9,940	.136	1,352	35,400	52%	18,928	.136	2,574
Southcentral	51,700	52	9,572	.136	1,302	99,600	52	37,264	.136	5,068
Southwestern	5,200	52	2,678	.136	364	7,200	52	3,814	.136	519
Interior	17,200	52	8,750	.136	1,190	29,200	52	17,102	.136	2,326
Northwestern	3,300	52	1,764	.136	240	5,200	52	2,848	.136	387
State	98,100	52%	32,704	.136	4,448	176,600	52%	79,956	.136	10,874

- (a) Total resident and nonresident participation.
- (b) 47% of all picnicking is neighborhood. Assume 25% requires formal facilities since much of demand is backyard barbecue type of participation. Assume 75% of the resident outing trip etc. demand requires facilities (as does all nonresident demand) i.e. $(47\% \times 25\% = 11.75) + (53\% \times 75\% = 39.75) = 51.50$ or 'roughly' 52% for resident demand .100% for nonresident demand.
- (c) Includes 52% of resident participation and 100% nonresident participation, as explained more fully in footnote (b).
- (d) Cost - roughly 23% of the facilities will be needed in the cities (i.e. $11.75 \div (39.75 + 11.75) = 23\%$ Thus, land cost is included for 23% of the total and omitted from the other 77%. $(23\% \times \$1750 = \$403) + (77\% \times \$1000 = \$770) = \$1173$ or roughly \$1175.

DEVELOPED CAMPING

<u>Region</u>	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To
	<u>Supply</u> (D. D.)	<u>Demand</u> (D. D.)(a)	<u>Demand</u> <u>Requiring</u> <u>Facilities</u>	<u>Demand</u> <u>Requiring</u> <u>Facilities</u> (D. D.)	<u>Need</u> (D. D.)	<u>Per</u> <u>Demand</u> <u>Day</u>	<u>Needed</u> <u>Units</u>	<u>Per</u> <u>Unit</u>	<u>Satisfy</u> <u>Demand</u>
Southeastern	1,961	2,200	100%	2,200	239	.277(a)	66	\$1,500(b)	\$ 99,000
Southcentral	7,884	12,900	100	12,900	5,016	.277	1,389	1,500	2,083,500
Southwestern	208	2,000	100	2,000	1,792	.277	496	1,500	744,000
Interior	2,980	4,500	100	4,500	1,520	.277	421	1,500	631,500
Northwestern	23	800	100	800	777	.277	215	1,500	322,500
State	13,056	22,400	100%	22,400	9,344	.277	2,587	\$1,500	\$3,880,500

<u>Region</u>	1975	Per Cent	Total 1975	1975	1967	Total
	<u>Demand</u> (D. D.)(a)	<u>Demand Requiring</u> <u>Facilities</u>	<u>Demand Requiring</u> <u>Facilities</u> (D. D.)	<u>Need</u> (D. D.)	<u>Add'l.</u> <u>Units By</u> <u>1975</u>	
Southeastern	3,300	100%	3,300	1,339	371	\$ 556,500
Southcentral	20,600	100	20,600	12,716	3,522	5,283,000
Southwestern	2,500	100	2,500	2,292	635	952,500
Interior	7,200	100	7,200	4,220	1,169	1,753,500
Northwestern	1,000	100	1,000	977	271	406,500
State	34,600	100%	34,600	21,544	5,968	\$8,952,000

<u>Region</u>	1980	100%	1980	Units	Add'l.	2000	100%	2000	Units	Add'l.
	<u>Demand</u> (D. D.)(a)	<u>Req.</u> <u>Facil.</u>	<u>Need</u> (D. D.)	<u>Per</u> <u>D. D.</u>	<u>Units By</u> <u>1980</u>	<u>Demand</u> (D. D.)(a)	<u>Req.</u> <u>Facil.</u>	<u>Need</u> (D. D.)	<u>Per</u> (D. D.)	<u>Units By</u> <u>2000</u>
Southeastern	4,300	4,300	2,339	.277	648 sites	10,500	10,500	8,539	.277	2,365
Southcentral	25,800	25,800	17,916	.277	4,963 sites	70,300	70,300	62,416	.277	17,289
Southwestern	3,000	3,000	2,792	.277	773 sites	5,400	5,400	5,192	.277	1,438
Interior	9,100	9,100	6,120	.277	1,695 sites	23,200	23,200	20,220	.277	5,601
Northwestern	1,200	1,200	1,177	.277	326 sites	2,500	2,500	2,477	.277	686
State	43,400	43,400	30,344	.277	8,405 sites	111,900	111,900	98,844	.277	27,379

(a) Total of resident and nonresident.

