

CHAPTER IX TN 22: TRENDS IN PARTICIPATION IN OUTDOOR RECREATION ACTIVITIES

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ABSTRACT

In this paper data from three national surveys (in 1967, 1969 and 1972) are compared to provide insight into changes in the patterns of participation in outdoor recreation activities in Canada.

After explaining the characteristics of each of the surveys, the trends of the five-year period (1967 -1972) are analyzed for eight outdoor recreation activities on which comparable data was available. Then changes in the incidence of participation between 1969 and 1972 are analyzed for seventeen outdoor recreation activities. Finally, changes in the frequency of participation are also briefly analyzed.

Nineteen tables are presented throughout the discussion to give insight into regional trends, trends by age groups, by sex and by socio-economic level.

It is concluded that in the general context of increasing participation in outdoor recreation activities in Canada there are activities and sections of Canadian society that show some decrease in participation, a fact requiring some explanation.

INTRODUCTION

The goal of this paper is to briefly comment on data that give insight into trends in patterns of Canadian participation in outdoor recreation activities. Data from three national surveys, called the National Surveys, are compared. They give information on participation in certain outdoor recreation activities in the year prior to the Fall of 1967, 1969 and 1972, respectively. The data permit one to gain insight into the likely trends in participation in outdoor recreation activities for Canada as a whole. Moreover, they permit one to recognize changes in participation associated with region, age group, gender, socio-economic level, as well as a number of other variables.

Unfortunately, one point must be made abundantly clear regarding the figures presented in this paper. All are based on relatively small samples (the unweighted universe for 1969 is, for example, only 3000). Thus much of the variation, particularly in figures that are reported for smaller provinces, is statistical. One need only compare participation rates in activities in Saskatchewan and Manitoba for 1969 and 1972 to become suspicious of a number of the rates presented. In part this paper has been made available to get information out to people so that they can react to it. In defense of what has been done, one must ultimately ask whether decisions on issues requiring trend data are better made with some information than with none at all. But the reader is warned that, rather than deprive him of information, sometimes questionable figures have been provided.

THE DATA

A complete explanation of the data used for this paper appears in Chapter 3 of Volume III. Table 2 in Chapter 3 (Volume III) was an adaptation of a Table which was prepared for this Note. The questions asked in the 1969 and 1972 surveys, in order to determine the incidence of participation in outdoor recreation activities, were identical. However, the activities examined were not. The question read as follows:

"Now I'm going to read you a list of outdoor activities. As I read each one, would you tell me approximately how many times, if at all, you have done each within the past year - that is, since about this time last year."

Unfortunately, in the 1967 survey, the question was formulated in the following way: "Here is a list of things that some people tell us they like to do out-of-doors. Which of these things have you done during the past year with your leisure time out-of-doors?"

As can be seen, the question asked in 1969 and 1972 permits one to determine not only the incidence but also the frequency of participation in outdoor recreation activities, while the 1967 question permits one to determine only the incidence of participation. This information is sufficient, however, to draw trends on the incidence of participation but one must be cautious concerning the comparability of the 1967 results with the results of the two other surveys.

The 1967 survey yielded information on twenty two outdoor recreation activities, the 1968 survey on five activities, the 1969 survey on twenty six activities and the 1972 survey on eighteen. The 1968 survey data are not used in this analysis. Its incompatibility with that of the other three years can be readily seen in Table 2 (Chapter 3, Volume III) and it is this that caused the decision not to present 1968 results here. Actually, only eight activities were surveyed in an identical manner in 1967, 1969 and 1972, although questions about seventeen activities are worded identically in the 1969 and 1972 surveys (see Table 1.)

TABLE 1: COMPARABLE ACTIVITIES IN THE CORD NATIONAL PARTICIPATION SURVEYS 1967 - 1972

A. Eight Comparable Activities

Tent-Camping
 Trailer-Camping
 Hunting
 Power Boating
 Canoeing
 Snow Skiing
 Snowmobiling
 Picnics and Cookouts

B. The Twenty-Two Comparable Activities

Tent-Camping
 Trailer-Camping
 Hunting
 Power Boating
 Canoeing
 Sailing
 Visit Historic Parks & Sites
 Driving for Pleasure
 Sightseeing from Private Vehicles
 Snow Skiing
 Snowmobiling
 Picnicking
 Walking & Hiking
 Ice Skating
 Horseback Riding
 Bicycling

These facts determined the choice of presenting two sections of discussion on trends; the first is concerned with the eight activities comparable in the three surveys, and the second on the

seventeen activities comparable in the 1969 and 1972 surveys. The readers who may be interested in knowing more about the four National Surveys referred to here or other CORD study Data may refer to Volume III.

