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STATE OF MINNESOTA

DULUTH-SPIRIT MOUNTAIN SKIING AND TOURISM STUDY

DECEMBER, 1979 9 60 p

DULUTH SKIING HOUSEHOLDS /

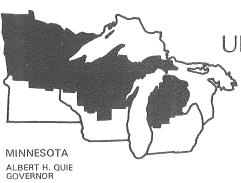
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Richard O. Sielaff
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Working Paper

STATE OF MINNESOTA

Bureau of Business and Economic Research



UPPER GREAT LAKES REGIONAL COMMISSION

601 FIRST FEDERAL SAVINGS BUILDING • DULUTH, MINNESOTA 55802 • 218/723-4949

April 1, 1980

TO:

BEN BOO

Zona De Witt

FROM:

Ernest S. Petersen

RE:

Marketing Study for the Spirit Mountain Recreation

Area Authority

Enclosed please find one copy of the final report entitled "Duluth-Spirit Mountain Skiing and Tourism Study", Volume II. This report was completed through the University of Minnesota, Duluth, contract total of 6,731 and the contract period was from 8/15/79 to 1/31/80.

Should you desire further information, please contact this office.

ESP/cs

Enc.

SCHOOL OF BUSINESS AND ECONOMICS UNIVERSITY OF MINNESOTA, DULUTH BUREAU OF BUSINESS AND ECONOMIC RESEARCH

WORKING PAPER NUMBER 80-5

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DULUTH-SPIRIT MOUNTAIN SKIING

AND TOURISM STUDY

DECEMBER, 1979 D in

(5) (Consultanto reports)

DULUTH SKIING HOUSEHOLDS /

(59) by

Richard O. Sielaff Professor

Dept. of Business Administration,

School of Business and Economics University of Minnesota, Dutath

> LEGISLATIVE REFERENCE L'ENARY STATE DE MININESOTA

Sponsor

This study was completed under a grant from the Upper Great Lakes Regional Commission to the University of Minnesota, Duluth. The grant was administered by the Bureau of Business and Economics Research, School of Business and Economics, University of Minnesota, Duluth.

recreation tour st trade

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ANALYSIS

This is the second of two reports on the attitudes of skiing households toward skiing at Spirit Mountain and other ski areas. The first report involves skiing households in Minneapolis-St. Paul, and the second report involves skiing households in Duluth Minnesota. Each report is self-contained, and no statistical comparisons are made between the two areas. It is expected that such comparisons will be made in subsequent analyses.

The first report on Minneapolis-St. Paul was based on a random sample of 204 skiing households, and the second report on Duluth was based on a random sample of 206 skiing households.

(1) Household Skiers

(3)

answer.

There were 206 skiing households in the sample with 425 skiers or 2.1 skiers per skiing household. This was slightly less per household than in Minneapolis-St. Paul (where the average was 2.5).

(2) Skiing Areas and Skiers

A total of 340 skiers (or 80.0%) had skied at Spirit Mountain during the 1978-1979 skiing season. Interestingly, a similar percentage (82.7%) of Minneapolis-St. Paul skiing households skied at Minneapolis-St. Paul ski resorts during the 1978-1979 skiing season. Table 1 provides detailed information.

Table 2 shows the Spirit Mountain rating compared with regional resorts on three subjects: ski runs, food and food service, and chalet. In general Spirit Mountain was rated the same or better by more than half of the households while about one-fourth did not

Spirit Mountain Rating Compared With Other Regional Resorts

Impact of Inflation, Gasoline Shortages, and Ski Resort Prices

Inflation and ski resort prices were matters of concern for more than half of the skiing households, and prospective gasoline shortages were also important to somewhat less than half of the skiing households. Table 3 provides detailed information.

(5) Household Income In Skiing Households

About half of the skiing households had total incomes from \$20,000 to \$40,000, and about one-third had total incomes under \$20,000. Table 4 provides the information.

(6) Education In Skiing Households

A total of 66.1% of the principal males and 52.9% of the principal females in skiing households in Duluth had had some college education or a college degree. Table 45 provides details.

(7) Occupations In Skiing Households

A total of 38.4% of the principal males were in professional or managerial positions, and 31.1% of the principal females were homemakers. See Table 44.

(8) Size of Skiing Households

There were 791 persons in the 206 skiing households which was 3.8 persons per household. See Table 5.

(9) Age of Persons In Skiing Households

Tables 8 through 13 provide information on the ages of persons in skiing households.

(10) Ages of Spirit Mountain Skiers

Table 16 provides detailed information on Spirit Mountain skiers and their ages.

- One Day Only and Overnight Ski Trips Outside the Duluth Area

 A total of 49% of the skiing households went for one-day skiing

 trips outside the Duluth area (Table 14). However, only 32% of the
 households went on overnight skiing trips outside the Duluth area

 (Table 15).
- (12) Planning to Ski at Spirit Mountain 1979-1980 Season

 A total of 85.4% of the households planned to ski at Spirit Mountain in 1979-1980 (Table 17), and 31.5 % of the households planned to ski at Spirit Mountain 9 or more times (Table 18).
- Ski clubs were relatively unimportant with only 3.9% of the skiing households participating in ski clubs (Tables 20 and 21).

(13)

Ski Clubs

(14) Snow Conditions, Length of Runs, and Difficulty of Runs at Spirit Mountain

Very satisfactory or fairly satisfactory were the predominant ratings by Duluth skiing households on snow conditions (85.0%), length of runs (58.7%), and difficulty of runs (68.9%).

There were, however, 23.8% of the households which noted the length of runs as barely satisfactory or unsatisfactory. A total of 13.1% thought the difficulty of runs was barely satisfactory or unsatisfactory (Table 22).

(15) Quality of Food, Quality of Food Service, and Kind of Food and Service at Spirit Mountain

A total of 75.7% thought the food quality was very satisfactory or fairly satisfactory, and a total of 73.8% thought food service was very satisfactory or fairly satisfactory.

A total of 90.8% of skiing households had no opinion on the formality of food service (Table 23).

(16) Service, Comfort, and Crowding at Spirit Mountain Chalet

Chalet service received a very or fairly satisfactory rating by 76.2% of the skiing households.

Chalet comfort had a very or fairly satisfactory rating by 72.8% of the skiing households.

Chalet crowding had a very or fairly satisfactory rating by 32.5% of the skiing households, but 52.0% gave Chalet crowding a barely satisfactory or unsatisfactory rating (Table 24).

(17) Sources of Information About Spirit Mountain

The sources of information were in order: (1) advertising media 76.2%, (2) friends 17.5%, (3) news stories 5.3% (Table 25).

(18) Price of a Tow or Lift Ticket

The ratings on the price of a tow or lift ticket were: very important 30.1%, somewhat important 30.6%, rather unimportant 14.6%, and not at all important 19.4% (Table 26).

(19) Midweek Skiing Prices

A total of 69.9% of the skiing households said they would change to midweek skiing if the price of the midweek lift ticket were lower (Table 27).

(20) Lodging Prices

The ratings on the importance of ski lodging prices were: very important 45.1%, somewhat important 20.9%, rather unimportant 7.3%, not at all important 12.6% (Table 28).

(21) Transportation to Ski Resorts

A total of 95.1% of ski trips were made by automobile, 8.8% were by bus, .5% by railroad, and 3.9% by air transportation (Table 29).

