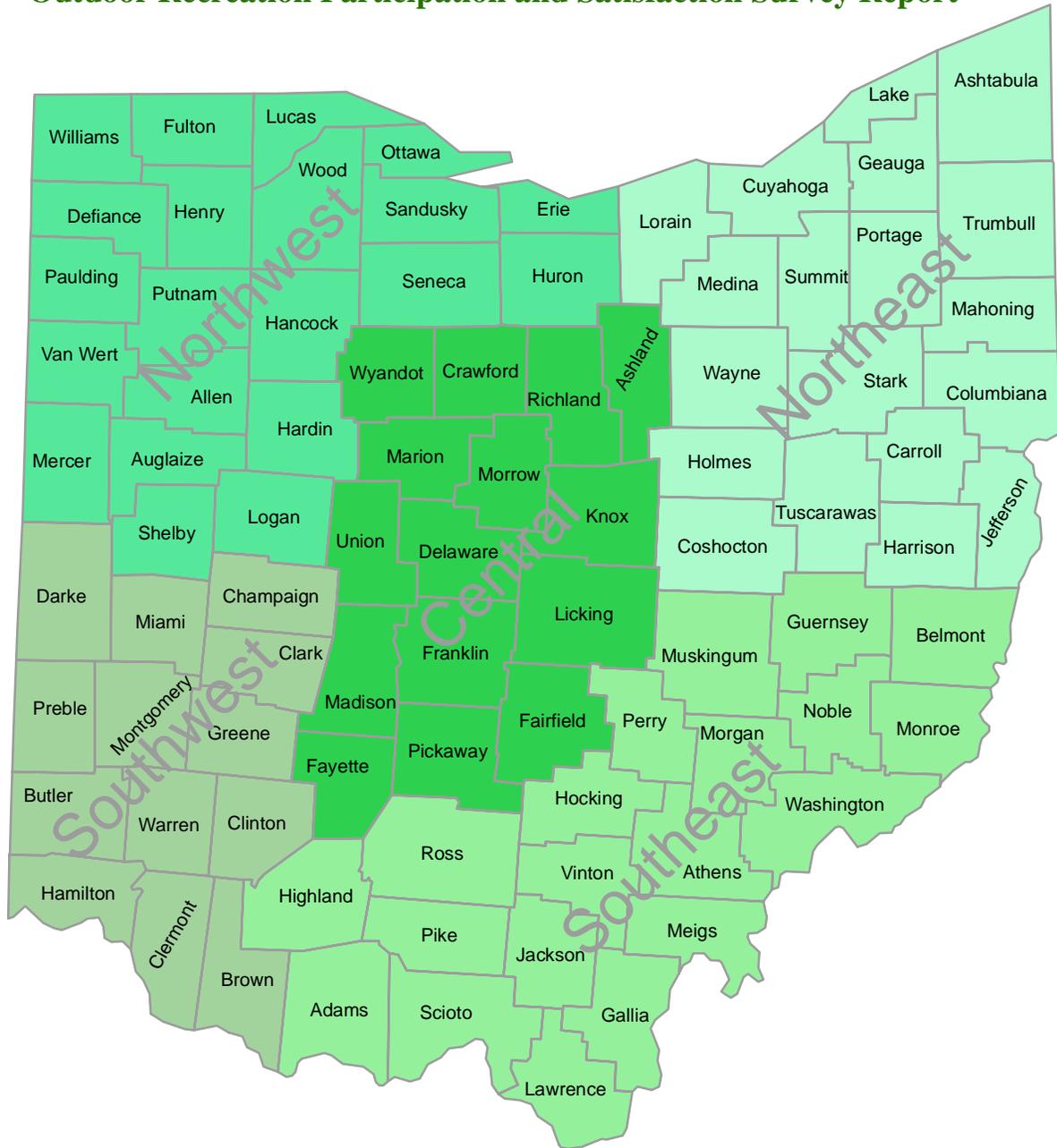


2006 Ohio

Outdoor Recreation Participation and Satisfaction Survey Report



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II. Introduction

In November 2006, the Ohio Department of Natural Resources Division of Real Estate and Land Management (ODNR) contracted with the George Voinovich School for Leadership and Public Affairs (GVS) to conduct a statewide 6,000 household survey investigating Ohio households' outdoor recreation preferences. The survey queried households regarding their actual participation levels in outdoor recreation activities on public and private lands and waters during 2006. Households were defined as any or all adults and children permanently living in the residence during the 2006 calendar year. Topics covered in the survey included favored recreational activities, barriers to participation in recreational activities, satisfaction levels with recreation experiences, and distances traveled for recreation. In addition, the survey investigated expenditure levels for various recreation activities and preferences for the use of taxpayer money on public outdoor recreation. A total of 1,580 completed surveys were returned by contacted households.

This survey is the most recent of a series sponsored by ODNR to investigate recreational participation preferences, which last took place in 1997. Following the recommendations of the ODNR Statewide Comprehensive Outdoor Recreation Participation (SCORP) Survey Workgroup and GVS project staff, the 1997 Ohio Outdoor Recreation Participation Survey instrument was substantially revised for this study. Analysis of the survey was conducted at the state and ODNR region level. This is the first time that ODNR has investigated these issues at the region level.

III. Survey Methodology

Survey Design

The survey instrument was developed by the ODNR SCORP Survey Workgroup, which used as its primary source the ODNR 1997 Ohio Outdoor Recreation Participation Survey instrument. In addition, thirteen focus groups and one public meeting were held during 2006 with over one hundred outdoor recreation professionals and enthusiasts from across Ohio. Outdoor recreation participation patterns, trends and related issues were discussed in great detail. Input from these statewide meetings was used to update the 1997 survey instrument, as was pilot testing of the revised instrument with non-professionals. The revised instrument was then shared with the GVS project team which made additional recommendations for item content, format, and scaling, and conducted further pilot tests with non-professionals. One typical change was the definition of household, which in the current version reads “any or all of the adults and children who permanently lived in your residence in 2006” but in the 1997 version read “the primary income earner, his/her mate and children, and any other persons (parents, friends) permanently living at your residence last year”. After final approval of the survey questionnaire by ODNR, GVS prepared the 2006 Ohio Outdoor Recreation Participation and Satisfaction Survey (2006 Survey) instrument as an electronically scannable document (Appendix I).

Sample Selection

For Phase 1 of this two phase survey process, 1,000 households were randomly selected from each of the five ODNR regions to participate. Addresses were obtained by ODNR from the Ohio Bureau of Motor Vehicles, which extracted the sample from their database of all Ohio licensed drivers ages 18-90. GVS project staff then applied a random number generator to the database to select 1,000 licensed drivers from each ODNR region to receive a survey. As part of this selection process, licenses associated with partial addresses were excluded from the survey sample. Additional randomly selected addresses were reserved for use in Phase 2 when 1,000 more surveys were mailed. The number of surveys mailed to each region in Phase 2 was to be determined by each region’s response to Phase 1. The purpose behind this two phase process was to obtain sufficient surveys from each region to allow for analysis at this level, while keeping the mailing costs within limits of the budget for this project.

Survey Process

Four mailings were used in Phase 1 to maximize response in correspondence with the

methodology outlined by Don Dillman in “Mail and Internet Surveys, 2nd Edition.” The first of these mailings, an advance postcard explaining the survey and requesting the prospective respondent to participate, took place on January 4, 2007. A few days later the second mailing of the survey instrument, along with a stamped return addressed envelope were posted. The third mailing on January 25 was a thank you/reminder postcard to encourage participation. Finally, on February 12 through 14 a fourth and final mailing of a second copy of the survey form and a stamped, self-addressed envelope was distributed to non-respondents. The cover letter to this mailing reiterated the importance of the project and encouraged prospective respondents to please return their survey. An incentive was offered to all respondents in the form of a free nights stay at an Ohio State Park campground (certain conditions applied). This entire process was repeated for Phase 2, which began with the mailing of the advance postcard on February 22.

Survey Response

The survey response goal was at least 300 surveys per region. By February 16, Phase 1 respondents had returned 887 completed surveys, with the Northwest region yielding the largest number, and Southeast the smallest. The number of completes per region at this time was used to calculate the distribution of surveys in Phase 2 (Table 1).

Table 1: Survey Response

Region	Number Surveys Mailed			# Surveys in Database
	Phase 1	Phase 2	Total	
Northwest	1,000	180	1,180	323
Southwest	1,000	204	1,204	323
Central	1,000	204	1,204	304
Northeast	1,000	204	1,204	314
Southeast	1,000	208	1,208	316
Total	5,000	1,000	6,000	1,580

Collection of surveys continued until April 9, 2007 when the database was closed and analysis began. At that time there were 1,849 returned surveys, with 1,580 surveys sufficiently complete to be included in the analysis database, while 269 blank surveys were excluded as incompletes. Incentive coupons were requested by 878 respondents. An additional 570 respondents were removed from the sample because their surveys were returned as non-deliverable by the US Postal Service. Adding these numbers (1,849 +570), a total of 2,419 or 40.3% of the sample of 6,000 respondents are accounted for. The response rate to the survey is 35.8% (1,849 / (6,000-269-570)). Since April 9, a small number of surveys have continued to arrive in the mail, but these responses were not included in the analysis database.

Table 2: Survey Weights

Region	Survey Database		Household Population ¹		Weights
	Number	Percent	Number	Percent	
Northwest	323	20.4%	580,985	13.1%	1,799
Southwest	323	20.4%	1,053,820	23.7%	3,263
Central	304	19.2%	789,106	17.7%	2,596
Northeast	314	19.9%	1,699,427	38.2%	5,412
Southeast	316	20.0%	322,435	7.3%	1,020
Total	1580	100.0%	4,445,773	100.0%	

¹ 2000 US Census of Population, SF 1

The goal of the survey was to provide information at the State and region level. This presented a challenge as the regions in this study have very different household populations. For example, according to the 2000 US Census of Population there are over one million households in the Southwest region while there are 322,435 households in the Southeast region (Table 2). To allow for a robust study at the region level, at least 300 surveys were required to be collected from each region, and this was accomplished. However, this presented problems for the state analysis as it was important to ensure that the responses from regions with smaller populations did not unduly influence the State level results of the survey. For example, while the Northwest region contains 13.1 percent of the households in Ohio and the Southwest region contain 23.7 percent, both regions make up 20.4 percent of the survey database.

Therefore, weights were constructed by calculating the number of Ohio households located in a region, as reported in the 2000 U.S. Census of Population, and dividing this by the number of surveys from that region ($580,985 / 323 = 1,799$). These weights were then applied to the survey data prior to initiating the State level analyses. Mail costs associated with survey distribution are directly related to the survey size. This approach to controlling the sample size at the region level and weighting the state level analysis provided the most cost effective study possible. This allowed the data to be analyzed at the region level while also providing a sampling frame for the state level analysis that accommodates the household population issue.

Limitations

As with any study there are limitations that must be accounted for when interpreting the research findings. First, the possibility of sampling error must be taken into consideration in reviewing study findings. Secondly, the number of respondents answering individual questions has varied quite a bit, depending on the topic (for example, Question G # 20-expenditures for equestrian purposes-was answered by 75 respondents). It is the

recommendation of the authors that while policy should not be based exclusively on the findings of this report, its results do provide important information on regional and statewide recreation participation, investment preferences, and expenditure levels.

IV Survey Sample Characteristics

Demographics

The survey instructions defined household members as “any or all adults and children who permanently lived in your residence in 2006.” This language is comparable to the 2000 US Census glossary definition, “A household includes all the people who occupy a housing unit as their usual place of residence.” Where possible, findings from this survey are compared to 2000 US Census household information. Table 3 shows the response to survey questions L, M, N, and O.

Table 3: Characteristics of the Surveyed Households

	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Mean age of up to two adults						
Adult 1	53.2	53.4	49.9	51.6	52.3	52.0
Adult 2	49.1	50.6	47.0	49.9	49.9	49.5
Mean years participation outdoor recreation						
Adult 1	37.0	37.2	33.7	36.5	37.3	36.3
Adult 2	31.5	32.9	30.6	33.4	34.4	32.6
Percent with no children at home	65.1%	60.5%	52.8%	56.2%	61.4%	58.1%
Mean number of children at home	1.9	2.0	2.0	2.0	1.8	2.0
Percent with English as primary language	94.5%	94.4%	92.7%	97.1%	97.4%	95.3%
Total household income before taxes						
\$0-\$20,000	7.6%	1.1%	5.1%	5.2%	14.6%	5.2%
\$20,001-\$40,000	16.3%	12.6%	12.8%	13.1%	23.0%	14.1%
\$40,001-\$60,000	24.7%	18.3%	16.3%	20.1%	21.5%	19.7%
\$60,001-\$100,000	27.4%	36.7%	38.5%	34.7%	26.6%	34.3%
\$100,001-\$150,000	14.1%	19.8%	16.7%	16.8%	10.2%	16.7%
Over \$150,000	9.9%	11.5%	10.5%	10.1%	4.0%	10.0%

¹State results are for weighted sample.

Ages were requested for up to two adult members of the household. Their reported ages ranged from 99 to 18 with a mean age for both adults of approximately 51. The mean number of years the adult members of the household reported participating in outdoor recreation was approximately 35. This does not necessarily mean that, on average, respondents began participating in outdoor recreation at age 17 (50-33=17), as this does not take into account those individuals who were active when younger, but quit outdoor activities later in life. While regional differences are quite small, the Central region has the youngest mean age for its household members, and the lowest average number of years of participation in outdoor recreation activities.

Over half of surveyed households, 58.1 percent, reported having no children living at home and among those that do, the mean number of children living at home is 2.0. In the 2000 US Census approximately 67 percent of all Ohio households did not include children under age 18.

Over 95 percent of surveyed households reported English as their primary language. This is slightly higher than the US Census rate of 91.4 percent for Ohio, and probably reflects the difficulty non-English speakers would have completing the survey. The Central region has the lowest proportion of households where English is the primary language, 92.7 percent, and the Southeast has the highest, 97.4 percent.

Among households that provided income data, (15 percent did not), 61.0 percent reported incomes of \$60,000 or more. The 2000 US Census reports that 30.6 percent of Ohio households had incomes of \$60,000 or more in 1999. Even accounting for inflation, the survey sample is not comparable in this regard. At the region level Southeast Ohio has the lowest proportion of households with incomes over \$60,000, 40.8 percent, and the Southwest has the highest, 68.0 percent, according to our study.

Patterns of Outdoor Recreation Participation

Table 4: Statewide Patterns of Outdoor Recreation

	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Mean % of Total Outdoor Recreation in Ohio and Other States						
Ohio Public Lands and Waters	51.2%	54.7%	55.6%	58.2%	50.1%	55.4%
Other States	22.4%	24.6%	18.6%	23.7%	21.7%	22.7%
Time Spent Participating in Outdoor Recreation Activities						
Rarely	13.7%	12.9%	13.3%	9.5%	15.8%	11.2%
Some weekends	46.8%	51.3%	49.7%	43.9%	48.8%	44.2%
Most weekends	29.8%	26.8%	27.6%	36.1%	29.5%	29.0%
Some weekdays	39.8%	41.1%	42.3%	41.8%	41.8%	38.7%
Most weekdays	10.0%	7.0%	9.1%	11.6%	7.0%	8.9%
Every day	6.4%	4.3%	5.6%	4.1%	8.1%	4.6%
Hours Spent Participating in Outdoor Recreation Activities	8.9	7.6	8.8	9.3	10.4	8.9

¹State results are for weighted sample.