(b) No acquisition costs because most camping is away from cities where there is little private ownership of land.

SWIMMING (BEACH)

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply	Demand	Demand	Demand	Need	Per	Needed	Per	Satisfy	
	(D. D.)	(D. D.)	Requiring	Requiring	(D. D.)	Day	Units	Unit	Demand	
			Facilities(a)	Facilities						
Southeastern	213	2,500	.5%	1,250	1,037	2 f.f./part.	2,074	\$33 f. f.	\$ 68,442	
Southcentral	1,220	8,800	.5	4,400	3,180	2 f.f./part.	6,360	33 f. f.	209,880	
Southwestern	100	1,800	.5	900	800	2 f.f./part.	1,600	33 f. f.	52,800	
Interior	483	2,800	.5	1,400	917	2 f.f./part.	1,834	33 f. f.	60,522	
Northwestern	-	400	.5	200	200	2 f.f./part.	400	33 f. f.	13,200	
State	2,016	16,300	.5%	8,150	6,134	2 f.f./part.	12,268	\$33 f. f.	\$404,844	
Region	1975	Per Cent		Total 1975	1975	1967	Total			
	Demand	Demand	Requiring	Demand Requiring	Need	Units By	Cost Per	1975 Cost		
	(D. D.)	Facilities	Facilities (a)	Facilities (D. D.)	(D. D.)	1975	Unit			
Southeastern	3,500	.5%	1,750	1,537	3,074	\$33 f. f.	\$101,442			
Southcentral	12,700	.5	6,350	5,130	10,260	33 f. f.	338,580			
Southwestern	2,200	.5	1,100	1,000	2,000	33 f. f.	66,000			
Interior	3,600	.5	1,800	1,317	2,634	33 f. f.	86,922			
Northwestern	500	.5	250	250	500	33 f. f.	16,500			
State	22,500	.5%	11,250	9,234	18,468	\$33 f. f.	\$609,444			
Region	1980	.5%	1980	Units	Add'l.	2000	.5%	2000	Units	Add'l.
	Demand	Req.	Need	Per	Units By	Demand	Req.	Need	Per	Units By
	(D. D.)	Facil.	(D. D.)	D. D.	1980	(D. D.)	Facil.	(D. D.)	(D. D.)	2000
Southeastern	4,200	2,100	1,887	2 f. f.	3,774 f. f.	8,000	4,000	3,787	2 f. f.	7,574
Southcentral	15,800	7,900	6,680	2 f. f.	13,360 f. f.	34,800	17,400	16,180	2 f. f.	32,360
Southwestern	2,500	1,250	1,150	2 f. f.	2,300 f. f.	4,600	2,300	2,200	2 f. f.	4,400
Interior	4,300	2,150	1,667	2 f. f.	3,334 f. f.	7,400	3,700	3,217	2 f. f.	6,434
Northwestern	600	300	300	2 f. f.	600 f. f.	1,300	650	650	2 f. f.	1,300
State	27,400	13,700	11,684	2 f. f.	23,368 f. f.	56,100	28,050	26,034	2 f. f.	52,068

(a) Assume 50% desire formal facilities - 50% prefer natural setting.

Note: f. f. = front feet.