- (22) <u>Satisfaction With Duluth Hotel and Motel Accommodations</u>

 A total of 43.6% of the skiing households rated hotels very or somewhat satisfactory, but 48.1% expressed no opinion (Table 30).
- Importance of Lodging on Spirit Mountain

 While Duluth skiing households were not likely to use housing at Spirit Mountain, they did express opinions on the subject: very important 41.7%, somewhat important 20.4%, not important 24.3%, no answer 13.6% (Table 31).
- (24) <u>Principal Hotels or Motels and Restaurants Recommended</u>

 Tables 32 and 33 provide detailed information on these subjects.
- (25) Satisfaction With Food and Service at Duluth Restaurants

 Table 34 indicates a high level of satisfaction with food and service at Duluth restaurants.
- (26) Amount Spent on Last Ski Vacation

 Table 35 provides information on the amount spent on the last ski vacation. Less than \$200 is the predominant amount.
- (27) Cross Country Skiing at Spirit Mountain

 The precentages on this subject were almost identical with those in Minneapolis. A total of 39.3% said cross country skiing encouraged more skiing there, and 52.4% said it had no effect on skiing plans (Table 37).
- (28) Night Skiing at Spirit Mountain

 Table 38 indicates that 70.4% of the skiing households believed night skiing encouraged more skiing there.
- (29) Preferred Food and Beverage at Spirit Mountain

 A total of 31.6% preferred quick standup service, and 38.8%

 preferred inexpensive table service. A minority preferred full

service with or without entertainment (Table 39).

(30) What Skiing Households Like Most About Spirit Mountain The most important factors or reasons were (1) short driving distance 40.8% (2) scenery 28.6%, and (3) attractive ski runs 11.7% (Table 40).

(31) What Skiing Households Dislike Most About Spirit Mountain

The most important factors or reasons were: (1) crowding 21.8%,

(2) inadequate parking 8.7%, (3) inadequate ski runs 6.8%, and

(4) waiting for the lift 3.4% (Table 41).

(32) Favorite Ski Areas

Table 42 shows the favorite ski resorts. Lutzen, Spirit Mountain, Indian Head, Telemark, Sugar Hills, and Powder Horn were the most popular.

It should be noted however that the number of out-of-city ski trips was somewhat limited (Table 42).

Attractive ski runs, reasonable driving distance, and scenery were important reasons for selecting a favorite ski resort.

(Table 43).

(33) Conclusion

Spirit Mountain has a generally favorable reputation among Duluth skiing households. This conclusion is similar to that found among Minneapolis-St. Paul skiing households.

However, some directions are indicated for Spirit Mountain including improvements in ski runs and ski lifts, reduction of crowding, improvement in parking, and maintenance of the attractive features of Spirit Mountain.

DULUTH, MINNESOTA MARKET NUMBER OF SKIING HOUSEHOLDS AND SKIERS IN RANDOM SAMPLE OF DULUTH SKIING HOUSEHOLDS

	Number	Percentage of Duluth Skiers
Total Skiing Households	206	100.0%
Total Skiers in Skiing Households	425	100.0%
Total Who Skied at Spirit Mountain	340	80.0%
Total Who Skied at Minneapolis- St. Paul Resorts	41	9.6%
Total Who Skied at Northern Minnesota Resorts Other Than Spirit Mountain	132	31.0%
Total Who Skied at Northern Wisconsin and Michigan Resorts	93	21.9%
Total Who Skied at Colorado or Western Resorts	50	11.7%

RATING OF SERVICE AND FACILITIES AT SPIRIT MOUNTAIN AS COMPARED WITH OTHER REGIONAL SKI RESORTS IN MINNESOTA, WISCONSIN, AND MICHIGAN

(Rating Made by a Random Sample of Duluth, Minnesota Skiing Households)

December, 1979

<u>Facility</u>	Same	<u>Better</u>	Worse	No Answer or Don't Know	<u>Total</u>
Ski Runs	45.6 (94)	16.5 (34)	14.6 (30)	23.3 (48)	100.0 (206)
Food and Food Service	46.6 (96)	13.1 (27)	11.2 (23)	29.1 (60)	100.0 (206)
Chalet	41.7 (86)	28.2 (58)	10.7 (22)	19.4 (40)	100.0 (206)

Questions Asked:

- 39. Has your household known or heard that at Spirit Mountain in Duluth the ski runs are about the same, better, or worse than those in Northern Wisconsin, Michigan, and Minnesota?
- 43. Has your household known or heard that the food and food service at Spirit Mountain is about the same, better, or worse than the food at other ski resorts in Northern Wisconsin, Michigan, and Minnesota?
- 47. Has your household known or heard that the chalet at Spirit Mountain in Duluth is about as attractive as, or more or less attractive than the chalets at other ski resorts in Northern Wisconsin, Michigan, and Minnesota?

TABLE 3

IMPACT OF INFLATION, GASOLINE SHORTAGES, AND SKI RESORT PRICES
IN REDUCING SKIING TRIPS DURING THE NEXT SKI SEASON
(Rating Made By A Random Sample of Duluth, Minnesota Skiing Households)

December, 1979

	Very <u>Likely</u>	Don't <u>Know</u>	Unlikely	No Answer	Total
Inflation	53.4 (110)	5.8 (12)	39.3 (81)	1.5 (3)	100.0 (206)
Gasoline Shortage	41.7 (86)	1.9 (4)	55.3 (114)	1.1 (2)	100.0 (206)
Ski Resort Prices	62.6 (129)	3.4 (7)	31.6 (65)	2.4 (5)	100.0 (206)

Question Asked:

How likely would the following be to reduce the number of your household skiing trips during the next ski season?

- 52. Inflation resulting in reduced family income?
- 53. Gasoline shortages?
- 54. Increased prices at ski resorts?

TABLE 4

TOTAL HOUSEHOLD INCOME OF SKI HOUSEHOLDS IN DULUTH, MINNESOTA

Amount	Number of Skiing Households in Sample	Percentage of Skiing House- holds in Sample
Under \$20,000	73	35.4
\$20,000 to \$40,000	103	50.0
\$40,000 or More	9	4.4
No Answer	21	10.2
TOTALS	206	100.0

TABLE 5

NUMBER OF PERSONS IN HOUSEHOLD IN SKIING HOUSEHOLDS IN DULUTH, MINNESOTA

Number in Household	Number of Skiing Ho In Sample	useholds Percentage of Skiing Households in Sample
1	16	7.8
2	49	23,8
3	49	23.8
4	52	25.2
5	24	11.7
6	11	5.3
7	4	1.9
8	1	•5
9 or more	0	0
TOTALS	206	100.0

TABLE 6

NUMBER OF PERSONS WHO SKI IN SKIING HOUSEHOLDS IN DULUTH, MINNESOTA

Number of Persons Who Ski	Number of Skiing In Sample	Households Percentage of Skiing Households in Sample
1	83	40.3
2	68	33.0
3	29	14.1
4	13	6.3
5	11	5.3
6	2	1.0
TOTALS	206	100.0

TYPE OF SKIING PREFERRED BY SURVEY RESPONDENTS

Type of Skiing Preferred	Number of Skiing Households In Sample	Percentage of Skiing Households in Sample
Downhill	94	45.6
Cross Country	58	28.2
No Answer	_54	26.2
TOTALS	206	100.0

