



112) What race or ethnic background do you consider yourself?

- Hispanic
- White
- African-American
- Native American
- Asian American
- Don't know
- Other
- Refused

113) Finally, may I ask your age?

\_\_\_\_\_

114) Observe and record gender.

- Male
- Female
- Uncertain



## APPENDIX B2

### *Indiana Registered Boaters Survey on Boating in Indiana*

1

## Indiana Registered Boaters Participation in, Attitudes Toward, and Opinions on Boating in Indiana

Please note: This document is a survey outline rather than a full-fledged survey instrument. The survey instrument will be computer-coded, and although the questions are simply presented in a list here, the survey will automatically branch and skip certain questions in the full survey instrument. This outline is designed to present topics, content, and potential questions in a concise manner for your review.

### SURVEY OUTLINE

Introduction.....	2
<b>General Boating Participation .....</b>	<b>2</b>
Types of Registered Boats .....	2
Satisfaction with Boating Experiences .....	3
Boating Avidity and Behavior .....	3
Boating Locations .....	5
<b>Boating Regulations.....</b>	<b>7</b>
<b>Boat Registration.....</b>	<b>7</b>
<b>Safety Issues.....</b>	<b>8</b>
Perception of Boating Safety .....	8
Causes of Boating Accidents .....	8
Safety Areas of Concern.....	9
Participation in and Attitudes Toward Boater Safety Education .....	9
<b>DNR Law Enforcement Issues.....</b>	<b>11</b>
Contact with an INDNR Conservation Officer .....	11
<b>Program Priorities .....</b>	<b>14</b>
<b>Facilities Issues .....</b>	<b>15</b>
Use of Public vs. Private Facilities .....	15
Rating of Available Facilities .....	15
<b>Knowledge of and Opinions About the Indiana Department of Natural Resources .....</b>	<b>18</b>
<b>Boating Expenditures .....</b>	<b>19</b>
<b>Boating Information .....</b>	<b>19</b>
Interest in Various Information Topics .....	20
Information Dissemination .....	20
<b>Demographics.....</b>	<b>20</b>



## INTRODUCTION

Hello, my name is \_\_\_\_\_, may I speak with \_\_\_\_\_? I am calling on behalf of the Indiana Department of Natural Resources to gather some information about YOUR boating experiences in Indiana. Our records indicate that you have a registered boat in the state of Indiana. Is this correct, and would this be a good time to answer a few questions? The survey takes about 8 – 10 minutes.

Continue only if they have a registered boat in Indiana.

## GENERAL BOATING PARTICIPATION

- 1) During the last 12 months, did you operate any registered boat on any body of freshwater in Indiana?

Yes

No

- 2) (If Q1 is No) I am sorry, but right now we are only interviewing those individuals that operated a registered boat in the last 12 months in Indiana. Thank you very much for your time and consideration.

(If Q1 is Yes) Which of the following types of boats do you have registered in Indiana?

(Read list; Check all that apply)

Motorboat (less than 16 feet)

Motorboat (16-26 feet)

Motorboat (26-40 feet)

Motorboat (40-65 feet)

Motorboat (greater than 65 feet)

Sailboat (less than 16 feet)

Sailboat (16-40 feet)

Sailboat (greater than 40 feet)

Flat-bottomed fishing boat

Personal watercraft (Industry names include Jet ski, Wave Runner, Sea-Doo and/or Wet

Bike)

Canoe

Kayak

Rowboat with troller

Pontoon boat

Jon boat

Powered catamaran

Other



- 3) During your LAST BOATING TRIP in Indiana, what type of boat were you using?  
(Read list; Check all that apply)
- Motorboat (less than 16 feet)
  - Motorboat (16-26 feet)
  - Motorboat (26-40 feet)
  - Motorboat (40-65 feet)
  - Motorboat (greater than 65 feet)
  - Sailboat (less than 16 feet)
  - Sailboat (16-40 feet)
  - Sailboat (greater than 40 feet)
  - Flat-bottomed fishing boat
  - Personal watercraft (Industry names include Jet ski, Wave Runner, Sea-Doo and/or Wet Bike)
- Canoe
  - Kayak
  - Rowboat with troller
  - Pontoon boat
  - Jon boat
  - Powered catamaran
  - Other

This survey deals with questions concerning your recreational boating experiences in the boat(s) you just mentioned. Please refer only to your experiences while boating IN Indiana. (If you registered more than one boat, please refer to the boat you use most often.)

- 4) Overall, are you satisfied or dissatisfied with your Indiana boating experiences in the past 12 months?
- Very satisfied
  - Somewhat satisfied
  - Neither satisfied nor dissatisfied
  - Somewhat dissatisfied
  - Very dissatisfied
- 5) Overall, are you satisfied or dissatisfied with the Indiana DNR in managing Indiana's boating waters?
- Very satisfied
  - Somewhat satisfied
  - Neither satisfied nor dissatisfied
  - Somewhat dissatisfied
  - Very dissatisfied



- 6) How many years, out of the past five years, did you go boating in Indiana?
- 1 year
  - 2 years
  - 3 years
  - 4 years
  - 5 years
- 7) How many trips/outings total during the past 12 months did you take boating in Indiana?  
(Multiple outings in a single day count as one outing)  
\_\_\_ (Range between 1 – 365)
- 8) How many days total during the past 12 months did you go boating in Indiana?  
\_\_\_ (Range between 1 – 365)
- 9) How many hours do you usually spend on the water in a single day when you go boating?  
\_\_\_ (Range between 1 – 24)
- 10) At what time of the day do you generally start your boating outing? (READ LIST)
- Morning
  - Mid-day/noon
  - Afternoon
  - Evening
- 11) How long, in terms of hours, do you usually travel from your home to get to the location where you put in for a DAY trip of boating in Indiana?
- Don't take day boating trips
  - Less than 1 hour
  - 1 – 2 hours
  - 2 – 3 hours
  - 3 – 4 hours
  - 4 – 5 hours
  - 6 – 7 hours
  - Don't know
- 12) How long, in terms of hours, do you usually travel from your home to get to the location where you put in for an OVERNIGHT trip for the primary purpose of boating in Indiana?
- Don't take overnight boating trips
  - Less than 1 hour
  - 1 – 2 hours
  - 2 – 3 hours
  - 3 – 4 hours
  - 4 – 5 hours
  - 6 – 7 hours
  - Don't know



