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# TELEPHONE SURVEY PRETEST AND PRETEST QUESTIONNAIRES

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#### TELEPHONE SURVEY PRETEST AND PRETEST QUESTIONNAIRE

Compiled for
The Minnesota Department of Natural Resources
Bureau of Planning
St. Paul, Minnesota

by Michael J. Dalton

Institute of Outdoor Recreation and Tourism
Utah State University
Logan, Utah

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#### Executive Summary

On the 19th through the 23rd of September, 1977 a pretest of a series of telephonically administered outdoor recreation participation question-naires was conducted at the offices of the Hennepin County Park Reserve District located near Maple Plain, Minnesota. Principal interviewers were supplied by the Hennepin County Park Reserve District and the University of Minnesota. The pretest was conducted by members of the staff of the Institute of Outdoor Recreation and Tourism at Utah State University with assistance from members of the planning staff of the Minnesota Department of Natural Resources.

A series of six questionnaires as well as two telephone number selection methods were tested in Minnesota Development Regions 10 (the Metropolitan Council) and 11 (the Rochester area). Nearly 130 households representing over 350 persons over six years of age were interviewed.

#### PURPOSE OF THIS PUBLICATION

This publication is one of a series of reports documenting the development and administration of Minnesota's 1977-1978 outdoor recreation surveys. The purpose of this series and this publication is to ensure that the surveys are correctly understood, used, and can be replicated in the future.

To those who try to understand and use:

"Man tries to make for himself, in the fashion that suits him best, a simplified and intelligible picture of the world. He then tries, to some extent, to substitute this cosmos of his for the world of experience, and thus overcome it..."

Albert Einstein

To those who replicate:

good luck

#### INTRODUCTION

On the 19th through the 22nd of September, 1977, a pretest of a series of telephonically administered outdoor recreation participation questionnaires was conducted as called for in contract 330233 entitled <u>A Survey of the Outdoor Recreation Participation of Minnesota Residents</u>, between the Minnesota Department of Natural Resources and Utah State University.

The pretest was specifically designed to:

- 1. Ascertain how much data could be collected in a 10 minute telephone call.
- 2. Ascertain acceptable sample sizes for the effort.
- 3. Ascertain the biases associated with one week and two week recall periods.
- 4. Ascertain the costs and benefits associated with random digit dialing and telephone number selection from published listings.
- 5. Develop a smooth flowing, logical telephone survey instrument.

The interviews were conducted during the evening hours, 5:00 through 9:00, principally by two members of the staff of the Hennepin County Park Reserve District and two graduate students from the University of Minnesota. In addition, interviews were also conducted by staff members of the Minnesota Department of Natural Resources (DNR), Institute of Outdoor Recreation and Tourism (IORT) at Utah State University, and members of the DNR Survey Design Committee from the Metropolitan Council, Hennepin Park Reserve District, and the staff of the University of Minnesota. All calls were made from the Hennepin County Park Reserve District offices located near Maple Plain, Minnesota. The IORT project director and principal investigators were present to supervise the pretest effort.

#### QUESTIONNAIRE DEVELOPMENT

Prior to the pretest, IORT developed a series of questionnaires.

These were designed to obtain outdoor recreation participation data as well as information on user satisfaction, hunting, fishing, equipment ownership, and demographic characteristics of respondents and their households. Appendix A contains copies of each of the pretested questionnaires. Copies of their accompanying response sheets are located in Appendix B.

The original series included the following instruments: a. participation-satisfaction-fishing-hunting; b. participation-satisfaction-fishing; c. participation-fishing-hunting; d. participation-satisfaction; e. participation-fishing; and f. participation. All questionnaires contained questions on equipment ownership and demographics.

These six questionnaires were developed by combining blocks of questions concerning satisfaction with outdoor recreation facilities (S), fishing (F), hunting (H), introduction, participation(P), and demographics section (Appendix A).

Each questionnaire began with an introductory statement indicating the call was on behalf of the Minnesota Department of Natural Resources and the interviewer desired to speak with the male or female head of the household. The head of the household was then informed that each household was randomly selected, information was confidential, and outdoor recreation participation was the subject of the interview. Next, the respondent was asked to give the first name and age of all household members actually living at home. Then an activity list was read and the respondent was asked to indicate if any household members had participated in any of

the activities during a recent time frame (see Activity List, page 10 and Recall, page11). If any members had participated in any activities, the interviewer asked how many times the individual household member(s) had participated, where and which day(s) each participation took place, the time of day, and the duration of each participation.

Following the gathering of actual participation data, a series of detailed participation trends questions were asked. In the most elaborate version, these asked the respondent whether they had stopped participating in any activities during the last two years, begun participating in any new activities during the last two years, or shifted their activity patterns during the last two years.

If any household members had visited any public outdoor recreation area in Minnesota during the sample period, the respondent was asked a series of detailed facility satisfaction questions concerning their most recent visit to that facility. This series also included questions on the use of educational or informational displays or programs and their effect on satisfaction.

If any fishing was reported during the sample period, a series of detailed fishing questions was asked. The hunting section was led by a question asking whether or not any member of the household had hunted or trapped during the last year. If so, a series of hunting and trapping questions was asked.

The hunting section was followed by an equipment ownership question.

The respondents were then told by the interviewer that answers to a set of demographic questions were necessary to categorize their responses to the previous questions. These demographic questions dealt with the location

of residence, length of residence at that location, length of residence in Minnesota, marital status, education of the respondent, and, if applicable, the respondent's spouse, the occupation of the respondent and spouse, and the combined household income.

The same basic participation and demographic questions were used on each questionnaire. Entire modules of detailed questions were deleted on some versions. For example, the PS questionnaire did not contain detailed questions on fishing or hunting except to ask whether or not there were persons who fished or hunted within the household; if so, a request for their name(s) and address(es) was made in order to send them a mailed fishing and/or hunting questionnaire. However, actual participation in fishing or hunting was obtained for the recent recall period. The P series of questionnaires did not have fishing, hunting, or satisfaction questions. As pointed out above, all instruments contained the introduction, participation, equipment ownership, some reference to fishing and hunting (although at minimum, a request for names and addresses) and demographic sections.

As the pretest progressed, it was decided not to administer the participation-fishing-hunting, nor the participation-fishing versions, and instead, to add a series of three modified participation only questionnaires. This decision was made primarily to most effectively utilize available sampling time. This series contained a participation only instrument with a shortened activity list, a participation only with a categorized activity list, and an open-ended participation instrument (see Appendix A and page for a discussion of pretest questionnaires).

#### REGIONS

Two Minnesota development regions were selected for the pretest.

They were: Region 10 consisting of Dodge, Fillmore, Freeborn, Goodhue,
Houston, Mower, Olmsted, Rice, Steele, Wabasha, and Winona counties; and
Region 11, the Metropolitan Council, consisting of Anoka, Carver, Dakota,
Hennepin, Ramsey, Scott, and Washington counties. Region 10 is located
in the extreme southeast corner of the state and contains the city of Rochester. Region 11 is an east central region in which Minneapolis and St.
Paul are located. Both were selected by the Department of Natural Resources for the pretest subject to guidelines offered by IORT. Region 11
was selected because of its metropolitan nature, Region 10 because of its
population diversity. One-half of the samples drawn for the pretest were
from each region.

#### SAMPLING

Two methods were used to select the sample telephone numbers used in the pretest. The purpose was to ascertain the cost/benefit of randomly generated numbers and numbers selected from telephone directories. To select the sample from residential listings in telephone books, all of the telephone books covering each sample region were obtained. DNR/IORT estimated the number of residential numbers in each book. Then, a predetermined quantity of sample numbers was drawn from each book. That quantity was in the same proportion to the region's total sample, as each book's estimated number of residential telephone numbers was in proportion to the region's total residential telephone numbers.

The second method, random telephone number generation, was based on the prefixes of the telephone numbers in each region. The prefix is the first three numbers. For example, the prefix for the number 296-1779 is 296. Sample selection was accomplished by providing interviewers with a set of prefixes. The distribution of prefixes in that list was the same as the distribution of prefixes in the population. DNR/IORT also provided interviewers with a set of four digit numbers. To contact a randomly generated telephone number, the interviewer would select the first prefix listed and attached the first four digit random number to the prefix. If dialing that number resulted in a nonoperative number, the interviewer attached a new four digit random number to the original prefix and redialed. This process was followed until a "ringing" number was contacted.

A total of 304 numbers were selected from the telephone directories covering Region 10 and 11. Half of the numbers were from each region.

DNR personnel performed the selection. DNR/IORT developed a scheme to ensure that one-third of the numbers called were randomly selected from telephone directories. This scheme used answer recording sheets as a regulating mechanism.

Each answer sheet had either a telephone number of a telephone prefix and a set of random four digit numbers at the top of the sheet. Telephone numbers were on two-thirds of the sheets and telephone prefixes were on one-third.

