APPENDIX 3

Brochure

Workshops

Newsletters

Social Indicators Survey

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Important Facts about the Lower Fall Creek Watershed

- The Lower Fall Creek Watershed covers more than 65,000 acres and contains 126 stream miles.
- Approximately 53% of the land use considered to be urbanized areas while 38% of the watershed is used for agricultural purposes.
- Approximately 73,000 people live within the Lower Fall Creek Watershed.
- The Indiana Department of Environmental Management has indicated that Fall Creek is impaired by *E. coli* which can serve as a warning sign for public health risks.
- Fall Creek drains to the White River.

The Lower Fall Creek Watershed includes Fall Creek (from Geist Reservoir to White River), plus Devon Creek, Indian Creek, Indian Lake, Lawrence Creek, Minnie Creek, Mud Creek, Sand Creek, and Steele Ditch. The watershed project affects portions of Hamilton, Hancock, Madison, and Marion Counties.

Interested individuals are encouraged to contact the Marion SWCD office with questions or comments. Christopher B. Burke Engineering, Ltd. will be assisting the SWCD as Project Manager for the Lower Fall Creek Watershed Project.

The SWCD's intent is to develop a truly "grass roots" watershed group that seeks to improve the water quality conditions within the watershed by involving citizens, neighborhood groups, local and state government agencies, and others within the watershed area.

Marion County Soil and Water Conservation District
6960 S Gray Road, Suite C
Indianapolis, IN 46237

Phone: 317-786-1776
Fax: 317-786-1757
E-mail: ron-lauster@iaswcd.org
www.marionswcd.org

Funding for this brochure was provided through an Indiana Department of Environmental Management 319 grant awarded to the Marion County SWCD.

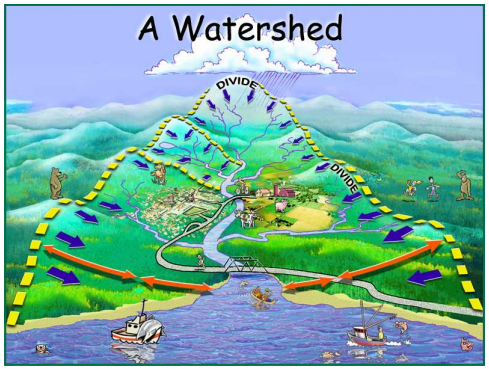
Lower Fall Creek Watershed Management Planning Effort

Developing a Watershed Management Plan will identify water quality impairments in the Lower Fall Creek Watershed while engaging a diverse group of stakeholders in the implementation of sustainable and local solutions.

Lower Fall Creek Watershed

What is the Lower Fall Creek Watershed?

A watershed is an area of land that collects and drains water to a specific point. In this case, Fall Creek. Precipitation such as rain and snow moves through the landscape from the highest point to the lowest point for that area.



The Lower Fall Creek Watershed drains portions of Hancock, Hamilton, Madison, and Marion Counties; as well as portions of the Town of Fishers, the City of Indianapolis, the Town of McCordsville, and the City of Lawrence. A map of the Lower Fall Creek Watershed (the area within the dark blue outline) has been provided for you inside this brochure.

A Watershed Management Plan (WMP) is a document that examines water resource issues and provides specific actions to address those issues based on the values and the needs of the community. The Marion County SWCD has been awarded grant funds to prepare a WMP for the Lower Fall Creek Watershed as it is a highly utilized recreational and drinking water resource.

Where do these pollutants come from?