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH BOYS 19 YEARS OR YOUNGER AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH BOY SKIERS 19 OR YOUNGER DULUTH, MINNESOTA

Number of Boys 19 Years or Younger	Percentage and Number of Skiing Households With Boys 19 or Younger	Percentage and Number of Skiing Households With Boy Skiers 19 or Younger
0	59.6 (123)	68.0 (140)
1 .	24.8 (51)	23.7 (49)
2	11.2 (23)	6.8 (14)
3	2.9 (6)	1.0 (2)
4	1.0 (2)	.5 (1)
No Answer	.5 (1)	no say
•		
TOTALS	100.0 (206)	100.0 (206)

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH GIRLS 19 YEARS OR YOUNGER AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH GIRL SKIERS 19 OR YOUNGER DULUTH, MINNESOTA

Number of Girls 19 or Younger	Percentage Number of S Households Girls 19 or	Skiing With	Percentage and Number of Skiing Households With Girl Skiers 19 or Younger			
0	64.0 ((132)	78.1	(161)		
1	24.3 ((50)	17.5	(36)		
2	9.7 ((20)	4.4	(9)		
3	1.5 ((3)	CO10 6880			
No Answer	.5 ((1)	dico sing			
		•				
TOTALS •	100.0 ((206)	100.0	(206)		

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH MEN 20 TO 39 YEARS AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH MEN SKIERS 20 TO 39 YEARS DULUTH, MINNESOTA

Number of Men 20 to 39 Years	Percentage and Number of Skiing Households With Men 20 to 39 Years	Percentage of Skiing Households With Men Skiers 20 to 39 Years
0	38.8 (80)	47.6 (98)
1	53.4 (110)	48.5 (100)
2	6.8 (14)	2.9 (6)
3	.5 (1)	.5 (1)
4		G01 MAG 150
5		400 clas
6	.5 (1)	.5 (1)
TOTALS	100.0 (206)	100.0 (206)

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH WOMEN 20 TO 39 YEARS AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH WOMEN SKIERS 20 TO 39 YEARS DULUTH, MINNESOTA

Number of Women 20 to 39 Years	Percentage of Skiing Households With Women 20 to 39 Years	Percentage of Skiing Households With Women Skiers 20 to 39 Years
0	35.4 (73)	49:0 (101)
1 .	58.3 (120)	47.6 (98)
2	3.4 (7)	2.4 (5)
3	1.9 (4)	.5 (1)
4	1.0 (2)	.5 (1)
TOTALS	100.0 (206)	100.0 (206)

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH MEN 40 YEARS AND OVER AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH MEN SKIERS 40 YEARS AND OVER DULUTH, MINNESOTA

Number of Men 40 Years and Over	Percentage and Number of Skiing Households With Men 40 Years and Over	Percentage and Number of Skiing Households With Men Skiers 40 Years and Over
0	58.7 (121)	85.4 (176)
1	40.8 (84)	14.1 (29)
No Answer	.5 (1)	.5 (1)
110 IIIIGWCI		
TOTALS	100.0 (206)	100.0 (206)

PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH WOMEN 40 YEARS AND OVER AND PERCENTAGE AND NUMBER OF SKIING HOUSEHOLDS WITH WOMEN SKIERS 40 YEARS AND OVER DULUTH, MINNESOTA

Number of Women 40 Years and Over	of Skiing	e and Number Households n 40 Years	Percentage and Number of Skiing Households With Women Skiers 40 Years and Over			
0	62.1 ([128]	88.8	(183)		
1	35.9 (74)	10.7	(22)		
2	1.5 (3)	880 KIZ			
No Answer	.5 (1)	.5	(1) .		
			Name and Address of the Owner, where the Owner, which is the Ow			
TOTALS	100.0	(206)	100.0	(206)		

HOW MANY TIMES DID YOUR HOUSEHOLD GO FOR ONLY ONE DAY TO SKIING AREAS OUTSIDE THE DULUTH AREA THE LAST SKI SEASON? DULUTH, MINNESOTA

Number of Times	Percentage and Which Skied On	l Number of Skiing Household ne Day Only	s
0	51.0	(105)	
1	15.5	(32)	
2	9.7	(20)	
3	6.8	(14)	
4	3.4	(7)	
5	3.9	(8)	
6	2.4	(5)	
7	.5	(1)	-
8	.5	(1)	
9 or More	6.3	(13)	
mom t = -			
TOTALS	100.0	(206)	

TABLE 15

HOW MANY TIMES DID YOUR HOUSEHOLD GO FOR OVERNIGHT SKIING TRIPS TO SKIING AREAS OUTSIDE THE DULUTH AREA DURING THE LAST SEASON? DULUTH, MINNESOTA

Number of Times	Percentage and Which Skied Ov	Number of Skiing Househol ernight	ds —
0	68.0	(140)	
1	15.5	(32)	
2	8.7	(18)	
3	2.9	(6)	
4	2.4	(5)	
5	.5	(1)	
6	1.5	(3)	
7		WG 600	
8			
9 or more	.5	(1)	
	Managery-aggreen collection and the	And the second second second	
TOTALS	100.0	(206)	

HOW MANY SKIERS IN EACH AGE GROUP IN YOUR HOUSEHOLD WENT SKIING AT SPIRIT MOUNTAIN IN DULUTH IN THE LAST SEASON? DULUTH, MINNESOTA

December, 1979

Age Groups				N ₁	umber	of	Househ	olds			
	0	1	2	3	4	5	6	7	8	9	Total
Boys 19 years or younger Percent Number	74.7 154	17.0 35		1.5 3	•5 1						100.0 206
Girls 19 years or younger Percent Number	83.5 172	12.1 25	3 . 9		.5 1						100.0 206
Men 20 to 39 Years Percent Number	59.2 121	36.4 75	2 . 9	.5 1	.5 1		.5 1				100.0 206
Women 20 to 39 Years Percent Number	63.5 131	33.0 68	1.5 3	•5 1	.5 1				.5 1	.5 1	100.0
Men 40 and Over Percent Number	91.7 189	8.3 17					٠				100.0 206
Women 40 and Over Percent Number	93.7 193	5.8 12		.5 1							100.0 206

Summary: There were 340 persons who had skied one or more times at Spirit Mountain during the last season (1978-1979). The total number of skiers in the 206 households was 425.