As reported in Table 4, respondents were asked several questions (H, I, J, K) to illustrate the location and frequency of their participation in outdoor recreation. On average, respondents report that 55.4 percent of their household’s total outdoor recreation participation takes place on Ohio lands and waters owned or controlled by local, county, state, or federal governments or parks districts, and 22.7 percent of their total outdoor participation takes place in other states. Respondents were not asked to account for the percentage of their outdoor recreation that takes place on private lands and this may account for the slightly lower numbers of recreation on Ohio public lands and waters for the more rural Northwest and Southeast regions.

Respondents were also asked to select when their household typically participates in

outdoor recreation activities and how many hours per week they devote to outdoor recreation. There is little regional difference in when households typically participate in outdoor recreation and how many hours per week they participate. More than 43 percent of respondents from all regions participate in outdoor recreation on some weekends and approximately 40 percent of respondents report some weekdays. While less than 8 percent of respondents in each region reported daily participation in outdoor recreation. Households in Ohio devote an average of 8.9 hours per week to outdoor recreation. Hours devoted to outdoor recreation range from a high of 10.4 hours per week in the Southeast region to a low of 7.6 hours per week in the Southwest region.

V. Survey Findings for Ohio

Question A. Participation in Outdoor Recreation Activities

In Question A, respondents were asked to identify the number of times their household participated in 57 outdoor recreation activities on public and private lands and waters in Ohio during 2006, regardless of the length of the activity occasion. Table A in Appendix II presents the average (or mean) number of times that households participated in each outdoor recreation activity and the percentage of households reporting participation.¹ Survey respondents report participation in all 57 outdoor recreation activities. The activities respondents report participating in most often are hiking/walking/jogging on trails 16.7 times, birdwatching 14.2 times, and other wildlife viewing 10.6 times. Other activities that respondents participate in most frequently include visiting a playground in a park, swimming at a public or club pool, visits to nature preserves, golfing at a 9 or 18 hole course, and scenic drives on public lands. The activities respondents report participating in the least often, at 0.1 times, are off road motorcycling at Wayne National Forest or ODNR Forest motorized trail area, snowmobiling, and designated group camping.

Differences in participation can be seen when the percentage of households that report participation in each activity is measured instead of the average number of times respondents participate in each activity. Hiking/walking/jogging on trails remains the most popular activity with 57.0 percent of households reporting participation. Birdwatching is replaced by visiting a playground in a park as the second most popular activity with 52.9 percent of households and scenic driving on public lands becomes third with 52.0 percent of households. Other activities with a high percentage of household participation include picnicking and visiting nature preserves. Activities with the lowest levels of participation are off road motorcycling at Wayne National Forest or ODNR Forest motorized trail area with 0.8 percent of households reporting participation, snowmobiling with 2.1 percent, and ATV riding at Wayne National Forest or ODNR Forest APV area with 2.4 percent. Respondents were also provided the opportunity to report other outdoor recreation activities their household participated in during 2006 that were not included in the survey. These written responses were combined into related categories and Table B in Appendix II presents the number of times that each category was reported by respondents. Gardening was the response given most frequently.

¹ The number of times households reported participation in each category was summed and divided by the total number of survey respondents.

Participation in Outdoor Recreation Categories

To further illustrate participation in outdoor recreation, the 57 outdoor recreation activities from the survey are combined into 17 general categories of recreation activities. These categories correspond to question A on page one of the survey. The number of times each household participated in related activities was summed to create the household's total participation for each general category. Table 5 presents the average or mean number of times that households participated in each outdoor recreation category and the percentage of households reporting participation. The rankings of the most popular activities change when categories of activities are used instead of individual activities.

Table 5: Statewide Participation in Outdoor Recreation Categories

Activity (categories)	Mean	% of Households
Wildlife observation or photography in PUBLIC area	31.7	61.1%
Trail activities	29.8	68.2%
Field and court sports	19.6	45.7%
Other outdoor recreation activities	17.0	70.8%
Outdoor swimming and beach	10.9	55.1%
Golf	10.7	45.8%
Playground	8.0	52.9%
Bicycling for transportation	4.8	15.5%
Picnicking	4.3	59.7%
Fishing	3.4	26.4%
Boating	3.4	31.3%
Camping	2.9	34.6%
Winter sports	2.5	33.1%
Hunting	1.8	9.9%
Motorized trail activities on PRIVATE Lands	1.8	7.5%
Shooting sports	1.4	9.2%
Motorized trail activities on PUBLIC Lands	0.2	2.9%

Figure 1: Average Number of Times Respondents Participate in Outdoor Recreation

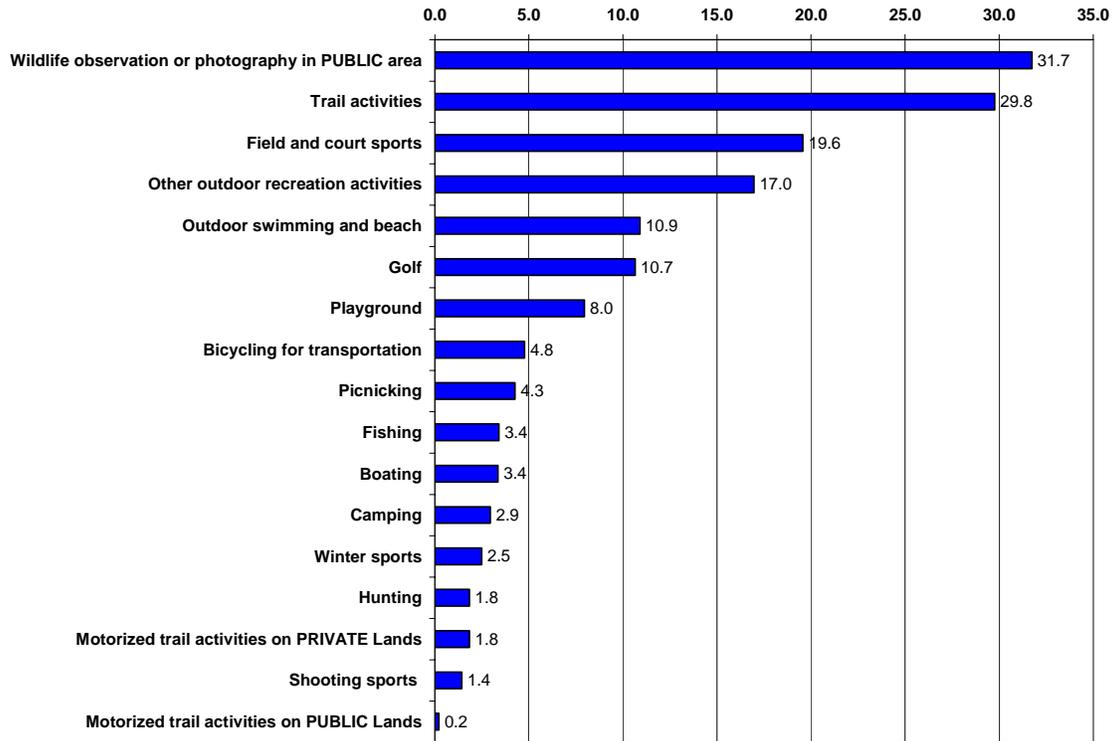


Figure 1 presents the mean number of times that households reported participation in each outdoor recreation category. Similar to the rankings for individual outdoor recreation activities the highest levels of participation for the categories are 31.7 times for wildlife observation or photography in public areas and 29.8 times for trail activities. When categories are considered, field and court sports, and ‘other outdoor recreation activities’ are now among the most popular activities.² The lowest averages are 0.2 times for the category of motorized trail activities on public lands and 1.4 times for shooting sports.

Considering the percentage of households participating in each activity category further alters the rankings of the most popular activities. The category for ‘other outdoor recreation activities’ is reported by the most households, 70.8 percent, whereas 68.2 percent of households participate in trail activities (activities reported most often in the ‘other outdoor recreation’ category include scenic drives on public lands, 52 percent and corn toss/hole, 18.9 percent). The lowest levels of household participation are 2.9 percent

² The category ‘Other Outdoor Recreation Activities’ includes scenic drive on public lands, visiting dog park, skateboard or BMX, rock climbing or outdoor climbing wall, orienteering or geo-caching, horseback riding at outdoor arena, gardening at community garden, kite flying or remote control, horseshoes, corn toss/hole, and an open ended question for other activities. Please refer to the survey questionnaire in Appendix I for the outdoor recreation activities included in each category.

for the category of motorized trail activities on public lands and 7.5 percent for participation in motorized trail activities on private lands

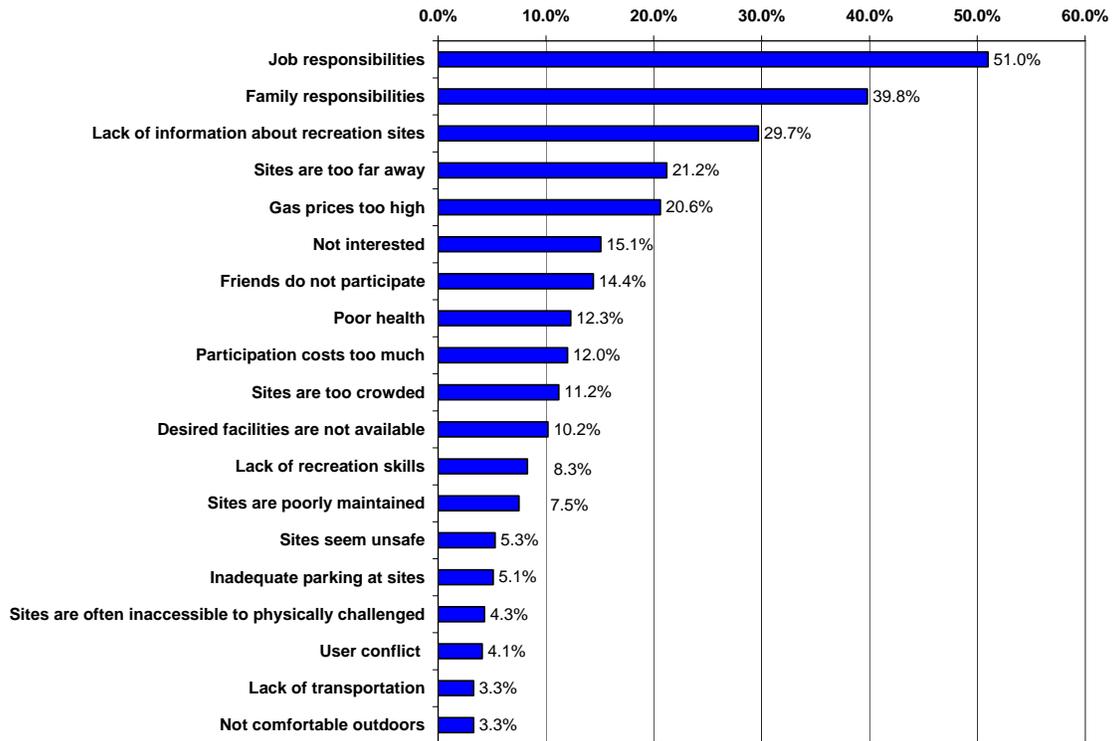
Question B. Barriers to Outdoor Recreation Participation

In Question B, respondents were asked to identify factors that limited their household’s participation in outdoor recreation during 2006. Table 6 and Figure 2 show the percentage of households that selected each barrier to participation in outdoor recreation. The two barriers to outdoor recreation selected most frequently are related to time constraints. The biggest barrier is job responsibilities with 51 percent of the households selecting this as a barrier to outdoor recreation. The second highest is family responsibilities for 39.8 percent of households. After barriers related to time constraints, 29.7 percent selected lack of information about recreation sites. Approximately 21 percent of households selected sites are too far away and gas prices are too high.

Table 6: Statewide Barriers to Outdoor Recreation Participation

Reason	% of Households
Job responsibilities	51.0%
Family responsibilities	39.8%
Lack of information about recreation sites	29.7%
Sites are too far away	21.2%
Gas prices too high	20.6%
Not interested	15.1%
Friends do not participate	14.4%
Poor health	12.3%
Participation costs too much	12.0%
Sites are too crowded	11.2%
Desired facilities are not available	10.2%
Lack of recreation skills	8.3%
Sites are poorly maintained	7.5%
Sites seem unsafe	5.3%
Inadequate parking at sites	5.1%
Sites are often inaccessible to physically challenged	4.3%
User conflict	4.1%
Lack of transportation	3.3%
Not comfortable outdoors	3.3%

Figure 2: Statewide Barriers to Outdoor Recreation Participation



Other than lack of information about recreation sites and distance to recreation sites, problems related to the actual recreation sites do not appear to be the most important factors limiting households' participation. The most frequently chosen barrier related to recreation sites are 12.0 percent selecting participation costs too much, 11.2 percent selecting sites are too crowded and 10.2 percent selecting desired facilities are not available. High participation costs may not be related to the cost of recreation sites or permits but may be more related to equipment and supply costs.

Question C. Satisfaction with Outdoor Recreation Experiences

In Question C, respondents were asked to indicate their level of satisfaction with the 17 outdoor recreation activity categories. Table 7 presents the percentage of responses, the average response, and the percent that did not participate for each activity category. For 16 of the 17 categories over 50 percent of participants report being satisfied with their experience. The categories with the highest percentage of participants reporting that they were dissatisfied with their experience are 21.6 percent for bicycling for transportation and 16.2 percent for outdoor swimming and beach. Outdoor swimming and beach is one of the more popular activities but it has the second highest level of dissatisfaction. Figure

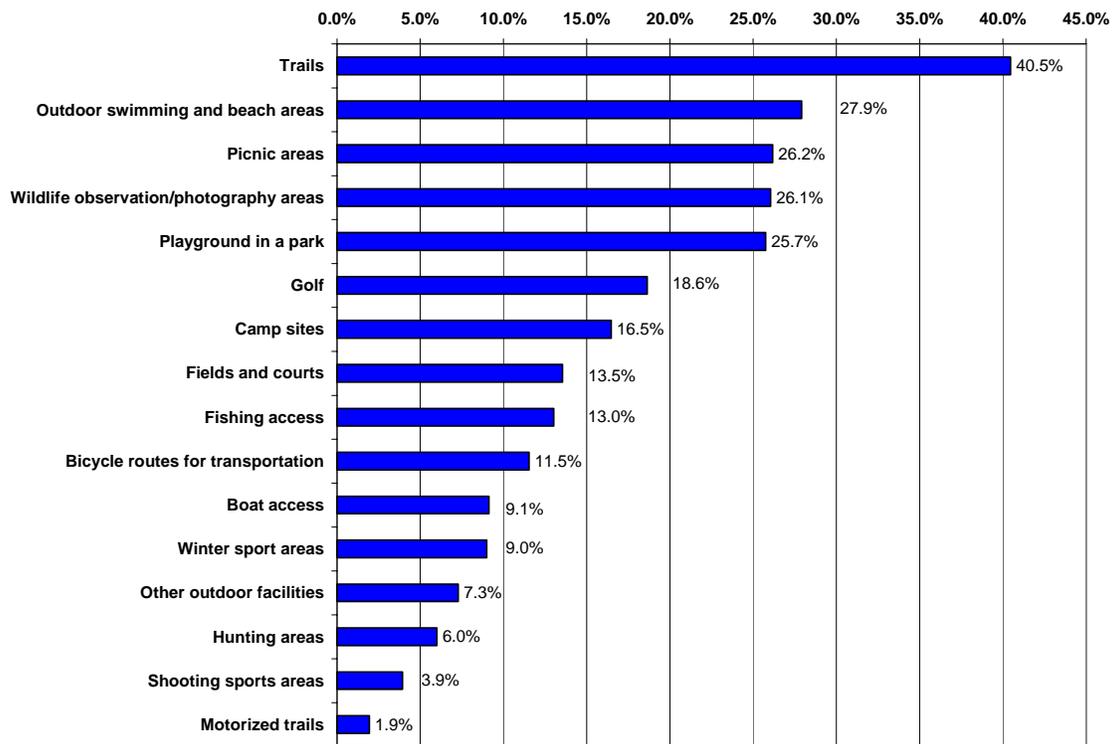
Question D. Important Outdoor Recreation Facilities

Respondents were asked to select the three recreation facilities most important to their household from 16 recreation facilities. Table 8 and Figure 4 present the percentage of households selecting each of the recreation facilities. The facility selected most often as one of the three most important is trails at 40.5 percent. More than a quarter of respondents also selected outdoor swimming and beach areas, picnic areas, wildlife observation/photography areas, and playgrounds in parks. The facilities selected the least are motorized trails with only 1.9 percent of households and shooting sports areas with 3.9 percent of households. These findings are generally consistent with the level of participation in these outdoor recreation activities.