#### ANSWER SHEETS

In addition to regulating the mix of random and listed numbers called, answer sheets served a three-fold purpose. They provided an organized area for recording answers and call results. They helped guide the interviewer through the interview. Lastly, they provided a formal communication mechanism to facilitate feedback from interviewers.

Answers to all questions were recorded on separate answer sheets, one type for each questionnaire variety (Appendix B). An answer sheet was used for one telephone number only. The results of each call were categorized as a completed interview, a refusal, a disconnect, or one of four types where a return call was necessary. These situations were: no answer; busy signal; head of household; or another time for the interview. Provisions were made for up to two calls back, but the survey schedule prevented this in some cases.

Interviewer feedback on questionnaires concerned the sex of the respondent, whether or not the respondent reacted negatively to the questionnaire, if additional information was volunteered by the respondent, which questions (if any) caused problems and the nature of those problems, and any other comments from that specific interview.

#### ACTIVITY LISTS

When asking the actual participation questions, the interviewer read a list of activities. The original list was supplied by DNR. The lists actually used were produced by IORT in conjunction with DNR representatives. All lists were approved by DNR. All questionnaires, except for the  $P_1$  series, utilized the longer activity list. The  $P_1$  questionnaire used an abbreviated list,  $P_1$ CAL a categorized abbreviated list, and  $P_1$ Open-Ended used no list. This series was developed to attempt to overcome the cumbersome nature of reading activity lists over the telephone.

#### RECALL

One of the two recall periods, one week or two weeks, was assigned each answer sheet. The periods were assigned alternatively to individual telephone numbers, regardless of region or selection method. The two week period was not tested during the last evening of calling.

Both recall periods changed each night. For example, if a call was placed on Monday and the recall period was one week, the interviewer asked for recreation participations for the previous Monday through the just past Sunday, seven days. If the call was placed on Tuesday, the interviewer asked about the past Tuesday through the Monday just past. The same procedure was used for the two week recall period except the recall period covered 14 days.

#### **PROCEDURE**

On Monday, September 19th, the questionnaire containing participation, satisfaction, fishing, and hunting (PSFH) questions was tested. Before any questioning took place, members of the IORT staff introduced the pretest to all interviewers. Items covered included the purpose of the pretest, each instrument, recreation activities studied (Appendix C), definitions of activities, what to expect, what to do in case of a problem, how to use the answer sheet. In addition, the participation-satisfaction-fishing-hunting (PSFH) questionnaire was discussed in detail.

At the completion of the calling session, all interviewers, IORT staff, DNR staff members, and others discussed the evening's interviewing. Specific problems and general comments were aired. Suggestions for improvement of procedures and questionnaires were made at this time.

On Tuesday, September 20th, questionnaire changes to update the logical flow were incorporated into the participation-satisfaction-fishing-hunting (PSFH) questionnaire for use during that evening's calling. Questionnaires and answer sheets for the PSF sample were reproduced and random exchanges and telephone directory numbers were assigned to individual questionnaires. Revised PSFH questionnaires were tried a second time if there had been no answer, a busy signal, or if there had been a contact but the head of the household was not at home, or the respondents requested a call at a more convenient time. The primary thrust of the session, however, was the testing of the PSF questionnaire. A discussion with the interviewers followed the calling session.

The same basic pattern was followed on Wednesday, the 21st, and Thursday,

the 22nd. On the 21st, remaining PSF questionnaires were recalled, but primary emphasis was placed on the questionnaire designed to examine participation alone (P).

The last night of calling, the 22nd, again followed the established format. Remaining P questionnaires were called and the three additional  $P_1$  types, all based on the P type, were tried. These  $P_1$ s utilized an abbreviated activity list, a categorized activity list, an open-ended activity format (see Appendix A, and pages 3 through 5 for examples and discussion of the questionnaires used in the pretest).

#### CONCLUSION

The pretest was applied in a manner that maximized control over environmental factors that could have led to erroneous conclusions. It was designed in a manner that allowed fulfillment of its purpose, quickly, and efficiently. Future pretests could result in different conclusions given different interviewers, a different time of year, a different sample or a different group of administrators. For those conclusions and recommendations, see Report Number 2, Telephone Survey Pretest Results and Recommendations.

#### APPENDIX A

SAMPLE QUESTIONNAIRES PSHF, PSF, PS, PF, P, P $_1$ , P $_1$ CAL, P $_1$ OPEN-ENDED. QUESTIONNAIRES PHF AND PF WERE NOT PRETESTED. THE P AND P $_1$  ARE THE SAME QUESTIONNAIRE, BUT UTILIZED DIFFERENT ACTIVITY LISTS.

Call initiate	d at	16	
Call completed	lat		

#### PSHF

#### MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

Yes (Go to 5) No (Go to 2)  Is the head of the household there? Yes (Go to 4) No (Go to 3)  When might I be able to reach the head of the household? (Record the information in return call space and terminate the call.)  May I speak with the head of the household? Yes (Go to 1) No (Go to 3)  To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities. By
When might I be able to reach the head of the household? (Record the information in return call space and terminate the call.)  May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)  To aid the Department in its planning, we are asking Minnesota residents
May I speak with the head of the household?  Yes (Go to 1)  To aid the Department in its planning, we are asking Minnesota residents
Yes (Go to 1) No (Go to 3)  To aid the Department in its planning, we are asking Minnesota residents
Yes (Go to 1) No (Go to 3)  To aid the Department in its planning, we are asking Minnesota residents
knowing what you do or don't do outdoors, we can better meet your needs  May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
This is an opportunity foryou to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.") Why don't you want to participate?
Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of

New list (appendix .	New	A)
----------------------	-----	----

	9.	Now that you have told me what the members of your household have done, I need to know where they did each activity and when it was done. I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do. I'll read the first name of the person and the activity and you tell me, as best as you can, where that activity took place, what day of the week it was on, and the amount of time involved.
		Person Activity Specifically Where WE/WD Time (Begin-Finish)
Satisfaction	in M	household member or respondent has visited any public recreation area innesota during the defined time period (such as neighborhood park, park, county park, state park, wildlife area, state forest, national st), go to question 10. If not, go to question 17.
1000 BK	<sup>t</sup> 10.	We are interested in how satisfied you were with your visit to
	11.	What caused your dissatisfaction?
	12.	What caused your satisfaction?
Education	13.	Did you use any educational or informational displays or programs when you visited (most recent visit to a public facility from question 9.) Yes (Go to 14) No (Go to 16)
	14.	What kinds of programs or displays?
		(Need list or categories: signs, interpretive trails, nature walks, slide talks, visitor centers/museums, motor tour, historic markers, etc.)
	15.	
Activity Shift	16.	Have you, in the last two years, STOPPED participating in any outdoor recreation activity or activities?
		Yes (Which?) No
· .		Have you, in the last two years, BEGUN participating in any new outdoor recreation activity or activities?  Yes (Which? )(Go to 18) No (Go to 19)

	18.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity mentioned in question 17.)
		Activity Committment
•		
	19.	Have you, in the last two years, shifted the amount of time you participated in any activities? For example, do you fish less now and golf more? If so, what percent more or less?
		Activity % of Increase (+) % of Decrease (-)
		<u> </u>
Fishing		respondent indicated "fishing" as an activity in question 9, go to 20. not, go to 29.)
	20.	Let's talk about fishing for a minute. On your last fishing trip to
		, what form of transportation did you use to get from your
		resident to the fishing site?
	21.	To gain access to the water, was it necessary to cross private land?
		Yes (Go to 22) No (Go to 23)
	22.	Did you get permission from the land owner?
	22.	Yes No
		163
	23.	How many fishermen were in your party?
	23.	How many persons, in total, were in your party?
	24.	What type of fishing did you do? For example, did you: (Read those
		that apply to a given location.)
		a. lake fish from a boat Yes No
		b. lake fish from shore Yes No
		c. stream fish from a boat Yes No
		d. stream fish from shore Yes No
		e. wade fish in a stream Yes No
	25.	What species of fish did you personally catch? (List all species men-
		tioned and ask and record what numbers were kept and released.)
		Species # Kept # Released
	•	