POOL SWIMMING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply	Demand	Demand	Demand	Need	Per	Needed	Per	Satisfy	
	(D. D.)	(D. D.)	Requiring	Requiring	(D. D.)	Day (a)	Units	Unit(b)	Demand	
			Facilities	Facilities						
Southeastern	338	2,033	all	2,300	1,962	10 sq. ft.	19,620	\$103 sq.ft.	\$2,020,860	
Southcentral	1,080	1,900	all	1,900	820	10 sq. ft.	8,200	103 sq.ft.	844,600	
Southwestern	-	300	all	300	300	10 sq. ft.	3,000	103 sq.ft.	309,000	
Interior	633	1,000	all	1,000	367	10 sq. ft.	3,670	103 sq.ft.	378,010	
Northwestern	-	400	all	400	400	10 sq. ft.	4,000	103 sq.ft.	412,000	
State	2,051	5,900	all	5,900	3,849	10 sq. ft.	38,490	\$103 sq.ft.	\$3,964,470	
Region	1975	Per Cent		Total 1975	1975	1975	1967			
	Demand	Demand	Requiring	Demand Requiring	Need	Units By	Cost Per	Total		
	(D. D.)	Facilities	Facilities	Facilities (D.D.)	(D. D.)	1975	Unit	1975 Cost		
Southeastern	3,100	all	3,100	2,762	27,620	\$103 sq.ft.	\$2,844,860			
Southcentral	2,800	all	2,800	1,720	17,200	103 sq.ft.	1,771,600			
Southwestern	400	all	400	400	4,000	103 sq.ft.	412,000			
Interior	1,300	all	1,300	667	6,670	103 sq.ft.	687,010			
Northwestern	500	all	500	500	5,000	103 sq.ft.	515,000			
State	8,100	all	8,100	6,049	60,490	\$103 sq.ft.	\$6,230,470			
Region	1980	100%	1980	Units	Add'l.	2000	100%	2000	Units	Add'l.
	Demand	Req.	Need	Per	Units By	Demand	Req.	Need	Per	Units By
	(D. D.)	Facil.	(D. D.)	D. D.	1980	(D. D.)	Facil.	(D. D.)	(D. D.)	2000
Southeastern	3,800	3,800	3,462	10 sq.ft.	34,620 sq.ft.	7,300	7,300	6,962	10 sq. ft.	69,620 sq. ft.
Southcentral	3,400	3,400	2,320	10 sq.ft.	23,200 sq.ft.	7,600	7,600	6,520	10 sq. ft.	65,200 sq. ft.
Southwestern	400	400	400	10 sq.ft.	4,000 sq.ft.	700	700	700	10 sq. ft.	7,000 sq. ft.
Interior	1,600	1,600	967	10 sq.ft.	9,670 sq.ft.	2,800	2,800	2,167	10 sq. ft.	21,670 sq. ft.
Northwestern	600	600	600	10 sq.ft.	6,000 sq.ft.	1,100	1,100	1,100	10 sq. ft.	11,000 sq. ft.
State	9,800	9,800	7,749	10 sq.ft.	77,490 sq.ft.	19,500	19,500	17,449	10 sq. ft.	174,490 sq. ft.

(a) 30 sq. feet per participant with a turnover of 3 is the equivalent of 10 sq. feet per demand day.

(b) Costs, based on a 1966 memorandum of the Anchorage Parks and Recreation Dept. which assumed \$515,000 for a 5,000 sq. foot pool = \$103 per sq. feet.

OUTDOOR GAMES AND SPORTS

<u>Region</u>	1967					Est. Cost	Est. Total Cost
	<u>Population</u>	<u>Standard</u>	<u>Demand</u>	<u>Supply</u>	<u>Deficiency</u>	<u>Per Acre</u>	
Southeastern	43,984	3 acres/1,000	132 ac.	104 ac.	28 ac.	\$8,000(a)	\$ 224,000
Southcentral	140,223	3 acres/1,000	420 ac.	312 ac.	108 ac.	8,000	864,000
Southwestern	28,875	3 acres/1,000	87 ac.	19 ac.	68 ac.	8,000	544,000
Interior	51,369	3 acres/1,000	153 ac.	167 ac.	-	8,000	-
Northwestern	13,455	3 acres/1,000	39 ac.	2 ac.	37 ac.	8,000	296,000
State	277,906	3 acres/1,000	831 acres	604 acres	241 acres	\$8,000	\$1,928,000.

<u>Region</u>	1975					Est. Total Cost
	<u>Population</u>	<u>Standard</u>	<u>Demand</u>	<u>Supply</u>	<u>Deficiency</u>	
Southeastern	51,000	3 acres/1,000	153 acres	104 acres	49 acres	\$ 392,000
Southcentral	176,000	3 acres/1,000	528 acres	312 acres	216 acres	1,728,000
Southwestern	31,000	3 acres/1,000	93 acres	19 acres	74 acres	592,000
Interior	58,000	3 acres/1,000	174 acres	167 acres	7 acres	56,000
Northwestern	15,000	3 acres/1,000	45 acres	2 acres	43 acres	344,000
State	331,000	3 acres/1,000	993 acres	604 acres	389 acres	\$3,112,000