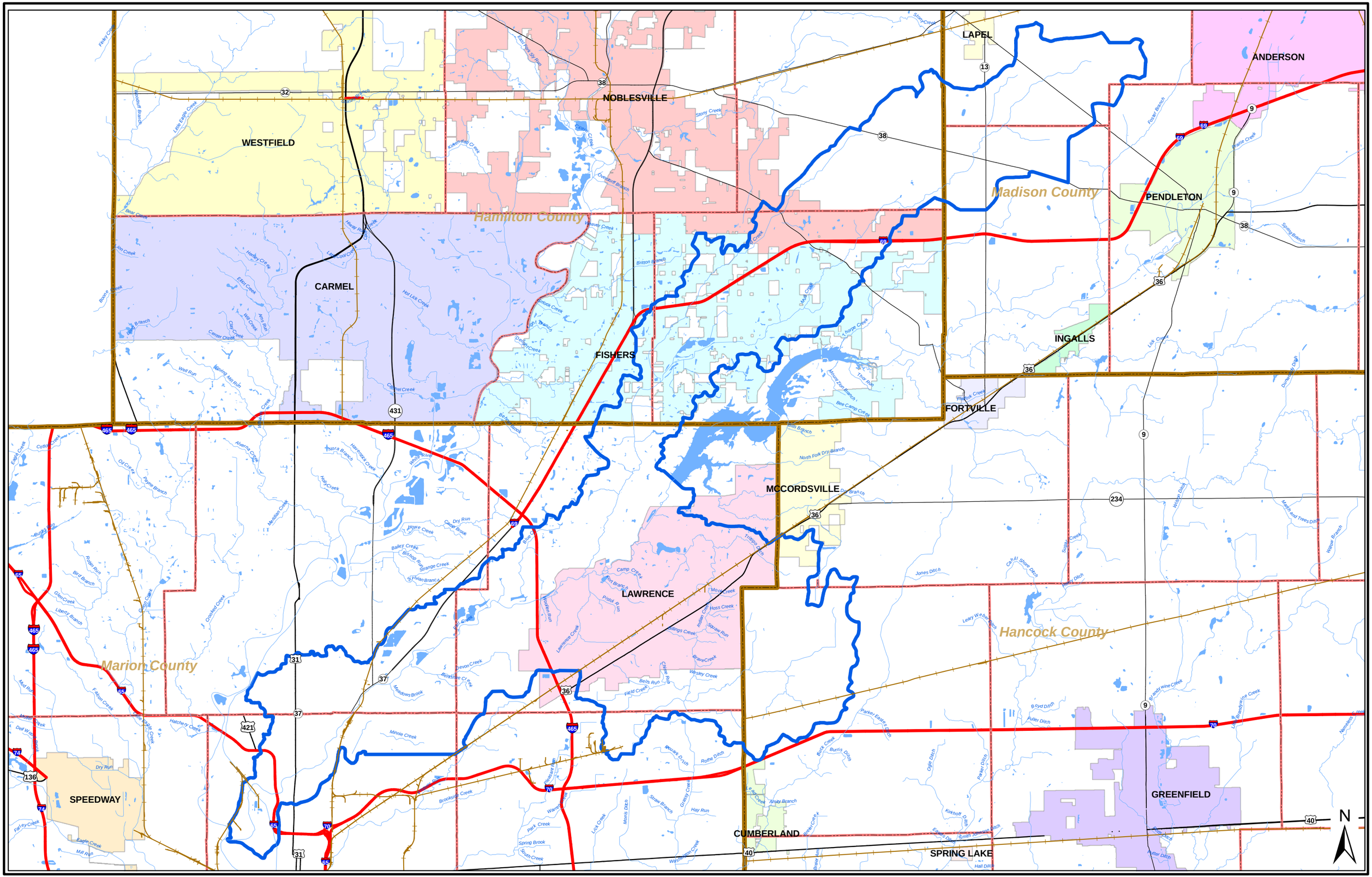
Human activities have a significant effect on the quality of the water moving through the system. Excess pollutants such as sediment, bacteria, oils & grease, and nutrients may be collected and the volume and velocity of the water entering Fall Creek may be increased due to these interactions.

Land Development: During the construction phases, bare soil may be exposed leading to increased erosion from the site. Runoff from impervious surfaces may contain increased amounts of oils & greases from automobiles, road-deicing additives, pesticides & nutrients, as well as thermal pollution from heat retaining surfaces such as asphalt.

Combined Sewer Overflows *(CSO):* Combined sewer systems carry both sewage and stormwater during high water events. Raw sewage depletes oxygen in the streams needed for fish to survive. High bacteria levels from untreated sewage make streams unsafe for adults and children to fish, swim, or play in.

Agriculture*:* Activities associated with livestock and crop production may introduce pesticides, nutrients (such as phosphorus and nitrogen), pathogens (such as *E. coli*), and sediment to streams and water courses within the watershed.

Septic Systems*:* When septic systems fail, excess nutrients and pathogens are potentially released directly into the streams and tributaries to the Lower Fall Creek.


WESTFIELD
NOBLESVILLE
LAPEL
ANDERSON
Hamilton County
Madison County
PENDLETON
CARMEL
FISHERS
INGALLS
FORTVILLE
MCCORDSVILLE
LAWRENCE
Marion County
Hancock County
SPEEDWAY
GREENFIELD
CUMBERLAND
SPRING LAKE
N

Event Sponsors

- **Aquatic Control, Inc**
- **Christopher B. Burke Engineering**
- **Hoosier Heartland RC&D**
- **Indiana Lakes Management Society**
- **Indiana Wildlife Federation**
- **Lower Fall Creek Watershed Alliance**
- **SePRO Corporation**
- **Soil & Water Conservation Districts in Boone, Brown, Hamilton, Hendricks, Hancock, Johnson, Marion, Monroe, Morgan, and Shelby Counties.**
- **USDA- Natural Resources Conservation Service**

This Shoreline Stewardship workshop is being facilitated by the Marion County and Hamilton County Soil & Water Conservation Districts (SWCDs) working with the sponsors listed above. Districts have been dedicated to conserving and improving soil, water, and related natural resources of their respective counties for over 35 years. This workshop is just one of the many ways districts promote wise land use and work to improve water quality in their counties.

If you have questions or concerns about the workshop contact the Marion Co. SWCD by phone at 317-786-1776.

Location

To get to the Garrison, take the E. 56 St. exit off of I-465 in the Northeast part of Indianapolis. Continue east on 56th St. to Post Rd., Turn left and continue going north to Shafter Rd. then turn right or east until you get to the entrance of the Garrison & Golf Course.