TABLE 17

HOW MANY PERSONS IN YOUR HOUSEHOLD ARE PLANNING TO SKI AT SPIRIT MOUNTAIN IN DULUTH DURING THE NEXT SEASON? DULUTH, MINNESOTA

Number of Persons Planning to Ski at Spirit Mountain Next Season (1979-1980)	_	nd Number of Households Ski at Spirit Mountain
0	14.6	(30)
1	36.3	(75)
2	27.2	(56)
3	11.7	(24)
4	4.9	(10)
5	2.9	(6)
. 6	1.9	(4)
9	.5	(1)
TOTALS	100.0	(206)

HOW MANY TIMES WILL YOUR HOUSEHOLD GO TO SPIRIT MOUNTAIN IN THE NEXT SKI SEASON? DULUTH, MINNESOTA

Number of Times Will Go to Spirit Mountain		nd Number of Households Which Will Mountain Next Season
0	17.0	(35)
1	3.9	(8)
2	8.7	(18)
3	11.1	(23)
4	7.8	(16)
5	9.7	(20)
6	4.9	(10)
7	3.9	(8)
8	1.5	(3)
9 or more	31.5	(65)

TOTALS	100.0	(206)
		The Contract of Co

TABLE 19

HOW MANY PERSONS IN YOUR HOUSEHOLD WENT SKIING AT EACH OF THESE SKI AREAS IN THE LAST SKI SEASON DULUTH, MINNESOTA

Number of Persons	Minne St. P <u>Area</u>	apolis- aul	North Minne Outis		North Wisco or Mi		Colorado or Other Western State		
	_%	No.	_%	No.	_%	No.	%	No.	
0	87.9	(181)	62.6	(129)	77.7	(160)	85.4	(176)	
1	5.3	(11)	18.4	(38)	8.7	(18)	6.8	(14)	
2	4.4	(9)	13.1	(27)	8.3	(17)	6.8	(14)	
3	. 5	(1)	1.5	(3)	1.9	(4)	• 5	(1)	
4	.5	(1)	1.9	(4)	.5	(1)			
5	.5	(1)	1.5	(3)	2.4	(5)	• 5	(1)	
6			1.0	(2)					
7									
8					.5	(1)			
9 or more	1.0	(2)			-			***************************************	
TOTALS	100.0	(206)	100.0	(206)	100.0	(206)	100.0	(206)	

TABLE 20

DID ANYONE IN YOUR HOUSEHOLD BELONG TO A SKI CLUB IN THE LAST SEASON? DULUTH, MINNESOTA

Answer	Percentage and Num Skiing Households	nber of A Sample of Dulu	th —
Yes	3.9%	(8)	
No	69.4%	(143)	
No Answer	26.7%	(55)	
TOTAL	100.0%	(206)	

TABLE 21

DID THAT SKI CLUB VISIT ANY OF THESE AREAS IN THE LAST SKI SEASON? (Percentage and Number of A Sample of Skiing Households) DULUTH, MINNESOTA

Number		n Minnesota Duluth	Norther		isconsin an	Colora Other States	Western	Spirit Mounta:		
0	98.0	(202)	98.0	(2	02)	99.0	(204)	97.5	(20)1)
1			1.0	(2)	1.0	(2)			
2			.5	(1)					
3	1.0	(2)						1.0	(2)
4	.5	(1)	.5	(1)			• 5	(1)
5										
6					•					
7								.5	(1)
8										
9	•5	(1)						.5	(1)
TOTALS	100.0	(206)	100.0	(2	06)	100.0	(206)	100.0	(20	06)

TABLE 22

WHAT HAS YOUR HOUSEHOLD KNOWN OR HEARD ABOUT SNOW CONDITIONS, LENGTH OF RUNS, AND DEGREE OF DIFFICULTY OF RUNS AT SPIRIT MOUNTAIN?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Snow Conditions	Length of Runs	Difficulty of Runs
Very Satisfactory	23.3 (48)	11.7 (24)	18.4 (38)
Fairly Satisfactory	61.7 (127)	47.0 (97)	50.5 (104)
Barely Satisfactory	4.4 (9)	15.5 (32)	10.2 (21)
Unsatisfactory	1.9 (4)	8.3 (17)	2.9 (6)
No Answer	8.7 (18)	17.5 (36)	18.0 (37)
TOTALS	100.0 (206)	100.0 (206)	100.0 (206)

TABLE 23

WHAT HAS YOUR HOUSEHOLD KNOWN OR HEARD ABOUT QUALITY OF FOOD, QUALITY OF FOOD SERVICE, AND KIND OF FOOD AND SERVICE AFTER SKIING AT SPIRIT MOUNTAIN?

(Percentage and Number of A Sample of Duluth, Minnesota Skiing Households)

December, 1979

Ratings	Food Qua	lity	Food S	ervice
Very Satisfactory	30.6 (63)	25.7	(53)
Fairly Satisfactory	45.1 (93)	48.1	(99)
Barely Satisfactory	5.8 (12)	4.9	(10)
Unsatisfactory	3.4 (7)	2.9	(6)
No Answer	15.1 (31)	18.4	(38)
TOTALS	100.0	206)	100.0	(206)

KIND OF FOOD AND SERVICE AFTER SKIING

	Percentage of Skiing Households	Number of Skiing Households
Too Formal	5.3	11
Too Informal	3.9	8
No Answer	90.8	187
TOTALS	100.0	206

TABLE 24

WHAT HAS YOUR HOUSEHOLD KNOWN OR HEARD ABOUT SERVICE, COMFORT, AND CROWDING AT THE SPIRIT MOUNTAIN CHALET?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Chalet Servide	Chalet Comfort	Chalet Crowding
Very Satisfactory	22.8 (47)	27.2 (56)	2.9 (6)
Fairly Satisfactory	53.4 (110)	45.6 (94)	29.6 (61)
Barely Satisfactory	3.9 (8)	7.8 (16)	16.1 (33)
Unsatisfactory	1.0 (2)	3.4 (7)	35.9 (74)
No Answer	18.9 (39)	16.0 (33)	15.5 (32)
TOTALS	100.0 (206)	100.0 (206)	100.0 (206)

TABLE 25

WHERE DID YOUR HOUSEHOLD FIRST HEAR ABOUT SPIRIT MOUNTAIN, DULUTH, MINNESOTA?

(Percentage and Number of a Sample of Duluth, MInnesota Skiing Households)

Sources	Percentage of A Sample of Skiing Households	Number In A Sample of Skiing Households
Advertising Media	76.2	157
Friends	17.5	36
News Stories	5.3	11
Had Not Heard of Spirit Mountain		
No Answer	1.0	2
TOTALS	100.0	206

TABLE 26

HOW IMPORTANT IS THE PRICE OF A TOW OR LIFT TICKET IN DETERMINING WHERE YOU WILL SKI?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

December, 1979

Rating	Percentage of Skiing Households	Number of Skiing Households
Very Important	30.1	62
Somewhat Important	30.6	63
Rather Unimportant	14.6	30
Not at All Important	19.4	40
No Answer	5.3	
TOTALS	100.0	206

TABLE 27

WOULD YOU CHANGE YOUR SKI TRIP FROM THE WEEKEND TO MIDWEEK IF THE PRICE OF THE LIFT

TICKET WERE LOWER AT MIDWEEK?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Answer		Percentage of Skiing Households	Number of Skiing Households
Yes		69.9	144
No		22.8	47
No Answer		7 . 3	15
	TOTALS	100.0	206
		Principles of the Control of the Con	

TABLE 28

HOW IMPORTANT IS THE PRICE OF YOUR LODGING IN THE COST OF YOUR SKI VACATION? (Percentage and Number of a Sample of Duluth, Minnesota, Skiing Households)

Rating	Percentage of Skiing Households	Number of Skiing Households
Very Important	45.1	93
Somewhat Important	20.9	43
Rather Unimportant	7.3	15
Not At All Important	12.6	26
No Answer	14.1	29
TOTALS	100.0	206

TABLE 29

DURING THE LAST SKI SEASON HOW MANY OF YOUR SKI TRIPS WERE BY THESE MEANS OF TRANSPORTATION?