<u>Region</u>	1980					2000				
	<u>Population</u>	<u>Standard</u>	<u>Demand</u>	<u>Supply</u>	<u>Deficiency</u>	<u>Population</u>	<u>Standard</u>	<u>Demand</u>	<u>Supply</u>	<u>Deficiency</u>
Southeastern	57,000	3 ac./1,000	171	104	67 ac.	84,000	3 ac./1,000	252	104	148 ac.
Southcentral	199,000	3 ac./1,000	597	312	285 ac.	334,000	3 ac./1,000	1,002	312	690 ac.
Southwestern	32,000	3 ac./1,000	96	19	77 ac.	39,000	3 ac./1,000	117	19	98 ac.
Interior	63,000	3 ac./1,000	189	167	22 ac.	86,000	3 ac./1,000	258	167	91 ac.
Northwestern	16,000	3 ac./1,000	48	2	46 ac.	22,000	3 ac./1,000	66	2	64 ac.
State	367,000	3 ac./1,000	1,101	604	497 ac.	565,000	3 ac./1,000	1,695	604	1,091 ac.

(a) Includes land.

TENNIS

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit	Satisfy Demand	
Southeastern	100	600	all	600	500	.02 court	10	\$6,750	\$ 67,500	
Southcentral	1,350	1,400	all	1,400	50	.02 court	1	6,750	6,750	
Southwestern	-	200	all	200	200	.02 court	4	6,750	27,000	
Interior	700	300	all	300	(400)	.02 court	-	6,750	-	
Northwestern	-	-	all	-	-	.02 court	-	6,750	-	
State	2,150	2,500	all	2,500	750	.02 court	15	\$6,750	\$101,250	
Region	1975 Demand (D. D.)	Per Cent Demand Requiring Facilities	Total 1975 Demand Requiring Facilities (D. D.)	1975 Need (D. D.)	Add'l. Units By 1975	1967 Cost Per Unit	Total 1975 Cost			
Southeastern	800	all	800	700	14	\$6,750	\$ 94,500			
Southcentral	2,000	all	2,000	650	13	6,750	87,750			
Southwestern	200	all	200	200	4	6,750	27,000			
Interior	400	all	400	(300)	-	6,750	-			
Northwestern	-	all	-	-	-	6,750	-			
State	3,400	all	3,400	1,550	31	\$209,250	\$209,250			
Region	1980 Demand (D. D.)	100% Req. Facil.	1980 Need (D. D.)	Units Per D. D.	Add'l. Units By 1980	2000 Demand (D. D.)	100% Req. Facil.	2000 Need (D. D.)	Units Per (D. D.)	Add'l. Units By 2000
Southeastern	1,000	1,000	900	.02 court	18 courts	1,900	1,900	1,800	.02 court	36 courts
Southcentral	2,400	2,400	1,050	.02 court	21 courts	5,400	5,400	4,050	.02 court	81 courts
Southwestern	300	300	300	.02 court	6 courts	400	400	400	.02 court	8 courts
Interior	500	500	(200)	.02 court	-	800	800	100	.02 court	2 courts
Northwestern	-	-	-	.02 court	-	-	-	-	.02 court	-
State	4,200	4,200	2,250	.02 court	45 courts	8,500	8,500	6,350	.02 court	127 courts