TRENDS FROM THE 1967, 1969 AND 1972 NATIONAL SURVEYS

In the 1970s, a more detailed picture of the evolution of the incidence of participation in outdoor recreation activities in Canada was available as an Appendix to a special version of this paper. That document is not available as of 2006.

As is indicated in Table 2, of the eight selected outdoor activities for which data are comparable in 1967, 1969 and 1972, there is only one activity, Hunting, for which there was a steady decline in incidence of participation from one survey to the next. For the other seven activities there was an increase in incidence of participation between the 1967 survey and the 1972 survey. It should be noted, however, that only three activities (Power Boating, Canoeing and Snowmobiling) showed a steady increase in incidence of participation from one survey to the next.

In Tables 3 to 10, regional and national trends are given for each of the eight outdoor recreation activities for which there are data in the 1967, 1969 and 1972 surveys.

In Table 3 the figures indicate that, in all except the Atlantic Provinces, the incidence of participation in Tent-camping was higher in 1972 than in 1967. In four provinces (Quebec, Manitoba, Saskatchewan and Alberta) the incidence of participation increased steadily from 1967 through 1969 to 1972.

The figures in Table 4 indicate that the incidence of participation in Trailer-camping was higher in 1972 than in 1967 in all provinces. The percentage of individuals 18 years and over who participated in Trailer-camping tripled in Manitoba and Alberta between 1967 and 1972. There was, however, a constant increase between each of the three surveys for only two provinces: Manitoba and Saskatchewan.

The figures in Table 5 indicate that the incidence of Hunting was greater in 1972 than in 1967 for two provinces only: Manitoba and Saskatchewan. For Ontario, the percentage of individuals 18 years and over who participated in Hunting declined steadily from 1967 through 1969 to 1972. For Canada as a whole, participation in Hunting declined slightly but steadily through the years, although this pattern of steady decline does not seem generalized to all provinces. Between 1969 and 1972 percentages of participants increased in two regions: the Atlantic Provinces and Manitoba.

In contrast to Hunting, the percentages of participants in Power Boating (Table 6) increased in all regions between 1967 and 1972. This increase was steady from each survey to the next for three regions: Quebec, Alberta and British Columbia.

Between 1967 and 1972 the percentages of participants in Canoeing (Table 7) increased in all, regions except the Atlantic Provinces. Where percentages increased, they did so steadily from each survey to the next except in Saskatchewan. In several regions the increases between 1967 and 1972 were particularly impressive; in Quebec, percentages more than tripled between 1967 and 1972, in Manitoba percentages multiplied by 4.5, in Saskatchewan by four and in British Columbia by four.

TABLE 2: PERCENTAGE OF CANADIANS 18 YEARS AND OVER WHO DID PARTICIPATE IN 8 OUTDOOR RECREATION ACTIVITIES IN 1967, 1969 AND 1972

ACTIVITY	1967 %	1969 %	1972 %
Tent-camping	14	12	19
Trailer-camping	7	6	10
Hunting	14	13	11
Power boating	15	19	23
Canoeing	5	8	10
Snow Skiing	6	7	7
Snowmobiling	7	14	18
Picnics/cookouts away from home	42	54	54

TABLE 3: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN TENT-CAMPING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	14	12	19
Atlantic Provinces	15	11	13
Quebec	11	13	18
Ontario	13	10	19
Manitoba	8	10	18
Saskatchewan	8	13	15
Alberta	16	17	25
British Columbia	21	14	24

TABLE 4: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN TRAILER-CAMPING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	7	6	10
Atlantic Provinces	8	4	9
Quebec	5	5	8
Ontario	6	4	10
Manitoba	6	7	18
Saskatchewan	9	12	15
Alberta	8	6	25
British Columbia	10	7	11

TABLE 5: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN HUNTING IN 1967, 1969 AND 1972, BY REGION.

	1967 %	1969 %	1972 %
Canada	14	13	11
Atlantic Provinces	21	15	21
Quebec	11	12	10
Ontario	12	10	8
Manitoba	8	11	12
Saskatchewan	12	19	16
Alberta	14	14	8
British Columbia	15	16	15

Examination of the figures in Table 8 indicates that there were no clear trends for participation in Snow Skiing between 1967 and 1972. However, the increase in participation between 1967 and 1972 was impressive in Manitoba, Saskatchewan and British Columbia.

Percentages of participants in this activity (Table 9) increased in all, regions between 1967 and 1972. In almost all regions this increase in participation was impressive, particularly in the Atlantic Provinces where the percentage of individuals who participated in Snowmobiling tripled and in Saskatchewan where it multiplied by almost four. However, British Columbia and Alberta do not seem to have sustained a Snowmobiling "boom".

For all regions the percentages of participants in picnicking (Table 10) increased between 1967 and 1972. However, the 1972 figures are often not as high as the 1969 figures.