Marion Co. Soil & Water Conservation District

6960 South Gray Rd, Suite C

Indianapolis, IN 46237

www.marionswcd.org

Shoreline Stewards Workshop

Ecological Solutions for Sound Shoreline Management ...

for lakes, ponds, streams, & rivers

Thursday Evenings 7:00 - 9:00 p.m.
On June 12 & August 21, 2008

Classes held at
The Garrison at
Fort Benjamin Harrison State Park
6002 North Post Road,
Indianapolis, Indiana

Hosted by-
Hoosier Heartland Resource Conservation & Development (RC&D) Council, Inc.

Indiana Lake Management Society (ILMS)

Marion & Hamilton County Soil & Water Conservation Districts

Funded in part by an Indiana Department of Environmental Management (IDEM) 319 grant and an ISDA State Soil Conservation Board (SSCB) Clean Water Indiana (CWI) grant.

SHORELINE STEWARDS WORKSHOP - INDIANAPOLIS, INDIANA

The Garrison at Fort Ben

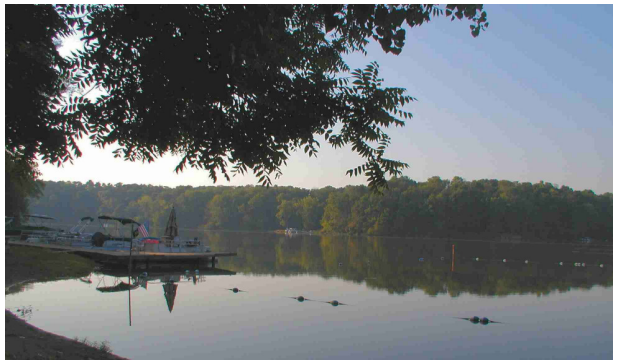
6002 North Post Road
Indianapolis, IN

The Shoreline Stewardship Workshop is an ideal opportunity for landowners, homeowners, home owner associations and other property managers who are interested in protecting and restoring the valuable natural resources at the waters edge. Worksheets will be provided to assist with common resource concerns such as nutrient management, pest management, and erosion and sediment control.

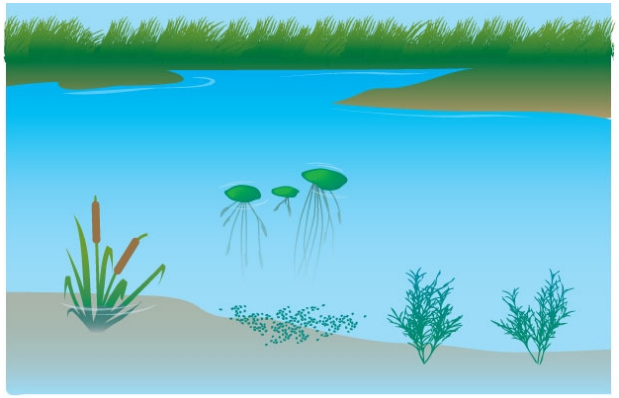
The focus of this program will be to provide valuable information to help attendees develop a management plan for their body of water shoreline area with the following elements:

- An inventory and assessment of the resources
- A developed management plan
- A list of action items to apply the plan
- An operation and maintenance schedule

The workshop will consist of two evening sessions covering two topics per night.



MARION COUNTY
SOIL AND WATER
CONSERVATION DISTRICT



Agenda

Session 1: Thursday, June 12th , 7-9 pm

- Assessing Your Shoreline Situation: An Inventory
  Mark Mongin, SePRO Corporation
- Developing A Stewardship Plan: Why & How
  Heather Buck, Christopher B. Burke Engineering, LTD

Session 2: Thursday, August 21st , 7-9 pm

- Implementing A Plan:
  A Brief Discussion– Heather Buck
- Topical Experts Plan Reviews– Roundtable Sessions
- Plan Monitoring and Maintenance- Mark Mongin

Our sponsors will be providing refreshments each evening

The Hoosier Heartland RC&D Council, Inc. and our partnering organizations are equal opportunity providers and employers.

Registration Form:

Workshop is limited to 50 and registrations will be accepted on a first-come first-serve basis.

Name: _____

Representing: _____

Address: _____

_____

Daytime Phone: _____

Email: _____

Number Attending ___ X $30/person =

Total Enclosed $ _____

Please send a check payable to the Marion County SWCD and mail to:

Marion County SWCD
6960 S. Gray Road, Suite C
Indianapolis, IN 46237

Registration Deadline is Thursday June 5th

Please note no refunds can be made after Thursday, June 5th.

Register Now!

LOWER FALL CREEK WATERSHED ALLIANCE

FREE

BACKYARD CONSERVATION WORKSHOP

Broadway United Methodist Church
609 East 29th Street
November 12, 2008
6:30 pm - 8:00 pm

- The workshop is **FREE** but pre-registration is required.
- The workshop will be limited to the first **25** registrations.
- Others interested will be placed on a waiting list and will be contacted regarding future opportunities.

Attend this workshop to learn what you can do in your own backyard to protect the water quality of Fall Creek, beautify your neighborhood, attract birds and butterflies, and save money and time!

You will receive a barrel and required parts to create your own FREE rain barrel (minimal assembly will be required). Rain barrels are connected to your home's downspouts and rain water is stored in the barrel until needed for watering your lawn or flowers. This will help to reduce your monthly water bills in the summer!