GOLF

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply	Demand	Demand	Demand	Need	Per	Needed	Per	Satisfy	
	(D. D.)	(D. D.)	Requiring	Requiring	(D. D.)	Day	Units(a)	Unit	Demand	
			Facilities	Facilities						
Southeastern	-	200	all	200	200	.0389 holes	9 holes	\$350,000	\$ 350,000	
Southcentral	1,050	1,400	all	1,400	350	.0389 holes	9 holes	350,000	350,000	
Southwestern	-	-	all	-	-	.0389 holes	-	350,000	-	
Interior	350	800	all	800	450	.0389 holes	9 holes	350,000	350,000	
Northwestern	-	-	all	-	-	.0389 holes	9 holes	350,000	-	
State	1,400	2,400	all	2,400	1,000	.0389 holes	36 holes	\$350,000	\$1,050,000	
Region	1975		Per Cent	Total 1975		1975	Add'l.	1967	Total	
	Demand		Demand Requiring	Demand Requiring		Need	Units By	Cost Per	1975 Cost	
	(D. D.)		Facilities	Facilities (D. D.)		(D. D.)	1975(a)	Unit		
Southeastern	300		all	300		300	9 holes	\$350,000	\$ 350,000	
Southcentral	2,100		all	2,100		1,050	27 holes	350,000	1,050,000	
Southwestern	-		all	-		-	-	350,000	-	
Interior	1,000		all	1,000		650	18 holes	350,000	700,000	
Northwestern	-		all	-		-	-	-	-	
State	3,400		all	3,400		2,000	54 holes		\$2,100,000	
Region	1980	100%	1980	Units	Add'l.	2000	100%	2000	Units	Add'l.
	Demand	Req.	Need	Per	Units By	Demand	Req.	Need	Per	Units By
	(D. D.)	Facil.	(D. D.)	D. D.	1980(a)	(D. D.)	Facil.	(D. D.)	(D. D.)	2000(a)
Southeastern	300	300	300	.0389 holes	9 holes	600	600	600	.0389 holes	27 holes
Southcentral	2,400	2,400	1,350	.0389 holes	54 holes	5,400	5,400	4,350	.0389 holes	171 holes
Southwestern	-	-	-	.0389 holes	-	-	-	-	.0389 holes	-
Interior	1,200	1,200	850	.0389 holes	36 holes	2,200	2,200	1,850	.0389 holes	72 holes
Northwestern	-	-	-	.0389 holes	-	-	-	-	.0389 holes	-
State	3,900	3,900	2,500	.0389 holes	99 holes	8,200	8,200	6,800	.0389 holes	270 holes

(a) Rounded to the nearest 9 holes.

ICE SKATING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To
	Supply (D.D.)	Demand (D.D.)	Demand Requiring Facilities	Demand Requiring Facilities (D.D.)	Need (D.D.)	Per Demand Day	Needed Units	Per Unit(a)	Satisfy Demand
Southeastern	-	1,000	90%	900	900	.0067 acres	6 acres	\$8,167	\$ 49,000
Southcentral	2,700	5,900	90	5,310	2,610	.0067 acres	17 acres	8,167	139,000
Southwestern	-	2,500	90	2,250	2,250	.0067 acres	15 acres	8,167	122,500
Interior	450	600	90	540	90	.0067 acres	1 acres	8,167	8,000
Northwestern	-	600	90	540	540	.0067 acres	4 acres	8,167	32,500
State	3,150	10,600	90%	9,540	6,390	.0067 acres	43 acres	\$8,167	\$351,000

Region	1975	.9%	Per Cent	Total 1975	1975	Add'l.	1967	Total 1975 Cost
	Demand (D.D.)	Per Cent	Demand Requiring Facilities	Demand Requiring Facilities (D.D.)	Need (D.D.)	Units By 1975	Cost Per Unit	
Southeastern	1,200	90%	1,080	1,080	1,080	7 acres	8,167	\$ 57,000
Southcentral	8,000	90	7,200	4,500	4,500	30 acres	8,167	245,000
Southwestern	2,900	90	2,610	2,610	2,610	17 acres	8,167	139,000
Interior	700	90	630	180	180	1 acres	8,167	8,000
Northwestern	700	90	630	630	630	4 acres	8,167	32,500
State	13,500	90%	12,150	\$9,000	59 acres	\$8,167	\$481,500	

Region	1980	.9%	1980	Units	Add'l.	2000	.9%	2000	Units	Add'l.
	Demand (D.D.)	Req. Facil.	Need (D.D.)	Per D.D.	Units By 1980	Demand (D.D.)	Req. Facil.	Need (D.D.)	Per (D.D.)	Units By 2000
Southeastern	1,500	1,350	1,350	.0067 acres	9 acres	2,300	2,070	2,070	.0067 acres	14 acres
Southcentral	9,400	8,460	5,760	.0067 acres	39 acres	16,900	15,210	12,510	.0067 acres	84 acres
Southwestern	3,100	2,790	2,790	.0067 acres	19 acres	4,100	3,690	3,690	.0067 acres	25 acres
Interior	800	720	270	.0067 acres	2 acres	1,200	1,080	630	.0067 acres	4 acres
Northwestern	800	720	720	.0067 acres	5 acres	1,200	1,080	1,080	.0067 acres	7 acres
State	15,600	14,040	10,890	.0067 acres	74 acres	25,700	23,130	19,980	.0067 acres	134 acres

(a) Since most skating (97%) is done as a neighborhood activity land cost is a factor. \$24,500 per area ÷ 3 acres per area = \$8,161 per acre.