(Percentage and Number of Trips of A Sample of Duluth, Minnesota Skiing Households)

Number of Trips	Automobile	Bus	Railroad	Air
0	4.9 (10)	91.2 (188)	99.5 (205)	96.1 (198)
1	5.3 (11)	3.9 (8)	.5 (1)	3.4 (7)
2	6.8 (14)	1.9 (4)		.5 (1)
3	8.7 (18)	1.0 (2)		
4	9.2 (19)			
5	7.3 (15)			
6	5.3 (11)			
7	4.4 (9)	.5 (1)		
8	2.4 (5)			
9 or mor	e 45.7 (94)	1.5 (3)		
TOTALS	100.0 (206)	100.0 (206)	100.0 (206)	100.0 (206)

TABLE 30

HOW SATISFIED WERE YOU WITH YOUR HOTEL OR MOTEL
ACCOMMODATIONS IN DULUTH ON YOUR LAST VISIT?
(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Percentage of Skiing Households	Number of Skiing Households
Very Satisfied	28.6	59
Somewhat Satisfied	15.0	31
Uncertain	3.9	8
Somewhat Dissatisfied	3.4	7
Very Dissatisfied	1.0	2
No Answer	48.1	99
TOTALS	100.0	206

TABLE 31

HOW IMPORTANT IS IT TO YOU TO HAVE LODGING ON SPIRIT MOUNTAIN?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

<u>Rating</u>	Percentage of Skiing Households	Number of Skiing Households
Very Important	41.7	86
Somewhat Important	20.4	42
Not Important	24.3	50
No Answer	13.6	28
TOTALS	100.0	206

TABLE 32

PRINCIPAL HOTELS OR MOTELS YOU WOULD RECOMMEND THE NEXT TIME YOU OR A FRIEND VISITS DULUTH (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Hotels or Motels	First Hotel or Motel Recommended	Second Hotel or Motel Recommended
Normandy	24.8 (51)	20.4 (42)
Radisson-Duluth	21.8 (45)	20.9 (43)
Edgewater	13.1 (27)	11.2 (23)
Hotel Duluth	5.8 (12)	1.9 (4)
Holiday	4.9 (10)	3.4 (7)
Budget Inn	3.4 (7)	1.9 (4)
Buena Vista	1.9 (4)	.5 (1)
Spirit Mountain	1.5 (3)	2.4 (5)
Thrifty Scot	1.5 (3)	1.9 (4)
Grand Motel	1.0 (2)	
Lake Aire	1.0 (2)	.5 (1)
Viking Motel	1.0 (2)	.5 (1)
Downtown	.5 (1)	1.0 (2)
Bridgeview	.5 (1)	
Duluth Motel	.5 (1)	, .
Sundown	.5 (1)	
Voyageur	.5 (1)	.5 (1)
Willard	.5 (1)	
Other	15.3 (32)	34.9 (72)
TOTALS	100.0 (206)	100.0 (206)

TABLE 33

PRINCIPAL RESTAURANTS YOU WOULD RECOMMEND THE • NEXT TIME YOU OR A FRIEND VISITS DULUTH (Percentage and Number of A Sample of Duluth, Minnesota Skiing Households)

Restaurant	First F	Restaurant ended	Second Recomme	Restaurant ended
Chinese Lantern	24.3	(50)	13.1	(27)
Pickwick	12.1	(25)	10.7	(22)
Grandma's	11.7	(24)	8.7	(18)
Bellows	7.8	(16)	6.8	(14)
Jolly Fisher	6.8	(14)	7.8	(16)
Spirit Mountain	3.9	(8)	1.9	(4)
Black Steer	2.9	(6)	2.4	(5)
Highland	2.9	(6)	3.4	(7)
Anchor Inn	1.9	(4)	1.0	(2)
Normandy	1.5	(3)	4.4	(9)
Perkins	1.5	(3)	1.0	(2)
Robin Hood	1.5	(3)	1.0	(2)
Branding Iron	1.0	(2)	1.5	(3)
Casa De Roma	1.0	(2)	1.5	(3)
Country Kitchen	1.0	(2)	1.0	(2)
Mr. Steak	1.0	(2)	• 5	(1)
Radisson	1.0	(2)	2.4	(5)
Williams North Shore	1.0	(2)	8.3	(17)
Others	15.2	(32)	22.6	(47)
TOTALS	100.0	(206)	100.0	(206)
		39		

TABLE 34

HOW SATISFIED WERE YOU WITH THE FOOD AND SERVICE ON YOUR LAST VISIT TO A DULUTH RESTAURANT? (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Percentage of Skiing Households	Number of Skiing Households
Very Satisfied	64.0	132
Somewhat Satisfied	27.2	56
Uncertain	•5	1
Somewhat Dissatisfied	3.9	8
Very Dissatisfied	4.4	9
No Answer		
TOTALS	100.0	206

TABLE 35

PLEASE ESTIMATE THE TOTAL AMOUNT WHICH YOUR HOUSEHOLD SPENT ON YOUR LAST SKI VACATION IN NORTHERN MINNESOTA, WISCONSIN

OR MICHIGAN

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

-	Amount	Percentage of Skiing Households	Number of Skiing Households
	0-\$200	38.3	79
	\$201 t o \$400	9.7	20
	\$401 to \$600	1.5	3
	\$601 to \$800	1.0	2
	\$801 to \$1000	1.5	. 3
	\$1001 to \$1500	.5	1
	\$1501 or More	• 5	1
	No Answer .	47.0	97
	TOTALS	100.0	206
			energosco-plinites energia productivo en

HOW MANY MEMBERS OF YOUR HOUSEHOLD WERE ON THAT SKI VACATION?

(Referring to Last Ski Vacation in Northern Minnesota, Wisconsin or Michigan Except Duluth)

(Percentage and Number of a Sample of Duluth Minnesota Skiing Households)

Number of Persons	Percentage of Skiing Households	Number of Skiing Households
1	18.9	39
2	21.8	45
3	5.8	12
4	3.4	7
5	1.5	3
6		
7	. •	
8		
9		
No Answer	48.6	100
TOTA	LS 100.0	206

TABLE 37

DO YOU THINK THAT THE AVAILABILITY OF CROSS COUNTRY SKIING AT SPIRIT MOUNTAIN:

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Percentage of Skiing Households	Number of Skiing Households
Encourages More Skiing There?	39.3	81
Discourages Skiing There?	4.9	10
Has No Effect On Skiing Plans?	52.4	108
No Answer	3.4	7
TOTALS	100.0	206

DO YOU THINK THAT THE AVAILABILITY OF NIGHT SKIING AT SPIRIT MOUNTAIN:

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Rating	Percentage of Skiing Households	Number of Skiing Households
Encourages More Skiing There?	70.4	145
Discourages Skiing There?	1.9	4
Has No Effect On Skiing Plans?	23.3	48
No Answer	4.4	9
TOTALS	100.0	206

WHAT TYPES OF FOOD AND BEVERAGE SERVICE WOULD YOU LIKE AT SPIRIT MOUNTAIN?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

<u>Type</u>	Percentage of Skiing Households	Number of Skiing Households
Standup Quick Service Food And Beverage	31.6	65
Inexpensive	31.0	
Table Service	38.8	80
Full Service Dining Room With Complete Menu	9.7	20
Full Service Dining Room with Entertainment	13.1	27
Other	3.9	8
No Answer	2.9	6
TOTALS	100.0	206

WHAT DO YOU LIKE MOST ABOUT SPIRIT MOUNTAIN?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Subject	Percentage of Skiing Households	Number of Skiing Households
Attractive Ski Runs	11.7	24
Short Driving Distance to Spirit Mountain	40.8	84
Scenery	28.6	59
Chalet Attractive	1.9	4
Spirit Mountain Villas		5-
Short Wait for Lift	1.0	2
Little Crowding	•5	1
Adequate Parking		·
Ski Shop		mo om
Cross Country Skiing		ou -
Courtesy	.5	1
Other	12.1	25
No Answer	2.9	6
TOTALS	100.0	206

WHAT DO YOU DISLIKE MOST ABOUT SPIRIT MOUNTAIN?