You will also learn the benefits of planting native flowers, creating a backyard conservation area, and having your area certified by the Indiana Wildlife Federation as a backyard wildlife habitat!

To register for the workshop, contact:

Brooke Klejnot
Communications and Outreach Director
Mapleton-Fall Creek Development Corporation
130 East 30th Street
317-923-5514
brooke@mfcdc.org

Mapleton-Fall Creek Development Corporation

Marion County Soil & Water Conservation District

EDEN IN INDIANAPOLIS

Indiana Wildlife Federation

Indy Parks and Recreation

LOWER FALL CREEK WATERSHED ALLIANCE

Regulated Drains & Natural Waterways

Lapel Library
610 Main Street
Lapel IN
March 25, 2009
6:30 pm - 8:00 pm

Debris causing a log-jam

Agenda

Welcome and Opening Remarks

- *Heather Buck, Christopher B Burke Engineering*

Regulated Drain Overview

- *Kent Ward, Hamilton County Surveyor*

Log Jams and Permitting Issues

- *George Bowman, IDNR, Division of Water*

BREAK

USDA Funding Opportunities

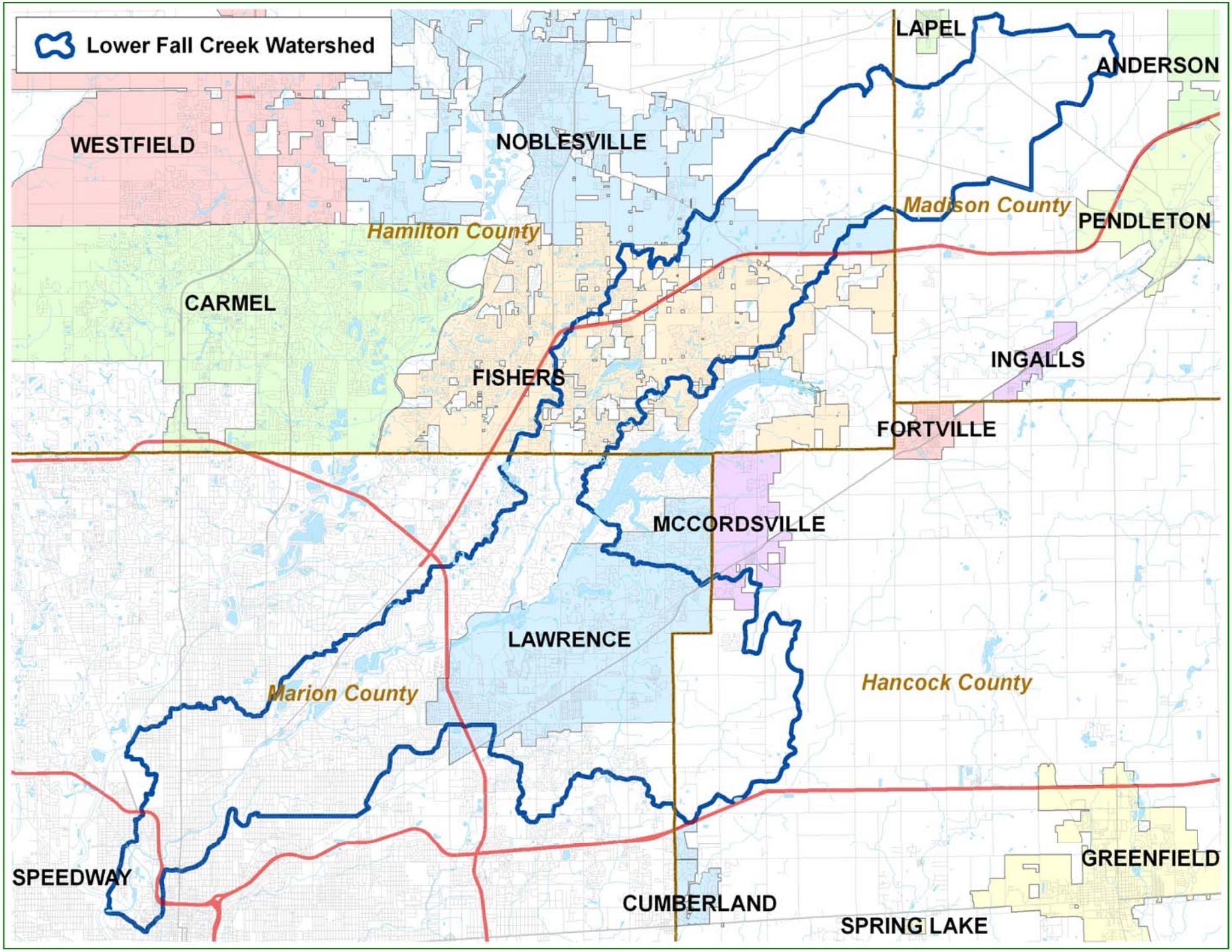
- *NRCS Representative*

2-Stage Ditch Design

- *John South, Hamilton County SWCD*

Newly constructed 2-stage ditch

The Marion County Soil and Water Conservation District was awarded an IDEM 319 grant to prepare a Watershed Management Plan for the Lower Fall Creek Watershed. This watershed covers portions of Hamilton, Hancock, Madison, and Marion Counties and is identified on the back of this flyer. For more information please contact the Marion SWCD at (317) 786-1776 or visit www.lowerfallcreek.org.