	26.	In total, approximatley how much money did you personally spend on that trip AWAY FROM YOUR LOCAL COMMUNITY?
	27.	Approximately what percent of that total were spent in the following general categories?
		food fishing equipment, guides, boat
		lodging rentals, etc.
		transportation other retail
		transportation other retain
	28.	Have you do the last two years approximately and the said to be a
	20.	Have you, in the last two years, encountered any problems gaining access
		to fishing waters?
		Yes No (go to 29)
		What problems?
Hunting	29.	Did any members of your household go hunting or trapping during the 1975-1976-season?  Yes (Go to 30)  No (Go to 45)
عهد مد	ar :	Yes (Go to 30) No (Go to 45)
Ĵ		100 (00 20 30)
	30.	Please list the age, whether male or female, and the type of license for each hunter or trapper.
<i>;</i>		Present Age Age When First Hunted Sex License Type
		Person #1
		Person #2
		Person #3
		Person #4
		Person #5
	31.	Approximately how many days during the past season did each person hunt or trap and what species and how many of each were taken?  Type of Hunting Total Days Type (Species) Taken Number Person #1  Person #2  Person #3  Person #4  Person #5
	phea	s of hunting include: big game deer and big game bear, small game - sants, sharptail grouse, ruffed grouse, hungarian partridge, other small, water fowl, other hunting.
•	32.	How many overnight hunting trips were taken and what was the total number of days and total expenditures for each?  # Trips Total Days Total Expenditures (most recent tr
•		Person #1
		Person #2
		Person #3
		Person #4
		Person #5
·	33.	Have you or any members of your household participated in a voluntary hunter training course?
		Yes No

34.	Would you or any members of your household participate in a voluntary trapper education program?  Yes  No
	Tes No
35.	Do you or any members of your household have a Minnesota firearms safety certificate?  Yes (number of persons) No
36.	Have you or any members of your household hunted in states or provinces other than Minnesota this season?  Yes  Yes  No
	If yes, which? Number of household members
37.	Do you or any members of your household own hunting dogs?  Yes  If yes: type  number
	•
38.	Would you like to see public places to train dogs developed?  Yes  No  If yes, how close to home? miles  If yes, how often would you use it and in which months?
	month number of times
39.	Are you or any members of your household members of any sportsmen and conservation clubs or organizations?  Yes No No # of household members
40.	Should written permission be required for hunting access to private land?  Yes No
41.	Would you be willing to pay a fee for access to private lands?  No
42.	Have any members of your household participated in a muzzle loader hunt?  Yes (Go to 43)  No (Go to 45)
43.	Is a December or September muzzle loader season preferrable? (Circle one.)
44.	How far did you/they travel to participate in a muzzle loader hunt?
	following questions deal with your impressions about outdoor recreation lities.

Feelings

	45.	Do you feel you are adequately supplied with outdoor recreation faciliti  Yes (Go to 47)  No (Go to 46)
	46.	What types of facilities are you and your household lacking?  1.
	47.	Do you have any major complaints about the job the Department of Natural Resources is doing in providing for your household's outdoor recreation needs?  Yes (Go to 48)  No (Go to 49)
	48.	<del></del>
Equipment	49.	
	50.	Do you live in an incorporated community?  Yes (Which?)(Go to 52) No (Go to 51)
	51.	In which county to do you live?
	52.	How long have you lived in this county?
	53.	How long have you lived in Minnesota?
	54.	Are you married? Single?
	55.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	56.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	5 <b>7</b> .	What is your occupation?
	58.	(If applicable) Your spouse's?

59.	l am going to read some income categories. When I come to the one that includes your total annual family income, stop me. Under \$5,000\$5,000-\$9,999\$10,000-\$14,999\$15,000-\$19,999\$20,000-\$24,999\$25,000-\$29,999\$0ver \$30,000
we g	ak you very much for your help. If you would like a copy of the informatiget from this survey, give me your full name and address and I'll send one you. It will be a while before this is printed, but you'll be the first tone.
Than	ıks again.
Inte	erviewers:
1.	Was the respondent male or female? (Circle one.)
2.	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes, how?  No
3.	Did the respondent volunteer additional information?  Yes. Generally what type?  No
4.	Which questions caused problems? Question Problem
5.	Any other problems or comments?

# MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

	1.	Hello, my name is I am calling from the Minnesota Departmen of Natural Resources. Am I speaking with the male or female head of the household?
		Yes (Go to 5) No (Go to 2)
	2.	Is the head of the household there?  Yes (Go to 4)  No (Go to 3)
	3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
	4.	May I speak with the head of the household?
		Yes (Go to 1) No (Go to 3)
	5.	To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities: By knowing what you do or don't do outdoors, we can better meet your needs. May I have a few minutes of your time?
		Yes (Go to 7) No (Go to 6)
	6.	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")
		Why don't you want to participate?
People	7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
Participation	8.	I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of through , please say no. If anyone in the household participated, say yes.

	New	list (appendix A)
	9.	Now that you have told me what the members of your household have done, I need to know who, where, and when it was done. (I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do.) Let's run through one and I'll help you out as we go.
	٠	Person Activity Specifically Where WE/WD Time (Begin-Finish)
Satisfaction	in M	household member or respondent has visited any public recreation area linnesota during the defined time period (such as a neighborhood park, park, county park, state park, wildlife area, state forest, national est), go to question 10. If not, go to question 17.
	10.	We are interested in how satisfied you were with your visit to Were you: very satisfied (Go to 12), satisfied (Go to 12), dissatisfied (Go to 11), or very dissatisfied (Go to 11).
5 - 3	11.	What caused your dissatisfaction?
***	12.	What caused your satisfaction?
	13.	Were there any educational or information displays or programs when you visited (most recent visit to a public facility from question 9) No (Go to 16) Don't know (Go to
•	13a.	Did you use it?
• •	**	Yes No (Go to 16)
	14.	What kinds of programs or displays?  (Need list or categories: signs, interpretive trails, nature walks, slide talks, visitor centers/museums, motor tour, historic markers, etc.)
·	15.	Did the program or displays add to the value of your activity?  very much somewhat very little no
Activity Shift	16.	Have you, in the last two years, <u>STOPPED</u> participating in any outdoor recreation activity or activities?  Yes (Which?) No
	17.	Have you, in the last two years, <u>BEGUN</u> participating in any new outdoor recreation activity or activities?  Ves (Which? )(Go to 18)  No (Go to 19)

	18.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity Committed.)  Activity Committeent
, . •	19.	Have you, in the last two years, changed the amount of time you participate in any activities?
		Activity Less than 4- 2 2 3 + more than 3 time
	19a.	How much have you changed, ½ as much, twice as much?
Fishing		respondent indicated "fishing" as an activity in question 9, go to 20. not, go to 29.)
	20.	Let's talk about fishing for a minute. On your last fishing trip to  what form of transportation did you use to get from your residence to the fishing site?
	21.	To gain access to the water, was it necessary to cross private land? Yes (Go to 22) No (go to 23)
	22.	Did you get permission from the land owner? Yes No
	23.	How many fishermen were in your party?  How many persons, in total, were in your party?
	24.	What type of fishing did you do? For example, did you: (Read those the apply to a given location.)  a. lake fish from a boat Yes No  b. lake fish from shore Yes No  c. stream fish from a boat Yes No  d. stream fish from shore Yes No  e. wade fish in a stream Yes No
	25.	What species of fish did you personally catch? (List all species antioned and ask and record what numbers were kept and released.)  Species # Kept # Released

	26.	In total approximately how mu trip AWAY FROM YOUR LOCAL CONF	ch money did you personally spend on that water?
, ·	27.	Approximately what percent of categories?  food lodging transportation	fishing equipment, guides, boat rentals, etc.  other retail
	28.	Have you, in the last two year to fishing waters?  Yes What problems?	s, encountered any problems gaining access No (Go to 29)
Hunting	29.	Did any members of your househo year?  Yes (Go to 30)	ld go hunting or trapping during the last No (Go to 31)
	30.	in a hunting/trapping survey w Would you give me their name(s	
Feelings	faci	lities.	our impressions about outdoor recreation
	31.	Do you feel you are adequately Yes (Go to 33)	supplied with outdoor recreation facilitie No (Go to 32)
	32. 32a. 33.	1. 2. 3. 4. 5. 6. 7. Are you familiar with the Dept. Do you have any major complain Resources is doing in providin needs?  Yes (Go to 34)	8. 9. 10. 11. 12. 13. 14.
Equipment		What are those complaints?  I will read a list of recreati me which type and how many are snowmobile bicycle trailbike	on items. Please tell owned by your immediated household vacation home ice fishing hut speed boat
Sail boo	+ _	fishing boat  fishing boat office  camping vehicle	pontoon boat fourwheel drive vehicle ice boat

In o	rder to classify our responses, I need answers to the following question		
36.	Do you live in an urban or rural area?Urban (Which?)Rural		
37.	In which county do you live?		
38.	How long have you lived in this county?		
39.	How long have you lived in Minnesota?		
40.	Are you married? Single?		
41.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+		
42.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+		
43.	What is your occupation?		
44.	(If applicable) Your spouse's?		
45.	general I am going to read some income categories. When I come to the one that includes your total annual family income, stop me. Under \$5,000\$5,000-\$9,999\$10,000-\$14,999\$15,000-\$19,999\$20,000-\$24,999\$25,000-\$29,999Over \$30,000		
tion send	the you very much for your help. If you would like a copy of the informative get from this survey, give me your full name and address and I'll one to you. It will be a while before this is printed, but you'll be first to get one.		
Thanks again.			
Inte	rviewers:		
1.	Was the respondents male or female? (Circle one.)		
2.	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes, how?		
	No		