- 13) On which bodies of water did you boat in Indiana in the past 12 months?
- \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
- 14) You said your total number of boating trips was [Q7]. How many of those trips did you take to [Q13a]?
- \_\_\_\_\_
- 15) How many of those trips did you take to [Q13b]?
- \_\_\_\_\_
- 16) How many of those trips did you take to [Q13c]?
- \_\_\_\_\_
- 17) What was the last body of water on which you boated in Indiana?
- \_\_\_\_\_
- 18) What are the reasons you do not go boating more often? (Open-ended; Check all that apply)
- Time: Work obligations
  - Time: Family obligations
  - Cost/Too expensive
  - Do not own a boat/Depend on others that own boat to go
  - Boat/Watercraft in need of repair
  - Too far to get to water
  - Don't know where to go
  - Weather
  - Other interests/hobbies
  - Other
- 19) What is the typical number of persons who generally go boating with you during a single outing? (NOT INCLUDING YOURSELF; IF YOU GO ALONE SAY 0)

(If Q19 is 0, skip to Q21)



- 20) With whom do you usually go boating? (Open-ended; Check all that apply)
- Spouse
  - Children
  - Parents
  - Extended family
  - Friends
  - Co-workers
  - Other
- 21) During a typical boating trip, are there any other people that operate the boat you use?  
If yes: Who are they? (Open-ended; Check all that apply)
- Spouse
  - Children
  - Parents
  - Extended family
  - Friends
  - Co-workers
  - Other
- 22) Over the past 12 months, would you say your boating activity in Indiana has increased, decreased, or remained about the same?
- Increased
  - Decreased
  - Remained about the same
  - Don't know
- 23) What are the important reasons why you boat in Indiana? (Open-ended, Check all that apply)
- For relaxation
  - To be with friends and family
  - To be close to nature
  - To fish
  - To catch large fish
  - To go swimming
  - For the sport
  - To sightsee
  - As part of a vacation
  - It's a hobby
  - Entertain business associates
  - Other



- 24) In the past 12 months, do you think the quality of your boating experiences in Indiana has declined, remained about the same, improved, or do you not know?
- Declined
  - Remained about the same
  - Improved
  - Don't know

### BOATING REGULATIONS

- 25) Are you satisfied or dissatisfied with the current boating regulations in Indiana?
- Very satisfied
  - Somewhat satisfied
  - Neither satisfied nor dissatisfied
  - Somewhat dissatisfied
  - Very dissatisfied
  - Don't know
- 26) Do you agree or disagree that Indian's boating regulations are clear and easy to understand?
- Strongly agree
  - Moderately agree
  - Neither agree nor disagree
  - Moderately disagree
  - Strongly disagree
  - Don't know

### BOAT REGISTRATION

- 27) Overall, would you describe the process of registering and renewing your watercraft in Indiana as excellent, good, fair, or poor?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
- 28) What aspects, if any, of the watercraft registration process would you like to see improved? (Open-ended, Check all that apply)
- None-process is fine
  - More convenient/more places to register
  - Timeliness
  - Customer Service
  - Application form simplified
  - Easier renewals
  - Cost – too expensive
  - Other
  - Don't know



**SAFETY ISSUES**

- 29) Overall, do you think that boating on Indiana's waters is safe or dangerous?
- Very safe
  - Somewhat safe
  - Neither safe nor dangerous
  - Somewhat dangerous
  - Very dangerous
  - Don't know
- 30) What would you say is the main reason that people have boating accidents? (Open-ended, Check all that apply)
- Going too fast/speeding
  - Reckless/careless operation
  - Alcohol
  - Drugs
  - Don't know the rules of the waterways
  - Fatigue
  - Distractions
  - Not familiar with boating equipment
  - Immature/operators too young
  - Overcrowding, not enough space in waterway
  - Didn't take a boater safety class
  - Other
  - Don't know
- 31) When you use your motorboat on an Indiana public waterway, how frequently do you observe other boaters operating their motorboats, EXCLUDING PERSONAL WATERCRAFT (industry names include Jet Ski, Wave Runner, Sea-Doo, and Wet Bike), in an unsafe manner? Do you observe unsafe behaviors always, sometimes, rarely, or never?
- Always
  - Sometimes
  - Rarely
  - Never
  - Don't know
- 32) When you use your motorboat on an Indiana public waterway, how frequently do you observe other boaters operating a PERSONAL WATERCRAFT (industry names include Jet Ski, Wave Runner, Sea-Doo, and Wet Bike) in an unsafe manner?
- Always
  - Sometimes
  - Rarely
  - Never
  - Don't know



- 33) Overall, as a boater, what types of safety issues concern you the most? (Open-ended, Check all that apply)
- Reckless/careless operators
  - Alcohol
  - Drug use
  - Personal watercraft (jet skiers)
  - Inadequate operator training
  - Speed at which watercraft are operated
  - Overcrowded waterways
  - Lack of law enforcement
  - Poor buoys/signs or markers
  - Lack of public access
  - Water quality
  - Pollution
  - Not taking a boater safety class
  - Nothing
  - Don't know
  - Other
- 34) How would you rate the DNR's efforts to provide education and safety training to Indiana's boaters? Would you say the DNR does an excellent, good, fair, or poor job?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
- 35) Have you taken a DNR-recognized boating safety class, that is, a class that was at least 8 hours and was provided by the Indiana DNR, U.S. Coast Guard Auxiliary, U.S. Power Squadron, a school, or a boating club in the past 12 months?
- Yes
  - No
  - Don't know
- 36) What is your main reason for NOT taking a recognized boating safety class? (Open-ended, Check all that apply)
- Did not know boating safety classes were available
  - Did not know who to contact/ how to register
  - Do not have time
  - Do not need a boating safety class
  - Am an experienced boater/ have been boating for many years
  - Took a class, but not a DNR-recognized class
  - Took a class, but more than 12 months ago
  - Don't know
  - Other



- 37) Currently in Indiana, persons 15 years old or older, who do not possess a valid drivers license are required to take a boating safety class to operate a motorboat. Would you support or oppose efforts to develop a mandatory statewide boater safety course that all motorboaters, other than personal watercraft operators, must take before operating a boat in Indiana?
- Strongly support
  - Moderately support
  - Neither support nor oppose
  - Moderately oppose
  - Strongly oppose
  - Don't know
- 38) Would you support or oppose efforts to develop a mandatory statewide boater safety course that all personal watercraft operators must take before operating a personal watercraft in Indiana?
- Strongly support
  - Moderately support
  - Neither support nor oppose
  - Moderately oppose
  - Strongly oppose
  - Don't know
- 39) Would you support or oppose a change in legislation that would require boat occupants aged 12 and younger to use a personal flotation device (PFD) at all times?
- Strongly support
  - Moderately support
  - Neither support nor oppose
  - Moderately oppose
  - Strongly oppose
  - Don't know
- 40) And on a typical boating trip, would you say you and your passengers usually use a PFD:  
(Read list; Check all that apply)
- At all times
  - Only when the boat is moving
  - Only for certain activities
  - Only when conditions are bad
  - Only for certain activities in bad conditions
  - Under other circumstances
  - Or do you and your passengers never wear a PFD?