ALPINE SKIING

Region	1967	Total 1967	Per Cent	Total 1967	1967	Units	1967	Cost	Cost To	
	Supply (D. D.)	Demand (D. D.)	Demand Requiring Facilities(a)	Demand Requiring Facilities (D. D.)	Need (D. D.)	Per Demand Day	Needed Units	Per Unit	Satisfy Demand	
Southeastern	400	700	90%	630	230	.0833 dev.ac.	19	\$9,000	\$171,000	
Southcentral	4,804	4,700	90	4,230	-	.0833 dev.ac.	-	9,000	-	
Southwestern	-	400	90	360	360	.0833 dev.ac.	30	9,000	270,000	
Interior	2,448	2,100	90	1,890	-	.0833 dev.ac.	-	9,000	-	
Northwestern	-	500	90	450	450	.0833 dev.ac.	37	9,000	333,000	
State	7,652	8,400	90%	7,560	1,040	.0833 dev.ac.	86	\$9,000	\$774,000	
Region	1975 Demand (D. D.)	Per Cent Demand Requiring Facilities	Total 1975 Demand Requiring Facilities (D. D.)	1975 Need (D. D.)	Add'l. Units By 1975	1967 Cost Per Unit	Total 1975 Cost			
Southeastern	900	90%	810	410	34	\$9,000	\$ 306,000			
Southcentral	6,800	90	6,120	1,316	110	9,000	990,000			
Southwestern	500	90	450	450	37	9,000	333,000			
Interior	2,700	90	2,430	(18)	-	9,000	-			
Northwestern	600	90	540	540	45	9,000	405,000			
State	11,500	90%	10,350	2,716	226	\$9,000	\$2,034,000			
Region	1980 Demand (D. D.)	9% Req. Facil.	1980 Need (D. D.)	Units Per D. D.	Add'l. Units By 1980	2000 Demand (D. D.)	9% Req. Facil.	2000 Need (D. D.)	Units Per (D. D.)	Add'l. Units By 2000
Southeastern	1,200	1,080	680	.0833	57	2,300	2,070	1,670	.0833	139
Southcentral	9,000	8,100	3,296	.0833	275	19,600	17,640	12,836	.0833	1,069
Southwestern	600	540	540	.0833	45	900	810	810	.0833	67
Interior	3,500	3,150	702	.0833	58	6,100	5,490	3,042	.0833	253
Northwestern	800	720	720	.0833	60	1,400	1,260	1,260	.0833	105
State	15,100	13,590	5,938	.0833	495	30,300	27,270	19,618	.0833	1,633

(a) Assume 90% of skiers use formal facilities.

SCENIC ROUTES PROPOSED
FOR ALASKA

Exhibit K-1 shows the potential Scenic Roads identified by the
Alaska Department of Highways in the 1964 study.

SCENIC ROUTES PROPOSED FOR ALASKA

<u>Route Number And Priority</u>	<u>Description Of Route</u>
Route No. 1 Priority 15	Frontier Highway - from Canadian Boundary along the Tanana River valley to Tok Junction; then south through the Alaska Range and Mentasta Pass to Gulkana Junction. From here north along the Richardson Highway to Paxson and west on Denali Highway across the northern portion of Mt. McKinley Park to Kantishna. This is a composite of existing highways to route the motorist through some of Alaska's finest scenery to monumental Mt. McKinley.
Route No. 2 Priority 16	Richardson Highway from Paxson to Donnelly Dome. An existing highway on another route through the Alaska Range.
Route No. 3 Priority 12	Richardson Highway from Gulkana Junction southerly to Valdez. Existing.
Route No. 4 Priority 3	Existing highway from McKinley Park to Fairbanks and along the Alaska Highway to Birch Lake.
Route No. 5 Priority 8	Palmer to McKinley Park. This route is on the present Federal-aid system, but a goodly portion still remains to be constructed.
Route No. 6 Priority 2	Glenn Highway from Anchorage to Lake Louise. Existing.
Route No. 7 Priority 1	Anchorage to Seward. Existing.
Route No. 8 Priority 9	Sterling Highway from Sterling Junction to Soldotna. Existing.
Route No. 9 Priority 23	Edgerton Highway from Edgerton Junction to McCarthy. On the present system. Constructed, Junction to Chitina.
Route No. 10 Priority 10	Copper River Highway from Chitina to Cordova. On present system. Partially constructed.