Lower Fall Creek Watershed
LAPEL
ANDERSON
WESTFIELD
NOBLESVILLE
Madison County
PENDLETON
Hamilton County
CARMEL
INGALLS
FISHERS
FORTVILLE
MCCORDSVILLE
LAWRENCE
Marion County
Hancock County
GREENFIELD
SPEEDWAY
CUMBERLAND
SPRING LAKE

Marion County Soil & Water Conservation District – News Release

Contact: Ron Lauster
Phone: 317-780-1765
Email: ron-lauster@iaswcd.org
Web site: www.marionswcd.org

News for Immediate Release

Marion County SWCD to Lead Planning Project for Large and Diverse Fall Creek Watershed

The Marion County Soil and Water Conservation District (SWCD) was awarded a Section 319 Nonpoint Source Pollution Management grant to study water quality in the Lower Fall Creek Watershed. Planning for this project began in the fall of 2006 and will wrap up with the development of a watershed management plan in May of 2009. The SWCD retained the professional services of Christopher B. Burke Engineering, Ltd. (CBBEL) to facilitate the planning process and prepare the watershed management plan.

The Lower Fall Creek Watershed is a large and diverse watershed that drains more than 65,000 acres of land in portions of Madison, Hamilton, Hancock, and Marion Counties. While 53% of the watershed has been developed for urban uses, 38% of the watershed remains in agricultural use. Water quality studies conducted by the Indiana Department of Environmental Management indicate that Fall Creek is impaired for *E.coli* from just downstream of Geist Reservoir to the confluence of the White River. In addition, water quality data collected in Hamilton County indicates that portions of Mud Creek, a tributary to Fall Creek, are also being impacted by the presence of *E.coli*. As with land uses, the sources of pollution associated with these water quality problems include both urban and agricultural sources, such as land application of manure, inadequately functioning septic systems, stormwater runoff, and combined sewer overflows.

The socioeconomic status of the Lower Fall Creek Watershed is equally diverse. Median household income in the southern portion of the watershed is less than $35,000, while median household income in the Hamilton County portion of the watershed exceeds $50,000.

In recognition of the unique challenges that such diversity presents, a Steering Committee has been established to guide the planning process. The Steering Committee is made of representatives from all four counties and includes representatives from municipalities, counties, economic development organizations, neighborhood associations, universities, and environmental groups. The Steering Committee conducted its Kick-Off Meeting on May 31, 2007 and will meet on a quarterly basis for the duration of the project.

A public meeting to announce the project is currently being planned and will likely be held in July. The meeting will introduce the project to the public and will solicit

participation in one of three working groups that will focus on water quality, land use, and public education in the watershed.

Once completed, the Lower Fall Creek Watershed Management Plan will identify and prioritize water quality problems and will establish an action plan to improve water quality and public awareness in the Lower Fall Creek Watershed.

For additional information, please contact Ron Lauster from the Marion County SWCD at 317-780-1765 or ron-lauster@iaswcd.org or Sheila McKinley from CBBEL at 317-266-8000 or smckinley@cbbel-in.com.

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LOWER FALL CREEK WATERSHED PLANNING
NEWSLETTER INFORMATION
07-06-07

Marion County SWCD Begins Lower Fall Creek Watershed Improvement Project

In the fall of 2006, the Marion County Soil & Water Conservation District (SWCD) submitted a Section 319 Non Point Source Program grant application to the Indiana Department of Environmental Management (IDEM) to develop a WMP for the Lower Fall Creek Watershed. The grant funds were awarded in March of 2007 and the Marion County SWCD retained the professional services of Christopher B. Burke Engineering, Ltd. (CBBEL) located in Indianapolis. CBBEL will assist in the development of the watershed plan steering committee, facilitate stakeholder discussions, collect and analyze water quality data, and serve as the primary author of the Watershed Management Plan.

A Watershed Management Plan (WMP) is a guiding document that examines the historical and existing water resource issues in a particular watershed and presents specific actions to address those water resource issues based on the values and needs of the community. The intent of the WMP is to provide better living conditions, economic viability, and environmental health benefits for those that reside in the watershed and for communities downstream. Developers of the WMP are interested stakeholders that investigate prior and existing watershed conditions, identify watershed priority areas, and formulate strategies for implementing specific actions. The WMP document represents the earnest efforts of the community to understand, analyze, and be an integral part of the solution to improve impaired water quality in the watershed. Furthermore, active community involvement in the development of the WMP helps to ensure that there is future commitment by the community to implement projects identified in the WMP.

Partnerships among water resource professionals and interested citizens are essential to the successful development and implementation of the Lower Fall Creek WMP. In recognition of the social, physical, and economic diversity that is present in the watershed a Steering Committee of local water resource experts was established to guide the development of the plan. The Lower Fall Creek Watershed Steering Committee will be the primary committee utilized to steer the overall direction of the Lower Fall Creek WMP. The Steering Committee will meet on a quarterly basis from May of 2007 through September of 2009 and include the following individuals and groups representing municipalities, counties, economic development organizations, neighborhood associations, universities, and environmental groups.