- 41) In your opinion, what actions could the Indiana DNR take to make Indiana's public waters safer for all boaters? (Open-ended; Check all that apply)
- Nothing
  - Provide VOLUNTARY boating safety courses
  - Provide MANDATORY boating safety courses
  - Maintain a more visible presence on Indiana's waterways
  - Hire more law enforcement/conservation officers
  - Increase fines for operating watercraft in an unsafe manner
  - Increase fines for the violation of boating regulations
  - Increase minimum age for operating a watercraft
  - Increase checks for boating registrations
  - Implement regulations to address specific issues
  - Other
  - Don't know

### DNR LAW ENFORCEMENT ISSUES

Now I would like to ask you a few questions about law enforcement issues related to boating in Indiana.

- 42) How often have you seen the DNR's conservation officers patrolling and providing services while you were boating? Do you see conservation officers very often, somewhat often, rarely, or never?
- Very often
  - Somewhat often
  - Rarely
  - Never
  - Don't know
- 43) Do you agree or disagree that the Indiana DNR maintains a sufficient law enforcement presence on public waterways?
- Strongly agree
  - Moderately agree
  - Neither agree nor disagree
  - Moderately disagree
  - Strongly disagree
  - Don't know
- 44) Within the past 12 months, have you had any personal contact with a DNR law enforcement/conservation officer while boating?
- Yes
  - No (If No, skip to Q43)
  - Don't know (If Don't know, skip to Q43)



- 45) What was the nature of this contact? (Open-ended; Check all that apply)
- You sought information about boating regulations
  - You sought directions or navigational information
  - You sought information on fishing
  - You had a complaint about another boater (not personal watercraft)
  - You had a complaint about a personal watercraft operator
  - You were checked for proper safety equipment
  - You were checked possession of fishing license
  - You were cited/warned about reckless boat operation
  - You were cited/warned about operating a boat too fast
  - You were cited/warned about operating a boat under the influence of alcohol
  - You were cited/warned about fishing violation
  - Don't remember
  - Other
- 46) Would you like to see more, the same amount, or less DNR conservation officers while boating in Indiana?
- Much more
  - Somewhat more
  - The same
  - Somewhat less
  - Much less
  - Don't know
- 47) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort on checking for boat registrations?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 48) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort on checking for required safety equipment?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know



- 49) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort on controlling boaters under the influence of alcohol or drugs?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 50) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort on controlling reckless operation?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 51) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort on investigating stolen watercraft?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 52) Do you think the DNR's law enforcement/conservation officers should spend more, the same, or less effort enforcing personal watercraft laws and regulations?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know



### PROGRAM PRIORITIES

Next, I'm going to list several DNR programs that relate to boating and I would like to know if you think more, the same, or less time and effort should be devoted to each activity.

- 53) Do you think the DNR should spend more, the same, or less effort on boating safety education?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 54) Do you think the DNR should spend more, the same, or less effort on informing and educating boaters on issues other than boating safety education?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 55) Do you think the DNR should spend more, the same, or less effort on increasing boating access on lakes and reservoirs?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
- 56) Do you think the DNR should spend more, the same, or less effort on increasing boating access on rivers and streams?
- Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know



- 57) Do you think the DNR should spend more, the same, or less effort on building more boat ramps?
  - Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
  
- 58) Do you think the DNR should spend more, the same, or less effort on rebuilding and/or maintaining existing boat ramps?
  - Much more effort
  - Slightly more effort
  - The same amount of effort
  - Slightly less effort
  - Much less effort
  - Don't know
  
- 59) Are there any other areas that you would like to see the DNR spend more effort on as a program priority? (If nothing, leave blank)
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_

**FACILITIES ISSUES**

Now I would like to ask you a few questions related to the facilities the Indiana DNR provides for boating.

- 60) At the body of water you most often boat, are the boating facilities you use while boating, such as launch ramps, public or private facilities?
  - Public
  - Private
  - Don't know
  
- 61) Overall, would you rate the boater ACCESS FACILITIES at the area in Indiana where you boat most often as excellent, good, fair or poor?
  - Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable





- 62) Would you rate the LAUNCH RAMPS at the area in Indiana where you boat most often as excellent, good, fair or poor or are there no launch ramps at all?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 63) How would you rate the PARKING at this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 64) How would you rate the RESTROOMS at this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 65) How would you rate the DOCKS at this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 66) How would you rate the ROADS to this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable



- 67) How would you rate the SANITARY PUMP-OUTS at this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 68) How would you rate the FISH CLEANING STATIONS at this area?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know
  - Not applicable
- 69) Are there any boater access facilities in this area that you would like to see improved? If yes, what aspects of the facilities need to be improved? (Open-ended; Check all that apply)
- None
  - More free public access
  - Launch ramps
  - Restrooms
  - Parking areas
  - Mooring or docking facilities
  - Fish cleaning stations
  - Sanitary pump-outs
  - Handicap accessible boating facilities
  - Camping areas
  - Picnic areas
  - Swimming areas
  - Lighting
  - Roads to boating areas
  - Other



- 70) Are there any boater access facilities in this area that you would like to see built? If yes, what needs to be built? (Open-ended; Check all that apply)
- None
  - More free public access
  - Launch ramps
  - Restrooms
  - Parking areas
  - Mooring or docking facilities
  - Fish cleaning stations
  - Sanitary pump-outs
  - Handicap accessible boating facilities
  - Camping areas
  - Picnic areas
  - Swimming areas
  - Lighting
  - Roads to boating areas
  - Other

### **KNOWLEDGE OF AND OPINIONS ABOUT THE INDIANA DEPARTMENT OF NATURAL RESOURCES**

- 71) In Indiana, the DNR is the agency responsible for protecting, enhancing, and preserving the natural, cultural, and recreational resources in Indiana. Before this survey, would you say you knew a great deal, a moderate amount, a little, or nothing about the activities of the Indiana DNR?
- Great deal
  - Moderate amount
  - A little
  - Nothing
  - Don't know
- 72) How would you rate the DNR's efforts to provide boating access opportunities? Would you say they do an excellent, good, fair, or poor job?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know



- 73) In general, how would you rate the DNR's performance with incorporating boaters' wants and needs into the management of the state's recreational boating resources? Would you say they do an excellent, good, fair, or poor job?
- Excellent
  - Good
  - Fair
  - Poor
  - Don't know

### BOATING EXPENDITURES

Now I'd like to talk about your boating expenditures in Indiana. In general, there are three primary areas where you might spend money for a boating trip: in and around your place of residence, en route to the body of water, and at the body of water. For this survey, we will only focus on the money you spent AT THE BODY OF WATER. I'm going to read a few ways you may have spent money while boating, and I'd like you to tell me how much you spent in Indiana during YOUR LAST BOATING TRIP ONLY, AT [Q17].