<u>Route Number And Priority</u>	<u>Description Of Route</u>
Route No. 12 Priority	South Tongass Highway - Ketchikan to Beaver Falls. The Forest Service nominated a route extending this road into a loop around the island.
Route No. 13 Priority	Zimovia Highway - Wrangell to Stikine Highway.
Route No. 14 Priority 11	Stikine Highway - Petersburg to Canadian boundary.
Route No. 15 Priority 7	Baranof Highway - Stika to Rodman Bay. Extension of a short exist-section of highway at Sitka.
Route No. 16 Priority 5	Glacier Highway - Juneau to Berners Bay. Extension of existing Glacier Highway to Berners Bay.
Route No. 17 Priority 13	Haines cut-off. Existing road from Haines to Canadian boundary.
Route No. 18 Priority 17	Klondike Highway. Proposed extension from Skagway to Canadian boundary.
Route No. 20 Priority 24	Bering River Highway. A new proposed route from Katalla Junction past Bering Glacier to Icy Bay across from Malaspina, reportedly the world's largest glacier.
Route No. 21 Priority 32	White River Highway. Proposed new route from McCarthy to Canadian boundary.
Route No. 22 Priority 19	Tasnuna River Highway. Proposed connection between Richardson Highway and Copper River Highway through Tasuna River Gorge.
Route No. 23 Priority 14	Lake Louise Highway. Proposed connection from Lake Louise to Denali Highway.
Route No. 24 Priority 6	Eagle River Highway. A proposed route from Knik Arm up Eagle River to Crow Pass and down to Girdwood, providing a one-day scenic drive for Anchorage residents.
Route No. 25 Priority 18	Lake Clark Highway. A new route from Willow through the Susitna lowlands across the Aleutian Range past Lake Clark to Illiamna.

<u>Route Number And Priority</u>	<u>Description Of Route</u>
Route No. 26 Priority 22	Illiamna Lake Highway. A proposed lowland lake-spotted route from Dillingham, past Illiamna Lake to Illiamna Bay and a proposed ferry route extension.
Route No. 26 Priority 30	Katmai Highway. A new proposal from King Salmon, skirting the south boundary of Katmai National Monument to Alinchak Bay to meet a proposed ferry route from Kodiak.
Route No. 28 Priority 21	Kuskokwim Highway. Proposed route opening new territory from McGrath to Dillingham.
Route No. 29 Priority 31	McGrath-Lignite Highway. A new proposal providing the McKinley Park motorist with an alternate route through the Alaska Range to the main highway.
Route No. 30 Priority 28	McGrath-Talkeetna Highway. A new route through the Alaska Range south of McKinley Park, giving the motorist a variety of loop possibilities connecting with the main highway.
Route No. 31 Priority 29	Rampart Road. A proposed short spur from Eureka to Rampart on the Yukon.
Route No. 32 Priority 27	Yukon Highway. A new route from Livengood, parallel to the Yukon, but above the river bottom, to Central.
Route No. 33 Priority 26	Hot Springs Highway. A new proposal from Circle Hot Springs to Chena Hot Springs giving the motorist the hot springs resort treatment in the shadow of the Arctic Circle.
Route No. 34 Priority 25	Yukon Highway. This proposes a connection between Circle Hot Springs and Eagle, following the famous Yukon River.
Ferry System	The Southeast system and the two proposed extensions, mentioned above, are also nominated as scenic routes.

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Interviews

- Mr. Steven Agbaba
Commissioner
Athletics
Alaska
- Mr. R. H. Ahrens
Director
Department of Recreation
and Conservation
Parks Branch
British Columbia
- Mr. Richard M. Barber
Recreation Resource Specialist
U.S. Bureau of Outdoor Recreation
San Francisco
- Mr. Jay Bergstrand
Fishery Biologist
Alaska Department of Fish and Game
Sport Fish Division
- Mr. Donald Berry
Executive Director
Alaska Municipal League
- Mr. Joseph R. Blum
Lands Coordinator
Alaska Department of Fish and Game
Game Division
- Mr. Wayne Boden
Recreation Specialist
U.S. Bureau of Land Management
Alaska State Office
- Mr. Red Boucher
Mayor
City of Fairbanks
- Mr. Bailey Breedlove
Park Planner
U. S. National Park Service
Anchorage
- Mr. Edward F. Bullard
Chief
Division of Federal Agency
and State Assistance
U.S. Forest Service
San Francisco
- Mr. Barney Coster
Branch Chief - Recreation and
Lands
U.S. Forest Service
Juneau
- Mr. Clyde Courtnage
Economic Development Specialist
U.S. Economic Development
Administration
- Mr. Frank Cox
Director
Division of Planning and Research
State of Alaska
- Mr. William Creighton
Director
Anchorage Parks and
Recreation Department
- Dr. Victor Fischer
Director
Institute of Social, Economic and
Government Research
University of Alaska
- Mr. George Hall
Superintendent
Mt. McKinley National Park
National Park Service
- Mr. John C. Hendee
U.S. Forest Service
Pacific Northwest Forest and
Range Experiment Station
Seattle, Washington