•	ons caused problems	?	
Question	Problem		
A-1-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
		t	<del></del>
The second secon			 
Any other pr	oblems or comments?	•	 

Jall	Inititated at	
Call	completed at	

### PF (NOT TESTED)

### MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

		of Natural Resources. Am I speaking with the male or female head of the household?  Yes (Go to 5)  No (Go to 2)
	2.	Is the head of the household there?  Yes (Go to 4)  No (Go to 5)
	3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
	4.	May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)
	5.	To aid the Department in its planning, we are asking Minnesota residents to tell us about thier household's outdoor recreation activities. By knowing what you do or don't do outdoors, we can better meet your needs.  May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
	6.	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")
People	7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
Participation	8.	I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of

New list	(appendix	A)
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	9.	Now that you have told me what the members of your household have done, I need to know where they did each activity and when it was done. I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do. I'll read the first name of the person and the activity and you tell me, as best as you can, where that activity took place, what day of the week it was on, and the amount of time involved.
		Person Activity Specifically Where WE/WD Time (Begin-Fini
Ti	10	
	10.	Did you/they use any educational or informational displays or programs when you/they visited (most recent visit to a public facility from question 9).  Yes (Go to 11) No (Go to 13)
	11.	What kinds or programs or displays?  (Need list or categories: signs, interpretive trails, nature walks, slide talks, visitor centers/museums, motor tour, historic markers, etc.)
	12.	Did the programs or displays add to the value of your activity?  very much somewhat very little no
Activity Shift	13.	Have you, in the last two years, <a href="STOPPED">STOPPED</a> participating in any outdoor recreation activity or activities?  Yes (Which?)  No
	14.	Have you, in the last two years, <u>BEGUN</u> participating in any new outdoor recreation activity or activities?  Yes (Which?)(Go to 15) No (Go to 16)
	15.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity mentioned in question 14.)  Activity Committment

	16.	pate in any activities? For example, do you fish less now and golf more If so, what percent more or less?
		Activity % of Increase (+) % of Decrease (-)
Fishing		respondent indicated "fishing" as an activity in question 9, go to 17. no, go to 26.)
	17.	Let's talk about fishing for a minute. On your last fishing trip to, what form of transportation did you use to get from your residence to the fishing site?
	18.	To gain access to the water, was it necessary to cross private land?  Yes (Go to 19)  No (Go to 20)
	19.	Did you get permission from the land owner? No
	10.	How many fishermen were in your party?  How many persons, in total, were in your party?
	21.	What type of fishing did you do? For example, did you: (Read those that apply to a given location.)  a. lake fish from a boat Yes No b. lake fish from shore Yes No c. stream fish from a boat Yes No d. stream fish from shore Yes No e. wade fish in a stream Yes No
	22.	What species of fish did you personally catch? (List all species mentioned and ask and record what numbers were kept and released.)
		Species # Kept # Released
	23.	In total, approximately how much money did you personally spend on that trip AWAY FROM YOUR LOCAL COMMUNITY?
	24.	Approximately what percent of that total were spent in the following general categories?
		food fishing equipment, guides, boat rentals, etc.
		transportation other retail
		orner real

	25.	Have you, in the last two years, encountered any problems gaining access to fishing waters?
		Yes No (Go to 26) What problems?
Hunting	26.	1975-1976 season?
		Yes (Go to 27) No (Go to 28)
	27.	We would like the hunter(s)/trapper(s) in your household to participate in a hunting/trapping survey which would be mailed to your residence. Would you give me their name(s) and address? Name Address
Equipment	28.	
	In o	rder to classify our responses, I need answers to the following questions
	29.	Do you live in an incorporated community?  Yes (Which?)(Go to 31) No (Go to 30)
	30.	In which county do you live?
	.31.	How long have you lived in your county?
	32.	How long have you lived in Minnesota?
	33.	Are you married? Single?
	34.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
•	35.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
·	36.	What is your occupation?
,	37.	(If applicable) Your spouse's?

3	I am going to read some income categories. When I come to the one that includes your total annual family income, stop me. Under \$5,000\$5,000-\$9,999\$10,000-\$14,999\$15,000-\$19,999\$10,000-\$24,999\$25,000-\$29,999\$0ver \$30,000	•
w t	ank you very much for your help. If you would like a copy of the informat get from this survey, give me your full name and address and I'll send on you. It will be a while before this is printed, but you'll be the first one.	e
T	anks again.	
I	erviewers:	
1	Was the respondent male or female? (Circle one.)	
2	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?  No	
3	Did the respondent volunteer additional information?  Yes Generally what type?  No	-
4	Which questions caused problems? Question Problem	
5	Any other problems or comments?	-

PS

## MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

	1.	Hello, my name is I am calling from the Minnesota Department of Natural Resources. Am I speaking with the male or female head of the household? No (Go to 2)
	2.	Is the head of the household there?  Yes (Go to 4)  No (Go to 3)
	3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
	. 4.	May I speak with the head of the household?  Yes (Go to 1)  No (Go to 3)
	5.	To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities. By knowing what you do or don't do outdoors we can better meet your needs.  May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
	6.	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few household are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7) No (Terminate: "Thank you for your time.") Why don't you want to participate?
People	e 7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
articipation	n 8.	I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of through , please say no. If anyone in the household participated, say yes.

	9.	Now that you have told me what the members of your household have 35 done, I need to know who, where, and when it was done. (I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do.) Let's run through one and I'll help you out as we go.
•	٠	Person Activity Specifically Where WE/WD Time (Begin-Finish)
	Min par	a household member or respondent has visited any public recreation area in mesota during the defined time period (such as neighborhood park, city k, county park, state park, wildlife area, state forest, national forest), to question 10. If not, go to question 17.  We are interested in how satisfied you were with your visit to
		Were you: very satisfied (Go to 12), satisfied (Go to 12), dissatisfied (Go to 11), or very dissatisfied (Go to 11).
	11.	What caused your dissatisfaction?
	12.	What caused your satisfaction?
Education		Were there any educational or information displays or programs when you visited (most recent visit to a public facility from question 9).  Yes (Go to 14) No (Go to 16) Don't know (Go to 16)  Did you use it?
	-	Yes No (Go to 16)
•		What kinds of programs or displays?  (Need list or categories: signs, interpretive trails, nature walks, slide talks, visitor centers/museums, motor tour, historic markers, etc.)
•••	15.	Did the programs or displays add to the value of your activity?  very much somewhat very little no
Activity Shift	16.	Have you, in the last two years, STOPPED participating in any outdoor recreation activity or activities?  Yes (Which?) No
÷	17.	Have you, in the last two years, BEGUN participating in any new outdoor recreation activity or activities?  Yes (Which?)(Go to 18) No (Go to 19)

New list (appendix A)

	18.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity mentioned in question 17.)  Activity Committment
	19.	Have you in the last two years changed your participation in any activities?
		YesNo (Go to 20)
		What activities?
	1 <b>9</b> a.	If so, how many times did you do it two years ago? how many times did you do it last year?
Hunting Fishing	20.	Did any members of your household go fishing, hunting, or trapping during the last year?  Yes (Go to 21)  No (Go to 22)
V.		If yes, which?
	21.	We would like the sportsmen in your household to participate in a hunting or fishing survey which would be mailed to uour residence. Would you give me their name(s) and address?  Name
		Address
Feelings		following questions deal with your impressions about outdoor recreation lities.
•	22.	Do you feel you are adequately supplied with outdoor recreation facilities?  No (Go to 23)  No (Go to 23)
	23.	What types of facilities are you and your household lacking?  1. 8.
		2. 9.
		3. 10. 4. 11.
		5. 12.
		6. 13. 7. 14.
	28a. 24.	Are you familiar with the Dept. of Natural Resources? Yes NO To you have any major complaints about the job the Department of Natural Resources is doing in providing for your household's outdoor recreation
		needs?  Yes (Go to 34)  No (Go to 35)
	25.	What are those complaints?

Equipment	76	I will read a list of recreation items. Please tell me which type and how many are owned by your immediated household.
		snowmobile vecation home
		bicycle ice fishing hut
		trailbike speed boat
		fishing boat pontoon boat
		fishing boat fourwheel drive vehicle
		appring rebiols
		100
		Tent
·	In o	rder to classify our responses, I need answers to the following questions.
•	知.	Do you live in an urban or rural area? Urban (Which?)Rural
	Ar	In which county do you live?
	29.	How long have you lived in this county?
	30.	How long have you lived in Minnesota?
;	31.	Are you married? Single?
	32.	What is your highest grade of year of education completed?  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	33.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	34.	What is your occupation?
	35.	(If applicable) Your spouse's?
	36.	I am going to read some income categories. When I come to the one that includes your total annual family income, stop me.  Under \$5,000
		\$5,000-\$9,999
		\$10,000-\$14,999
		\$15,999-\$19,999
		\$20,000-\$24,999
•		\$25,000-\$29,999
		Over \$30,000

Thank you very much for your help. If you would like a copy of the information we get from this survey, give me your full name and address and I'll send one to you. It will be a while before this is printed, but uou'll be the first to get one.