As can be seen from Table 11, the five-year participation trend was generally positive for all age groups and for the eight activities considered. However, the following exception should be noted: participation in Hunting declined between 1967 and 1972, for all age groups.

In Table 12 it can be seen that the five-year participation trend (1967 to 1972) was positive for all activities for both sexes with the following exceptions: (a) the five-year trend for Hunting was negative for both sexes; and (b) while the five-year trend (1967 to 1972) for Snow Skiing was slightly negative for males, it was positive for females.

Table 13 allows one to see the trends in participation in outdoor recreation by Socio-Economic Level. The socioeconomic levels used (Upper, Upper Middle, Middle, Lower Middle and Lower) were determined by the interviewers and are, at best, approximations of objective socio-economic status. The CORD Study Data Documentation Volume contains information on how these level were determined.

The five-year (1967 to 1972) trend was positive for all activities in each socio-economic level with the following exceptions: (a) for Hunting, the trend was negative in each socio-economic level; and (b) for Snow Skiing, the trend was positive for all levels except the Upper Middle level where there was no change from 1967 to 1972.

TABLE 6: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN POWER BOATING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	15	19	23
Atlantic Provinces	12	14	13
Quebec	11	14	25
Ontario	19	23	23
Manitoba	13	11	22
Saskatchewan	10	23	20
Alberta	13	18	23
British Columbia	20	24	31

TABLE 7: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN CANOEING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	5	8	10
Atlantic Provinces	3	2	2
Quebec	3	9	11
Ontario	8	10	11
Manitoba	2	3	9
Saskatchewan	1	9	4
Alberta	6	7	8
British Columbia	3	5	12

TABLE 8: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN SNOWSKIING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	6	7	7
Atlantic Provinces	4	4	2
Quebec	8	8	9
Ontario	6	9	6
Manitoba	2	1	6
Saskatchewan	2	4	4
Alberta	7	8	6
British Columbia	7	5	13

TABLE 9: PERCENTAGE OF INDIVIDUALS 18 YEARS. ANC OVER WHO DID PARTICIPATE IN SNOWMOBILING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	7	14	18
Atlantic Provinces	6	13	18
Quebec	9	21	25
Ontario	6	10	17
Manitoba	7	4	16
Saskatchewan	6	26	23
Alberta	6	15	10
British Columbia	4	2	5

TABLE 10: PERCENTAGE OF INDIVIDUALS 18 YEARS AND OVER WHO DID PARTICIPATE IN PICNICKING IN 1967, 1969 AND 1972, BY REGION

	1967 %	1969 %	1972 %
Canada	42	54	54
Atlantic Provinces	42	50	50
Quebec	33	48	46
Ontario	44	56	56
Manitoba	37	38	59
Saskatchewan	57	69	62
Alberta	49	68	61
British Columbia	45	58	55

CHANGE IN THE INCIDENCE OF PARTICIPATION BETWEEN 1969 AND 1972

As is evident from the analysis of the previous data, it is not infrequent that short term fluctuations in participation contradict the long term trends. Analysis of the three-year period fluctuations in participation will not help determine long-term trends but will assist in gaining an insight into the evolution of participation in seventeen outdoor recreation activities between 1969 and 1972.

As can be seen from Table 14, in Canada as a whole between 1969 and 1972, participation decreased slightly in four outdoor recreation activities (Hunting, Visiting Historic Parks/Sites, Driving for Pleasure and Sightseeing from a Private Vehicle); participation remained stable in three activities (Snow Skiing, Picnicking and Horseback Riding) and increased in ten activities out of the seventeen. The increase in participation in Camping with a Pick-Up Camper was particularly impressive (100 percent increase). Incidentally, one should note that the decreases cited are not incompatible with an increase in total activity. Frequency of participation by those who do participate has gone up.

TABLE 11: PERCENTAGE OF CANADIANS WHO DID PARTICIPATE IN 8 SELECTED OUTDOOR RECREATION ACTIVITIES IN 1967, 1969 AND 1972, BY AGE GROUP

ACTIVITY	AGE GROUP	1967 %	1969	1972 %
Tent-camping	30 - 39	17	14	21
	40 - 49	13	12	16
	50+	5	4	4
Trailer-camping	30 - 39	9	6	16
	40 - 49	8	8	12
	50+	3	4	6
Hunting	30 - 39	16	16	12
	40 - 49	13	11	11
	50+	7	5	5
Power boating	30 - 39	16	20	26
	40 - 49	14	17	23
	50+	7	10	12
Canoeing	30 - 39	5	81	11
	40 - 49	4	5	6
	50+	2	3	3
Snowskiing	30 - 39	6	7	8
	40 - 49	5	3	6
	50+	1	2	2
Snowmobiling	30 - 39	6	15	23
	40 - 49	5	11	12
	50+	1	4	5
Picnicking	30 - 39	54	63	62
	40 - 49	45	58	55
	50+	25	36	36

Tables such as Table 14 have been prepared for most provinces and some metropolitan areas and are presented in Appendix B of the special version of this paper cited earlier. However, since here the primary concern is with trends, Table 15 presents a comparison of the Percentage Changes in Participation between 1969 and 1972 for Canada, most provinces and some metropolitan areas.