- 74) About how much money did you spend on lodging, travel, and food and drink, including gasoline for your vehicle, groceries and/or liquor, and money spent at eating and drinking establishments in Indiana during your most recent boating trip, AT THE BODY OF WATER?
- \$ \_\_\_\_\_
- 75) About how much money did you spend on boat expenditures, such as fuel for your boat and major and minor boating equipment, in Indiana during your most recent boating trip, AT THE BODY OF WATER?
- \$ \_\_\_\_\_
- 76) About how much money did you spend on access and rental fees, such as launch fees, boat rental, and rental equipment, in Indiana during your most recent boating trip, AT THE BODY OF WATER?
- \$ \_\_\_\_\_

### BOATING INFORMATION

- 77) Would you be interested in more information on boating in Indiana?
- Yes
  - No (Skip to demographic questions)
  - Don't know (Skip to demographic questions)



- 78) What types of information on boating would you be interested in receiving? We are not sending out information at this time; we are simply gauging interest. (Read list; Check all that apply)
- Nautical maps and charts
  - Access information on boat ramp locations
  - Fishing information
  - Wildlife information
  - Basic seamanship
  - Boating safety courses
  - Boating safety in general
  - Boating rules and regulations
  - Indiana DNR boating programs
  - Any others
- 79) What would be the best ways to provide you with information on boating? (Open-ended; Check all that apply)
- I don't want any information
  - Direct mail
  - Internet/WWW
  - Newspapers
  - Magazines
  - TV
  - Radio
  - Indiana DNR district offices
  - Regulations handbook
  - License agent/sporting goods store/marinas
  - Law enforcement/conservation officers
  - Other
  - Don't know

## DEMOGRAPHICS

Finally, I would like to ask you some background questions to help us analyze the results.

- 80) How important is outdoor recreation to you personally? Would you say it is very important, somewhat important, or not at all important?
- Very important
  - Somewhat important
  - Not at all important
  - Don't know



- 81) How important are boating and water-related activities to you personally? Would you say they are very important, somewhat important, or not at all important?
- Very important
  - Somewhat important
  - Not at all important
  - Don't know
- 82) Do you consider your place of residence to be a large city, a suburban area, a small city/town, a rural area not on a farm/ranch, or a rural area on a farm/ranch?
- Large city or urban area
  - Suburban area
  - Small city or town
  - Rural area not on a farm/ranch
  - Rural area on a farm/ranch
  - Refused
- 83) How long have you lived in Indiana?
- —
- 84) Were you born in Indiana?
- Yes
  - No
- 85) What is your county of residence?
- \_\_\_\_\_
- 86) What is your marital status?
- Married
  - Single
  - Refused
- 87) What are the total number of children under age 18 living in your household?
- —
- 88) Which of these categories best describes your profession? (Read list)
- Agriculture/farming
  - Construction/development
  - Clerical/Office
  - Computer/Technical
  - Finance/Insurance
  - Health care
  - Industry
  - Teaching/education
  - Transportation
  - Retired
  - Other



- 89) What is the highest grade level you have completed in school?  
Less than a high school degree  
High school diploma  
Some college/trade school  
College graduate  
Graduate school degree
- 90) Which of these categories best describes your total household income before taxes last year?  
Under \$15,000  
\$15,000 - \$29,999  
\$30,000 - \$44,999  
\$45,000 - \$59,999  
\$60,000 - \$74,999  
\$75,000 - \$89,999  
\$90,000 or over  
Don't know  
Refused
- 91) Are you of Hispanic or Latino ethnicity?  
Yes  
No  
Don't know  
Refused
- 92) What race or ethnic background do you consider yourself?  
Hispanic  
White  
African-American  
Native American  
Asian American  
Don't know  
Other  
Refused
- 93) Finally, may I ask your age?  
\_\_\_\_\_
- 94) Observe and record gender.  
Male  
Female  
Uncertain



### APPENDIX C

#### 2004 Trails Designate Survey – Survey America

##### What trail activities do you participate in the majority of the time?

(Multiple responses allowed)

- |  |                      |                            |
|--|----------------------|----------------------------|
| Walking/running                        | Hiking/backpacking   | Touring bicycling          |
| In-line skating                        | Cross country skiing | Snowmobiling               |
| Mountain bike riding                   | Canoeing/kayaking    | Horseback riding           |
| Off-road motorcycle riding             |                      | All-terrain vehicle riding |
| 4-wheel drive off road vehicle driving |                      | Other                      |

##### What are the primary reasons why you don't use recreational trails more often?

(Only asked of those who use trails once a week or less)

(Multiple responses allowed)

- |  |                     |             |
|--|---------------------|-------------|
| Not enough time                              | Trails too far away | Poor health |
| Too old                                      | Physically disabled |             |
| Trails need to be in better condition        |                     |             |
| Need stricter rules on who can use trails    |                     |             |
| Need better historical & environmental info  |                     |             |
| Need more facilities (restrooms, shelters)   |                     |             |
| Need more parking at trailheads              |                     |             |
| Need more professional guides available      |                     |             |
| Need better access for users with disability |                     |             |
| Lack of safety on trails                     |                     |             |
| I don't know where trails are located        |                     |             |
| Other  |                     |             |

##### The following questions allowed responses of:

- |                       |                     |         |
|-----------------------|---------------------|---------|
| Not interested at all | Not very interested | Neutral |
| Somewhat interested   | Very interested     |         |

##### Please select your level of interest in participating in the following activity:

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| Day hike in the wilderness          | Overnight backpack hiking       |
| Walk on a public trail in your city | Bicycling within your city/town |
| Bicycling outside your city/town    | Horseback riding                |
| Snowmobiling                        | Cross-country skiing            |
| Running or jogging                  | Canoeing                        |
| Off-road motorcycling               | All-terrain vehicle riding      |
| Off road 4-wheel drive riding       | In-line skating                 |

##### The following questions allowed responses of:

- |                      |                    |         |
|----------------------|--------------------|---------|
| Not important at all | Not very important | Neutral |
| Somewhat important   | Very important     |         |

##### How important/unimportant do you feel the following trail issues are?

- |                                  |                                     |
|----------------------------------|-------------------------------------|
| Building more trails             | Building long distance trails       |
| Linking together existing trails | Paving trail with asphalt           |
| Designating roads as bike routes | Developing bike commuting trails    |
| Developing trails close to home  | Developing trails for motorized use |
| Publishing trail map guides      | Acquiring more land for trails      |
| Designating a funding source     | Improve trails for the disabled     |





## APPENDIX D

### APPENDIX D

#### 2004 Recreation Issues Survey – Ball State University

We would like to ask you about the issues surrounding local provision of parks and recreation in your community. Thank you for your responses.