(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Subjects	Percentage of Skiing Households	Number of Skiing Households
Crowding	21.8	45
Waiting for Lift	3.4	7
Ski Runs Inadequate	6.8	14
Ski Shop		car des
Driving Distance to Spirit Mountain	1.0	2
Easy Runs	1.0	2
Snow Conditions Poor	one man	
Parking Inadequate	8.7	18
Food Service	1.5	3
Spirit Mountain Villas		
Resort Roads	.5	1
Chalet	•5	1
Cross Country Skiing	1.5	3
Discourtesy	1.0	2
Other	34.0	70
No Answer	18.3	38
TOTALS	100.0	206

TABLE 42

WHAT ARE YOUR THREE FAVORITE SKI AREAS IN THE UPPER
MIDWEST OUTSIDE OF THE TWIN CITIES?
(Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Ski Areas	Favorite Ski Areas in Upper Midwest Li Areas Percentage and Number				
	First Choice		Third Choice	Total Number	
Lutzen	45.6 (94)	5.8 (12)	.5 (1)	107	
Telemark	3.4 (7)	9.2 (19)	3.9 (8)	34	
Spirit Mountain	14.6 (30)	20.4 (42)	6.8 (14)	86	
Indian Head	4.9 (10)	6.8 (14)	5.3 (11)	35	
Sugar Hills	1.9 (4)	4.4 (9)	4.4 (9)	22	
Quadna	.5 (1)	1.0 (2)	2.9 (6)	9	
Montana	.5 (1)		क्षात्र माने क्षात्र कृत्य वृत्य वृत्य माने	1	
White Cap	.5 (1)	.5 (1)	.5 (1)	3	
Powder Horn	.5 (1)	1.5 (3)	6.8 (14)	18	
Iron Mountain	.5 (1)	1.0 (2)	.5 (1)	4	
Thunder Bay	.5 (1)	1.0 (2)	.5 (1)	4	
Bemidji	.5 (1)	에서 다음 아이 나를 받아 보니		1	
?	2.4 (5)	1.9 (4)	1.0 (2)	11	
Afton	행당 보면 이번 분부 다다 대부	1.0 (2)	and 400 and 100 and 400	2	
Troll Haugen	gano Chan town KOND 2000 CHAQ	.5 (1)	المه جدة منه منه	1	
Porcupine	क्ष्मण काल काल विकास व्यवस	1.5 (3)	.5 (1)	4	
Powder Ridge	erate many games depart action destro	.5 (1)	التلقة وإنها والكال وليها أشارة والراء	1	
Mt. McKay		.5 (1)	1.0 (2)	3	
Other	7.3 (15)	8.3 (17)	11.2 (23)	55	
No Answer	<u>16.5</u> <u>(34)</u>	34.2 (71)	54.2 (112)	217	
TOTALS	100.0 (206)	100.0 (206) 48	100.0 (206)	6.8	

TABLE 43

WHY DID YOU SELECT YOUR FAVORITE SKI AREA? (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Reason	Percentage of Skiing Households	Number of Skiing Households
Attractive Ski Runs	26.7	55
Reasonable Driving Distance	17.0	35
Cross Country Runs	4.9	10
Scenery	12.1	25
Crowding Minimal	2.9	6
Snow Conditions	est data	sao 186
Chalet	1.5	3
Entertainment	eas day	
Resort Roads	·	
Waiting For Lift	wo and	
Food	•5	1
Staff	.5	1
Other	13.1	27
No Answer	20.8	43
TOTALS	100.0	206

TABLE 44

OCCUPATION OF PRINCIPAL MALE AND FEMALE IN HOUSEHOLD (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

<u>Type</u>	Principal Ma Occupation		Princ Occupa	ipal Female
Professional	20.9 (43)	18.4	(38)
Managers and Administrators	17.5 (36)	5.3	(11)
Salesworkers	5.3 (11)	4.4	(9)
Clerical Workers	.5 (1)	12.6	(26)
Craft and Kindred Workers	12.1 (25)	00 CE	
Operatives	5.3 (11)	1.5	(3)
Transportation Operators	4.4 (9)	NIS 690	
Nonfarm Laborers	7.3 (15)		
Service Workers	1.5 (3)	4.9	(10)
Students	7.8 (16)	4.9	(10)
Homemakers			31.1	(64)
Other	8.3 (17)	2.9	(6)
No Answer	9.1 (19)	14.0	(29)
TOTALS	100.0 (206)	100.0	(206)

TABLE 45

EDUCATION OF PRINCIPAL MALE AND FEMALE IN HOUSEHOLD (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

-	Гуре	Principal Male Education			Principal Female Education		
1	High School	25.2	(52)	35.0	(72)	
;	Some College or Vocational School	31.6	(65)	28.6	(59)	
(College Degree	34.5	(71)	24.3	(50)	
I	No Answer	8.7	(18)	12.1	. (25)	
	TOTALS	100.0	(206)	100.0	(206)	
					-		

TABLE 46

AGE GROUP OF RESPONDENTS (Percentage and Number of a Sample of Duluth, Minnesota Skiing Households)

Respondents	Percentage of Skiing Households	Number of Skiing Households
Male 19 or Younger	3.9	8
Female 19 or Younger	2.4	5
Male 20 to 39 Years	25.7	53
Female 20 to 39 Years	37.9	78
Male 40 or Over	9.7	20
Female 40 or Over	19.4	40
No Answer	1.0	2
TOTALS	100.0	206

Duluth-SPIRIT MOUNTAIN TOURISM STUDY Duluth Ohly - December, 1979

		Information Provided to Interviewers
elephone		
ousehol d	Name:	

		d name:											
Interv	'ie'	wer Name:											
		Information Provided to K	ev S	Punch	One	erato	rs				•		* · · · · ·
1,2,3		Questionnaire Number		41.67							7	/ .	
·	-												
		(To Interviewer: Begin interview with this "My name is, and I am mak the principal man or woman in your household	ing	a su	rve	on oleas	wint se an	er \ swer	acat	ion:	s. I	f you	are
		How many persons live in your household and season?	how	many	wei	it s	ciing	dur	ing	the	last	ski	an film and the second
4 (:	')	Number in household		1	2	3	4	5	6	7	8	9 01	· more
5 (6 ()	Number skiing What type of skiing do you do personally?	0	1 1=d 3=n	2 owni one	3 Illin	4		6 ross no ar		8 intry r	9 or	· more
		Interviewer: If 0 on 5, thank respondent an	d te	ermin	ate	int	rvie	₩.					
		How many persons in each of these age groups skiing during the last ski season?	liv	/e in	you	ir ho	useh	old	and	how	many	went	•
7 ()	Number of young men or boys 19 years or younger living in your household	0	1	2	3	4	5	5	7	8	9 or	· more
8 ()	And the number of young men and boys who went skiing in the last ski season	0	1	2	3	4	5	6	7	8	9 or	פיוסח י
9 ()	Number of young women or girls 19 years or younger living in your household	0	1	2	. 3	4	5	6	7	8	9 or	more
10 ()	And the number of young women and girls who went skiing in the last ski season	0	1	2	3	4	5	6	7	8	9 or	• מסירפ
11 ()	Number of men 20 to 39 years living in your household	0	1	2	3	4	5	5	7	3	9 01	more
12 ()	And the number of men 20 to 39 years who	0	1	2	3	4	5	6	7	8	9 01	nore