- **Chris Barnett**, Near North Development Corporation
- **Cindy Beckner,** Hancock SWCD
- **Crist Blassaras**, Madison SWCD
- **Victoria Cluck**, Indianapolis DPW
- **Angie Dye,** Veolia Water
- **Josh Goode**, Watershed Resident
- **Tina Jones**, Indy Parks
- **Lori Kaplan**, City of Lawrence DPW
- **Joe King,** Dirty Dozen Hunting & Fishing Club
- **Ron Lauster**, Marion SWCD
- **Bob Masbaum**, Indianapolis DPW
- **Donna Price**, Indianapolis DMD
- **John South**, Hamilton SWCD
- **Pam Thevenow**, Marion County Health Department
- **Kelly Wood,** Neighborhood Liaison

In addition to the Steering Committee, three Working Committees focusing on Public Education & Outreach, Water Quality, and Land Use and Economic Development will be established. Participation in the Working Committees will be open to any stakeholder with expertise and

interest in one or more of the 3 topics. The intent will be to thoroughly discuss each topic, identify critical areas in the Lower Fall Creek Watershed, and recommend programs, policies, and projects to improve water quality.

It is hoped that the successful completion of the Lower Fall Creek Watershed Improvement Project will serve as a benchmark for all future urban watershed efforts in the State of Indiana. Fall Creek is a highly recognizable recreational and drinking water supply resources and traverses a varied landscape socially, economically, and geographically.

Lower Fall Creek Watershed Management Plan
Newsletter update
November 17, 2008

Activities continue in the Lower Fall Creek Watershed.

- The Backyard Conservation workshop held on November 12, 2008 was well attended and positive comments were received as workshop attendees learned how to construct a rain barrel, how to attract wildlife to their backyards, and how to have their backyards certified as a Backyard Wildlife Habitat by the Indiana Wildlife Federation. One workshop remains for this phase of Lower Fall Creek Watershed project: Regulated Drains and Natural Waterways. This workshop will be held in early 2009 and will involve presentations and discussions on the differences between natural channels and regulated drains, what can be done and what should not be done along these types of water systems, and how actions in and around natural streams and regulated drains affect water quality downstream. More information will be provided through the Lower Fall Creek Watershed Alliance's website (www.lowerfallcreek.org) as this workshop is developed.

- As a part of the planning phase, the Marion SWCD was provided funding to install water quality demonstration projects throughout the watershed. Project ideas have included rain gardens, bio-filtration areas, and critical area plantings all designed to filter pollutants from the water prior to reaching Lower Fall Creek, its tributary streams, or the groundwater. Project locations are still being determined as the Marion SWCD continues to work with local partners to identify highly visible areas where residents can view the projects and learn how water quality is being protected.

- The first Social Indicators survey, designed to identify the needs and concerns of the watershed regarding water quality and the Lower Fall Creek, has been conducted. The Lower Fall Creek Watershed Alliance has partnered with Purdue University to complete this confidential survey of watershed residents. Over 1,000 randomly selected residents within the Lower Fall Creek Watershed received a several page survey with questions assessing:
  - Types of pollutants in Lower Fall Creek;
  - Consequences of poor water quality in Lower Fall Creek; and
  - Practices to improve water quality in Lower Fall Creek;

  Results from this survey will be compiled and presented to the public and the Lower Fall Creek WMP Steering Committee in early 2009.

- A public meeting to present the full Draft Watershed Management Plan (WMP) will be held on January 15, 2009 at the Lawrence Government Center. Over the last months, Steering Committee members and IDEM have reviewed the WMP and provided their comments. These comments will be incorporated and the Draft WMP will be discussed at the public

meeting along with information on how the public can review and comment on the plan prior to submission to IDEM.