1. Which of these do you have in your community? Please check all that apply:

- Park and Recreation Department
- Park Board (or Park and Recreation Board)

2. Which of these best describes you, the respondent? Please fill in one box:

- Employee of Municipal Park and Recreation Department
- Employee of Township Park and Recreation Department
- Employee of County Park and Recreation Department
- Member of Park Board
- Other (please describe):

\_\_\_\_\_

3. Which level of government is the park department with which you are associated? (Check one)

- County
- Township
- Municipal (City or town)
- Other (please explain)

\_\_\_\_\_

4. What is the approximate size of the population served by the park department with which you work?

- 4,999 or less
- 5,000-9,999
- 10,000-49,999
- 50,000-149,999
- 150,000 or more

5. Overall, what are the biggest issues your park department faces in planning for the future?

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

6. Are there any groups of people in your community that are a priority or main focus for the park and recreation department (e.g., age groups, persons with disabilities, socioeconomic groups, racial or ethnic groups, etc.)?

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

*Park Department Activities*

7. How does the park department promote its programs/services? Check all that apply:

- |  |   |                                     |
|--|---|-------------------------------------|
| <input type="checkbox"/> Pamphlets or Flyers             | <input type="checkbox"/> Newspapers               | <input type="checkbox"/> Newsletter |
| <input type="checkbox"/> Direct Mail                     | <input type="checkbox"/> Radio                    | <input type="checkbox"/> Television |
| <input type="checkbox"/> Web Site                        | <input type="checkbox"/> Park and Recreation Logo |                                     |
| <input type="checkbox"/> Informational Signs or Displays |   |                                     |
| <input type="checkbox"/> None of the above               | <input type="checkbox"/> Other (please describe)  |                                     |

8. Does the park department coordinate with any of these local groups to provide recreation?

	Yes, frequently	Occasionally	No, not at all
Local Schools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Civic Organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volunteer Groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clubs and Organizations, e.g., Little League	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commercial Recreation Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Private Industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-profit Recreation Providers, e.g., YMCA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conventions and Visitors Bureau	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Units of Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neighborhood Associations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special Interest Groups	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Health Care Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



9. In the next 5 years, does the park department expect to **add any new capital projects** from the following list to your park and recreation areas? Please check all that apply:

List A: Land Development	List B: Sports and Activities	List C: Buildings/Infrastructure
<input type="checkbox"/> New land acquisition <input type="checkbox"/> Single-use trail <input type="checkbox"/> Multi-use trail <input type="checkbox"/> Rails-to-trails project <input type="checkbox"/> Nature/interpretive trail <input type="checkbox"/> Water access, e.g. boat ramp <input type="checkbox"/> Wetland or Pond <input type="checkbox"/> Garden or Picnic area <input type="checkbox"/> Drainage/irrigation/flood control project	<input type="checkbox"/> Basketball/volleyball court <input type="checkbox"/> Baseball/softball diamond <input type="checkbox"/> Soccer field/athletic field <input type="checkbox"/> Tennis court <input type="checkbox"/> Playground <input type="checkbox"/> Skatepark <input type="checkbox"/> Dog Park <input type="checkbox"/> Archery or shooting range <input type="checkbox"/> Community Center <input type="checkbox"/> Senior Center	<input type="checkbox"/> Parking lot <input type="checkbox"/> Indoor recreational facility <input type="checkbox"/> Lighting system <input type="checkbox"/> Maintenance building <input type="checkbox"/> Shelter house <input type="checkbox"/> Administrative building <input type="checkbox"/> Other buildings (e.g., restrooms, concession stand, nature center) <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Aquatic Facility <input type="checkbox"/> Campgrounds

10. In the next 5 years, do you expect to **renovate/refurbish** any of the following? Please check all that apply:

List A: Land Development	List B: Sports and Activities	List C: Buildings/Infrastructure
<input type="checkbox"/> Single-use trail <input type="checkbox"/> Multi-use trail <input type="checkbox"/> Rails-to-trails project <input type="checkbox"/> Nature/interpretive trail <input type="checkbox"/> Water access, e.g. boat ramp <input type="checkbox"/> Wetland or Pond <input type="checkbox"/> Garden or Picnic area <input type="checkbox"/> Drainage/irrigation/flood control project	<input type="checkbox"/> Basketball/volleyball court <input type="checkbox"/> Baseball/softball diamond <input type="checkbox"/> Soccer field/athletic field <input type="checkbox"/> Tennis court <input type="checkbox"/> Playground <input type="checkbox"/> Skatepark <input type="checkbox"/> Dog Park <input type="checkbox"/> Archery or shooting range <input type="checkbox"/> Community Center <input type="checkbox"/> Senior Center	<input type="checkbox"/> Parking lot <input type="checkbox"/> Indoor recreational facility <input type="checkbox"/> Lighting system <input type="checkbox"/> Maintenance building <input type="checkbox"/> Shelter house <input type="checkbox"/> Administrative building <input type="checkbox"/> Other buildings (e.g., restrooms, concession stand, nature center) <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Aquatic Facility <input type="checkbox"/> Campgrounds



11. Please select the top three issues of importance to your park and recreation agency: Please rank 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>:

- Staffing
- Staff training and development
- Competition from other recreation providers
- Level of public participation
- Land for recreation
- Amount of facilities available
- Perceived value of parks and recreation
- Number of programs offered
- Communication issues
- ADA Compliance
- Safety

12. Which projects/programs are the first to be eliminated when budget cuts are inevitable? (Please check one):

- Mow less grass
- Hire fewer people/let people go
- Stop offering programs
- Cut back on or cancel capital projects
- Maintain facilities less
- Close recreational facilities
- Sell park properties
- Other: \_\_\_\_\_

13. What alternative funding strategies is your park department pursuing for the future? (Check all that apply):

- Friends of parks group
- Park foundation
- Donations
- Fees
- Public-private partnerships
- Grants
- Sponsorships
- Taxes
- Fundraising
- Other \_\_\_\_\_