Table 8: Statewide Important Outdoor Recreation Facilities

Types of recreation areas/facilities	% of Households
Trails	40.5%
Outdoor swimming and beach areas	27.9%
Picnic areas	26.2%
Wildlife observation/photography areas	26.1%
Playground in a park	25.7%
Golf	18.6%
Camp sites	16.5%
Fields and courts	13.5%
Fishing access	13.0%
Bicycle routes for transportation	11.5%
Boat access	9.1%
Winter sport areas	9.0%
Other outdoor facilities	7.3%
Hunting areas	6.0%
Shooting sports areas	3.9%
Motorized trails	1.9%

Figure 4: Statewide Important Outdoor Recreation Facilities



Question E. Time and Distance to Preferred Recreation Sites

From a list of 15 activities, respondents were asked to estimate the one-way time and distance to the three most preferred outdoor recreation sites in Ohio that their household visited in 2006 and to list the county where the site is located. Table 9 presents the mean time in minutes and distance in miles households travel to preferred recreation sites. Figure 5 shows the mean time in minutes and Figure 6 shows the mean distance in miles households travel to preferred recreation sites. Most of the preferred sites are near the respondent’s home. For eleven of the fifteen outdoor recreation activities, respondents travel less than 30 miles and less than 40 minutes to a favorite site. Respondents travel farthest for camping sites. The average distance to a favorite camping site is 55.9 miles and the average time is 71.1 minutes. The second greatest distance traveled is for motorized trail sites. Motorized trail users travel 49.9 miles and 59.6 minutes to a preferred site. Hunters travel 44.5 miles and 54.1 minutes. Other favorite activity sites are close to home and require little travel. On average, respondents travel only 5.6 miles and 11 minutes to a favorite playground at a park and 6.5 miles and 12.4 minutes to a favorite field and court sites. Other favorite activities that respondents participated in close to home are picnicking and golf.

Table 9: Statewide Minutes and Miles Traveled to Three Most Preferred Recreation Sites

Favorite Recreation Site	Minutes to site (mean)	Miles to site (mean)
Camping	71.1	55.9
Motorized trail	59.6	49.9
Hunting	54.1	44.5
Boating sites	49.3	38.1
Winter sports site	38.8	28.1
Other outdoor recreation site	35.3	25.8
Fishing sites	33.6	23.1
Shooting sports area	32.5	23.4
Outdoor swimming and beach area	26.8	18.9
Wildlife observation/photography site	24.6	15.5
Trail	23.2	15.4
Golf	21.0	13.3
Picnicking	18.4	12.7
Field and court sites	12.4	6.5
Playground in park	11.0	5.6

Figure 5: Mean Statewide Minutes Traveled to Three Most Preferred Recreation Sites

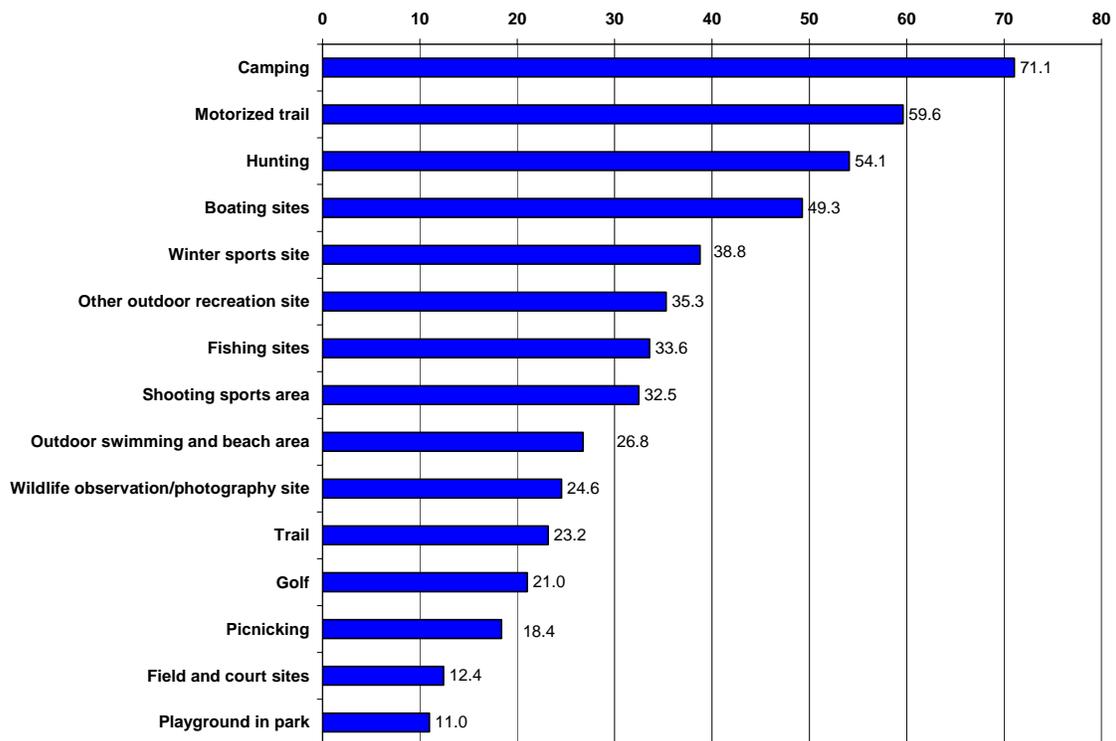
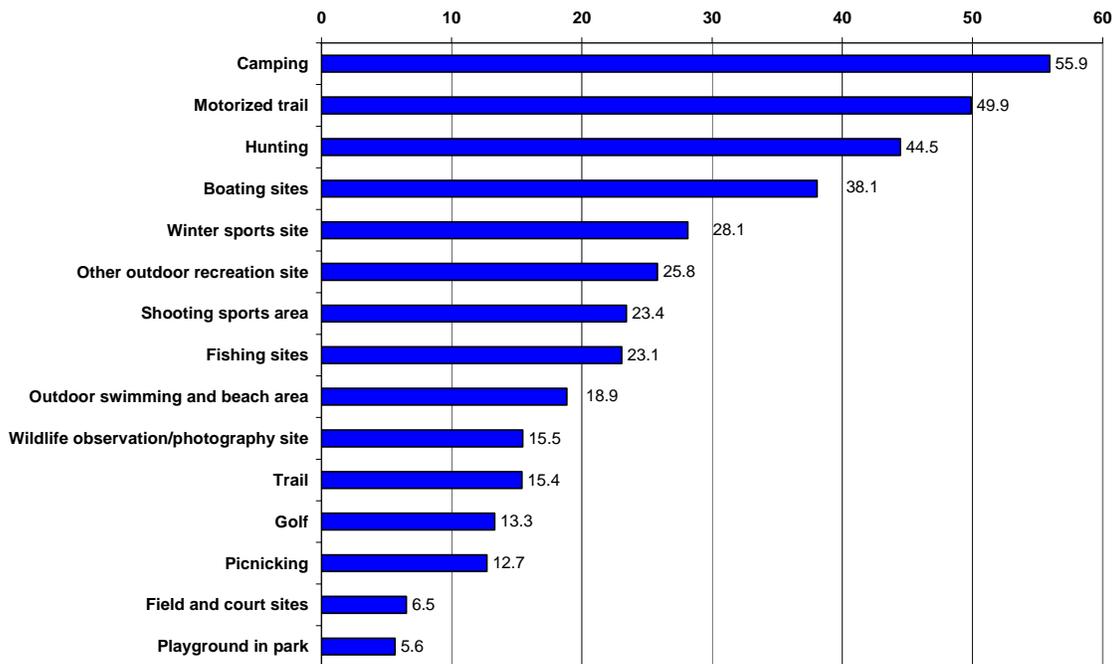


Figure 6: Mean Statewide Miles Traveled to Three Most Preferred Recreation Sites



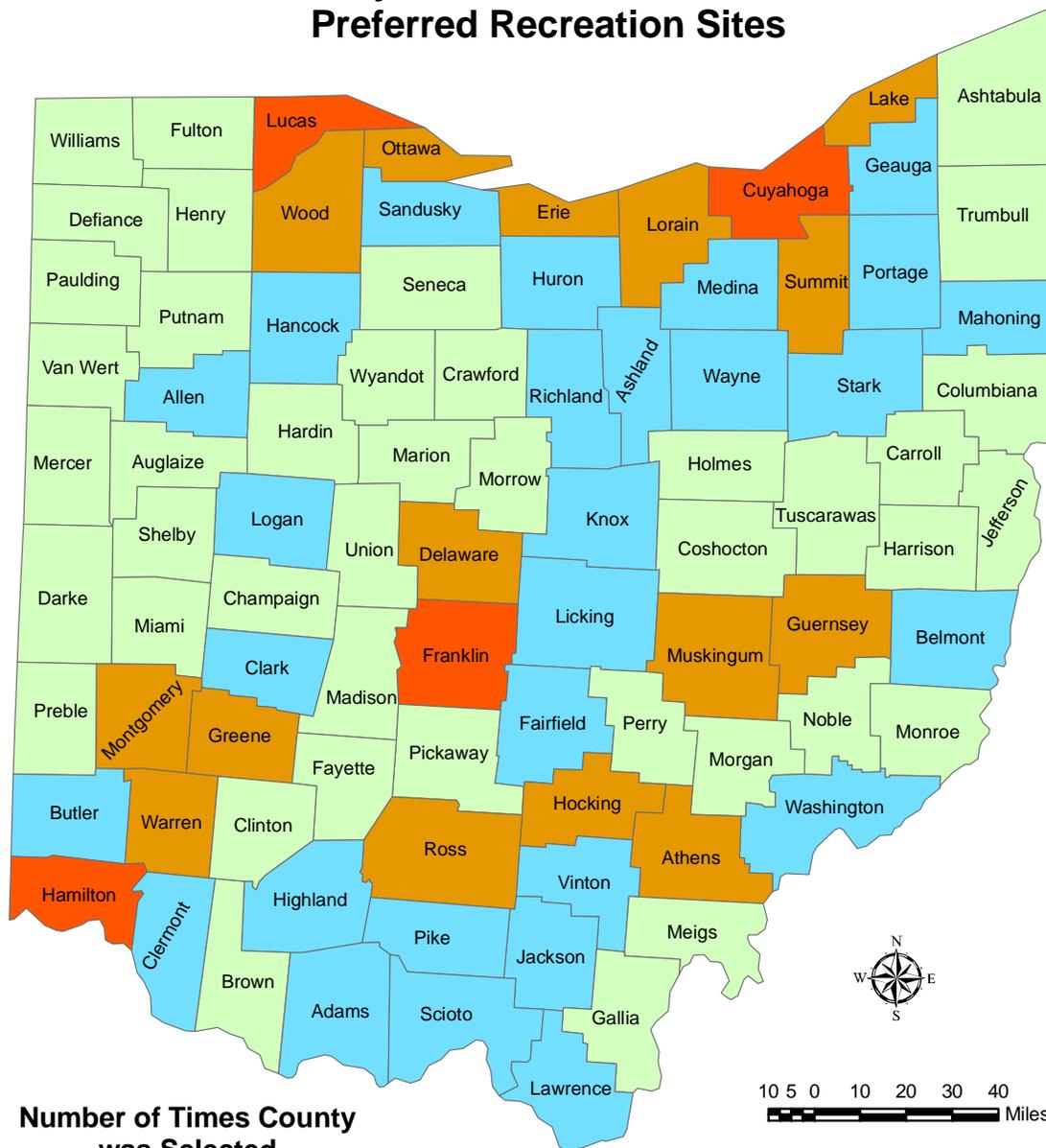
County Location of Preferred Recreation Sites

Respondents were also asked to list the county where their three preferred outdoor recreation sites are located. Table C in Appendix II presents the ranking and the number of times each county was selected as the location of a preferred site for all 15 outdoor recreation activities. Respondents reported visiting favorite recreation sites in 84 of the 88 counties in Ohio. Franklin County is listed most frequently as the location of favorite recreation sites for wildlife observation/photography, fishing, picnicking, visiting a playground in a park, golfing, trails, field and court sports, swimming, and other outdoor recreation. Hocking County is the top location for motorized trails and camping sites. Erie County is the favorite location for boating. Cuyahoga County is listed most often for winter sport sites. Muskingum and Guernsey Counties tied for the location of favorite hunting sites. Delaware, Lucas, Warren, and Washington Counties are listed most often for shooting sport sites.

Map 1 depicts this information but in four categories determined by the total number of times each county was selected as a preferred recreation site. The counties selected most frequently as favorite recreation sites for all activities combined are Franklin, Cuyahoga, Hamilton, and Lucas counties.