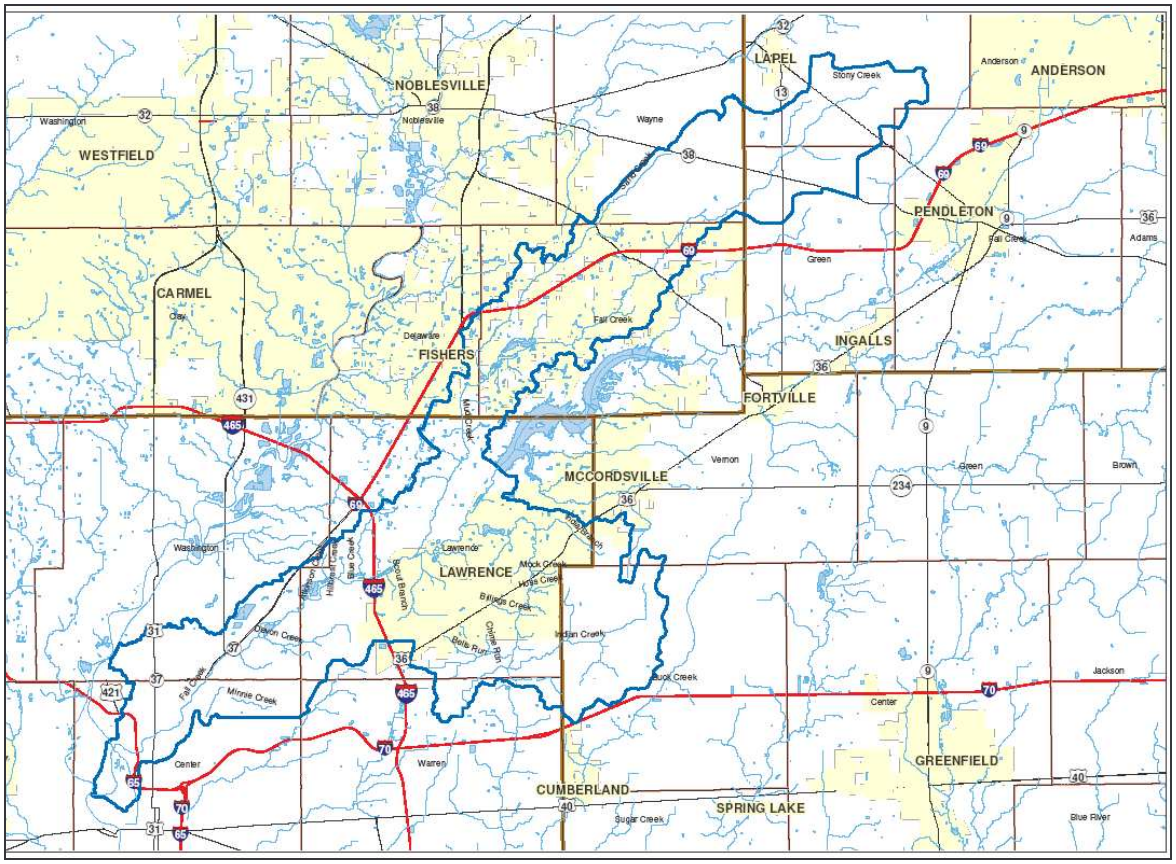
- The final Steering Committee meeting will be held on January 29, 2008 and will involve discussion of overall project results, accomplishments, and next steps. The Marion SWCD has applied for funding to implement the Lower Fall Creek WMP and hopes to hear soon if that funding will be provided to continue the hard work of the Steering Committee will increasing the number of “in the ground” projects throughout the Lower Fall Creek Watershed.

Lower Fall Creek Watershed Management Plan
Newsletter update
December 19, 2008

- The final DRAFT of the Lower Fall Creek Watershed Management Plan (WMP) was submitted to the Indiana Department of Environmental Management (IDEM) for review and comment on December 1, 2008. The purpose of developing the WMP was to gain a greater understanding of the water quality impairments in the Lower Fall Creek Watershed and engage the diverse stakeholders to identify and implement sustainable and local solutions.

  The Marion County SWCD believes that a WMP is a guiding document that examines the historical and existing water resource issues in a particular watershed and presents specific actions to address those water resource issues based on the values and needs of the community. The SWCD hopes that the successful completion of the Lower Fall Creek WMP will serve as a benchmark for all future urban watershed efforts in the State of Indiana. Fall Creek is a highly recognizable recreational and drinking water supply resource which traverses a varied landscape socially, economically, and geographically.

  While IDEM is completing their review of the WMP, there is still an opportunity for public review and comment. The report, including exhibits and appendices, can be found at the Lower Fall Creek Watershed Alliance's website: www.lowerfallcreek.org. If you would like to provide any comments or suggestions regarding the WMP, please forward those to Ron Lauster, Director of the Marion County Soil & Water Conservation District (ron.lauster@iaswcd.org).



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  Results from this survey will be compiled and presented to the public and the Lower Fall Creek WMP Steering Committee in early 2009.

- A public meeting to present the full Draft Watershed Management Plan (WMP) will be held on January 15, 2009 at 7:00 pm in the Lawrence Government Center. Over the last months, Steering Committee members and IDEM have reviewed the WMP and provided their comments. These comments will be incorporated and the Draft WMP will be discussed at the public meeting along with information on how the public can review and comment on the plan prior to submission to IDEM.

- The final Steering Committee meeting will be held on January 29, 2008 at 2:00 pm and will involve discussion of overall project results, accomplishments, and next steps. The Marion SWCD has applied for funding to implement the Lower Fall Creek WMP and hopes to hear soon if that funding will be provided to continue the hard work of the Steering Committee will increasing the number of “in the ground” projects throughout the Lower Fall Creek Watershed.

Lower Fall Creek Watershed Management Plan
Newsletter update
March 5, 2009

Regulated Drains and Natural Waterways

On Wednesday, March 25, 2009 the Lower Fall Creek Watershed Alliance will present Regulated Drains and Natural Waterways, the final in a series of workshops offered as a part of the Indiana Department of Environmental Management (IDEM) 319 grant awarded to the Marion County Soil and Water Conservation District. This grant provides funding for the development of a Watershed Management Plan (WMP) for the Lower Fall Creek Watershed covering portions of Hamilton, Hancock, Madison, and Marion Counties; education and outreach efforts; and macro-invertebrate sampling within Fall Creek and tributary streams.