14. What is the 2003 legally appropriated budget for your park and recreation department? \_\_\_\_\_

15. How many years have you worked in/with the parks and recreation profession?  
\_\_\_\_\_

16. What is your gender:  Male  Female

17. What is your zip code? \_\_\_\_\_



18. Please respond to the following by circling the number that most applies to your park system:

	Strongly Agree	Agree	Neither agree nor disagree	Disagree	Strongly Disagree
My park board members see outdoor recreation as essential to the economic health of my community.	1	2	3	4	5
Our town council members (or county commissioners) see outdoor recreation as essential to the economic health of my community.	1	2	3	4	5
Recreation is perceived as valuable to people in my community.	1	2	3	4	5
People in my community support spending for parks and recreation.	1	2	3	4	5
My park board members see outdoor recreation as contributing to the overall health of the citizens in this community.	1	2	3	4	5
Our town council members (or county commissioners) see outdoor recreation as contributing to the overall health of the citizens in this community.	1	2	3	4	5
Bringing facilities into ADA compliance is a concern for my agency.	1	2	3	4	5
My agency regularly markets/promotes facilities and programs to the community.	1	2	3	4	5
Coordinating volunteers for parks and recreation in our community is a challenge.	1	2	3	4	5
My park department does very well responding to the recreational needs of my community.	1	2	3	4	5
My park and recreation system helps to attract people into my community.	1	2	3	4	5



Demand for outdoor recreation is growing faster than we can develop recreational opportunities.	1	2	3	4	5
My park and recreation system is helping to keep residents here.	1	2	3	4	5
The park systems throughout the state are helping to keep residents in Indiana.	1	2	3	4	5

19. Do you have any other comments or feedback?

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***Thank you for your time.***

***Please return to Amy Sheaffer, NREM Dept., WQ 114, Ball State University, Muncie, IN 47306.***



## APPENDIX E

# Trail Issues Survey



Dear Respondent,

The Department of Natural Resources' Division of Outdoor Recreation is conducting a Trails Issues Survey for inclusion in the 2005-2009 SCORP. Because of your involvement in planning trail management and/or administration, the study committee has selected you as a potential respondent. The results of this study will help determine the issues facing Indiana in terms of trail usage, service area demographics, specific trail attitudes, design/planning and development, legislative concerns, funding sources for development/maintenance, trail safety and communication.

Please take a few minutes to complete the survey and return it to the vendors name by date to be set by committee in the self-addressed stamped envelope. Some questions request more than one response, **but please only give one response if stated in the question.** Note the special instructions for question # 5 if a "Not Applicable" response is given. We also encourage everyone to give additional comments related to trail issues.

Thank you for your valuable input,

Trails Issues Study Committee

1. In what county/counties does your organization operate?

\_\_\_\_\_ or  Statewide

2. What is the population of your service area?

- 4,999 or less       5,000 to 9,999       10,000 to 49,999  
 50,000 to 149,000       150,000 or more       Not applicable

3. What best describes your organization?

- City       County       Township       State       Not-for-profit  
 Federal       Other \_\_\_\_\_

4. What approximate percentage (%) of your total annual operating budget is used for trails?

- 0 to 5       6 to 10       11 to 15       16 to 20       21 to 25  
 26 to 30       31 to 35       36 to 40       41 to 45       46 to 50  
 Greater than 50       Not applicable



5. Please indicate how many miles are in your trail system? (excluding sidewalks)  
 \_\_\_\_\_miles  Not applicable (then please GO TO QUESTION #7)

6. a. What is the type of use that your system provides? (Check all that apply)

<input type="checkbox"/> Motorcycling	<input type="checkbox"/> Mountain biking	<input type="checkbox"/> Hiking (natural surface)
<input type="checkbox"/> Cross-country skiing	<input type="checkbox"/> Canoeing/kayaking	<input type="checkbox"/> Off-road motorized (vehicle riding)
<input type="checkbox"/> Skating	<input type="checkbox"/> Horseback riding	<input type="checkbox"/> Bicycling (paved hardened surface)
<input type="checkbox"/> Snowmobiling	<input type="checkbox"/> Walking/running	<input type="checkbox"/> Other _____

b. What is your perceived rate of trail use?  Low  Medium  High  Do not know

c. What is the estimated rate of use per month? (a numerical value) \_\_\_\_\_

7. Indicate the importance your organization places upon providing the following trail use opportunities: (Check all that apply)

<u>Type of trail operation</u>	<u>Level of Importance</u>				
	Will Not Consider	Not Important	Somewhat Important	Very Important	No Opinion
Cross-country skiing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bicycling (paved hardened surface)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mountain biking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Motorcycling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Off-road motorized (vehicle riding)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canoeing/kayaking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horseback riding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hiking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Walking/running	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Skating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Snowmobiling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. What type of trail surface do you prefer to walk on? (Check the SINGLE response that MOST applies)

- |                                      |  |                                   |
|--------------------------------------|--|-----------------------------------|
| <input type="checkbox"/> Native soil | <input type="checkbox"/> Wood chips    | <input type="checkbox"/> Asphalt  |
| <input type="checkbox"/> Sand        | <input type="checkbox"/> Crushed Stone | <input type="checkbox"/> Concrete |

	Not Important	Somewhat Important	Very Important	Do Not Consider	Not Applicable
9. What is your organization's view towards land acquisition for trail development?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree
10. Do you believe that trails should be an important part of your community's infrastructure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree
11. Developing trails that serve high-density populations should be a higher priority than developing trails that serve less dense populations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Multi-use natural surface trail designs could include off-road motorized vehicle use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Roadway improvements that incorporate bicycle/pedestrian facilities (e.g., sidewalks, bike lanes, trails, etc.) are important for trail expansion and providing modes of alternative transportation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. There is adequate information available describing how to determine optimal construction materials and essential trail features.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Standardized signs and symbols should be used throughout the State to designate trail activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Trail developments and renovations must comply with the latest ADA accessibility standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Interpretive signage along trails is important.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. There should be State tax incentives to individual citizens and public utilities for their participation in land acquisition for trails.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. There should be State legislation that supports the acquisition of former railroad corridors for the development of trails.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Support for a trail project is often demonstrated by including the project in various local plans. Please indicate if any of the following planning documents include reference to your trail project(s):					
<input type="checkbox"/> Trail/greenway plan	<input type="checkbox"/> Park and recreation master plan				
<input type="checkbox"/> Transportation plan	<input type="checkbox"/> Economic development plan				
<input type="checkbox"/> Land use plan	<input type="checkbox"/> Area comprehensive plan				
<input type="checkbox"/> Historic/cultural plan	<input type="checkbox"/> Other type of plan _____				



21. When planning and designing trails, do you try to connect community destinations such as schools, recreation facilities, commercial districts, and cultural and historic sites? (Check the SINGLE response that MOST applies)