Map 1

County Location of Three Most Preferred Recreation Sites



Sources: U.S. Census TIGER Files, SCORP Survey
 Map Design: D. Simon
 Voivovich Center for Leadership and Public Affairs
 May, 2007

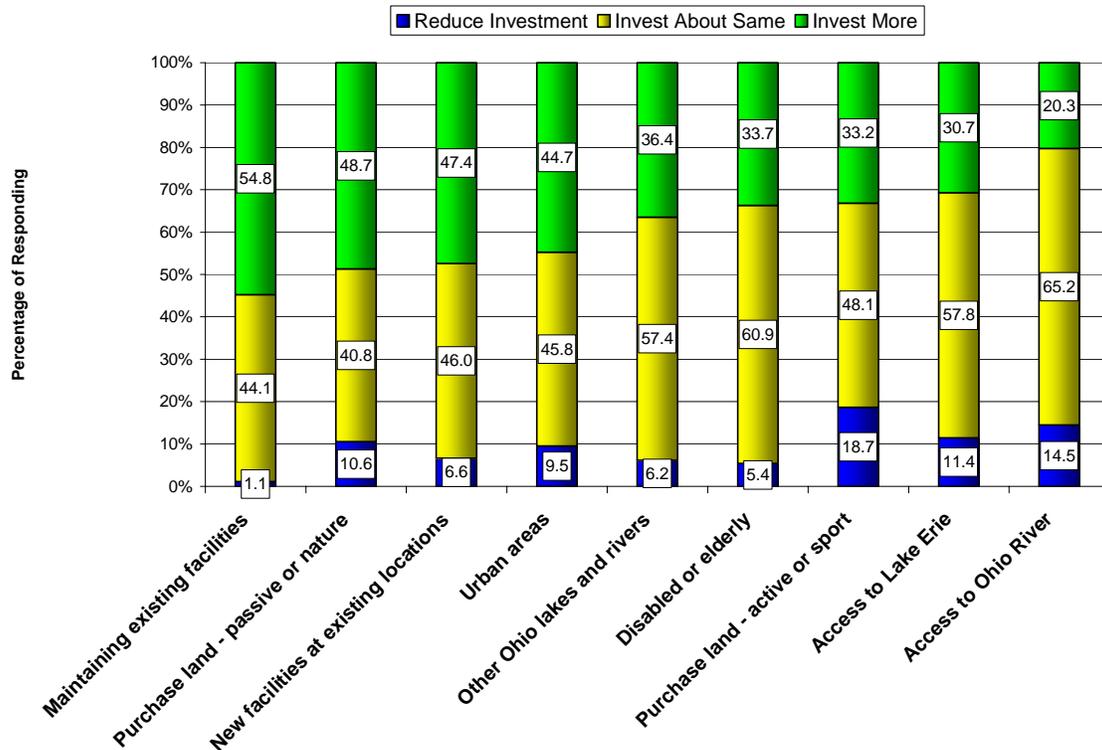


Question F. Investment Priorities for Taxpayer Money in Outdoor Recreation

Table 10: Statewide Preferences for Public Investment in Outdoor Recreation

Ways to Invest Taxpayer Money	Reduce Investment	Invest About Same	Invest More
Focus on maintenance of existing state facilities	1.1%	44.1%	54.8%
Purchase land for passive, quiet nature-based recreation opportunities	10.6%	40.8%	48.7%
Develop additional facilities at existing state parks, forest or nature preserves	6.6%	46.0%	47.4%
Improve outdoor recreation opportunities in urban areas	9.5%	45.8%	44.7%
Improve access to other Ohio lakes and rivers	6.2%	57.4%	36.4%
Improve access to outdoor recreation areas for disabled or elderly	5.4%	60.9%	33.7%
Purchase land for active or sport-based recreation opportunities	18.7%	48.1%	33.2%
Improve public access to Lake Erie	11.4%	57.8%	30.7%
Improve public access to the Ohio River	14.5%	65.2%	20.3%
¹ State results are for weighted sample.			

Figure 7: Statewide Preferences for Public Investment in Outdoor Recreation



Respondents were asked to indicate their preferences for ways in which the State of Ohio should spend taxpayer money to improve public outdoor recreation opportunities. Respondents were provided nine recreation investment options and asked to choose if they would reduce investment, invest about the same, or invest more for each option, assuming these investments must be made from existing limited funds. Table 10 and Figure 7 present the percentage of households selecting each level of investment. For all nine options most respondents selected invest about the same or invest more. On average respondents prefer to invest more in the maintenance of existing facilities at state parks, forests, and nature preserves; the purchase of land for passive, quiet nature-based recreation opportunities; and to develop additional facilities at existing state parks, forests, and nature preserves. The investment option with the highest level of support for increased investment is the maintenance of existing facilities at state parks, forests, and nature preserves with 54.8 percent of respondents. In regards to reducing investment, the highest response is 18.7 percent for the purchase of land for active or sport-based recreation opportunities.

Question G. Expenditures for Outdoor Recreation Activities

Table 11: Statewide Expenditures for Outdoor Recreation

Goods or Services Purchased	Expenditure Mean	% of Households
Motorized recreation vehicles and equipment	\$1,866	5.1%
Equine expenses	\$1,112	4.7%
Boating equipment (boat, sails, etc.)	\$902	10.6%
User fees (golf, camping, docking, etc)	\$522	31.5%
Hunting and shooting equipment	\$485	10.9%
Observation equipment (cameras, etc.)	\$394	20.1%
Camping equipment	\$379	18.2%
Trail equipment (bikes, backpacks, etc.)	\$350	19.4%
Lodging (cabin, campsite, etc.)	\$347	27.7%
Golf equipment	\$343	19.2%
Meals	\$319	47.6%
Winter sports equipment	\$287	12.3%
Guide, charter and outfitter fees	\$275	2.8%
Transportation	\$241	52.8%
Fitness equipment	\$235	18.1%
Fishing equipment	\$214	18.8%
Field sport equipment (bats, balls, etc.)	\$189	19.6%
Swimming/beach equipment (suits, towels, etc.)	\$164	33.4%
Court sport equipment (rackets, balls, etc.)	\$101	13.2%
Information (charts, field guides, etc.)	\$61	9.7%
Mean Total Recreation Expenditures for HHs	\$1,775	76.8%

Respondents were asked to estimate the amount of money spent by their household

during 2006 to participate in outdoor recreation activities. The survey allowed respondents to report up to \$9999 for each category. Table 11 shows the mean dollar amount spent on outdoor recreation and the percentage of respondents that reported expenditures for each category.³ Households spent on average a total of \$1,775 on goods and services for outdoor recreation activities, while the median amount spent was \$822. The difference between these two numbers is explained by the few respondents who reported spending very large amounts on higher cost outdoor activities including boating, equestrian, and motorized recreation vehicles. In all, 76.8 percent of survey respondents reported expenditures for outdoor recreation in 2006. Although most households reported expenditures on outdoor recreation, when the individual expense categories are considered the percentages are much smaller. Less than a quarter of respondents reported expenditures for 15 of the 20 categories. The highest mean expenditure is \$1,866 for motorized recreation vehicles and equipment.⁴ Other high expenditures are \$1,112 for equine expenses and \$902 for boating equipment. Although these three categories have the highest mean expenditures, 10 percent or less of respondents reported expenditures for these activities. The smallest mean expenditures are \$61 for information (charts and field guides) and \$101 for court sport equipment.

³ For each category, dollar amounts were summed and divided by the number of respondents that reported expenditures in that category.

⁴ Regarding the results for expenditures for motorized recreation vehicles and equipment, respondents may have included expenditures on RVs or travel trailers in this category in addition to ATVs or other motorized recreation vehicles.

VI. Survey Findings for ODNR Regions of Ohio

Question A. Participation in Outdoor Recreation Activities

Respondents were asked to identify the number of times their household participated in 57 outdoor recreation activities on public and private lands and waters in Ohio during 2006. Table A in Appendix III presents the average number of times that households participated in each outdoor recreation activity and the percentage of households reporting participation for the five ODNR regions. Survey respondents in each region report participation in all 57 outdoor recreation activities. There is little variability across regions in the activities respondents report participating in the most number of times. Respondents reported participating most often in hiking/walking/jogging on trails, birdwatching, and other wildlife viewing in all regions except the Southwest region. In the Southwest region, the top three activities are birdwatching, hiking/walking/jogging on trails, and golfing.

The most popular activities are different when the percentage of households that report participation is considered instead of the average number of times respondents participate in each outdoor recreation activity. Although hiking/walking/jogging on trails remains one of the most popular activities in each region, the other two most popular activities are visiting playgrounds in a park and scenic driving except in the Southwest region. In the Southwest region, the most popular activities are hiking/walking/jogging on trails, visiting playgrounds in a park, and visiting nature preserves.

Participation in Categories of Outdoor Recreation

Table 12: Regional Participation in Outdoor Recreation Categories

	Northwest		Southwest		Central		Northeast		Southeast	
	% of HHs	Mean	% of HHs	Mean	% of HHs	Mean	% of HHs	Mean	% of HHs	Mean
Wildlife observation or photography	60.1%	22.5	62.2%	30.2	57.6%	28.0	63.7%	31.7	54.4%	63.0
Boating	32.8%	4.2	26.0%	2.0	29.9%	2.7	33.8%	4.1	36.4%	4.2
Fishing	20.7%	3.0	23.5%	2.6	27.0%	2.9	28.7%	3.6	32.6%	7.0
Camping	31.6%	3.0	31.6%	2.3	34.2%	1.9	36.9%	3.5	38.9%	4.7
Hunting	8.7%	1.3	7.1%	1.2	11.5%	3.0	9.2%	1.3	20.9%	5.0
Picnicking	58.8%	3.7	59.8%	3.5	58.6%	3.6	60.8%	5.1	57.9%	5.0
Playground	49.8%	7.0	53.3%	6.9	55.3%	9.5	53.2%	8.7	49.7%	5.1
Winter sports	28.8%	1.5	26.3%	1.6	30.3%	2.0	42.4%	3.7	21.8%	2.0
Bicycling for transportation	15.8%	2.8	11.5%	3.4	14.1%	8.0	19.7%	5.0	9.5%	3.3
Golf	42.7%	11.8	46.4%	13.9	42.8%	9.4	49.7%	9.3	36.4%	8.4
Trail activities	60.1%	21.3	66.9%	25.5	69.4%	38.4	72.9%	32.5	58.9%	23.2
Motorized trail activities on PUBLIC land	1.2%	0.1	1.9%	0.1	3.3%	0.4	3.2%	0.2	7.0%	0.8
Motorized trail activities on PRIVATE land	6.5%	2.1	4.3%	0.8	8.9%	2.4	7.0%	1.0	19.3%	8.1
Field and court sports	42.7%	18.2	45.2%	16.3	43.1%	16.6	49.4%	24.4	39.2%	14.4
Outdoor swimming and beach	52.9%	9.9	53.9%	8.7	54.6%	12.8	57.6%	11.7	50.6%	10.8
Shooting sports	8.4%	0.7	9.3%	2.5	10.2%	1.1	8.0%	0.9	15.2%	3.0
Other outdoor recreation activities	70.9%	16.1	73.1%	16.6	69.4%	16.2	69.7%	16.9	72.2%	22.2

To further illustrate participation in outdoor recreation, the 57 outdoor recreation activities from the survey are combined into 17 general categories of recreation activities. The number of times each household participated in related activities was summed to create the household's total participation for each general category. Table 12 presents the mean or average number of times that households participated in each outdoor recreation category and the percentage of households reporting participation for each of the ODNR regions. Although the mean number of times households participated in the top activities varies across regions, the top two categories are the same. Trail activities and wildlife observation/photography are the categories with the highest mean in all five regions. In the Southwest and Southeast regions, the category for other outdoor recreation has the third highest mean number of times.⁵ The field and court sports category is the third most popular in the Northwest, Central, and Northeast regions.

When considering the percentage of households participating in each activity category,

⁵ The category 'Other Outdoor Recreation Activities' includes scenic drive on public lands, visiting dog park, skateboard or BMX, rock climbing or outdoor climbing wall, orienteering or geo-caching, horseback riding at outdoor arena, gardening at community garden, kite flying or remote control, horseshoes, corn toss/hoop, and an open ended question for other activities. Please refer to the survey questionnaire in Appendix I for the outdoor recreation activities included in other categories.

the top four categories are the same across all regions. The four most popular categories are other outdoor recreation, picnicking, trail activities, and wildlife observation or photography. For each region, motorized trail activities on public lands has the lowest percentage of households reporting participation.

Question B. Barriers to Outdoor Recreation

Table 13: Regional Barriers to Outdoor Recreation Participation

Reason	% of Households					
	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Job responsibilities	49.5%	48.6%	49.0%	54.4%	48.4%	51.0%
Family responsibilities	38.6%	39.3%	38.4%	41.4%	38.2%	39.8%
Lack of information about recreation sites	27.8%	28.1%	32.2%	31.2%	23.4%	29.7%
Sites are too far away	18.8%	20.1%	20.7%	22.9%	20.8%	21.2%
Gas prices too high	23.5%	16.4%	17.7%	21.3%	32.2%	20.6%
Not interested	18.2%	16.7%	15.4%	13.3%	12.6%	15.1%
Friends do not participate	13.3%	15.7%	15.4%	13.6%	12.6%	14.4%
Poor health	14.2%	11.7%	8.6%	13.6%	12.9%	12.3%
Participation costs too much	13.0%	11.4%	9.2%	12.4%	16.7%	12.0%
Sites are too crowded	9.9%	12.0%	12.5%	10.5%	10.7%	11.2%
Desired facilities are not available	12.0%	7.1%	10.5%	11.4%	9.2%	10.2%
Lack of recreation skills	9.3%	9.0%	8.2%	8.0%	6.3%	8.3%
Sites are poorly maintained	7.4%	6.2%	5.3%	9.2%	7.6%	7.5%
Sites seem unsafe	5.6%	3.7%	4.3%	7.0%	2.8%	5.3%
Inadequate parking at sites	5.9%	3.1%	4.6%	6.7%	3.2%	5.1%
Sites are often inaccessible to physically challenged	5.6%	3.4%	3.3%	5.1%	3.8%	4.3%
User conflict	5.6%	3.4%	3.9%	4.5%	2.8%	4.1%
Lack of transportation	4.6%	2.5%	3.3%	3.2%	3.8%	3.3%
Not comfortable outdoors	5.3%	1.5%	4.3%	3.5%	2.5%	3.3%

¹State results are for weighted sample.

Respondents were asked to identify factors that limited their household’s participation in outdoor recreation during 2006. Table 13 shows the percentage of households that selected each barrier to participation in outdoor recreation for each of the ODNR regions. The two barriers to outdoor participation selected most frequently are related to time constraints. Job responsibilities and family responsibilities are the biggest barriers for all regions. In all regions, except the Southeast region, the third biggest barrier is lack of information about recreation sites. In the Southeast region, a financial issue, gas prices are too high, is a more important barrier.

Question C. Satisfaction with Outdoor Recreation Experiences

Table 14: Mean Regional Satisfaction with Outdoor Recreation Experience

	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Picnicking	2.85	2.84	2.79	2.91	2.80	2.86
Golf	2.78	2.84	2.85	2.85	2.72	2.83
Wildlife observation and photography	2.83	2.82	2.79	2.84	2.79	2.82
Trail activities	2.72	2.86	2.76	2.83	2.76	2.81
Playground activities in a park	2.79	2.76	2.83	2.78	2.71	2.78
Other outdoor recreational activities	2.75	2.78	2.76	2.68	2.71	2.73
Camping	2.62	2.66	2.75	2.76	2.66	2.71
Field and court sports	2.70	2.66	2.68	2.72	2.64	2.69
Boating	2.69	2.67	2.64	2.71	2.67	2.68
Fishing	2.67	2.74	2.62	2.69	2.63	2.68
Hunting	2.41	2.44	2.70	2.56	2.67	2.56
Shooting sports	2.45	2.52	2.63	2.53	2.66	2.55
Motorized trail riding on private lands	2.46	2.36	2.80	2.48	2.80	2.55
Outdoor swimming and beach	2.58	2.61	2.54	2.37	2.48	2.49
Winter sports	2.41	2.38	2.43	2.48	2.63	2.45
Motorized trail riding on public lands	2.31	2.37	2.47	2.36	2.48	2.38
Bicycling for transportation purposes	2.44	2.33	2.21	2.25	2.32	2.29
Total	2.73	2.77	2.75	2.73	2.71	2.74

¹State results are for weighted sample.