TABLE 12: PERCENTAGE OF CANADIANS WHO DID PARTICIPATE IN 8 SELECTED OUTDOOR RECREATION ACTIVITIES IN 1967, 1969 AND 1972, BY SEX

ACTIVITIES	SEX	1967 %	1969 %	1972 %
Tent-camping	M	16	15	22
	F	11	10	16
Trailer-camping	M	7	5	10
	F	6	6	10
Hunting	M	23	23	19
	F	4	3	3
Power boating	M	17	24	27
	F	12	14	20
Canoeing	M	6	11	12
	F	3	5	8
Snow Skiing	M	8	9	7
	F	5	5	8
Snowmobiling	M	8	17	19
	F	6	11	17
Picnicking	M	36	51	52
	F	47	57	55

One can see from Table 15 that the range and direction of variation in the changes was quite great from one activity to another and from one area to another. Hence, there was only one activity, Tent-Camping that had known increases in percentages of participants in all areas between 1969 and 1972; these increases range between 15 percent for Saskatchewan and 112 percent for Metropolitan Toronto. However, the reader should take note of the points made in the special section after the Introduction. These should have led the reader to expect that much of the fluctuation observed in Table 15 is of a statistical nature and related to small sample size. Moreover, there was only one area, Manitoba, that had increases in percentages of participants in all seventeen activities between 1969 and 1972. These increases ranged between 8 percent for Driving for Pleasure and 500 percent for Snow Skiing.

Of the 204 entries in this Table, 76 (37 percent) show a decrease in participation, 18 (9 percent) show no change and 110 (54 percent) show an increase.

TABLE 13: PERCENTAGE OF CANADIANS WHO DID PARTICIPATE IN 8 SELECTED OUTDOOR RECREATION ACTIVITIES IN 1967, 1969 AND 1972, BY SOCIO-ECONOMIC LEVEL (U =Upper; UM =Upper Middle; M = Middle; LM = Lower Middle; L = Lower)

ACTIVITIES		1967 %	1969 %	1972 %
Tent-camping	U	14	10	17
	UM	18	18	20
	M	14	13	20
	LM	14	11	20
	L	7	9	18
Trailer-camping	U	8	4	12
	UM	8	8	13
	M	7	6	10
	LM	5	7	9
	L	3	3	7
Hunting	U	13	12	9
	UM	14	14	13
	M	14	11	11
	LM	14	13	11
	L	12	13	11
Power boating	U	22	27	28
	UM	17	23	29
	M	12	16	26
	LM	13	17	20
	L	6	12	13
Canoeing	U	8	13	15
	UM	5	7	11
	M	4	7	9
	LM	4	6	8
	L	2	7	7
Snow Skiing	U	11	16	13
	UM	8	7	8
	M	4	5	6
	LM	4	7	5
	L	2	3	4
Snowmobiling	U	10	14	18
	UM	6	14	21
	M	6	14	19
	LM	6	14	19
	L	5	1]	13
Picnicking	U	46	59	59
	UM	51	63	58
	M	39	56	58
	LM	39	52	50
	L	28	42	44

TABLE 14: INCREASE IN THE PERCENTAGE OF CANADIANS WHO DID PARTICIPATE IN 17 OUTDOOR RECREATION ACTIVITIES BETWEEN 1969 AND 1972.

ACTIVITIES	1969 (a)	1972 (b)	b-a	100(b-a)/a
Tent-camping	12	19	7	58
Trailer-camping	6	10	4	67
Pick-up camper	2	4	2	100
Hunting	13	11	-2	-15
Power boating	19	23	4	21
Canoeing	8	10	2	25
Sailing	3	4	1	33
Visiting Historic Parks/ Sites	37	36	-1	-3
Driving for pleasure	67	65	-2	-3
Sightseeing from private vehicle	43	38	-5	-12
Snow Skiing	7	7	0	0
Snowmobiling	14	18	4	28
Picnicking	54	54	0	0
Walking-hiking	37	39	2	5
Ice skating	19	20	1	5
Horseback riding	8	8	0	0
Bicycling	13	19	6	46

The decreases seem dispersed throughout areas and activities. However, decreases in the four following activities were widespread throughout Canada: Visiting Historic Park/Sites (decreases in 9 areas out of 12 between 1969 and 1972), Driving for Pleasure (8 areas out of 12) and Hunting (8 areas out of 12). As well, in Saskatchewan between 1969 and 1972 there were decreases in participation in 12 of the 17 outdoor activities.