1.

## MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

Hello, my name is \_\_\_\_\_. I am calling from the Minnesota Department

		2.	of Natural Resources. Am I speaking with the male or female head of the household?  Yes (Go to 5)  No (Go to 2)  Is the head of the household there?  Yes (Go to 4)  No (Go to 3)
		3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
		4.	May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)
Ç		5.	To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities. By knowing what you do or don't do outdoors we can better meet your needs.  May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
		6-	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")  Why don't you want to participate?
	People	7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
Partic	ipation	8.	I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of through , please say no. If anyone in the household participated, say yes.
c			

	New list (appendix A)	
	9. Now that you have told me what the members of your household have done, I need to know who, where, and when it was done. (I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do.) Let's run through one and I'll help you out as we go.	
Ć.	Person Activity Specifically Where WE/WD Time (Begin-Finish)	
		_
		<b>-</b>
		_
Activity Shift	10. Have you, in the last two years, <u>STOPPED</u> participating in any outdoor recreation activity or activities?	
·	Yes (Which? No	
	11. Have you, in the last two years, <u>BEGUN</u> participating in any new outdoor recreation activity or activities?  Yes (Which?) (Go to 12) No (Go to 13)	
2	12. How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity mentioned in 11.)  Activity Committment	
-		
13	. Have you in the last two years changed your participation in any activities	3?
	YesNo (Go to 20)	
	What activities?	
1 <b>3</b> a	If so, how many times did you do it two years ago? how many times did you do it last year?	
Hunting 14 Fishing	Did any members of your household go fishing, hunting, or trapping during the last year?  Yes  No (Go to 15)  If yes, which? (Go to 15)	

	15.	We would like the sportsmen@ in your household to participate in a hunting or fishing survey which would be mailed to your residence. Would you give me their name(s) and address(es)?  Name  Address
Equipment	£ <b>5</b> .	I will read a list of recreation items. Please tell  me which type and how many are owned by your immediated household.  snowmobile  bicycle  trailbike  fishing boat  fishing boat  camping vehicle  camping vehicle
	In o	rder to classify our responses, I need answers to the following questions.
17	36.	Do you live in an urban or rural area?Urban (Which?)Rural
18	37-	In which county do you live?
	19.	How long have you lived in this county?
٠.	20.	How long have you lived in Minnesota?
	-	Are you married? Single?
	22.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	23.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	24.	What is your occupation?
	25.	(If applicable) Your spouse's?
	26.	<pre>I am going to read some income categories. When I come to the one that includes your total annual family income, stop me. Under \$5,000</pre>

Thank you very much for your help. If you would like a copy of the information we get from this survey, give me your full name and address and I'll send one to you. It will be a while before this is printed, but you'll be the first to get one.

Was the respondent male or female? (Circle one.)
Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
No
Did the respondent volunteer additional information?  Yes Generally what type?
No .
Which questions caused problems?
Question Problem
Any other problems or comments?

# MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

1.	Hello, my name is I am calling from the Minnesota Department of Natural Resources. Am I speaking with the male or female head of the household? Yes (Go to 5) No (Go to 2)
2.	Is the head of the household there?  Yes (Go to 4)  No (Go to 3)
3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
4.	May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)
5.	To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities. By knowing what you do or don't do outdoors we can better meet your needs.  May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
6.	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")  Why don't you want to participate?
7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
8.	I am going to read a number of recreation activities. If no members of your household OVER 6 YEARS OF AGE participated in that activity during the period of through , please say no. If anyone in the household participated, say yes.

People

articipation

	MeM	Tist (appendix A)	
	9.	Now that you have told me what the members of your household have done, I need to know who, where, and when it was done. (I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do.) Let's run through one and I'll help you out as we go.	
		Person Activity Specifically Where WE/WD Time (Begin-Finish)	-
			- -
Activity Shift	10.	Have you, in the last two years, STOPPED participating in any outdoor recreation activity or activities?  Yes (Which?)No	
	11.	Have you, in the last two years, <u>BEGUN</u> participating in any new outdoor recreation activity or activities?  Yes (Which?)(Go to 12)No (Go to 13)	
	12.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each activity mentioned in 11.)  Activity Committment	
13	. На	YesNo (Go to 20)	?
	Wh	at activities?	
1 <b>3</b> a.		so, how many times did you do it two years ago? how many mes did you do it last year?	
Hunting 14 Fishing	th	any members of your household go fishing, hunting, or trapping during e last year?  Yes  No (Go to 15)  Yes, which?  (Go to 15)	

	15.	We would like the sportsmen in your household to participate in a huntin or fishing survey which would be mailed to your residence. Would you give me their name(s) and address(es)?  Name  Address
•		Address
Equipment	<b>₿6</b> .	I will read a list of recreation items. Please tell  me which type and how many are owned by your immediated household.  snowmobile  bicycle trailbike  railbike  recreation items. Please tell  vacation home ice fishing hut speed boat
		fishing boat pontoon boat  Salling boat fourwheel drive vehicle  camping vehicle ice boat
		other
	Tn o	rder to classify our responses, I need answers to the following questions
17		Do you live in an urban or rural area?
. 18	37-	In which county do you live?
ــ ـــــــــــــــــــــــــــــــــــ	19.	How long have you lived in this county?
	20.	How long have you lived in Minnesota?
	21.	Are you married? Single?
	22.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	23.	(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	24.	What is your occupation?
	25.	(If applicable) Your spouse's?
	26.	I am going to read some income categories. When I come to the one that includes your total annual family income, stop me. Under \$5,000\$5,000-\$9,999\$10,000-\$14,999\$15,000-\$19,999\$20,000-\$24,999\$25,000-\$29,999\$0ver \$30,000

Thank you very much for your help. If you would like a copy of the information we get from this survey, give me your full name and address and I'll send one to you. It will be a while before this is printed, but you'll be the first to get one.

e	rviewers:
	Was the respondent male or female? (Circle one.)
	Did the respondent react negatively to the questionnaire? (too long difficult to answer, etc.)  Yes How?
	No
	Did the respondent volunteer additional information?  Yes Generally what type?  No
	NO NO
	Which questions caused problems?
	Question Problem
	Any other problems or comments?

## P<sub>1</sub> cal (categorized Activity List)

# MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

	1.	Hello, my name is I am calling from the Minnesota Department of Natural Resources. Am I speaking with the male or female head of the household? Yes (Go to 5) No (Go to 2)
	2.	Is the head of the household there?  Yes (Go to 4) No (Go to 3)
	3.	When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
	4.	May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)
	5.	to tell us about their household's outdoor recreation activities. By knowing what you do or don't do outdoors we can better meet your needs.  May I have a few minutes of your time?
		Yes (Go to 7) No (Go to 6)
	6.	This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")  Why don't you want to participate?
People .	7.	Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
rticipation	8.	I am going to read some general recreation categories to you. If a member of your household has participated in an activity you think falls into one of the categories, please tell me what the activity is.

(Record all activities mentioned. Collect details, however, on

only those activities listed.)

Nev	list	(appendix	A)
		( appoint	,

	9.	Now that you have told me what the members of you done, I need to know who, where, and when it was that this may be hard to remember, but it's very are going to be able to give your household the othe kinds of things you like to do.) Let's run to I'll help you out as we go.	done. (I realize important if we apportunity to do
		Person Activity Specifically Where WE/WD	Time (Begin-Finish)
٠			
Activity	10.	Have you, in the last two years, STOPPED particip	pating in any outdoor
Shift		recreation activity or activities?  Yes (Which?	No
	11.	Have you, in the last two years, BEGUN participat recreation activity or activities?  Yes (Which?)(Go to 12)	No (Go to 13)
	12.	How committed are you to continued participation in Very committed, committed, not very committed. (Rementioned in 11.)  Activity	Repeat for each activity
13.	Har	ve you in the last two years changed your particip	pation in any activities?
	Wha	at activities?	
13a.		so, how many times did you do it two years ago? mes did you do it last year?	how many
_	the	d any members of your household go fishing, hunting e last year?  Yes  Yes  Yes, which?  (Go to 15)	g, or trapping during

	15.	We would like the sportsmen in your household to participate in a hunting or fishing survey which would be mailed to your residence. Would you give me their name(s) and address(es)?
		Name
•		Address
Equipment	16	I will read a list of recreation items. Please tell me which type and how many are owned by your immediated household.
		snowmobile vacation home bicycle ice fishing hut trailbike speed boat fishing boat pontoon boat
		fishing boat pontoon boat fourwheel drive vehicle
		camping vehicleice boat
. •	•	canoe other
•	In o	rder to classify our responses, I need answers to the following questions.
17	₩.	Do you live in an urban or rural area?
18	جهد	In which county do you live?
(	19.	How long have you lived in this county?
	20.	How long have you lived in Minnesota?
	21.	Are you married? Single?
	22.	What is your highest grade or year of education completed?  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
		(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
	24.	What is your occupation?
	25.	(If applicable) Your spouse's?
	26.	I am going to read some income categories. When I come to the one that includes your total annual family income, stop me.  Under \$5,000
		\$5,000-\$9,999 \$10,000-\$14,999 \$15,000-\$19,999
		\$20,000-\$24,999 \$25,000-\$29,999 Over \$30,000

Thank you very much for your help. If you would like a copy of the information we get from this survey, give me your full name and address and I'll send one to you. It will be a while before this is printed, but you'll be the first to get one.

te	rviewers:
	Was the respondent male or female? (Circle one.)
	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
	No
	Did the respondent volunteer additional information?  Yes Generally what type?  No
	Which questions caused problems? Question Problem
•	Any other problems or comments?