Respondents were asked to indicate their level of satisfaction with the 17 outdoor recreation activity categories on a scale of one to three, with one as dissatisfied and three as satisfied. Table 14 presents the mean level of satisfaction for each of the categories and an average level of satisfaction with all outdoor recreation experiences for the five ODNR regions. ⁶ In all regions, respondents are generally satisfied with their recreation experiences. There appears to be little regional difference in levels of satisfaction with outdoor recreation experiences. Bicycling for transportation has the lowest mean level of satisfaction in every region except the Northwest where it is the fourth lowest. One notable difference is that motorized trail riding on private lands has one of the highest mean levels of satisfaction in the Southeast and Central regions while it has one of the lowest in the other regions.

⁶ To create the total mean level of satisfaction with all outdoor recreation experiences, the level of satisfaction for each category was summed and divided by the total number of valid responses for each respondent.

Question D. Important Outdoor Recreation Facilities

Table 15: Regional Important Outdoor Recreation Facilities

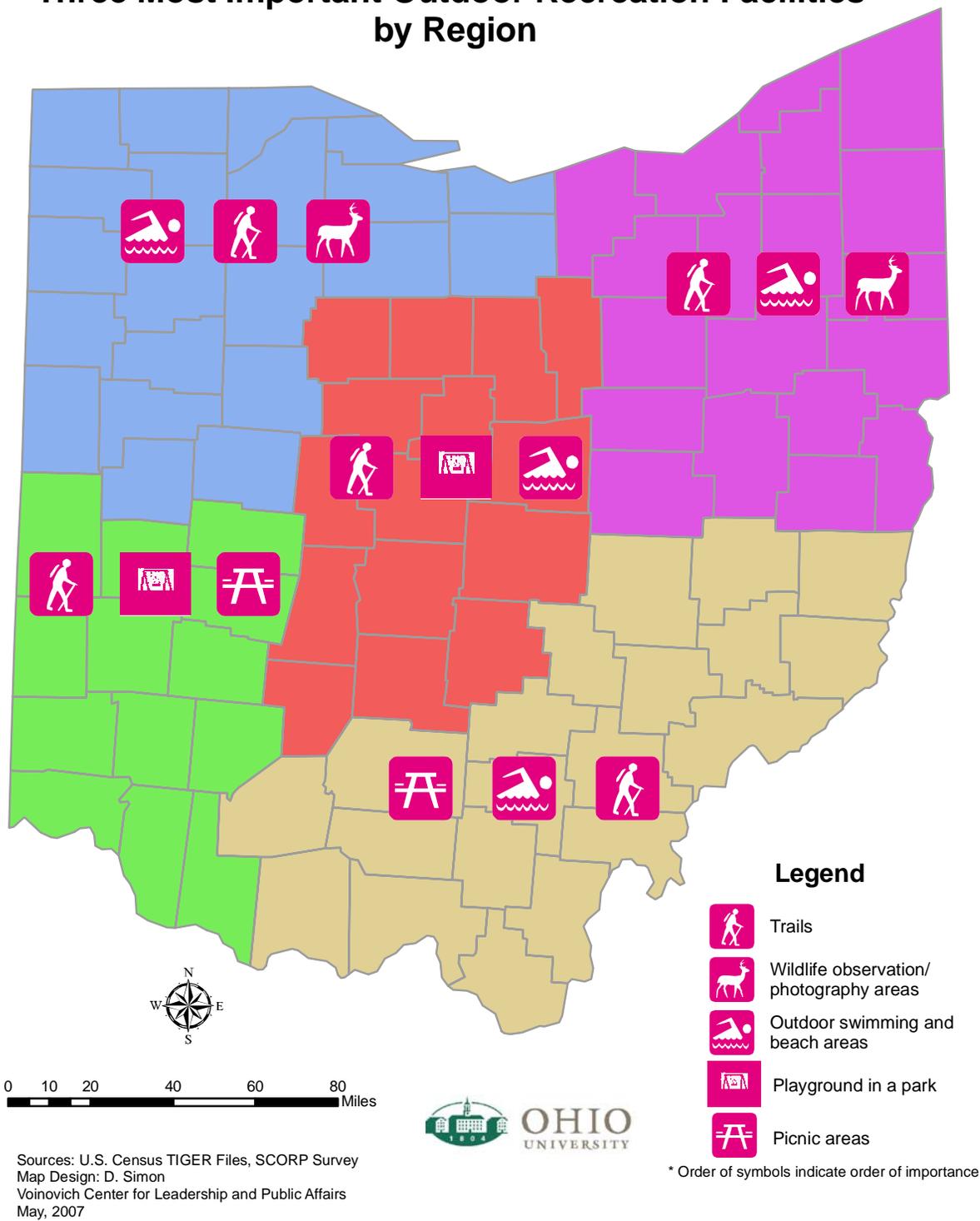
Types of recreation areas/facilities	% of Households					Ohio ¹
	Northwest	Southwest	Central	Northeast	Southeast	
Trails	31.3%	42.7%	40.1%	45.2%	25.3%	40.5%
Outdoor swimming and beach areas	32.2%	19.8%	27.3%	32.2%	25.6%	27.9%
Picnic areas	24.5%	28.2%	26.6%	25.2%	26.9%	26.2%
Wildlife observation/photography areas	28.8%	24.1%	26.3%	26.4%	24.7%	26.1%
Playground in a park	24.8%	29.7%	30.3%	21.7%	25.0%	25.7%
Golf	18.9%	21.1%	17.1%	18.5%	14.9%	18.6%
Camp sites	18.9%	18.0%	17.1%	13.4%	22.2%	16.5%
Fields and courts	10.2%	14.6%	16.4%	13.1%	11.7%	13.5%
Fishing access	13.9%	13.0%	12.8%	11.1%	21.8%	13.0%
Bicycle routes for transportation	8.7%	12.1%	12.8%	12.1%	8.9%	11.5%
Boat access	9.6%	9.3%	8.6%	9.6%	7.0%	9.1%
Winter sport areas	6.5%	5.9%	7.6%	13.4%	4.1%	9.0%
Other outdoor facilities	7.1%	7.1%	6.9%	7.0%	10.4%	7.3%
Hunting areas	6.5%	5.0%	6.9%	4.8%	12.7%	6.0%
Shooting sports areas	3.7%	4.0%	6.6%	2.9%	3.2%	3.9%
Motorized trails	2.8%	0.6%	3.0%	1.6%	4.1%	1.9%

¹State results are for weighted sample.

Respondents were asked to select the three recreation facilities most important to their household. Table 15 presents the percentage of households selecting each of the 16 recreation facilities for each ODNR region. The three most important facilities are different for each region but are similar to the activities with the highest levels of reported participation. Map 2 shows the three most important outdoor recreation facilities for each region. The three facilities selected least often are similar for the regions. The Northeast, Northwest, Central, and Southwest regions selected motorized trails, shooting sport, and hunting sites least often as one of the three most important facilities. Respondents in the Southeast region selected shooting sports, motorized trails, and winter sport sites less often than other facilities.

Map 2

Three Most Important Outdoor Recreation Facilities by Region



Question E. Time and Distance to Favorite Recreation Sites

Table 16: Regional Minutes Traveled to Three Most Preferred Recreation Sites

Activity	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Camping	68.3	76.3	57.1	82.7	44.1	71.1
Motorized trail	145.0	12.2	54.5	98.7	22.8	59.6
Hunting	43.4	92.1	59.4	48.7	26.6	54.1
Boating sites	28.2	77.6	50.9	45.5	36.3	49.3
Winter sports site	25.1	48.7	46.4	34.5	80.2	38.8
Other outdoor recreation site	39.9	29.1	34.3	37.6	38.1	35.3
Fishing sites	30.7	48.6	35.5	26.0	33.0	33.6
Shooting sports area	21.1	35.0	27.0	37.1	43.0	32.5
Outdoor swimming and beach area	34.5	29.7	19.8	25.9	25.9	26.8
Wildlife observation and/or wildlife photography	25.0	24.3	33.2	21.1	21.3	24.6
Trail	25.8	21.5	30.5	19.8	27.5	23.2
Golf	22.2	24.0	17.2	19.6	24.1	21.0
Picnicking	19.6	17.4	18.5	17.3	24.4	18.4
Field and court sites	16.6	12.2	10.1	12.1	13.8	12.4
Playground in park	11.3	12.1	10.6	9.8	14.2	11.0

¹State results are for weighted sample.

Table 17: Regional Miles Traveled to Most Preferred Recreation Sites

Activity	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Camping	50.0	62.7	46.5	62.5	36.7	55.9
Motorized trail	122.0	13.2	42.8	68.4	21.5	49.9
Hunting	37.5	75.7	43.3	49.0	17.2	44.5
Boating sites	22.4	65.9	38.5	34.5	26.0	38.1
Winter sports site	19.1	36.0	39.5	23.9	52.8	28.1
Other outdoor recreation site	27.9	20.7	27.6	26.7	28.6	25.8
Shooting sports area	25.0	19.8	20.7	24.2	37.0	23.4
Fishing sites	27.6	25.6	24.4	19.9	21.8	23.1
Outdoor swimming and beach area	27.4	22.3	12.0	17.5	18.0	18.9
Wildlife observation and/or wildlife photography	17.1	13.4	20.5	13.5	16.5	15.5
Trail	14.6	13.4	23.7	12.4	19.6	15.4
Golf	13.1	14.9	11.4	12.3	18.0	13.3
Picnicking	14.6	12.1	11.0	12.4	17.1	12.7
Field and court sites	5.4	7.0	6.5	6.0	9.5	6.5
Playground in park	6.5	6.6	6.0	4.2	8.5	5.6

¹State results are for weighted sample.

Respondents were asked to estimate the one-way time and distance to their three most preferred outdoor recreation sites in Ohio and to list the county where the site is located from a list of 15 activities. Table 16 shows the mean time in minutes households travel to their favorite recreation sites. Table 17 shows the mean distance in miles households travel to their favorite recreation sites. Overall, the greatest average distance traveled to a preferred recreation sites is 145 minutes and 122 miles to motorized trails from the Northwest region. Respondents from the Central, Northeast, and Northwest regions travel farthest to reach motorized trails, camping, and hunting sites. Respondents from the Southwest travel farthest to reach hunting, boating, and camping sites. In the Southeast, respondents travel farthest to winter sports, camping sites, and shooting sports. For most of the outdoor recreation activities, respondents from all regions travel less than

an hour to their preferred site. In the Central region, the average travel time for all 15 outdoor recreation activities is less than an hour.

County Location of Favorite Recreation Sites

Respondents were also asked to list the county where their favorite outdoor recreation sites are located. Table B in Appendix III presents the number of times each county was selected as the location of a preferred site for the 15 outdoor recreation activities. For four of the ODNR regions the top five counties listed most frequently as the location of favorite recreation sites are located in the respondent's region. The only exception is the Central region's inclusion of Hocking County, a neighboring county from the Southeast Region.

Question F. Investment Priorities for Taxpayer Money in Outdoor Recreation

Respondents were asked to indicate their preferences for ways in which the State of Ohio should spend taxpayer money to improve public outdoor recreation opportunities. Respondents were provided nine recreation investment options and asked to choose if they would reduce investment, invest about the same, or invest more for each option, assuming these investments must be made from existing limited funds. Map 3 shows the level of investment preference selected the most often (mode) for each of the ODNR regions. For all nine options most respondents from all regions selected invest about the same or invest more. Invest more was selected the most in all regions for purchase land for passive, quiet nature-based recreation opportunities and for maintenance of existing state facilities at state parks, forests, and nature preserves. Regional differences exist in improving public access to Lake Erie, developing additional facilities at existing state locations, and improving outdoor recreation opportunities in urban areas.

Map 3

Access to Lake Erie



Access to Ohio River



Other Ohio Lakes and Rivers



Purchase Land-Active or Sport



Purchase Land-Passive, Nature



New Facilities at Existing Locations



Maintaining Existing State Facilities



Opportunities in Urban Areas



Access for Disabled or Elderly



Public Outdoor Recreation Investment Preference by Region

1- Reduce Investment
 2- About Same
 3- More Investment

Sources: U.S. Census TIGER Files, SCORP Survey
 Map Design: D. Simon
 Voinovich Center for Leadership and Public Affairs
 May, 2007

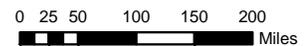


Table 18 presents the percentage of households selecting each level of investment and the mean for each ODNR region.⁷ All five regions have higher than 50 percent selecting invest more in maintenance of existing state facilities at state parks, forests, and nature preserves. Most of the means are above 2.0. The only two means below 2.0 are the means for improving public access to Lake Erie for the Southwest and Southeast regions, which are 1.9. This illustrates some of the regional differences that exist in support for improving public access to Lake Erie. Furthermore, 48 percent of respondents from the Northeast and 33.1 percent from the Northwest support increased investment in improving public access to Lake Erie; while only 11.6 percent from the Southwest and 10.1 percent from the Southeast region chose invest more. When the percent of respondents selecting more investment are considered there also appears to be a preference for investment in outdoor recreation opportunities located within the respondent's region. The northern regions show greater support for investment in public access to Lake Erie, and the Northeast and southern regions have higher levels of support for improving public access to the Ohio River. Additionally, the Southwest, Central, and Northeast regions have higher levels of support for investment in improving outdoor recreation opportunities in urban areas.

⁷ Means represent the average level of preference for public investments in outdoor recreation on a scale of one to three, with one for reduce investment and three for invest more.