1	13 (()	Number of women 20 to 39 years living in your household	0	1	2	3	4	5	6	7	8	9	or	more
7	14 (()	And the number of women 20 to 39 years who went skiing in the last ski season	0	7	2	3	4	5	6	7	8	9	or	more
1	15 (()	Number of men <u>40 years and over</u> living in your household	0	1	2	3	4	5	6	7	8	9	or	more
.1	6 (·)	And the number of men 40 years and over who went skiing in the last ski season	a	1	2	3	4	5	6	7	8	9	or	more
1	7 ()	Number of women 40 years and over living in your household	0	1	2	3	4	5	6	7	8	9	or	more
1	8 ()	And the number of women 40 years and over who went skiing in the last ski season	O	1	2	3	4	5	6	7	8	9	or	more
1	9 ()	How many times did your household go for only one day to skiing areas outside the Deluth area during the last ski season?	0	1	2	3	4	5	6	7	8	9	or	more
2	0 (::)	How many times did your household go for overnight skiing trips to skiing areas outside theDulath area during the last season?	0	1	2	3	. 4	5	6	·· 7	8	9	or	more
-2	1 ()	In which one of these age groups are you? (3) Male 20 to 39, (4) Female 20 to 39, (5)	(1) M Male	1a i e 40	19 c	r yo	unge , (6)	er (2 Fema	2)Fer	nale 10 tor	19 c	r j	(our	nger, None
22	()	How many of the skiers in each age group in Mountain in Duluth in the last season?" Boys 19 years or younger	your O	· ho	useho 2	old v	vent 4	ski 5	ing a	at Sp	oirit 8	_	or	more
23			Girls 19 years or younger	0	1	2	3	4	5	6	7	8	9	ar	more
24	()	Men 20 to 39 years	0	1	2	3	4	5	6	7	8	9	or	more
25	()	Women 20 to 39 years	0	1	2	3	4	5	6	7	8	9	or	more
26	()	Men 40 years and over	0	1	2	. 3	4	5	6	7	8	9	or	more
27	()	Women 40 years and over	0	1	2	٤.	4	5	6,	7	8	9	or	more
28	()	How many persons in your household are plar to ski at Spirit Mountain in Duluth during next ski season?	nning the 0	1	2	3	4	5	6	7	8	9	or	more
29	()	How many times will your household go to Spirit Mountain in the next ski season?	o.	1	2	3	4	5	6	7	8	9	or	more

			•											.
			How many persons in your household went skiin the last ski season?	ga	at e	each	of t	hese	ski	are	as i	7		
30	()	Minneapolis-St. Paul area	0	1	2	3	4	5	6	7	8	9	or more
37	()	Northern Minnesota	Q	1	2	3	4	5	б	7	8	9	or more
32	()	Northern Wisconsin or Michigan	0	1	2	3	4	5	6	7	8	9	or more
13	()	Colorado or other Western State	0	1	2	3	4	5	6	7	8	9	or more
34	Ç)		0=	No	answ	er	1=	• Yes		2=	No		
. ——			Did that ski club visit any of these areas in	ti	ne 1	last	ski	seaso	n?	•			-	
15	•)	Northern Minnesota	0	1	2	3	4	5	6	7	8	9	or more
16	()	Northern Wisconsin or Michigan	0	1	2	3	4	5	6	7	8	9	or more
17	(}	Colorado or other Western State	0	1	2	3	· 4	5	6	7	8	9	or more
18	()	Spirit Mountain, Duluth	0	1	2	3	4	5	6	7	8	9	or more
19 ((1)	Has your household known or heard that at Spirit Mountain in Duluth the ski runs are about the same, better, or worse than those in Northern Wisconsin, Michigan, and Minnesot		No a	inswe		1=Sa	ius.	2:	=8et	ter .	3	=Worse
			Has your household known or heard that during Spirit Mountain in Duluth:	tì	e I	ast	5025	on a	•					-
0	(:)	•					ctor		2=F	airl	y Sat	isf	factory
			were	4=	Uns	satis	fact	ory		5=N	o an:	swer		
7	()	Length of ski runs generally: l=Very Satisfactory 2=Fairly Satisfactory 4=Unsatisfactory 5=N				ely	Sati	sfaci	tory				
2	()	Degree of difficulty of ski runswas generally l=Very satisfactory 2=Fairly satisfactory	:	3=8	Barel	y sa	itisfa	ictoi	ry	4== 5==	Unsat No ar	isf ISWE	actory
3	())	Has your household known or heard that the food and food service at Spirit Mountain is about the same, better, or worse than the food at other ski resorts in Northern Wisconsan, Michigan, and Minnesota?	0=1	, No a	answe	r	1=S	ame	2	-8et	ter		=Worse

)5 (j	·) 	How important is the price of a tow or lift ticket in determining where you will ski?	tant is the price of a tow or lift determining where you will ski?								2=Somewhat important 4=Not at all importan							
i6 ()	Would you change your ski trip/from the week to midweek if the price of the lift ticket	end				NAME AND POST OF											
		were lower at midweek?]=\	' es		2=N	9	3=	•No a	answ	5 1°							
i7 ()	How important is the price of your lodging in the cost of your ski vacation in areas other than Duluth?	3=	lery Ratho	er u	amin	nt ortar	t	2=Somewhat important 4=Not at all importan									
		During the last ski season how many of your	ski	tr'i)5 W	ere	by:						p.					
8 (j	:)	Private Automobile	0	7	2	3	4	5	6	7	8	9	or	more				
9 ().	Bus	0	1	2	3	4	5	6	7	8	9	or	more				
0 ()	Railroad	0	1	2	3	4	5	6	7	8	9	or	more				
1 ()	Airplane	0	1	2	3	4	5	6	7	8	9	ar	o more				
2 ()	your friends with How satisfied were you or / hotel or motel accommodations in Duluth on the last visit?	3=Uncertain 4=Son									omewnat satisfied omewnat dissatisfi o answer						
3 ()	to visitors How important is it / to have lodging on Spirit Mountain?		lery lot							what Iswei		יסו	tant				
		Which two hotels or motels would you recomme	nd															
4-65	O	the next time you or a friend visits Duluth?	Cac	ie														
6 -6 7	£,)	Coc	ie				-										
		Which two restaurants would you recommend the next time you or a friend visits a Duluth restaurant?	e						•									
3-69		}	Coc	ieˈ		orange and the												
J-71	₹ ·	<i>i</i>	Coc	ie														
2 ()	How satisfied were you with the food and																
		service on your last visit to a Duluth restaurant?	3={	lery Ince: lery	rtai	n	ed sfie	4=	=Som					ed Sfied				

73				Please estimate the total amount which your household spent on your last ski vacation in Northern Minnesota, Wisconsin or Michigan, in areas other than Duluth.	•	1 2 2	201 401 601 801 ,001 ,501	to to to	1,0 1,5 2,0 2,5	00 00 00	1234567890					
74	()	How many members of your household were on that ski vacation?	0	1	2	3	4	5	б	7	8	ġ	ar	more
75)	Do, you think that the availability of cross country skiing at Spirit Mountain: = encourages your household to ski there more 2=discourages your household from skiing there 3=has no effect on household skiing plans 0=no answer												
76	(•)	Do you think that the availability of night skiing at Spirit Mountain:	2=c 3=t	isc as	oura	ges ffec	your		eho1	d fr	om s	ski	ing	more there
77.	((2	What types of food and beverage would you like at Spirit Mountain? (1) standup quick : inexpensive table service, (3) full-service dining room with entertainments.	rice	dir	iing	TOO	m wi	th co	mple		enu.,			Ricegood Colonic of #129

^{78.} Do you believe that Spirit Mountain is now being operated: (1) very efficiently, () (2) somewhat efficiently, () uncertain, (4) somewhat inefficiently, (5) very inefficiently.