The comparability of the 1969 and 1972 data permits analysis of the evolution of participation in seventeen recreation activities between 1969 and 1972 for four Age Groups: 18-29, 30-39, 40-49 and 50 and over.

Of the 85 entries in this table, 20 (24 percent) showed decreases in participation between 1969 and 1972, 15 (18 percent) showed no change, and 50 (58 percent) showed an increase in participation between the two periods.

Even if decrease in participation is not concentrated in any particular Age Group, it is in Age Group 40 - 49 that decrease is most often noticed, i.e. in six activities out of seventeen. It may also be noticed that while decrease in participation for Hunting is concentrated in the 18 - 29 and 30 - 39 age groups, the pattern is quite different for Visiting Historic Parks/Sites where decrease in participation between 1969 and 1972 occurred in the 40 - 49 and 50 and over age groups.

Results shown in Table 17 suggest that even if trends for most activities were positive for both males and females during the 1969-1972 period, increase in percentages of Canadians who participated in outdoor recreation activities may be quite different according to sex. For instance, while the percentage change in Snow Skiing for males was negative (22 percent decrease), for female it was positive (60 percent increase).

Even if the socio-economic levels used were determined subjectively by the interviewers, this classification may help in gaining insight into class patterns of participation in outdoor recreation activities. As shown in Table 18, between 1969 and 1972 there was a great range in the percentage increases in participation from one activity to another and from one socio-economic level to another. There does not, however, seem to be any generalized pattern that applies to these

changes in percentage participation according to economic level. It may be that a more objective socio-economic scale would give greater insight.

TABLE 15: PERCENTAGE INCREASE IN THE INCIDENCE OF PARTICIPATION IN 17 OUTDOOR RECREATION ACTIVITIES BETWEEN 1969 AND 1972, FOR CANADA AND REGIONS

(% Increase = $100((\% \text{ Participants } 1972) - (\% \text{ Participants } 1969)) / (\% \text{ Participants } 1969)$)

ACTIVITIES	Canada	Atlantic Provinces	Nova Scotia	Quebec	Metro Montreal	Ontario	Metro Toronto	Manitoba	Saskatchewan	Alberta	British Columbia	Metro Vancouver
Tent-camping	58	18	67	38	36	90	112	80	15	47	71	80
Trailer-camping	67	125	75	60	17	150	200	71	-8	200	57	50
Pick-up camper	100	-33	-50	0	100	100	100	400	67	50	150	-12
Hunting	-15	40	162	-17	0	-20	-20	9	-16	-43	-6	-30
Power boating	21	-7	0	78	-60	0	-4	100	-13	28	29	4
Canoeing	25	0	0	22	25	10	27	200	-55	0	140	44
Sailing	33	-40	-56	100	0	50	43	300	-75	-75	250	300
Visiting Historic Parks/Sites	-3	-11	13	0	-22	-2	-13	52	-5	-10	-8	-21
Driving for pleasure	-3	-3	-6	-8	-14	0	-14	8	6	5	-6	-15
Sightseeing from private vehicle	-12	-21	-7	-21	-18	-17	-28	16	-4	0	2	-18
Snow skiing	0	-50	-83	12	17	33	25	500	0	-25	160	114
Snowmobiling	28	38	8	19	-7	70	12	300	-12	-33	150	400
Picnicking	0	0	2	-4	-9	0	4	55	-10	-10	-5	-9
Walking - hiking	5	-7	-13	5	-13	-2	-19	100	-7	20	2	2
Ice Skating	5	-20	-50	6	-9	4	0	83	-6	-39	25	54
Horseback riding	0	25	-67	12	0	0	-38	300	-10	9	11	43
Bicycling	46	22	-31	36	27	54	18	271	56	0	167	238

CHANGE IN THE FREQUENCY OF PARTICIPATION BETWEEN 1969 AND 1972

The 1969 and 1972 surveys present information not only on the incidence of participation in outdoor recreation activities but also on the frequency of participation. These results are shown in Table 19. When considering only the seventeen activities for which there is information on the frequency of participation for 1969 and 1972, it can be seen that the "more than 10 times" has a somewhat greater percentage for five activities and a lower percentage in 1972 than in 1969 for one activity, Snow Skiing. These findings suggest not only that the incidence of participation

increased for most outdoor recreation activities between 1969 and 1972 but also that the frequency of participation slightly increased for most activities.