Table 18: Regional Preferences for Public Investment in Outdoor Recreation

	Northwest	Southwest	Central	Northeast	Southeast	Ohio ¹
Improve Public Access to Lake Erie						
Invest more	33.1%	11.6%	21.3%	48.0%	10.1%	30.7%
Invest about same	54.5%	70.3%	67.7%	45.7%	70.2%	57.8%
Reduce investment	12.4%	18.1%	11.1%	6.3%	19.7%	11.4%
Region mean	2.2	1.9	2.1	2.4	1.9	2.2
Improve Public Access to the Ohio River						
Invest more	13.5%	23.4%	16.4%	21.1%	27.3%	20.3%
Invest about same	71.6%	57.9%	70.7%	66.2%	59.1%	65.2%
Reduce investment	14.8%	18.7%	12.9%	12.7%	13.6%	14.5%
Region mean	2.0	2.0	2.0	2.1	2.1	2.1
Improve Access to Other Ohio Lakes and Rivers						
Invest more	33.1%	33.2%	35.9%	39.3%	39.3%	36.4%
Invest about same	59.7%	59.1%	59.1%	55.4%	54.4%	57.4%
Reduce investment	7.2%	7.7%	5.1%	5.4%	6.3%	6.2%
Region mean	2.3	2.3	2.3	2.3	2.3	2.3
Purchase Land for Active or Sport-based Recreation Opportunities						
Invest more	31.6%	33.5%	33.6%	33.1%	34.7%	33.2%
Invest about same	47.2%	48.0%	48.5%	49.4%	42.8%	48.1%
Reduce investment	21.2%	18.5%	17.9%	17.6%	22.5%	18.7%
Region mean	2.1	2.1	2.2	2.2	2.1	2.2
Purchase Land for Passive, Quiet Nature-based Recreation Opportunities						
Invest more	43.2%	50.6%	52.9%	47.2%	49.2%	48.7%
Invest about same	42.4%	37.9%	37.7%	43.7%	39.2%	40.8%
Reduce investment	14.4%	11.5%	9.4%	9.1%	11.7%	10.6%
Region mean	2.3	2.4	2.4	2.4	2.4	2.4
Develop Additional Facilities at Existing State Parks, Forest or Nature Preserves						
Invest more	50.0%	46.6%	46.2%	46.3%	53.7%	47.4%
Invest about same	41.3%	47.0%	46.2%	48.4%	37.6%	46.0%
Reduce investment	8.7%	6.4%	7.6%	5.3%	8.6%	6.6%
Region mean	2.4	2.4	2.4	2.4	2.5	2.4
Focus on Maintenance of Existing State Facilities						
Invest more	54.0%	54.0%	52.0%	54.9%	65.3%	54.8%
Invest about same	42.6%	44.5%	47.6%	44.7%	33.2%	44.1%
Reduce investment	3.4%	1.5%	0.4%	0.4%	1.5%	1.1%
Region mean	2.5	2.5	2.5	2.5	2.6	2.5
Improve Outdoor Recreation Opportunities in Urban Areas						
Invest more	36.4%	46.3%	51.6%	44.4%	37.4%	44.7%
Invest about same	50.2%	44.4%	39.8%	47.7%	47.2%	45.8%
Reduce investment	13.4%	9.3%	8.6%	7.8%	15.3%	9.5%
Region mean	2.2	2.4	2.4	2.4	2.2	2.4
Improve Access to Outdoor Recreation Areas for Disabled or Elderly						
Invest more	36.3%	28.4%	32.5%	35.5%	39.6%	33.7%
Invest about same	56.7%	65.6%	61.4%	60.3%	54.8%	60.9%
Reduce investment	7.1%	6.0%	6.1%	4.1%	5.6%	5.4%
Region mean	2.3	2.2	2.3	2.3	2.3	2.3

¹State results are for weighted sample.

Question G. Expenditures for Outdoor Recreation Activities

Table 19: Regional Expenditures for Outdoor Recreation

Goods or Services Purchased	Northwest	Southwest	Central	Northeast	Southeast	Ohio¹
Motorized recreation vehicles and equipment	\$1,649	\$1,496	\$1,368	\$2,258	\$2,315	\$1,866
Equine expenses	\$963	\$319	\$1,087	\$1,591	\$1,708	\$1,112
Boating equipment (boat, sails, etc.)	\$996	\$1,188	\$671	\$682	\$1,525	\$902
User fees (golf, camping, docking, etc)	\$495	\$522	\$486	\$585	\$227	\$522
Hunting and shooting equipment	\$618	\$442	\$580	\$349	\$591	\$485
Observation equipment (cameras, etc.)	\$289	\$292	\$348	\$517	\$257	\$394
Camping equipment	\$311	\$682	\$233	\$362	\$213	\$379
Trail equipment (bikes, backpacks, etc.)	\$308	\$209	\$287	\$470	\$269	\$350
Lodging (cabin, campsite, etc.)	\$315	\$493	\$321	\$298	\$353	\$347
Golf equipment	\$470	\$382	\$293	\$312	\$256	\$343
Meals	\$269	\$277	\$279	\$374	\$322	\$319
Winter sports equipment	\$272	\$310	\$184	\$323	\$246	\$287
Guide, charter and outfitter fees	\$285	\$206	\$560	\$202	\$230	\$275
Transportation	\$257	\$260	\$240	\$207	\$337	\$241
Fitness equipment	\$227	\$261	\$290	\$209	\$168	\$235
Fishing equipment	\$256	\$207	\$157	\$241	\$161	\$214
Field sport equipment (bats, balls, etc.)	\$147	\$118	\$132	\$241	\$287	\$189
Swimming/beach equipment (suits, towels, etc.)	\$153	\$140	\$135	\$184	\$199	\$164
Court sport equipment (rackets, balls, etc.)	\$79	\$104	\$88	\$112	\$85	\$101
Information (charts, field guides, etc.)	\$93	\$53	\$77	\$53	\$45	\$61
Mean Total Recreation Expenditures for HHs	\$1,609	\$1,632	\$1,570	\$1,988	\$1,909	\$1,775

¹State results are for weighted sample.

Respondents were asked to estimate the amount of money spent by their household during 2006 to participate in outdoor recreation activities. Table 19 reports the mean dollar amount spent on outdoor recreation for respondents that reported expenditures in each category and the average total household recreation expenditure for each of the ODNr regions. In 2006, households in the Northeast region spent the most on goods and services for outdoor recreation with an average of \$1,988. The second highest household expenditure is \$1,909 from the Southeast region, while the lowest is \$1,570 for the Central region. For the categories, the highest mean expenditure in all regions is for motorized recreation vehicles and equipment, but a small number of households in each region reported expenditures in this category.⁸ The top three expenditures in four of the regions are motorized recreation vehicles and equipment, equine expenses, and boating equipment. The Southwest region has a much lower expenditure on equine expenses and camping equipment has the third highest expenditure.

⁸ Regarding the results for expenditures for motorized recreation vehicles and equipment, respondents may have included expenditures on RVs or travel trailers in this category in addition to ATVs and other motorized recreation vehicles.

VII. APPENDIX

Appendix I: Survey Instrument

2006 Ohio Outdoor Recreation Participation and Satisfaction Survey



As Ohio plans for the future, we must first assess the outdoor recreation participation needs of our most important customer, you, the Ohioan. The questions below ask about activities that you and/or members of your household may have participated in during 2006. Please keep in mind that all questions pertain to OUTDOOR recreation activities only. By HOUSEHOLD we mean any or all of the adults and children who permanently lived in your residence in 2006. Please answer each question completely. All responses will be kept strictly confidential.

A. Please tell us how often your household participated in each of the following activities in 2006 in OHIO. Enter the total number of times your household participated in each activity on PUBLIC and PRIVATE lands and waters in OHIO, even if it was for a short period of time. Leave the response area blank if your household did not participate in that activity in 2006.

Number of times

1. Wildlife observation and/or wildlife photography in PUBLIC areas

- Birdwatching
- Other wildlife viewing
- Visited nature preserve

2. Boating

- Sail, powerboat, canoe, kayak, Jet Ski, etc.

3. Fishing

- From shore or pier

4. Camping

- Backpack camping
- Campsite without electric or water
- Campsite with electric and/or water
- Cabin
- Designated group camp
- Horse camp

5. Hunting

- Bow, shotgun, etc.

6. Picnicking

- Picnicking
- Special event picnicking using a shelter

7. Playground

- Visited a playground in a park

8. Winter sports

- Downhill skiing/snowboarding
- Cross country skiing
- Snow sledding
- Ice skating outdoors
- Snowmobiling

9. Bicycling for transportation

- Bicycling specifically for transportation

10. Golf

- 9-18 hole course
- Driving/practice range
- Disc golf
- Miniature golf

Number of times

11. Trail activities

- Mountain biking
- Bicycling on bike trail for recreation
- Inline/roller-skating
- Hiking/walking/jogging on trail
- Exercising on fitness trail
- Horseback riding on trail

12. Motorized trail activities on PUBLIC lands

- ATV riding at Wayne NF or ODNR Forest APV area
- Off road motorcycle at Wayne NF or ODNR Forest APV area

13. Motorized trail activities on PRIVATE lands

- ATV riding/off road motorcycling
- Off road 4-wheel driving

14. Field and court sports

- Football/soccer/lacrosse and/or field hockey
- Track and field
- Baseball or softball
- Volleyball
- Tennis
- Basketball
- Other

15. Outdoor swimming and beach

- Public or club pool
- Lake/river/stream
- Wave pool/lazy river/spray park

16. Shooting sports

- Skeet, trap, archery, etc.

17. Other outdoor recreation activities

- Scenic drive on public lands
- Visiting dog park
- Skateboard or BMX
- Rock climbing or outdoor climbing wall
- Orienteering or geo-caching
- Horseback riding at outdoor arena

(Continued next page)

Number
of times

17. Other outdoor recreation activities (continued)

Gardening at community garden
Kite flying or remote control
Other (please specify)

Number
of times

Horseshoes
Corn toss/hole

B. Many things prevent people from participating more often in outdoor recreation. Please tell us why your household DID NOT participate more often in OHIO in 2006. Fill in the circle opposite all items that apply. Correct mark: ● Incorrect mark: ⊗

<input type="radio"/> Sites are too far away <input type="radio"/> Sites are too crowded <input type="radio"/> Sites seem unsafe <input type="radio"/> Sites are poorly maintained <input type="radio"/> Inadequate parking at sites <input type="radio"/> Lack of transportation <input type="radio"/> Gas prices too high	<input type="radio"/> Lack of information about recreation sites <input type="radio"/> Friends do not participate <input type="radio"/> Participation costs too much <input type="radio"/> Sites are often inaccessible to physically challenged <input type="radio"/> Desired facilities are not available <input type="radio"/> Lack of recreation skills	<input type="radio"/> Job responsibilities <input type="radio"/> Family responsibilities <input type="radio"/> User conflict <input type="radio"/> Poor health <input type="radio"/> Not comfortable outdoors <input type="radio"/> Not interested
---	--	---

C. Fill in the circle that BEST represents how satisfied your household was with your outdoor recreation experiences in OHIO in 2006. If you did not participate, please mark Not Applicable. Correct mark: ● Incorrect mark: ⊗

	Dissatisfied	Neither Satisfied Nor Dissatisfied	Satisfied	Not Applicable
1. Wildlife observation/photography	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Boating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Fishing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Camping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Hunting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Picnicking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Playground activities in a park	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Winter sports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Bicycling for transportation purposes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. Golf	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. Trail activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. Motorized trail riding on PUBLIC lands (Wayne NF, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13. Motorized trail riding on PRIVATE lands	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. Field and court sports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. Outdoor swimming and beach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. Shooting sports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. Other outdoor recreation activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

D. Fill in the circle opposite the THREE outdoor recreation facilities that are most important to your household. Select only THREE.

<input type="radio"/> Wildlife observation/photography areas	<input type="radio"/> Fields and courts	<input type="radio"/> Playground in a park	<input type="radio"/> Motorized trails	<input type="radio"/> Trails
<input type="radio"/> Outdoor swimming and beach areas	<input type="radio"/> Hunting areas	<input type="radio"/> Winter sport areas	<input type="radio"/> Picnic areas	<input type="radio"/> Camp sites
<input type="radio"/> Bicycle routes for transportation	<input type="radio"/> Fishing access	<input type="radio"/> Shooting sports areas	<input type="radio"/> Boat access	<input type="radio"/> Golf
<input type="radio"/> Other outdoor facilities				

E. Please ESTIMATE the one-way time and distance for your THREE most preferred outdoor recreation sites in OHIO that your household visited in 2006. For example, if it takes 30 minutes to get to a site 20 miles away in Ross County, write 30 under the minutes column, 20 in the miles column, and Ross in the county column. Remember report on up to THREE activities only.

	Approximate minutes one-way to site	Approximate miles one-way to site	County where site is located						
1. Wildlife observation/photography site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
2. Boating site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
3. Fishing site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
4. Camping site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
5. Hunting area	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
6. Picnicking area	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
7. Playground in park	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
8. Winter sports site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
9. Golf	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
10. Trail	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
11. Motorized trail	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
12. Field and court site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
13. Outdoor swimming and beach area	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
14. Shooting sports area	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				
15. Other outdoor recreation site	<table border="1"><tr><td></td><td></td><td></td></tr></table>				<table border="1"><tr><td></td><td></td><td></td></tr></table>				

F. Listed below are several ways in which the State of Ohio could SPEND TAXPAYER MONEY to improve public outdoor recreation opportunities. Please tell us how much the State of Ohio should invest in each, assuming these investments must be made from existing limited funds. Fill in the circle that best represents your opinion.

	Reduce Investment	Invest About Same	Invest More
1. Improve public access to Lake Erie	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Improve public access to the Ohio River	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Improve access to other Ohio lakes and rivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Purchase land for active and or sport based recreation opportunities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Purchase land for passive, quiet nature-based recreation opportunities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Develop additional facilities at existing state parks, forests, and nature preserves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Focus on maintenance of existing state facilities (state parks, forests, and nature preserves)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Improve outdoor recreation opportunities in urban areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Improve access to outdoor recreation areas for disabled/elderly (when feasible)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



G. Please estimate the amount of money spent by your household during 2006 to participate in outdoor recreation activities in OHIO.

Amount (\$)	Activity	Amount (\$)	Activity
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1. Lodging (cabin, campsite, etc.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	11. Motorized recreation vehicles and equipment
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	2. Meals	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	12. Field sport equipment (bats, balls, etc.)
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	3. Transportation	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	13. Court sport equipment (rackets, balls, etc.)
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	4. Hunting and shooting equipment	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	14. Golf equipment
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	5. Fishing equipment	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	15. Winter sports equipment
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	6. Camping equipment	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	16. Guide, charter, and outfitter fees
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	7. Boating equipment (boat, sails, etc.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	17. User fees (golf, camping, docking, etc.)
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	8. Trail equipment (bikes, backpacks, etc.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	18. Information (charts, field guides, etc.)
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	9. Observation equipment (cameras, etc.)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	19. Swimming/beach equipment (suits, towels, etc.)
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	10. Fitness equipment	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	20. Equine expenses

H. Approximately what percentage of your household's TOTAL outdoor recreation participation takes place on OHIO lands and waters owned or controlled by local, county, state, or federal governments or parks districts? %

I. Approximately what percentage of your household's total outdoor recreation participation takes place in states OTHER than OHIO? %

J. When does your household typically participate in outdoor recreation activities? (Mark all that apply)
 Rarely Some weekends Most weekends Some weekdays Most weekdays Every day

K. In an average week, how many total hours does your household devote to outdoor recreation activities? Hours

L. For up to 2 adults in your household, please answer the following:

	Adult 1	Adult 2
What is the adult's age?	<input type="text"/> <input type="text"/> Years	<input type="text"/> <input type="text"/> Years
How long has this adult participated in outdoor recreation?	<input type="text"/> <input type="text"/> Years	<input type="text"/> <input type="text"/> Years

M. How many children under the age of 18 currently live in your household?

N. Is English the primary language in your household? Yes No

O. What was your TOTAL 2006 household income before taxes?
 \$0-\$20,000 \$20,001-\$40,000 \$40,001-\$60,000 \$60,001-\$100,000 \$100,001-\$150,000 Over \$150,000

P. Would you like to receive a coupon in the mail for one free night of camping at an Ohio State Park campground? Coupon must be used with one paid night and is good Sunday through Thursday. Yes No

Thank you very much for taking the time to complete this survey!