Interviews (Cont'd)

Mr. Robert Henning Editor Alaska Sportsman Magazine	Mr. R. F. McClain U. S. Bureau of Indian Affairs Juneau
Mr. David Hickok Natural Resources Officer Federal Field Committee for Development Planning in Alaska	Mr. Curtis McVee Assistant State Director U. S. Bureau of Land Management Alaska State Office
Mr. Joseph E. Hoffman Assistant Resource Specialist Institute of Social, Economic, and Government Research University of Alaska	Mr. Don Merrill Forest Service Yukon Territory
Mr. F. Joseph Keenen Director Alaska Division of Lands Department of Natural Resources	Mr. Keith H. Miller Governor State of Alaska
Mr. Thomas E. Kelley Commissioner Department of Natural Resources	Mr. Robert Moore Maintenance Supervisor Alaska Department of Highways Anchorage District
Mr. Paul Leach Recreation Resource Specialist U. S. Bureau of Outdoor Recreation San Francisco	Mr. Gus Norwood Administrator Alaska Power Administration U.S. Department of the Interior
Mr. Herbert Lehfeldt Administrative Assistant to the Governor of Alaska	Mr. Edward Nygard U.S. Bureau of Indian Affairs Juneau
Mr. Kris W. Lethin Former Director Division of Planning and Research State of Alaska	Mr. Robert Pavitt Director of Planning Greater Anchorage Bureau
Mr. Robert Lucas U.S. Forest Service Intermountain Forest Experimental Station Missoula Mountain	Mr. Hez Ray Director Parks and Recreation Department City of Fairbanks
	Mr. Burke Riley Regional Coordinator Interior Field Committee U.S. Department of the Interior

Interviews (Cont'd)

Mr. Howard Rock
Editor
Tundra Times

Mr. H. D. Scougal
Deputy Commissioner
Alaska Department of Highways

Mr. Alden Sievers
Chairman
Fairbanks Outdoor Recreation
and Tourism Committee

Mr. Maury Smith
Former State Representative
(Fairbanks) and Newsman

Mr. John Thorsen
Director
Department of Recreation
Yukon Territory

Mr. Dale Wallington
Deputy Commissioner
Alaska Department of
Natural Resources

Mr. Robert W. Ward
Secretary of State
State of Alaska

Dr. William R. Wood
President
University of Alaska

Seminars

Two seminars were held in conjunction with plan preparation.
Attendees at these conferences included:

Anchorage - 3/13/69

Mr. Jay Bergstrand
Fishery Biologist
Alaska Department of Fish
and Game
Sports Fish Division

Mr. Wayne Boden
Recreation Specialist
U. S. Bureau of Land
Management
Alaska State Office

Mr. Raymond Clark
Recreation and Lands Staff Officer
U. S. Forest Service
Chugach National Forest
Anchorage

Mr. Ralph Cowles
Economic Development Specialist
U. S. Economic Development
Administration
Anchorage

Mr. George Hall
Superintendent
Mt. McKinley National Park
National Park Service

Mr. F. Joseph Keenan
Director
Alaska Division of Lands
Department of Natural Resources
Anchorage

Mr. David L. Spencer
Associate Supervisor
Alaska Wildlife Refuges
U. S. Fish and Wildlife Service

Juneau - 3/14/69

Mr. Ted Bordon
Director
Alaska Travel Division
Department of Economic
Development

Mr. Raymond Brown
U. S. Forest Service
Juneau

Mr. Joseph Mahurin
U. S. National Park Service

Mr. Donald Statter
Director
Division of Waters and Harbors
Alaska

Mr. Jack Trent
Division of Waters and Harbors
Alaska Department of
Natural Resources