TABLE 16: PERCENTAGE INCREASE IN THE INCIDENCE OF PARTICIPATION IN 17 OUTDOOR RECREATION ACTIVITIES BETWEEN 1969 AND 1972, BY AGE GROUP

% increase = $100((\% \text{ Participants } 1972) - (\% \text{ Participants } 1969)) / (\% \text{ Participants } 1969)$

ACTIVITY	18 years & over	-Age 18-29	Age 30-39	Age 40-49	Age 50 & over
Tent-camping	58	75	50	33	0
Trailer-camping	67	67	167	50	50
Pick-up camper	100	33	67	200	100
Hunting	-15	-10	-25	0	0
Power boating	21	14	30	35	20
Canoeing	25	13	38	20	0
Sailing	33	33	67	-33	100
Visiting Historic Parks/Sites	-3	8	8	-11	-15
Driving for pleasure	-3	-1	0	-10	0
Sightseeing from private vehicle	-12	0	-7	-31	-18
Snow Skiing	0	-13	14	100	0
Snowmobiling	28	29	53	9	25
Picnicking	0	2	-2	-5	0
Walking/hiking	5	13	-12	-5	11
Ice skating	5	-5	0	8	100
Horseback riding	0	0	40	50	0
Bicycling	46	50	50	25	150

CONCLUSION

Participation in outdoor recreation activities is generally increasing. This is evidenced not only by increases in incidence of participation but also by increases in frequency of participation. The analysis of data for a five-year period shows that for seven activities of the eight that could be considered, the trends in incidence of participation were on the rise between 1967 and 1972, even if there were fluctuations between 1967 and 1969 or between 1969 and 1972. In fact, with some few exceptions, the statement is true for all regions and all age groups considered, for both sexes and for all socio-economic levels.

Changes in percentages of various populations who were participants in seventeen outdoor recreation activities between 1969 and 1972 were positive changes. In Canada as a whole there were increases for ten activities out of seventeen and decreases for four activities. However, when considering regional patterns, one notices that between 1969 and 1972 there was only one activity, Tent-Camping for which increases occurred in all regions. As well, there was only one province, Manitoba, for which increases occurred in all activities.

Obviously the evolution of participation in outdoor recreation activities does not follow the same pattern throughout all Canadian regions, at least in a short period. Yet, having small samples with which to work limited what can be said about regional variations. The analysis of change in percentages of participation by age groups, sex and socio-economic levels, does suggest that there may be important differences in patterns of change according to people's socio-economic characteristics. For example, while there was a 22 percent decrease in percentage of participants in Snow Skiing for males between 1969 and 1972, there was a 60 percent increase for females.

TABLE 17: INCREASE IN % OF CANADIANS WHO DID PARTICIPATE IN 17 OUTDOOR -
- RECREATION ACTIVITIES BETWEEN 1969 AND 1972, ACCORDING TO SEX

ACTIVITIES		1969 %	1972 %	(b-a) %	100(b-a)/(a) %
Tent-camping	M	15	22	7	47
	F	10	16	6	60
Trailer-camping	M	5	10	5	100
	F	6	10	4	67
Pick-up camper	M	3	4	1	33
	F	2	4	2	100
Hunting	M	23	19	-4	-17
	F	3	3	0	0
Power boating	M	24	27	3	12
	F	14	20	6	43
Canoeing	M	11	12	1	9
	F	5	8	3	60
Sailing	M	4	4	0	0
	F	3	4	1	33
Visiting Historic Parks/Sites	M	37	36	-1	-3
	F	37	36	-1	-3
Driving for pleasure	M	66	66	0	0
	F	67	64	-3	-4
Sightseeing from private vehicle	M	43	38	-5	-12
	F	43	38	-5	-12
Snow Skiing	M	9	7	-2	-22
	F	5	8	3	60
Snowmobiling	M	17	19	2	12
	F	11	17	6	54
Picnicking	M	51	52	1	2
	F	57	55	-2	-4
Walking-hiking	M	35	36	1	3
	F	40	42	2	5
Ice skating	M	23	22	-1	-4
	F	16	18	2	12
Horseback riding	M	9	10	1	11
	F	6	7	1	17
Bicycling	M	13	19	6	46
	F	12	20	8	67

Even if the general impression is that of upward trends in participation in outdoor recreation activities, it would not be accurate to neglect the importance of downward trends. Hunting is the only activity out of the eight considered for 1967, 1969 and 1972 for which there was a steady decrease in percentage of participants in Canada as a whole. Even with the consistent trend just noted, the decrease in Hunting did not occur in two provinces. However, the decrease is consistently observed for Age Groups, Sex and Socio-economic Levels. Between 1969 and 1972, Hunting, Visiting Historic Parks/Sites, Driving for Pleasure and Sightseeing from a Private Vehicle had downward trends in Canada as a whole and in most regions. In Saskatchewan, the percentages of participants declined for twelve out of seventeen activities during that period. Decreases in Saskatchewan may be related to the changing age distribution of the province.