#### - SHOOTING SPORTS

Hunting - firearm - big game, small game, waterfowl Hunting - archery - big game, small game, waterfowl Shooting trap, skeet, range Other

#### - WATER-RELATED ACTIVITIES

Fishing
Swimming
Power boating
Water skiing
Sailing
Canoeing

## - ON-FOOT ACTIVITIES

Hiking Backpacking Orienteering

#### LAND-MOBILE

Bicycling
Horseback riding
Fourwheeling
Trailbiking

#### - SPORTS, ACTIVE GAMES

Baseball
Softball
Football
Golf
Tennis
Archery

#### CAMPING

- PICNICKING
- VISITING HISTORIC SITES
- NATURE STUDY

## P<sub>1</sub> opmended

1.

## MINNESOTA OUTDOOR RECREATION PRETEST QUESTIONNAIRE #5

Hello, my name is . I am calling from the Minnesota Department

	of Natural Resources. Am I speaking with the male or female head of the household?  Yes (Go to 5)  No (Go to 2)
	2. Is the head of the household there?  Yes (Go to 4)  No (Go to 3)
	3. When might I be able to reach the head of the household? (Record the information in return call space and terminate call.)
	4. May I speak with the head of the household?  Yes (Go to 1) No (Go to 3)
:	To aid the Department in its planning, we are asking Minnesota residents to tell us about their household's outdoor recreation activities. By knowing what you do or don't do outdoors we can better meet your needs. May I have a few minutes of your time?  Yes (Go to 7)  No (Go to 6)
	6. This is an opportunity for you to have a direct influence on how your tax money and the resources of Minnesota are used, especially since only a few households are being asked to participate. It is in your own self-interest and that of your family to answer these questions and we would sure like your input. You have been randomly selected from a list of telephone numbers. Unless you wish to identify yourself, confidentiality will be maintained. Now, may I ask you a few questions?  Yes (Go to 7)  No (Terminate: "Thank you for your time.")  Why don't you want to participate?
People	7. Beginning with the youngest, please give me the first name, age, and whether male or female of each member of your household currently living at home. (Use only those persons over 6 years of age for participation data and list from the youngest to the oldest.)
rticipation 8	We're interested in the outdoor recreation activities that you and the members of your household have participated in during the period of through . Would you please tell me what each family member has done during that period?  (Record all activities on recording sheet. Go to question ? for activities of interest only.)

New	list	(appendix	A)
A1 C 1/		( 4 + 2 + 1 + 1 + 2 + 2 + 2 + 2 + 2 + 2 + 2	4 - 1

	9.	Now that you have told me what the members of your household have done, I need to know who, where, and when it was done. (I realize that this may be hard to remember, but it's very important if we are going to be able to give your household the opportunity to do the kinds of things you like to do.) Let's run through one and I'll help you out as we go.	ie .
	•	Person Activity Specifically Where WE/WD Time (Begin-Fini	ish)
	•		
,			
Activity Shift	10.	Have you, in the last two years, STOPPED participating in any out recreation activity or activities?	door
SHIIL ;		Yes (Which? No	
	11.	Have you, in the last two years, <u>BEGUN</u> participating in any new o recreation activity or activities?  Yes (Which? )(Go to 12) No (Go to	
	12.	How committed are you to continued participation in?  Very committed, committed, not very committed. (Repeat for each a mentioned in 11.)  Activity Committment	ctivity
13.	Ha	we you in the last two years changed your participation in any act	ivitie
		YesNo (Go to 20)	
	Wha	at activities?	
13a.		so, how many times did you do it two years ago? how mes did you do it last year?	any
Hunting 14. Fishing	the	d any members of your household go fishing, hunting, or trapping due last year?  Yes  No (Go to 16)  yes, which?  (Go to 15)	ring

	15.	We would like the sportsmen in your household to participate in a hunting or fishing survey which would be mailed to your residence. Would you give me their name(s) and address(es)?  Name  Address
quipment	15	I will read a list of recreation items. Please tell  me which type and how many are owned by your immediated household.  snowmobile  bicycle  trailbike  fishing boat  Salling boat  fourwheel drive vehicle
		camping vehicle ice boat  canoe other  tent
17		rder to classify our responses, I need answers to the following questions.  Do you live in an urban or rural area?
18	مبهن	In which county do you live?
ŧ.	19.	How long have you lived in this county?
· <b>-</b>	20.	How long have you lived in Minnesota?
	21.	Are you married? Single?
	22.	What is your highest grade or year of education completed? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
		(If applicable) Your spouse's? 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+
•	24.	What is your occupation?
	25.	(If applicable) Your spouse's?
	26.	<pre>I am going to read some income categories. When I come to the one that includes your total annual family income, stop meUnder \$5,000\$5,000-\$9,999\$10,000-\$14,999\$15,000-\$19,999\$20,000-\$24,999\$25,000-\$29,999 Over \$30,000</pre>

Thank you very much for your help. If you would like a copy of the information we get from this survey, give me your full name and address and I'll send one to you. It will be a while before this is printed, but you'll be the first to get one.

erviewers:	•	
Was the respondent male or fer	male? (Circle one.)	
Did the respondent react negated difficult to answer, etc.)  Yes How?		(too long,
No		
Did the respondent volunteer a		
No	•	
Which questions caused problem Question	ns? Problem	
-		
Any other problems or comments	3?	
	,	

	•		
		·	

APPENDIX B

ANSWER SHEETS USED IN PRETEST

· •

## MINNESOTA OUTDOOR RECREATION SURVEY - TELEPHONE ACTIVITY FORM

Int	return call schedule for <u>each</u> respondent that requires a return is completed, cross out the *.	call made urn call.	ess, phone number, outcome , and . Place a * in margin by any potential When the return call procedure
1.*	date & time of lst call:return call schedule:	,	phone: <u>429_68</u> 90
	date & time of return call(s):	First:	Outcome:
	. ,	Second:	Outcome:
2.	date & time of 2ndcall: return call schedule:		phone:
	date & time of return call(s):	First:	Outcome:
	2200 2 220000 2200000 2200000	Second:	Outcome:
3.	date & time of 3rd call:return call schedule:		phone:
	date & time of return call(s):	First:	Outcome:
	date a time of feture carry,	Second:	Outcome:
~ .	MINNESOTA OUTDOOR RECREATION	SURVEY	•
Ince	erviewer Instructions: When you he or she has agreed to coopera this form beginning with questi	te (ques	
7.	Household members:		
	First Name	Age	Sex
		***********	
			•
-			
			· .
			- V
		-	POLICE CONTRACTOR CONT
			- Landston Control of the Control of
		*********	

8 and 9. List in one block the name of a person who recreated and use one line for each occurance. For example, if one person over 6 years of age played golf 3 times during the sample period record "golf" on 3 activity lines. Do the same for all activities for that person then move on to the next person. For question 9, come back to the person's block and record the location, day and duration for each activity occurence.