- 11-12 What do you like most about Spirit Mountain? (1) Attractive ski runs,
 (2) short driving distance to Spirit Mountain, (3) Scenery at
 Spirit Mountain, (4) Attractive Chalat, (5) Attractive Spirit Mountain Villas,
 (6) Short wait for the ski lift, (7) Little crowding, (8) Adequate parking,
 (9) Attractive ski shop, (10) Attractive cross country skiing, (11) employee courtesy
 (12) Other reason List below:
 - (99.) No answer .
- 13-14 What do you dislike most about Spirit Mountain? (1) Too much crowding, (1) (2) Waiting for the ski lift, (3) Ski runs are inadequate, (4) Ski shop is unattractive, (5) Driving distance to Spirit Mountain is too great. (6) Runs are too easy. (7) Snow conditions are usually poor. (8) Parking is inadequate. (9) Food service is inadequate. (10) Spirit Mountain Villas are unsatisfactory. (11) Resort roads are inadequate. (12) Chalet is inadequate. (13) Cross country skiing is inadequate. (14) employee discourtesy, (15) other-list below.
 - (99) No answer.
- 15-16 What are your three favorite ski areas in the upper Midwest outside of the () Twin Cities?
- 17-18 (1) Lutzen, (2) Telemark, (3) Afton, (4) Troll Haugen, (5) Spirit Mountain,
- (6) Indian Head, (7) Birch Park, Wis., (8) Wild Mountain, (9) Sugar Hills,
- () (10) Quadra, (11) Welsh Village, (12) Porcupine, (13) Snow Crest,
 - (14) Montana Resorts, (15) White Cap, (16) Bircherest, (17) Powder Horn,
 - (18) Iron Mountain, (19) Thursier Bay, (20) Detroit Mountain, (21) Besidji,
 - (22) Powder Ridge, (23) Bridge, (24) Park Rapids, (25) Red Mountain,
 - (26) Mt Du Lac Ski Area, Duluth (27) Brule River Cross Country Skiing,
 - (2B) Lakeview Ski Chalet, Duluth, (29) Mount McKay, Thurder Bay, Canada
 - (39)Other. List (99) No answer.
- 21-22 Give one reason why you like these ski areas.
 - (1) Attractive ski runs, (2) short driving distance to ski resort, (3) scenery,
 - (4) attractive chalet, (5) attractive villas, dormitories, or housing, (6) short wait for ski lifts, (7) little crowding, (8) adequate parking, (9) attractive ski shop, (10) attractive cross country skiing, (11) interesting shopping areas near skiing resort, (12) attractive food and food service, (13) friendly staff at resort, (14) other list below. (99) no answer.

- 23-24 What is the principal occupation of the principal male in your household?

 (Give name of occupation. Select classification number from the list to write in the brackets.)
 - (1) professional (physicians, attorneys, teachers, nurses, certified public accountants, engineers, actors and actresses, others of same nature)
 - (2) managers and administrators (owners and managers of businesses, sales managers, personnel managers, accounting managers, heads of government departments, school administrators, others of same nature)
 - (3) salesworkers (sales persons in stores and other business organizations)
 - (4) clerical workers (typists, secretaries, filing clerks, office workers who are not administrators, and others of same nature)
 - (5) craft and kindred workers (carpenters, plumbers, painters, and others of similar nature)
 - (6) operatives (operators of steam showeds and other equipment, factory machine operators, and others of same nature)
 - (7) transportation operators (truck and bus drivers, railroad engineers, pilots, and others of similar nature)
 - (8) nonfarm laborers (persons who do physical labor on streets, construction, and the like)
 - (9) service workers (all persons who provide service except those in the groups above. includes beauty operators, barbers, waiters, waitresses, etc.)
 - (10) students
 (11) homemaker (person, usually wife, who maintains home)
 - (12) other
 - (99) no answer
- 25-25 What is the principal occupation of the principal female in your household?

 () (Give name of occupation and select classification number from list to write in the brackets.)
- 27() Would you please tell me in which educational unit to principal male is?
 - (1) High school graduate or less, (2) some college, junior college, or vocational school, (3) college degree or more, (4) no answer.
- 28() Would you please tell me in which educational unit the principal female is? (Interviewer usaths four units in question 27 above.)
- 29() In which one of these groups is your total household income?
 - (1) Under \$20,000. (2) \$20,000 to \$40,000 (3) \$40,000 or more
 - (0) no answer.
- 30() Do you have an automobile available in your household?
 - (1) Yes, (2) No. (3) Don't know or no answer.
- 31() How often did you use the Duluth city bus system in the past 12 months?
 - (1) 24 or more days. (2) 1 to 23 days. (3) did not use the bus, (4) no answer.
- 32() How many times each month do you shop in the Miller Mall area?
 - (1) 1 through 5 times, (2) 6 through 10 times, (3) 11 or more times,
 - (4) not at all, (5) no answer.
- 33() How many times each month do you shop in the downtown Duluth area? (Use units in 32)

METHODOLOGY

The Duluth Spirit Mountain skiing and tourism study of 1979 involved two separate samples, the first in the metropolitan area of Minneapolis and St. Paul, and the second in Duluth, Minnesota. All directory, residential telephones in Duluth had an equal chance to be included in the systematic random sample for that area. The same was true for the Minneapolis-St. Paul area.

In Duluth there were 1892 telephone calls attempted. There were 206 households which were qualified as skiing households and which were willing to respond to the telephone interview. There were 811 households which did not answer the telephone or were otherwise unavailable. A total of 542 households were not qualified, and 333 households refused to participate in the survey.

The qualification was that at least one person in the household must have skied at a ski resort during the previous skiing season.

Telephone interviews were conducted over a period of three weeks in late November and early December, 1979.

The data from the completed questionnaire were coded and transferred to provide computer input. The computer program used was the Statistical Package for the Social Sciences (second edition), published by McGraw Hill Book Company, and the usual tests for statistical significance were calculated.

The reader should be aware that at a confidence level of 94.45% (two standard deviations) on a simple yes and no question, using the sample of 206 households, a percentage such as 37.3 should be read plus or minus 7.5 points or from 29.8% to 44.8%. At a confidence level of

68.27% (one standard deviation) the same percentage, 37.3, should be read plus or minus 3.8 points. Other percentage reliability limits are available.