It was not the goal of this paper to explain why, in a general context of increasing participation in outdoor recreation activities in Canada, there are activities or sections of Canadian society that show some decrease in participation, at least in the short term. However, the fact that this brief review of tabulations that were available in the Spring of 1973 raises some interesting questions (as well, as bringing together some figures that may be useful to planners) points up the need for a thorough and rigorous analysis of the National Survey data on which the tabulations used in preparing this document are based.

TABLE 18: INCREASE IN THE PERCENTAGE OF CANADIANS WHO DID PARTICIPATE IN 17 OUTDOOR RECREATION ACTIVITIES BETWEEN 1969 AND 1972, ACCORDING TO SOCIO-ECONOMIC LEVEL

ACTIVITIES	1969 (a) %	1972 (b) %	(b-a) %	100(b-a)/(a) %	
Tent-camping	U	10	17	7	70
	UM	18	20	2	11
	M	13	20	7	54
	LM	11	20	9	82
	L	9	18	9	100
Trailer-camping	U	4	12	8	200
	UM	8	13	5	62
	M	6	10	4	67
	LM	7	9	2	28
	L	3	7	4	133
Pick-up camper	U	2	4	2	100
	UM	2	3	1	50
	M	4	4	0	0
	LM	1	4	3	300
	L	2	3	1	50
Hunting	U	12	9	-3	-25
	LM	14	13	-1	-7
	M	11	11	0	0
	LM	13	11	-2	-15
	L	13	11	-2	-15
Power boating	U	27	28	1	4
	LM	23	29	6	26
	M	16	26	10	62
	LM	17	20	3	18
	L	12	13	1	8
Canoeing	U	13	15	2	15
	UM	7	11	4	57
	M	7	9	2	28
	LM	6	8	2	33
	L	7	7	0	0
Sailing	U	9	10	1	11
	UM	3	6	3	100
	M	1	3	2	200
	LM	1	3	2	200
	L	2	2	0	0
Visiting Historic Parks/Sites	U	49	44	-5	-10
	UM	43	44	1	2
	M	36	35	-1	-3
	LM	33	32	-1	-3
	L	25	26	1	4
Driving for pleasure	U	67	71	4	6
	UM	73	73	0	0
	M	68	68	0	0
	LM	69	64	-5	-7
	L	57	52	-5	-9
Sightseeing from private vehicle	U	51	48	-3	-6
	UM	50	43	-7	-14
	M	44	40	-4	-9
	LM	40	34	-6	-15
	L	31	28	-3	-10
Snow Skiing	U	16	13	-3	-19
	UM	7	8	1	14
	M	5	6	1	20
	LM	7	5	-2	-28
	L	3	4	1	33
Snowmobiling	U	14	18	4	28
	UM	14	21	7	50
	M	14	19	5	36
	LM	14	19	5	36
	L	11	13	2	18
Picnicking	U	59	59	0	0
	UM	63	58	-5	-8
	M	56	58	2	4
	LM	52	50	-2	-4
	L	42	44	2	5
Walking-hiking	U	45	49	4	9
	UM	36	41	5	14
	M	39	41	2	5
	LM	39	36	-3	-8
	L	31	31	0	0
Ice skating	U	28	23	-5	-18
	UM	20	27	7	35
	M	19	19	0	0
	LM	18	17	-1	-6
	L	15	15	0	0
Horseback riding	U	7	8	1	14
	UM	6	10	4	67
	M	8	9	1	12
	LM	11	8	-3	-27
	L	6	7	1	17
Bicycling	U	15	23	8	53
	UM	11	22	11	100
	M	12	21	9	75
	LM	13	17	4	31
	L	12	14	2	17
Driving for pleasure	U	67	71	4	6
	UM	73	73	0	0
	M	68	68	0	0
	LM	69	64	-5	-7
	L	57	52	-5	-9
Sightseeing from private vehicle	U	51	48	-3	-6
	UM	50	43	-7	-14
	M	44	40	-4	-9
	LM	40	34	-6	-15
	L	31	28	-3	-10
Snow Skiing	U	16	13	-3	-19
	UM	7	8	1	14
	M	5	6	1	20
	LM	7	5	-2	-28
	L	3	4	1	33
Snowmobiling	U	14	18	4	28
	UM	14	21	7	50
	M	14	19	5	36
	LM	14	19	5	36
	L	11	13	2	18
Picnicking	U	59	59	0	0
	UM	63	58	-5	-8
	M	56	58	2	4
	LM	52	50	-2	-4
	L	42	44	2	5
Walking-hiking	U	45	49	4	9
	UM	36	41	5	14
	M	39	41	2	5
	LM	39	36	-3	-8
	L	31	31	0	0
Ice skating	U	28	23	-5	-18
	UM	20	27	7	35
	M	19	19	0	0
	LM	18	17	-1	-6
	L	15	15	0	0
Horseback riding	U	7	8	1	14
	UM	6	10	4	67
	M	8	9	1	12
	LM	11	8	-3	-27
	L	6	7	1	17
Bicycling	U	15	23	8	53
	UM	11	22	11	100
	M	12	21	9	75
	LM	13	17	4	31
	L	12	14	2	17