Name:				Name:			•
Activity	Location	WE/W	D Duration	Activity	Location	WE/WD	Duration
			4				
And the second s							
,			4				
-							
				• • • • • • • • • • • • • • • • • • • •			
				•		·	
Name:				Name:			
Activity	Location	WE/W	D Duration	Activity	Location	WE/WD	Duration
				Philips or again serve and Philips of Miles and Shading and			
		•					

Name:				Name:			
Activity	Location	WE/WD .	Duration	Activity	Location	WE/WD	Duration
				*			
			*				
			,				
					1		
		-					
						•	
Name:				Name:			
Activity	Location	WE/WD	Duration	Activity	Location	`	Duration
			•				
							<u> </u>

ac-	10.	Site visited:  very satisfied satisfie	d dissatisfied	very dissa
	11.	Dissatisfaction (record verbatim):		-
	12.	Satisfaction (record verbatim):		
100	13.	Educational Info.: Site visited:		
		Yes	_ No	
		. Used: List of programs or displays:		
	15.	Value of Info.: very much somewhat	very little no	
Į	16.	Stopped participating:  Yes Activities:	No	
	17.	Begun participating:Yes Activities:	_ No	
,	Comm	ittment		
	18.	For each activity in 17: Activity Very	Committed Committed Not v	ery Committed

	Acti	vity Shift:	•					
		Activity	* .	% of Increa	se %	of Decreas	е	
			• .:-					
				•				
•			•				<del></del>	
	Most	recent trip:	•					
ishing		Site visited:	• • •	•				
		Forms of transportation:		•				
	21.	Access:						
		Yes		No		•		
				-		•	•	
	22.	Permission:					•	
		Yes .		No				
	23.	Party size:				•		•
		# of fishermen:					·	
	•	# in party						
				•				
	24.	Type of fishing:						
(		lake fish from boat		Yes		Йo		
		lake fish from shore					•	
		stream fish from boat						
		stream fish from shore						
		wade fish in stream				<del></del>		• :
							•	
	25.	Species caught:						
		Species		# kept	#	released	•	
		•						
					-			
•								
				<del></del>				
	26.	Money spent:		•		•		
	<b>æ</b> .	\$						
	,							
	21.	Spending distribution:						
		% food		%	fishin	g equipment	, guides,	etc.
		Z lodging				retail		
		% transportation	on					
	28.	Access problems:						
		Yes		No				
		Problems:						
ě								

29.	Hunting Ye		pping:	Name and Association and Assoc	_ No				
30.	License: Person #1	Age	Age When Firs	t Hunted	Sex	License ty	pe لا)		
	#2								-
	#3						<del></del>		• .
	#4								-
	<b>#</b> 5	·				•			-
	.*	D	on't know		,				
31.	Amount o	f hunt	ing:						
	Person	Type(	s) of hunting	Total da	ays for	each type	Species to		mbe:
	#1								Sper
	#2								
	#3								rui rawarawa
	#4							management and the first	Development Contracts
	#5 Don't kno								CONTRACTOR
***			eer, bear, phe	acante di	COLLEG	nartridge (	other small	name us	ter
-	, etc.		cor, boar, pile			parazzago,			
32.	Overnight	t trin	G •			•	• ,		
<i>J</i>	Person		rnight trips	Total day	s To	tal expendi	ures (most	recent t	lip
	#1		0				•		•
	#2							•	
	#3						-	•	
	#4								
	<i>\$</i> 5								
	Don't kno	ow							•
33.	Hunter to	rainin	g:						
	Yes	3		No		•		•	
						•			
34.	Trapper 1		ng:	No					
	Yes	S		No					
35.	Safety co	ertifi	cate:						•
٠.	Yes		#	No					
		-	<del></del>		•				
36.	Hunted e								
•	Yes	s w	hich =	No					
							•		
37.	Hunting o			n	37				
	Yes .	Type		#	No	)			
			,					•	
					•		•	•	
						-			

	38.	Dog training facility:					
•		Yes times used		iles onths	No	•	
•	39.	Clubs:			•		
		Yes	No.		•		
		Club name	# of hou	usehold	members		
				<del></del>			
	40.	Permission:		-			
		Yes	No	)			
	41.	Access fee:					
		Yes	No	)			
•	42.	Muzzle loader hunt:					
		Yes	No	)	** *		
	43.	Muzzle loader season:					
		September	De	ecember			
	44.	Muzzle loader travel:			•		
		miles			•		
eelings	45.	Supply of facilities:					:
		Yes	No	· ·			•
	46.	Facilities lacking:					
	•						
					•		
							<del></del>
٠	47.	Complaints:					
		Yes		_ No			
	48.	List of complaints (verbatim)					
		1. 2.				· · · · · · · · · · · · · · · · · · ·	
		3.					
		4.	<del> </del>				

Demograp-	,	Recreation vehicles: (List number of each owned)  snowmobile  bicycle  trailbike  sailboat  fishing boat  camper, clup  Community:  Yes  Name	No
	51.	County:	
	52.	Time in county: years	
	53.	Time in Minnesota: years	
	54.	Marital Status: married	si
<b>:</b>	55.	Education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+	
	56.	Spouse's education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+	
	57.	Occupation:	
	58.	Spouse's occupation:	<u>.</u>
	59.	Income category: Under \$5,000 \$20,000-\$24,999 \$10,000-\$14,999 \$25,000-\$29,999 \$15,000-\$19,999 Over \$30,000	•
	60.	Sex of respondent: (completed by interviewer):  Male Female	

## Interviewers:

,	Was the respondent male or female? (Circle one.)
	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
•	Did the respondent volunteer additional information?  Yes Generally what type?
•	Which questions caused problems? Question Problem
•	Any other problems or comments?

PSF	Name Call	initiated at
	MINNESOTA OUTDOOR RECREATION SURVEY	- TELEPHONE ACTIVITY FORM
Int	erviewer Instructions: Record name, add return call schedule for <u>each</u> call mad respondent that requires a return call is completed, cross out the *.	e. Place a * in margin by any potent . When the return call procedure
1.*	return call schedule:	phone: 926-70)4
	date & time of return call(s):	Outcome:
2.	date & time of 2nd call: return call schedule:	phone:
	date & time of return call(s):	Outcome:
		The second
3.	date & time of 3rd call:return call schedule:	phone:
	date & time of return call(s):	Outcome:
		<u>.</u>
*	Possible outcomes (record code number)  a. completed interview	
	no answer (schedule call back at	or later in same interview period) different time of day) ule call back when head at home)

											NAME
											ACTIVITY
											LOCATION
	-		g		Wilder the control of						BEGINNING DAY
						-			-		TIME
							•				DURATION
) <sub>1</sub>	Base your special spec			Village construction of the Construction of th				And the second s			TDÆ OUT

FIRST NAME		AGE	SEX	•	FIRST NAM	E			
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В.	,		-	•	F				
C					G				٠
D.					н.				
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			•						
NAME		ACTIVITY		LOCATION		BEGINNING	TIME	DURATION	TIME
						DVA	IN		OUT
	•					-	<del></del>	•	<del></del>
	-					BARROWN LOWER PARTY.	*	gudgudumnadmidmaana ,	
	-		and the second second	processing the second s		<del>gardening and a</del>			
	-	Workshop to the Parkshop to the Control of the Cont	-				tanatura antiquatura	Managed de Martin de 1985	
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				<del></del>		*		·	
	-					destriblionestrollarina		general construction and the second	
	<b>.</b>						-		-
	•				-			galoudistantinos transferancia de la companión	sametings are disconnected with the same
				× .					
		Charles in 1999, ago and any data of 1999 of an electric region in species species		providence of the following or of the security			Capita dia mily, according rigoromic stiffs	Monument and a section of the sectio	
destination of the content of the destination of the content of th	-				·		-		

	very satisfied	satisfied	dissatisfied	very di
11.	Dissatisfaction (record	verbatim):		
12	Satisfaction (record was	rhatim).		
12.	Satisfaction (record ve	I Ud CIM) .		
		•		
13.	Educational Info.:	•		
	Site visited:			
·	Yes	No	D	on't know
	use:		•	•
133,	YE5	No		
		-		
14	List of programs or disp	nlavs:		
17.	Disc of programs of dis			
,				
15.	Value of Info.:	•		•
	very much	somewhatve	ery little no	
				<i>:</i>
16	Stopped participating:	• •	-	
16.	Stopped participating:Yes	No		
16.		No		
16.	Yes Activities:	No		
16.	Yes Activities:	No		
16.	Yes Activities:	No		
	Yes Activities:	No		
	Yes Activities:  Begun participating: Yes	No		
	Yes Activities:  Begun participating:	No		
	Yes Activities:  Begun participating: Yes	No		
	Yes Activities:  Begun participating: Yes	No		
	Yes Activities:  Begun participating: Yes	No		
17.	Yes Activities:  Begun participating: Yes Activities:	No		
17.	Yes Activities:  Begun participating: Yes Activities:  Activities:	No		
17.	Yes Activities:  Begun participating: Yes Activities:	No		
17.	Yes Activities:  Begun participating: Yes Activities:  Activities:	No		

	Acti	vity Shift:		Scale	•
		Activity	.19a 1/4	1/2 2 3+	•
٠					
•					
		recent trip:			
shing	20.	Site visited: Forms of transportation:			
		Torius of transportation.			
٠	21.	Access:		•	
		Yes	No		
	22.	Permission:		•	
	22.	Yes	No		•
·		•	Marie Carlos de Carlos de Carlos	•	
	23.	Party size:		•	•
•	:	# of fishermen:			
		# in party			•
•	24.	Type of fishing:		•	
		lake fish from boat	Yes	No	
•		lake fish from shore			
•		stream fish from boat stream fish from shore		······································	
		wade fish in stream		•	•
	35 '	Casaina asyaht.			•
	25.`	Species caught: Species	<b>∄</b> kept	∜ released	
	ė				
	•				
			•		
	26.	Money spent:			
		\$		•	
•	27.	Spending distribution:			• •
	27-	% food	%	fishing equipment,	guides, etc.
		% lodging	%	other retail	
		% transportation	•		
	28.	Access problems:			
	٤0.	Yes	No	•	
		Problems:			