Ohio Department of Natural Resources
 2045 Morse Rd.
 Columbus, OH 43229
 Ted Strickland, *Governor*
 Sean D. Logan, *Director*



An Equal Opportunity Employer

Appendix II: Detailed Tables of 2006 Statewide Survey Data

Table A: Statewide Participation in Outdoor Recreation Activities (Survey Question A)⁹

Recreation Activity	Mean (entire sample)	% of Households
Hiking/walking/jogging on trail	16.7	57.0%
Visited a playground in a park	7.9	52.9%
Scenic drive on public lands	6.6	52.0%
Picnicking	3.4	49.1%
Visited nature preserve	6.9	48.4%
Swimming at public or club pool	7.9	39.3%
Other wildlife viewing	10.6	37.3%
Special event picnicking using a shelter	0.9	34.3%
Golf at a 9-18 hole course	6.7	31.6%
Bicycling on bike trail for recreation	5.7	31.4%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	3.4	31.3%
Birdwatching	14.2	29.2%
Swimming in a lake, river or stream	2.1	27.7%
Fishing from shore or pier	3.4	26.4%
Miniature golf	0.9	24.0%
Driving/practice range	2.7	23.2%
Snow sledding	1.0	22.9%
Football/soccer/lacrosse and/or field hockey	6.3	21.6%
Exercising on fitness trail	4.5	20.3%
Corn toss/hole	1.6	18.9%
Tennis	3.2	18.1%
Baseball or softball	3.0	18.0%
Swimming at a wave pool, lazy river, or spray park	0.9	17.8%
Basketball	2.9	16.5%
Kite flying or remote control	0.7	16.3%
Campsite with electric and/or water	0.9	16.2%
Bicycling specifically for transportation	4.8	15.5%
Camping in cabin	0.7	15.4%
Campsite without electric or water	0.7	13.3%
Downhill skiing/snowboarding	0.8	13.1%
Visiting dog park	1.9	12.1%
Horseshoes	0.7	10.5%
Inline/roller-skating	0.9	10.0%
Hunting with bow, shotgun, etc.	1.8	9.9%
Shooting skeet, trap, archery, etc.	1.4	9.2%
Volleyball	0.7	8.9%
Ice skating outdoors	0.4	8.0%
Mountain biking	1.5	7.8%
Rock climbing or outdoor climbing wall	0.4	7.2%
Other field and court sports	2.2	7.1%
Track and field	1.1	6.7%
Cross country skiing	0.2	6.6%

(continued next page)

⁹ The mean is the number of times households reported participation in each category summed and divided by the total number of survey respondents.

Recreation Activity	Mean (entire sample)	% of Households
Designated group camp	0.1	6.0%
Gardening at community garden	1.9	5.8%
Backpack camping	0.3	5.7%
ATV riding/off road motorcycling on Private Lands	1.4	5.4%
Horseback riding on trail	0.4	5.3%
Horseback riding at outdoor arena	0.6	5.3%
Skateboard or BMX	0.6	4.8%
Other outdoor recreation	1.5	4.3%
Orienteering or geo-caching	0.4	4.0%
Disc golf	0.4	3.7%
Off road 4-wheel driving on Private Lands	0.4	3.5%
Horse camp	0.2	3.3%
ATV riding at Wayne NF or ODNR Forest APV area	0.2	2.4%
Snowmobiling	0.1	2.1%
Off road motorcycle at Wayne or ODNR APV area	0.1	0.8%

Table B: Statewide Participation in Other Outdoor Recreation Activities¹⁰

Question A17-Other	# HHs
Gardening	15
Other outdoor activities	14
Walking	12
Other outdoor sports	10
Lawn games	8
Dog walking	6
Rocketry	5
Fishing	4
Bicycling	3

¹⁰ Written responses from Question A17-other were combined into related categories.

Table C: Statewide Location of Three Most Preferred Recreation Sites¹¹

	Wildlife Observation Rank #	Boating Rank #	Fishing Rank #	Camping Rank #	Hunting Rank #	Picnicking Rank #	Playground in Park Rank #	Winter Sports Rank #	Golf Rank #	Trail Rank #	Motorized Trail Rank #	Field/Court Sports Rank #	Swimming Rank #	Shooting Activities Rank #	Other Rank #	Total # of Response
Adams	27 3	36 1	3 6	8 5	8 2	44 1	34 2	12 1					47 1	5 2	14 2	26
Allen	42 1			24 2		15 5	20 4		33 1	25 3			18 3	10 1		20
Ashland		36 1	24 2	4 7		22 3		12 1	23 3	25 3		26 1	26 2		27 1	24
Ashtabula		21 2		24 2						44 1		26 1	26 2	10 1		9
Athens	13 9	2 8	8 4	10 4	8 2	7 9	7 8		13 5	11 8		7 6	4 10		5 7	80
Auglaize				10 4		44 1				44 1		26 1	47 1		14 2	10
Belmont	27 3		17 3	14 3	16 1	32 2	42 1	8 2	29 2	44 1		12 3	26 2			23
Brown	42 1	36 1		42 1									47 1			4
Butler	19 6			24 2		11 6	20 4		11 6	17 5	5 1	12 3	14 4		14 2	39
Carroll	33 2	36 1				32 2			33 1					10 1		7
Champaign													47 1			1
Clark	33 2	21 2	34 1	24 2		22 3	16 5		33 1	25 3			18 3		14 2	24
Clermont	19 6	21 2	24 2	14 3		32 2	12 6		23 3	13 7		18 2	47 1	10 1	14 2	37
Clinton		36 1		24 2	16 1	44 1	42 1						18 3	10 1	27 1	11
Columbiana	42 1		24 2		16 1	32 2	34 2			34 2						10
Coshocton		36 1	34 1		16 1		42 1			44 1						5
Crawford	33 2		34 1		16 1	44 1	42 1		33 1					10 1		8
Cuyahoga	3 22	9 4	34 1	42 1	16 1	3 21	3 19	1 12	2 19	2 26	5 1	2 11	2 18		3 8	164
Darke																0
Defiance		36 1	34 1		8 2	44 1	42 1			44 1		18 2			27 1	10
Delaware	9 12	2 8	8 4	2 8	8 2	6 10	7 8	8 2	5 11	25 3			4 10	1 3	10 3	84
Erie	11 10	1 11	5 5	6 6	16 1	11 6	23 3	12 1	17 4	44 1		26 1	4 10		6 6	65
Fairfield	33 2	36 1	34 1		16 1	22 3	23 3		17 4	44 1		10 4	26 2			22
Fayette			34 1										47 1		27 1	3
Franklin	1 34	2 8	1 8	42 1	16 1	1 46	1 47	6 4	1 22	1 44	2 3	1 28	1 34	5 2	1 14	296
Fulton			34 1			32 2	42 1		33 1				26 2	10 1	27 1	9
Gallia		36 1	34 1		16 1	22 3	34 2			44 1		26 1			27 1	11
Geauga	27 3	15 3	24 2	42 1		44 1	34 2	8 2	33 1	44 1						16
Greene	11 10	36 1	34 1	24 2		10 7	6 9	12 1	13 5	4 20	3 2	7 6	14 4	5 2	9 4	74
Guernsey	9 12	8 5		2 8	1 5	32 2	16 5		17 4	15 6		26 1	13 5		7 5	58
Hamilton	4 21	21 2	17 3	4 7		2 25	2 30	6 4	3 16	5 19		3 9	10 8	5 2	2 11	157
Hancock	33 2		34 1		16 1	22 3	34 2	12 1	17 4	19 4		12 3	26 2			23
Hardin							42 1									1
Harrison			34 1		8 2	44 1			33 1							5
Henry	42 1	21 2								25 3						6
Highland	24 4	9 4	8 4	24 2	8 2	44 1			23 3	34 2			47 1			23
Hocking	6 13	9 4	8 4	1 14		11 6	42 1		33 1	5 19	1 4	12 3	18 3	5 2	14 2	76
Holmes				24 2						44 1						3
Huron	15 7			24 2		22 3	42 1		33 1	34 2			26 2			18
Jackson	42 1	36 1	24 2		16 1	22 3	23 3	12 1	33 1		5 1		26 2		27 1	17
Jefferson				42 1	16 1	44 1	42 1			25 3			26 2	10 1	27 1	11
Knox	42 1	21 2	8 4	42 1	16 1					19 4			26 2		14 2	17
Lake	15 7	7 6	3 6			32 2	12 6	12 1	23 3	25 3	5 1	26 1	3 12	10 1	10 3	52

¹¹ In table, # = the number of times county selected by respondents. The higher the rank, the more often county was selected.

	Wildlife Observation Rank #	Boating Rank #	Fishing Rank #	Camping Rank #	Hunting Rank #	Picnicking Rank #	Playground in Park Rank #	Winter Sports Rank #	Golf Rank #	Trail Rank #	Motorized Trail Rank #	Field/Court Sports Rank #	Swimming Rank #	Shooting Activities Rank #	Other Rank #	Total # of Response
Lawrence	27 3	36 1	24 2	14 3		15 5			33 1	44 1			26 2		14 2	20
Licking	24 4	21 2	24 2	24 2	3 4	18 4	23 3		33 1	17 5			26 2		27 1	30
Logan		9 4	17 3	8 5		44 1	42 1	3 8	23 3	34 2			14 4	10 1	27 1	33
Lorain	14 8	15 3	8 4	24 2		32 2	16 5		10 7	10 9		12 3	11 7		10 3	53
Lucas	2 24	2 8	5 5	14 3	8 2	4 18	4 18	5 6	4 15	2 26	5 1	4 8	8 9	1 3	3 8	154
Madison		21 2	34 1	24 2		44 1		12 1	33 1				47 1			9
Mahoning	42 1		34 1	42 1		15 5	23 3			19 4		26 1	26 2			18
Marion				42 1					33 1			26 1	47 1			4
Medina	42 1		34 1			18 4	20 4	8 2	29 2	34 2			47 1		14 2	19
Meigs	42 1	21 2	24 2		16 1		42 1									7
Mercer	42 1	21 2				44 1	23 3		33 1			18 2	26 2			12
Miami	33 2			42 1												3
Monroe		36 1			16 1	44 1	42 1		33 1				47 1	10 1		7
Montgomery	5 14		2 7	42 1		5 17	5 12		6 10	9 11	3 2	9 5	14 4	10 1	14 2	86
Morgan	42 1		34 1	14 3	16 1	44 1					5 1					8
Morrow	42 1		34 1		16 1											3
Muskingum	15 7	15 3	17 3	10 4	1 5	18 4	42 1		13 5	11 8		18 2	26 2	10 1	14 2	47
Noble		36 1	34 1		16 1		42 1				5 1		47 1			6
Ottawa	6 13	6 7	5 5	14 3		22 3	16 5	12 1		34 2		18 2	8 9		10 3	53
Paulding																0
Perry	42 1	36 1	34 1		4 3	44 1					5 1		26 2			10
Pickaway	42 1	21 2		42 1		32 2	42 1			34 2				10 1		10
Pike	33 2	15 3	8 4	14 3	4 3	22 3	34 2		33 1	44 1	5 1		18 3	10 1		27
Portage	27 3	36 1	34 1	14 3		32 2	23 3			25 3		26 1	26 2		27 1	20
Preble				24 2					33 1				47 1			4
Putnam																0
Richland	42 1	15 3		14 3	16 1			4 7	29 2	34 2			26 2			21
Ross	24 4	21 2	8 4	6 6	4 3	7 9	11 7		13 5	13 7	5 1	18 2	18 3		27 1	54
Sandusky	42 1	9 4	34 1	24 2	16 1	44 1	23 3		29 2	19 4			12 6		27 1	26
Scioto	27 3	36 1	8 4	24 2	16 1	22 3	12 6		33 1	34 2		18 2	18 3		27 1	29
Seneca		36 1		42 1		44 1	42 1	12 1	33 1	44 1		26 1	47 1			9
Shelby				42 1	16 1	44 1	34 2			44 1		18 2				8
Stark	22 5	21 2	34 1	42 1		32 2	23 3		23 3	25 3		12 3		10 1	27 1	25
Summit	6 13	21 2		24 2	16 1	9 8	7 8	2 10	11 6	5 19		5 7	26 2		14 2	80
Trumbull						44 1	34 2									3
Tuscarawas					16 1	44 1	42 1	12 1								4
Union			34 1				42 1	12 1		44 1				10 1	27 1	6
Van Wert													47 1			1
Vinton	33 2	36 1	24 2	10 4	16 1	32 2	42 1			19 4		26 1	18 3		27 1	22
Warren	22 5	9 4	17 3	24 2		44 1	7 8		7 9	8 13	5 1	5 7	4 10	1 3	7 5	71
Washington	15 7	15 3	17 3	42 1	4 3	18 4	23 3		8 8	19 4		26 1	26 2	1 3		42
Wayne	33 2			42 1		44 1	23 3		17 4	34 2	5 1	26 1	47 1		27 1	17
Williams	42 1		24 2	24 2		44 1	42 1		17 4	44 1		26 1				13
Wood	19 6	21 2	17 3	14 3	8 2	11 6	12 6	12 1	8 8	15 6		10 4	26 2	10 1	14 2	52
Wyandot																0

Appendix III: Detailed Tables of 2006 Survey Data for ODNR Regions of Ohio

Table A: Regional Participation in Outdoor Recreation Activities

	Northwest	
	Mean	% of HHs
Scenic drive on public lands	6.0	50.8%
Visited a playground in a park	7.0	49.8%
Hiking/walking/jogging on trail	12.3	47.7%
Visited nature preserve	3.7	45.8%
Picnicking	2.8	43.7%
Other wildlife viewing	9.1	37.5%
Special event picnicking using a shelter	0.9	35.6%
Swimming at public or club pool	6.3	35.6%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	4.2	32.8%
Golf at a 9-18 hole course	7.2	29.4%
Birdwatching	9.7	28.2%
Swimming in a lake, river or stream	3.0	27.9%
Bicycling on bike trail for recreation	3.1	26.0%
Fishing from shore or pier	3.0	20.7%
Driving/practice range	2.4	20.4%
Miniature golf	0.7	19.8%
Football/soccer/lacrosse and/or field hockey	5.9	19.5%
Snow sledding	0.7	18.6%
Exercising on fitness trail	3.7	17.6%
Kite flying or remote control	0.8	17.0%
Baseball or softball	3.0	16.7%
Bicycling specifically for transportation	2.8	15.8%
Swimming at a wave pool, lazy river, or spray park	0.6	15.8%
Tennis	3.7	14.9%
Campsite with electric and/or water	1.3	13.9%
Basketball	2.2	13.6%
Corn toss/hole	1.2	13.6%
Camping in cabin	0.7	12.1%
Horseshoes	0.8	12.1%
Inline/roller-skating	1.1	11.5%
Volleyball	0.9	9.3%
Campsite without electric or water	0.5	8.7%
Hunting with bow, shotgun, etc.	1.3	8.7%
Other field and court sports	1.6	8.7%
Shooting skeet, trap, archery, etc.	0.7	8.4%
Track and field	1.0	7.4%
Designated group camp	0.2	7.1%
Downhill skiing/snowboarding	0.2	7.1%
Visiting dog park	0.9	7.1%
Rock climbing or outdoor climbing wall	0.4	7.1%
Horseback riding at outdoor arena	0.7	7.1%
Backpack camping	0.3	6.5%
Gardening at community garden	0.9	6.5%
Ice skating outdoors	0.3	6.2%
Other outdoor recreation	3.3	5.6%
Horseback riding on trail	0.5	5.3%
Cross country skiing	0.2	5.0%
Skateboard or BMX	0.7	5.0%
Mountain biking	0.6	4.6%
ATV riding/off road motorcycling on private lands	1.7	4.3%
Off road 4-wheel driving on private lands	0.5	4.3%
Orienteering or geo-caching	0.4	4.3%
Disc golf	1.6	3.7%
Snowmobiling	0.2	2.8%
Horse camp	0.0	2.2%
ATV riding at Wayne NF or ODNR Forest APV area	0.1	0.9%
Off road motorcycle at Wayne NF or ODNR Forest APV area	0.1	0.6%