TABLE 19: FREQUENCY OF PARTICIPATION IN OUTDOOR RECREATION ACTIVITIES BY CANADIANS 18 YEARS AND OVER. COMPARISON OF THE 1969 AND 1972 8M SURVEYS

ACTIVITY	FREQUENCY OF PARTICIPATION	1969 %	1972 %	6-10 times	2	3
Swimming	Not at all	56	-	More than 10 times	4	6
	1-5 times	17	-			
	6-10 times	10	-			
	More than 10 times	17	-			
Tent-camping	Not at all	88	81			
	1-5 times	9	14			
	6-10 times	2	2			
	More than 10 times	1	2			
Trailer-camping	Not at all	94	90			
	1-5 times	4	6			
	6-10 times	1	1			
	More than 10 times	1	2			
Pick-up camper	Not stated	-	1			
	Not at all	98	96			
	1-5 times	1	2			
	6-10 times	-	-			
Hunting	More than 10 times	-	-			
	Not at all	87	89			
	1-5 times	10	7			
	6-10 times	1	0			
Power boating	More than 10 times	2	2			
	Not at all	81	77			
	1-5 times	11	12			
	6-10 times	3	4			
Canoeing	More than 10 times	5	6			
	Not stated	-	1			
	Not at all	92	90			
	1-5 times	6	6			
Sailing	6-10 times	1	1			
	More than 10 times	1	1			
	Not stated	-	1			
	Not at all	97	96			
Water skiing	1-5 times	2	3			
	6-10 times	-	1			
	More than 10 times	-	-			
	Not at all	93	-			
ACTIVITY	1-5 times	5	-			
	6-10 times	1	-			
	More than 10 times	1	-			
	Not at all	93	-			
ACTIVITY	1-5 times	5	-			
	6-10 times	1	-			
	More than 10 times	1	-			
	Not at all	93	-			
Nature study or bird watching	1-5 times	7	-			
	6-10 times	2	-			
	More than 10 times	3	-			
	Not at all	88	-			
Outdoor Photography	1-5 times	13	-			
	6-10 times	6	-			
	More than 10 times	5	-			
	Not at all	76	-			
Visiting Historic Sites/Parks	1-5 times	30	27			
	6-10 times	4	4			
	More than 10 times	3	3			
	Not stated	-	2			
Visiting other Parks	1-5 times	33	-			
	6-10 times	5	-			
	More than 10 times	3	-			
	Not at all	59	-			
Driving for pleasure	1-5 times	21	11			
	6-10 times	17	12			
	More than 10 times	29	36			
	Not stated	-	6			
Sightseeing from private vehicle	1-5 times	24	14			
	6-10 times	8	6			
	More than 10 times	11	14			
	Not stated	-	4			
Climbing	1-5 times	4	-			
	6-10 times	1	-			
	More than 10 times	-	-			
	Not at all	95	-			
Snow Skiing	1-5 times	3	3			
	6-10 times	2	1			
	More than 10 times	2	3			
	Not at all	93	93			
Snowmobiling	1-5 times	8	8			
	Not at all	86	82			

ACTIVITY	FREQUENCY OF PARTICIPATION	1969 %	1972 %
Snow sledding/ tobogganing	Not at all	85	-
	1-5 times	10	-
	6-10 times	3	-
	More than 10 times	2	-
Picnics or cookouts away from home	Not at all	46	46
	1-5 times	31	26
	6-10 times	13	12
	More than 10 times	10	12
Walking/hiking	Not stated	-	4
	Not at all	63	61
	1-5 times	17	11
	6-10 times	9	7
Golfing	More than 10 times	11	18
	Not stated	-	3
	Not at all	89	-
	1-5 times	5	-
Ice skating	6-10 times	2	-
	More than 10 times	4	-
	Not at all	81	80
	1-5 times	10	10
Horseback riding	6-10 times	3	4
	More than 10 times	6	5
	Not stated	-	1
	Not at all	92	92
Bicycling	1-5 times	6	6
	6-10 times	1	1
	More than 10 times	1	1
	Not stated	-	-
Tennis	Not at all	87	81
	1-5 times	7	8
	6-10 times	3	3
	More than 10 times	3	7
Fishing	Not stated	-	2
	Not at all	94	-
	1-5 times	3	-
	6-10 times	1	-
ACTIVITY	More than 10 times	22	-
	Not at all	-	69
	1-5 times	-	16
	6-10 times	-	6
ACTIVITY	More than 10 times	-	7
	Not at all	-	-
	1-5 times	-	-
	6-10 times	-	-