- YES
- NO time to plan and design trails for connecting community destinations
- NO funding (includes hiring outside consultant) to plan and design trails for connecting community destinations
- NO interest in the community to connect community destinations
- NO, community destinations are too spread out to consider
- Not applicable

22. Is your community included in a regional trails plan that includes connections to other communities? (Check the SINGLE response that MOST applies)

- YES
- NO regional plan for trails/trail networks
- NO funds for a regional trail
- NO interest in regional trails
- Do Not Know
- Not applicable

	Strongly Disagree	Disagree	No Opinion	Agree	Strongly Agree
23. There needs to be a coordinated effort between trail development and public transit services (e.g., buses and rail lines) to provide viable transportation alternatives.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Current funding for trail development in Indiana is adequate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Adjoining landowners and businesses must be involved in planning for trail development and management.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26. There is a need for more research to identify common problems and possible solutions to trail development, planning, and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27. In terms of need for your service population, trail development is less important than other facility development.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28. During the design phase of your trails, what resources do you use to address user safety and crime prevention? (Check all that apply)					
<input type="checkbox"/> Public information/literature					
<input type="checkbox"/> Rely upon consultants					
<input type="checkbox"/> Emergency response personnel/safety experts					
<input type="checkbox"/> Community input					
<input type="checkbox"/> Not applicable					
<input type="checkbox"/> Other _____					



29. Do you use the services of engineers, landscape architects, and/or urban/regional planners when you develop a trail system?
- |  |  |   |
|--|--|---|
| <input type="checkbox"/> YES (please specify how)    | <input type="checkbox"/> NO (please specify why not) | <input type="checkbox"/> Not applicable |
| <input type="checkbox"/> In-house expertise on staff | <input type="checkbox"/> No funds                    |   |
| <input type="checkbox"/> Contract service            | <input type="checkbox"/> In future plans             |   |
| <input type="checkbox"/> Other _____                 | <input type="checkbox"/> Not deemed necessary        |   |
|  | <input type="checkbox"/> Other _____                 |   |
30. Does your organization use a specific set of guidelines for its **day-to-day** trail maintenance?
- YES
  - NO
  - In process of developing guidelines
  - Not applicable
31. Do you have a **long term** plan for funding trail maintenance and management?
- YES
  - NO
- If YES, how long? \_\_\_\_\_ years
- How is it funded? \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
32. Are health and wellness professionals (physicians, nurses, etc.) closely involved in the planning of your trails? (Check the SINGLE response that MOST applies)
- YES
  - NO, health and wellness professionals in community are not interested
  - NO time to involve them
  - NO, had not previously considered
  - NO, do not consider it necessary
  - NO, do not know how to involve them
  - Not applicable
  - Other (specify) \_\_\_\_\_
33. Effective planning and management of trails requires demographic information (i.e., age, sex, ethnicity, marital status, etc.) about current and future trail users. If you collect this type of information, then what method(s) do you use? (Check all that apply)
- The most current U.S. census information
  - Demographic information from current park and recreation master plan
  - We collect our own demographic information
  - Economic development information
  - Area comprehensive information
  - Land use information
  - Other (specify) \_\_\_\_\_
  - Do not use demographic information
  - Not applicable
34. Do you use multilingual signage on your trails?
- YES
  - In future plans
  - Do not intend to install
  - Not applicable



35. Do you publish trail maps including printable web based maps? (Check the SINGLE response that MOST applies)

- YES
- Not necessary due to small size of trail
- No funds available
- In future plans
- Not applicable

36. Are you using Universal Trail Assessment Program (UTAP) to evaluate trail difficulty and accessibility? (Check the SINGLE response that MOST applies)

- YES
- No time to implement
- Do not consider it necessary
- No funds available
- Not aware of UTAP assessment program
- In future plans
- Not applicable

37. Do you use volunteers for any of the following activities? (Check all that apply)

- Trail design
- Trail construction projects
- Trail maintenance
- Trail safety and security
- Do not use volunteers
- Not applicable
- Other (specify) \_\_\_\_\_

38. Do you install restrooms and water fountains as you develop trails? (Check the SINGLE response that MOST applies)

- YES
- NO funds available to install
- NO time available to maintain
- NO funds available to maintain
- NO, not necessary due to public restrooms/water fountains being available near by
- NO, do not see need
- Not applicable

39. What media do you use to promote your trail system? (Check all that apply)

- Website
- Informational booklet/brochure
- Radio/Television
- Presentations at schools, Rotary, scouts, etc.
- Special events (fairs, festivals, etc)
- Newspaper/magazines
- None
- Not applicable
- Other (specify) \_\_\_\_\_



40. Do you provide information on the benefits of trail use? (Check all that apply)
- Do not provide trail benefit information
  - Flyers/brochures/newsletters
  - Website
  - Presentations at schools, Rotary, scouts, etc.
  - Newspapers/magazines/professional journals
  - Other (specify) \_\_\_\_\_
  - Not applicable
41. How do you promote responsible trail use and ethics? (Check all that apply)
- Flyers /brochures/newsletters
  - Website
  - Presentations at schools, Rotary, scouts, etc.
  - Newspapers/magazines/professional journals
  - Trail maps
  - Trail signage
  - Other (specify) \_\_\_\_\_
  - Do not provide trail use/ethics information
  - Not applicable
42. Does your organization coordinate with other agencies and organizations for trail system development and management ? (Check all that apply)
- |   |  |
|---|--|
| <input type="checkbox"/> State government   | <input type="checkbox"/> Non-government organizations              |
| <input type="checkbox"/> City               | <input type="checkbox"/> Other _____                               |
| <input type="checkbox"/> County             | <input type="checkbox"/> NO, do not coordinate with other agencies |
| <input type="checkbox"/> Township           | <input type="checkbox"/> Not applicable                            |
| <input type="checkbox"/> Federal government |  |
43. Do you feel legislative action will assist in the further development of multi-use trail networks?
- Definitely will not help
  - Probably will not help
  - No opinion
  - Probably will help
  - Definitely will help
44. Does your community have ordinances and regulations that facilitate trail development?
- |   |   |
|---|---|
| <input type="checkbox"/> YES - what type? (Check all that apply)        | <input type="checkbox"/> NO             |
| <input type="checkbox"/> Trail/park impact fees                         | <input type="checkbox"/> Not applicable |
| <input type="checkbox"/> Land use zoning                                |   |
| <input type="checkbox"/> Land development set asides (trails and parks) |   |
| <input type="checkbox"/> Other (specify) _____                          |   |

Thank you for participating in the Department of Natural Resources,  
 Division of Outdoor Recreation's Trails Survey for the 2005-2009 Trails Plan.  
 We would like to have any additional comments you may have.  
 Please use the back of this survey for additional comments.



Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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## APPENDIX F

*Indiana regions and the counties within*

<b>Region</b>	<b>Counties within Region</b>	<b>Region</b>	<b>Counties within Region</b>
1A	Lake, LaPorte, Porter	8	Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, Shelby
1B	Jasper, Newton, Pulaski, Starke, White	9	Fayette, Rush, Union, Wayne
2	Elkhart, Kosciusko, Marshall, St. Joseph	10	Monroe, Owen
3A	Huntington, LaGrange, Noble, Steuben, Whitley	11	Bartholomew, Brown, Decatur, Jackson
3B	Adams, Allen, DeKalb, Wells	12	Dearborn, Franklin, Jefferson, Jennings, Ohio, Ripley, Switzerland
4	Benton, Carroll, Clinton, Fountain, Montgomery, Tippecanoe, Warren	13A	Daviess, Greene, Knox, Lawrence, Martin
5	Cass, Fulton, Howard, Miami, Tipton, Wabash	13B	Gibson, Posey, Vanderburgh, Warrick
6	Blackford, Delaware, Grant, Henry, Jay, Madison, Randolph	14	Clark, Floyd, Harrison, Scott, Washington
7	Clay, Parke, Putnam, Sullivan, Vermillion, Vigo	15	Crawford, Dubois, Orange, Perry, Pike, Spencer



## APPENDIX G

### *Universal Design*

The design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.

The authors, a working group of architects, product designers, engineers and environmental design researchers, collaborated to establish the following Principles of Universal Design to guide a wide range of design disciplines including environments, products, and communications. These seven principles may be applied to evaluate existing designs, guide the design process and educate both designers and consumers about the characteristics of more usable products and environments.

The Principles of Universal Design are presented here, in the following format: name of the principle, intended to be a concise and easily remembered statement of the key concept embodied in the principle; definition of the principle, a brief description of the principle's primary directive for design; and guidelines, a list of the key elements that should be present in a design which adheres to the principle. (Note: all guidelines may not be relevant to all designs.)

#### **PRINCIPLE ONE: Equitable Use**

The design is useful and marketable to people with diverse abilities.

Guidelines:

- 1a. Provide the same means of use for all users: identical whenever possible; equivalent when not.
- 1b. Avoid segregating or stigmatizing any users.
- 1c. Provisions for privacy, security, and safety should be equally available to all users.
- 1d. Make the design appealing to all users.

#### **PRINCIPLE TWO: Flexibility in Use**

The design accommodates a wide range of individual preferences and abilities.

Guidelines:

- 2a. Provide choice in methods of use.
- 2b. Accommodate right- or left-handed access and use.
- 2c. Facilitate the user's accuracy and precision.
- 2d. Provide adaptability to the user's pace.

#### **PRINCIPLE THREE: Simple and Intuitive Use**

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.

Guidelines:

- 3a. Eliminate unnecessary complexity.
- 3b. Be consistent with user expectations and intuition.
- 3c. Accommodate a wide range of literacy and language skills.
- 3d. Arrange information consistent with its importance.
- 3e. Provide effective prompting and feedback during and after task completion.



**PRINCIPLE FOUR: Perceptible Information**

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.

## Guidelines:

- 4a. Use different modes (pictorial, verbal, tactile) for redundant presentation of essential information.
- 4b. Provide adequate contrast between essential information and its surroundings.
- 4c. Maximize "legibility" of essential information.
- 4d. Differentiate elements in ways that can be described (i.e., make it easy to give instructions or directions).
- 4e. Provide compatibility with a variety of techniques or devices used by people with sensory limitations.

**PRINCIPLE FIVE: Tolerance for Error**

The design minimizes hazards and the adverse consequences of accidental or unintended actions.

## Guidelines:

- 5a. Arrange elements to minimize hazards and errors: most used elements, most accessible; hazardous elements eliminated, isolated, or shielded.
- 5b. Provide warnings of hazards and errors.
- 5c. Provide fail safe features.
- 5d. Discourage unconscious action in tasks that require vigilance.

**PRINCIPLE SIX: Low Physical Effort**

The design can be used efficiently and comfortably and with a minimum of fatigue.

## Guidelines:

- 6a. Allow user to maintain a neutral body position.
- 6b. Use reasonable operating forces.
- 6c. Minimize repetitive actions.
- 6d. Minimize sustained physical effort.

**PRINCIPLE SEVEN: Size and Space for Approach and Use**

Appropriate size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility.

## Guidelines:

- 7a. Provide a clear line of sight to important elements for any seated or standing user.
- 7b. Make reach to all components comfortable for any seated or standing user.
- 7c. Accommodate variations in hand and grip size.
- 7d. Provide adequate space for the use of assistive devices or personal assistance.

Please note that the Principles of Universal Design address only universally usable design, while the practice of design involves more than consideration for usability. Designers must also incorporate other considerations such as economic, engineering, cultural, gender, and environmental concerns in their design processes. These



Principles offer designers guidance to better integrate features that meet the needs of as many users as possible.

"The Principles of Universal Design were conceived and developed by The Center for Universal Design at North Carolina State University. Use or application of the Principles in any form by an individual or organization is separate and distinct from the Principles and does not constitute or imply acceptance or endorsement by The Center for Universal Design of the use or application."

The Principles of Universal Design should be cited as follows: "The Center for Universal Design (1997). The Principles of Universal Design, Version 2.0. Raleigh, NC: North Carolina State University."

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## APPENDIX H

Acronyms used in the SCORP

ABA – The Architectural Barriers Act of 1968

ADA – The Americans with Disabilities Act of 1990

ADAAG – The Americans with Disabilities Act Accessibilities Guidelines

DOR - Division of Outdoor Recreation

EPA – United States Environmental Protection Agency

EWRA – Emergency Wetlands Resources Act of 1986

HWCI – Hoosier Wetland Conservation Initiative

IDNR - Indiana Department of Natural Resources

IWCP – Indiana Wetlands Conservation Plan

IWRP – Indiana Wetlands Reserve Program

LWCF – Land and Water Conservation Fund

NPS – National Park Service

NRCS – Natural Resources Conservation Service

NSRE – National Survey on Recreation and the Environment

NWPCP – National Wetlands Priority Conservation Plan

SCORP - Statewide Comprehensive Outdoor Recreation Plan

UD – Universal Design

UFAS – Uniform Federal Accessibility Standards (from ABA 1968)

USDA - United States Department of Agriculture

USFS – United States Forest Service

USFWS – United States Fish and Wildlife Service