	Southwest	
	Mean	% of HHs
Hiking/walking/jogging on trail	14.5	54.2%
Visited a playground in a park	6.9	53.3%
Visited nature preserve	7.8	50.8%
Picnicking	2.6	49.2%
Scenic drive on public lands	4.6	48.9%
Swimming at public or club pool	6.4	37.5%
Corn toss/hole	2.9	33.7%
Other wildlife viewing	7.9	33.4%
Golf at a 9-18 hole course	8.7	33.4%
Special event picnicking using a shelter	0.9	32.8%
Bicycling on bike trail for recreation	5.5	32.5%
Birdwatching	14.6	27.2%
Driving/practice range	4.1	26.3%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	2.0	26.0%
Swimming in a lake, river or stream	1.3	24.8%
Miniature golf	0.9	24.1%
Fishing from shore or pier	2.6	23.5%
Exercising on fitness trail	3.5	20.7%
Swimming at a wave pool, lazy river, or spray park	1.0	20.7%
Snow sledding	0.7	19.5%
Football/soccer/lacrosse and/or field hockey	5.2	19.5%
Tennis	2.4	19.2%
Kite flying or remote control	0.9	16.1%
Basketball	2.6	15.8%
Visiting dog park	3.1	15.2%
Campsite with electric and/or water	0.5	14.9%
Baseball or softball	2.2	13.6%
Camping in cabin	0.3	13.3%
Campsite without electric or water	0.5	12.1%
Bicycling specifically for transportation	3.4	11.5%
Inline/roller-skating	0.8	9.3%
Shooting skeet, trap, archery, etc.	2.5	9.3%
Horseshoes	0.5	9.3%
Downhill skiing/snowboarding	0.5	8.7%
Volleyball	0.8	7.7%
Other field and court sports	2.1	7.7%
Rock climbing or outdoor climbing wall	0.4	7.7%
Mountain biking	0.8	7.4%
Hunting with bow, shotgun, etc.	1.2	7.1%
Ice skating outdoors	0.2	7.1%
Horseback riding on trail	0.4	7.1%
Gardening at community garden	2.3	6.5%
Horseback riding at outdoor arena	0.3	5.9%
Backpack camping	0.4	5.6%
Orienteering or geo-caching	0.5	5.3%
Track and field	0.8	5.0%
Disc golf	0.2	4.3%
Designated group camp	0.1	4.0%
Horse camp	0.3	3.7%
Cross country skiing	0.2	3.7%
Skateboard or BMX	0.8	3.7%
Other outdoor recreation	0.4	3.4%
ATV riding/off road motorcycling on private lands	0.4	3.1%
Off road 4-wheel driving on private lands	0.4	2.2%
ATV riding at Wayne NF or ODNR Forest APV area	0.1	1.9%
Snowmobiling	0.0	1.5%
Off road motorcycle at Wayne NF or ODNR Forest APV area	0.0	0.6%

	Central	
	Mean	% of HHs
Hiking/walking/jogging on trail	20.8	60.5%
Visited a playground in a park	9.5	55.3%
Picnicking	2.9	50.0%
Scenic drive on public lands	6.0	50.0%
Visited nature preserve	4.9	45.4%
Swimming at public or club pool	9.6	43.8%
Other wildlife viewing	10.5	36.2%
Special event picnicking using a shelter	0.7	32.2%
Bicycling on bike trail for recreation	8.2	31.6%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	2.7	29.9%
Golf at a 9-18 hole course	5.3	29.9%
Birdwatching	12.5	27.0%
Fishing from shore or pier	2.9	27.0%
Swimming in a lake, river or stream	2.1	25.3%
Driving/practice range	3.2	21.4%
Miniature golf	0.6	21.1%
Football/soccer/lacrosse and/or field hockey	5.1	20.4%
Corn toss/hole	1.5	20.1%
Snow sledding	0.7	18.8%
Swimming at a wave pool, lazy river, or spray park	1.0	17.8%
Baseball or softball	2.7	17.4%
Kite flying or remote control	0.6	17.4%
Tennis	2.7	16.1%
Basketball	3.3	16.1%
Exercising on fitness trail	4.2	15.5%
Campsite without electric or water	0.7	14.8%
Campsite with electric and/or water	0.6	14.8%
Camping in cabin	0.3	14.5%
Bicycling specifically for transportation	8.0	14.1%
Visiting dog park	2.8	14.1%
Downhill skiing/snowboarding	0.7	12.5%
Hunting with bow, shotgun, etc.	3.0	11.5%
Horseshoes	0.5	11.5%
Shooting skeet, trap, archery, etc.	1.1	10.2%
Inline/roller-skating	0.9	9.9%
Ice skating outdoors	0.4	7.9%
ATV riding/off road motorcycling on private lands	2.3	7.6%
Mountain biking	4.1	6.9%
Track and field	1.2	6.9%
Other outdoor recreation	1.2	6.3%
Designated group camp	0.1	5.9%
Volleyball	0.3	5.6%
Other field and court sports	1.2	5.6%
Rock climbing or outdoor climbing wall	0.4	5.6%
Backpack camping	0.2	4.9%
Disc golf	0.3	4.9%
Gardening at community garden	1.4	4.9%
Horseback riding on trail	0.3	4.3%
Skateboard or BMX	0.4	3.9%
Orienteering or geo-caching	0.3	3.9%
Cross country skiing	0.1	3.3%
Horseback riding at outdoor arena	1.0	3.3%
Horse camp	0.0	2.3%
Snowmobiling	0.1	2.3%
ATV riding at Wayne NF or ODNR Forest APV area	0.3	2.3%
Off road 4-wheel driving on private lands	0.1	2.0%
Off road motorcycle at Wayne NF or ODNR Forest APV area	0.1	1.3%

	Northeast	
	Mean	% of HHs
Hiking/walking/jogging on trail	18.0	61.8%
Scenic drive on public lands	8.4	55.1%
Visited a playground in a park	8.7	53.2%
Visited nature preserve	8.3	51.9%
Picnicking	4.1	51.3%
Swimming at public or club pool	8.8	41.4%
Other wildlife viewing	10.2	39.8%
Special event picnicking using a shelter	1.0	35.0%
Bicycling on bike trail for recreation	6.2	35.0%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	4.1	33.8%
Golf at a 9-18 hole course	6.4	33.1%
Birdwatching	13.2	31.5%
Snow sledding	1.3	29.9%
Swimming in a lake, river or stream	2.1	29.6%
Fishing from shore or pier	3.6	28.7%
Miniature golf	0.9	27.4%
Football/soccer/lacrosse and/or field hockey	8.5	25.5%
Driving/practice range	1.8	24.5%
Exercising on fitness trail	5.8	24.2%
Baseball or softball	3.5	21.3%
Tennis	4.0	21.0%
Bicycling specifically for transportation	5.0	19.7%
Downhill skiing/snowboarding	1.4	19.1%
Camping in cabin	1.1	18.8%
Basketball	3.0	18.2%
Campsite with electric and/or water	1.0	17.8%
Swimming at a wave pool, lazy river, or spray park	0.9	17.5%
Kite flying or remote control	0.7	15.9%
Campsite without electric or water	0.8	14.0%
Visiting dog park	1.4	12.4%
Cross country skiing	0.4	11.5%
Volleyball	0.8	11.5%
Inline/roller-skating	1.0	10.8%
Corn toss/hole	0.9	10.5%
Ice skating outdoors	0.5	10.2%
Mountain biking	1.2	9.9%
Hunting with bow, shotgun, etc.	1.3	9.2%
Horseshoes	0.6	9.2%
Track and field	1.4	8.0%
Shooting skeet, trap, archery, etc.	0.9	8.0%
Rock climbing or outdoor climbing wall	0.5	8.0%
Designated group camp	0.1	7.3%
Other field and court sports	3.2	7.0%
Backpack camping	0.3	6.1%
Skateboard or BMX	0.5	6.1%
Horseback riding at outdoor arena	0.5	5.1%
Gardening at community garden	1.8	5.1%
Horseback riding on trail	0.3	4.5%
ATV riding/off road motorcycling on private lands	0.7	4.5%
Horse camp	0.1	3.5%
Off road 4-wheel driving on private lands	0.2	3.5%
Orienteering or geo-caching	0.3	3.5%
Disc golf	0.1	3.2%
Other outdoor recreation	1.3	3.2%
ATV riding at Wayne NF or ODNR Forest APV area	0.1	2.5%
Snowmobiling	0.1	2.2%
Off road motorcycle at Wayne NF or ODNR Forest APV area	0.1	0.6%

	Southeast	
	Mean	% of HHs
Scenic drive on public lands	6.6	52.5%
Visited a playground in a park	5.1	49.7%
Hiking/walking/jogging on trail	14.7	48.7%
Picnicking	3.8	45.3%
Other wildlife viewing	25.1	38.9%
Special event picnicking using a shelter	1.2	38.6%
Sail, powerboat, canoe, kayak, Jet Ski, etc.	4.2	36.4%
Visited nature preserve	6.6	33.5%
Swimming in a lake, river or stream	3.6	32.9%
Fishing from shore or pier	7.0	32.6%
Birdwatching	31.2	30.7%
Swimming at public or club pool	6.5	30.4%
Golf at a 9-18 hole course	4.7	25.9%
Corn toss/hole	2.7	21.5%
Hunting with bow, shotgun, etc.	5.0	20.9%
Miniature golf	1.5	20.9%
Campsite with electric and/or water	1.2	19.0%
Campsite without electric or water	1.2	18.7%
Bicycling on bike trail for recreation	2.6	18.0%
Baseball or softball	3.8	18.0%
Basketball	3.8	16.8%
Horseshoes	1.7	16.1%
Snow sledding	1.1	15.5%
Driving/practice range	1.5	15.2%
Shooting skeet, trap, archery, etc.	3.0	15.2%
Exercising on fitness trail	2.9	14.9%
Football/soccer/lacrosse and/or field hockey	2.5	14.2%
Kite flying or remote control	0.8	14.2%
ATV riding/off road motorcycling on private lands	5.9	13.9%
Swimming at a wave pool, lazy river, or spray park	0.7	13.6%
Camping in cabin	0.8	12.0%
Off road 4-wheel driving on private lands	2.3	10.1%
Bicycling specifically for transportation	3.3	9.5%
Tennis	2.1	9.2%
Gardening at community garden	3.9	8.5%
Downhill skiing/snowboarding	0.4	7.6%
Horseback riding on trail	1.8	7.0%
Other field and court sports	0.9	7.0%
Volleyball	1.0	6.6%
Inline/roller-skating	0.4	6.0%
ATV riding at Wayne NF or ODNR Forest APV area	0.7	5.7%
Rock climbing or outdoor climbing wall	0.2	5.7%
Horseback riding at outdoor arena	1.0	5.7%
Backpack camping	0.4	5.4%
Mountain biking	0.7	5.4%
Other outdoor recreation	4.2	5.4%
Horse camp	0.9	4.7%
Visiting dog park	0.5	4.7%
Track and field	0.4	4.1%
Skateboard or BMX	0.5	4.1%
Designated group camp	0.1	3.8%
Ice skating outdoors	0.0	2.8%
Orienteering or geo-caching	0.1	2.5%
Cross country skiing	0.0	1.9%
Snowmobiling	0.4	1.9%
Off road motorcycle at Wayne NF or ODNR Forest APV area	0.1	1.9%
Disc golf	0.7	1.3%

Table B: County Location of Three Most Preferred Recreation Sites by County¹²

Northwest		Southwest		Central		Northeast		Southeast	
County	Frequency	County	Frequency	County	Frequency	County	Frequency	County	Frequency
Lucas	151	Hamilton	152	Franklin	280	Cuyahoga	159	Athens	78
Erie	53	Montgomery	81	Delaware	80	Summit	78	Ross	50
Wood	50	Greene	71	Hocking	38	Lake	48	Guernsey	43
Ottawa	46	Warren	71	Licking	28	Lorain	48	Washington	41
Hancock	23	Butler	39	Fairfield	19	Stark	25	Muskingum	37
Sandusky	22	Clermont	37	Knox	17	Medina	19	Hocking	28
Allen	20	Clark	23	Ashland	16	Mahoning	18	Scioto	28
Logan	16	Clinton	8	Richland	16	Portage	18	Pike	25
Williams	13	Logan	7	Muskingum	9	Geauga	16	Adams	21
Huron	12	Adams	4	Logan	8	Jefferson	11	Highland	21
Mercer	12	Hocking	4	Madison	7	Wayne	11	Lawrence	20
Auglaize	10	Brown	3	Pickaway	7	Columbiana	10	Belmont	19
Defiance	9	Fayette	3	Crawford	6	Ashtabula	7	Vinton	18
Fulton	9	Guernsey	3	Union	6	Guernsey	7	Jackson	16
Seneca	8	Miami	3	Guernsey	4	Erie	6	Gallia	11
Shelby	8	Preble	3	Erie	3	Huron	6	Perry	9
Henry	6	Wayne	3	Marion	3	Carroll	5	Meigs	7
Franklin	5	Erie	2	Morgan	3	Ashland	4	Noble	6
Hocking	5	Franklin	2	Ottawa	3	Franklin	4	Franklin	5
Lorain	4	Lake	2	Monroe	2	Tuscarawas	4	Morgan	4
Delaware	3	Pike	2	Morrow	2	Coshocton	3	Ashland	3
Hamilton	3	Vinton	2	Portage	2	Harrison	3	Cuyahoga	3
Montgomery	3	Ashland	1	Sandusky	2	Ottawa	3	Monroe	3
Crawford	2	Belmont	1	Vinton	2	Ross	3	Carroll	2
Cuyahoga	2	Champaign	1	Adams	1	Trumbull	3	Clinton	2
Monroe	2	Coshocton	1	Ashtabula	1	Belmont	2	Fairfield	2
Brown	1	Defiance	1	Athens	1	Holmes	2	Greene	2
Clinton	1	Fairfield	1	Belmont	1	Lucas	2	Pickaway	2
Coshocton	1	Harrison	1	Clark	1	Montgomery	2	Richland	2
Greene	1	Highland	1	Hamilton	1	Richland	2	Ashtabula	1
Guernsey	1	Lucas	1	Harrison	1	Sandusky	2	Erie	1
Hardin	1	Madison	1	Highland	1	Athens	1	Lake	1
Holmes	1	Perry	1	Jackson	1	Delaware	1	Licking	1
Licking	1	Scioto	1	Lake	1	Hamilton	1	Logan	1
Morgan	1	Wood	1	Lorain	1	Hocking	1	Madison	1
Morrow	1			Summit	1	Logan	1	Marion	1
Muskingum	1			Wayne	1	Seneca	1	Ottawa	1
Pickaway	1					Washington	1	Wayne	1
Preble	1							Wood	1
Richland	1								
Ross	1								
Summit	1								
Van Wert	1								
Wayne	1								

¹² **Bold** indicates counties located outside of the region.



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