29.	Hunting or trapping:Yes	No	
30.	Name:		
	Address:		
	Name:		
	Address:		
	Name:		
	Address:		
	Name:		
•	Address:		
	Name:		
	Address:		

_	
7	•

Yes	No	•
2. Facilities lacking:		
		•
Familiar with:		
\$ /	No	
2aYES	195	
	170	
3. Complaints:		
	No	
<ul><li>3. Complaints:</li><li>Yes</li><li>4. List of complaints (ver</li></ul>	No	
<ul><li>3. Complaints:     Yes</li><li>4. List of complaints (ver</li><li>1.</li></ul>	No	
33. Complaints: Yes  4. List of complaints (ver	No	

ngs

	sailboat fishing boat canoe	camping ushicls  vacation home - second home  speed boat  pontoon boat  fourwheel drive vehicle  ice boat		
ograp-	36. Community:	ice fishing hut	•	: Rura
	37. County:		•	, LUIO
	38. Time in county:			
	39. Time in Minnesota: years	s		
•	40. Marital Status:	married		sing
	41. Education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	16 16+		
	42. Spouse's education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	16 16+		
	43.Occupation:	· · ·		
	· 44-Spouse's occupation:			
	Under \$5,000. \$10,000-\$14,999 \$15,000-\$19,999	\$20,000-\$24,999 \$25,000-\$29,999 Over \$30,000		•
. <	SURVEY RESULTS?	r - 1 - <u>1</u> - 1	·	
	(.	· · · · · · · · · · · · · · · · · · ·		· .
•	2.			
	3. 4.			
,	5.			

,	Name	Call initiated at		
	MINNESOTA OUTDOOR RECREATION	SURVEY - TELEPHON	E ACTIVITY F	ORM
Inte	rviewer Instructions: Record name return call schedule for each correspondent that requires a retuin is completed, cross out the *.	all made. Place a	<pre># in margir</pre>	by any potent
1.*	maturn call achedula:		_ phone:	738-2498
	date & time of return call(s):		Outcome:	e
2.	date & time of 2nd call: return call schedule:			
	date & time of return call(s):		Juccome:	
3.	date & time of 3rd call: return call schedule:		phone:	
	date & time of return call(s):	),	Outcome:	
ŧ	Possible outcomes (record code as completed interview b. refused cooperation c. phone disconnected d. busy signal (schedule call		same interv	iew period)

no answer (schedule call back at different time of day)

household head not at home (schedule call back when head at home)

c.

d.

•			-					•				•
The second of th								-	-			NAME
		1										ACTIVITY
·	The state of the s											LOCATION
												BEGINNING DAY
-												INE
												DURATION
												TEE

FIRST NAME	AGE	SEX	× €	FIRST NAM	E			
			· 1		,			
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1.	Was the respondent male or female? (Circle one.)
2.	Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
	No
3.	Did the respondent volunteer additional information?  Yes Generally what type?
	No No
4.	Which questions caused problems? Question Problem
5.	Any other problems or comments?

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23	42. Spouse's education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+	
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do s	*S. Income category: Under \$5,000	

Was the respondent male or female? (Circle one.)
Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
No
Did the respondent volunteer additional information?  Yes Generally what type?  No
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	in will read a list of recreation vehicles or watercraft. Please tell me which type and how many are owned by your immediate household.  snowmobile  bicycle  trailbike  sailboat  fishing boat  fishing boat  camper camping Vehicle  camper camping vehicle  camper camping vehicle  ice boat  Canoe  In order to classify our responses, I need answers to the following question	n.s
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25 M	Spouse's education: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16+	
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Did the respondent react negatively to the questionnaire? (too lot difficult to answer, etc.)  Yes How?  No  Did the respondent volunteer additional information?  Yes Generally what type?  No  Which questions caused problems? Question Problem  Any other problems or comments?	
Did the respondent volunteer additional information?  Yes Generally what type?  No  Which questions caused problems? Question Problem	ong,
Yes Generally what type?  No  Which questions caused problems? Question Problem	
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Question Problem	
Any other problems or comments?	
Any other problems or comments?	

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	date & time of return call(s):	Outcome:	
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	date & time of return call(s):	· Outcome:	
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3.	date & time of 3rd call:	phone:	
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	Was the respondent male or female? (Circle one.)  Did the respondent react negatively to the questionnaire?  difficult to answer, etc.)  Yes How?	(too long,
	No No	
•	Did the respondent volunteer additional information?  Yes Generally what type?  No	
•	Which questions caused problems? Question Problem	
•	Any other problems or comments?	

# P<sub>1</sub> open-ended

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return call schedule for <u>each</u> call made. Place respondent that requires a return call. When the is completed, cross out the *.	a * in margin by any potential he return call procedure
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date & time of 3rd call: return call schedule: date & time of return call(s):	phone:
Possible outcomes (record code number):  a. completed interview  b. refused cooperation  c. phone disconnected  d. busy signal (schedule call back for later i  no answer (schedule call back at different household head not at home (schedule call b	time of day)
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Was the respondent male or female? (Circle one.)
Did the respondent react negatively to the questionnaire? (too long, difficult to answer, etc.)  Yes How?
No
Did the respondent volunteer additional information?  Yes Generally what type?  No
Which questions caused problems?
Question Problem
Any other problems or comments?

# APPENDIX C

ACTIVITY LISTS USED DURING THE PRETEST. LIST A WAS USED WITH QUESTIONNAIRE PSFH, PSF, PS, AND P: LIST B WITH P $_1$ , AND LIST C WITH P $_1$ CAL.

#### ACTIVITIES

ARCHERY

HUNTING, BIG GAME

BACKPACKING

**OTHER** 

BASEBALL/SOFTBALL (ORGANIZED)

BOW

BICYCLING

JOGGING/RUNNING

BIRDWATCHING AND NATURE STUDY

MOTO-CROSS

BOATING POWER/WATERSKIING

ORIENTEERING

SAIL

OTHER

OUTDOOR GAMES (VOLLEYBALL, PICK-UP FOOTBALL,

BASEBALL, SOFTBALL, ETC.)

CAMPING

PICNICKING

CANOEING

SHOOTING TRAP, SKEET, RANGE

FISHING

SOCCER (ORGANIZED)

FOOTBALL (ORGANIZED)

SWIMMING POOL

FOURWHEEL ING

LAKE

GOLF

TENNIS

HIKING

TRAILBIKING

HORSEBACK RIDING (TRAIL/OPEN COUNTRY) VISITING HISTORIC SITES

#### FACILITIES

PRIVATE CAMPGROUNDS

MUNICIPAL POOLS

COUNTY PARKS

STATE PARKS

STATE FORESTS

STATE WILDLIFE AREAS

NATIONAL FORESTS

NATIONAL WILDLIFE AREAS

NATIONAL RECREATION AREAS

#### ACTIVITIES

ARCHERY

BACKPACKING

BASEBALL/SOFTBALL (ORGANIZED)

BICYCLING

BIRDWATCHING AND NATURE STUDY

BOATING POWER/WATERSKIING

SAIL

OTHER

CAMPING

CANOEING

FISHING

**FOOTBALL** 

FOURWHEELING

GOLF

HIKING

HORSEBACK RIDING (TRAIL/OPEN COUNTRY)

HUNTING BIG GAME

OTHER

BOW

ORIENTEERING

PICNICKING

SHOOTING TRAP, SKEET, RANGE

SWIMMING

**TENNIS** 

TRAILBIKING

VISITING HISTORIC SITES

#### FACILITIES

PRIVATE CAMPGROUNDS

MUNICIPAL PARKS

COUNTY PARKS

STATE PARKS

STATE FORESTS

STATE WILDLIFE AREAS

NATIONAL FORESTS

NATIONAL WILDLIFE AREAS

NATIONAL RECREATION AREAS

### -SHOOTING SPORTS

Hunting - firearm - big game, small game, waterfowl Hunting - archery - big tame, small game, waterfowl Shoooting trap, skeet, range Other

## -WATER-RELATED ACTIVITIES

Fishing
Swimming
Power boating
Waterskiing
Sailing
Canoeing

### -ON-FOOT ACTIVITIES

Hiking Backpacking Orienteering

## -LAND-MOBILE

Bicycling Horseback Riding Fourwheeling Trailbikine

# -SPORTS, ACTIVE GAMES

Baseball Softball Football Golf Tennis Archery

## -CAMPING

## -PICNICKING

## -VISITING HISTORIC SITES

### -NATURE STUDY

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