The Regulated Drains and Natural Waterways workshop will be held at the Lapel Public Library, 610 Main Street in Lapel, Indiana and is set to begin at 6:30pm. During this workshop, landowners will learn more about regulated drains, the maintenance associated with regulated drains and how they can find out if the stream or creek on their property is a regulated drain. In addition, a representative from the Indiana Department of Natural Resources (IDNR) Division of Water will be on hand to provide information on log jams and any permitting requirements for log jam removal.

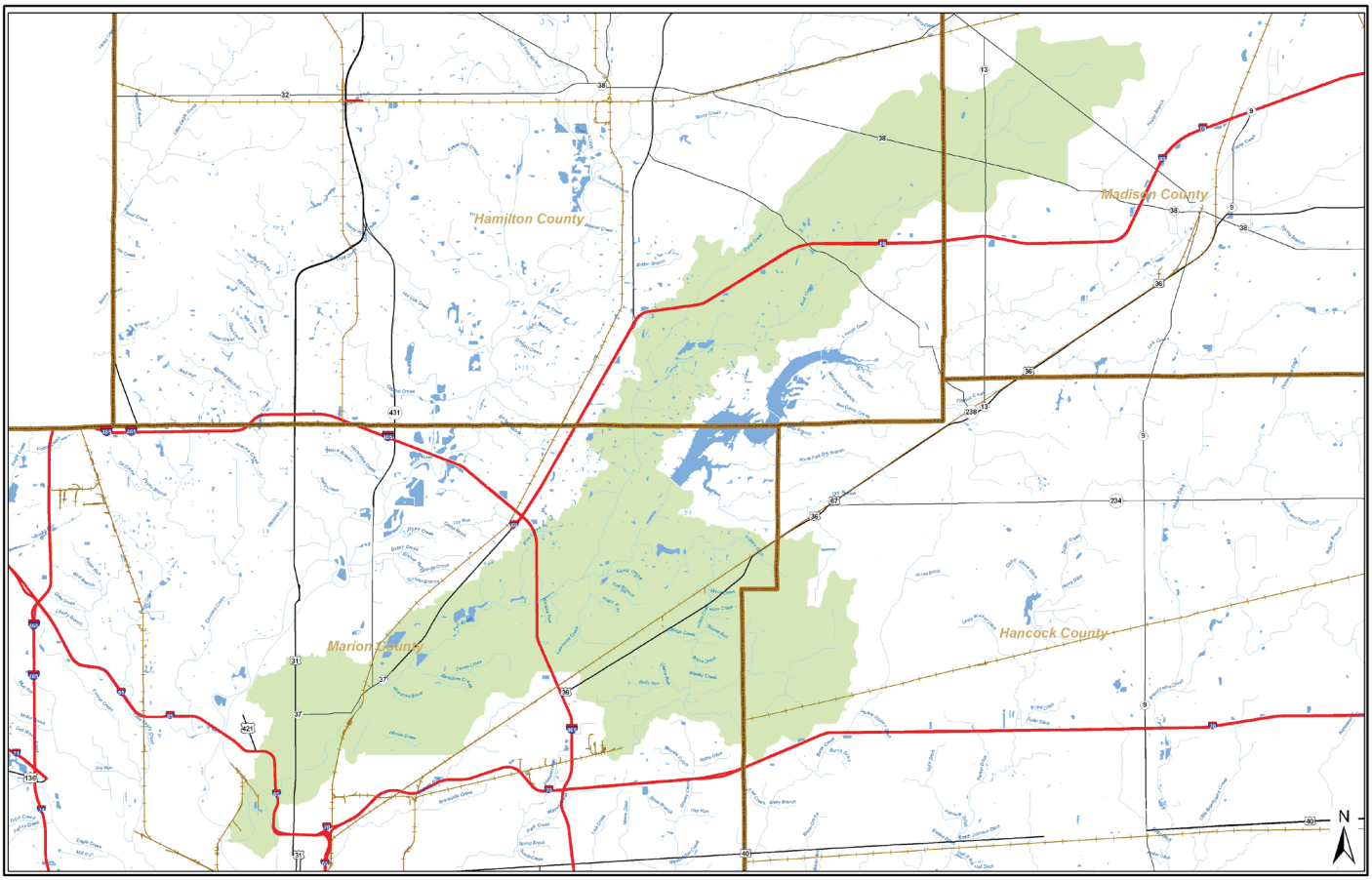
Debris causing a log jam

Newly Constructed 2-Stage Ditch

Brief overviews will also be provided regarding available USDA funding for conservation projects in the Lower Fall Creek Watershed through the Natural Resource Conservation Service or the Farm Service Agency and the concept of 2-Stage Ditch Design and its applications in the agricultural setting.

For more information on the Regulated Drains and Natural Waterways workshop, please contact the Marion County Soil and Water Conservation District at (317) 786-1776.

Your Views on Lower Fall Creek Water Resources



Your local watershed project is conducting this survey in coordination with Purdue University. The purpose of this survey is to identify the needs and concerns in your community regarding water quality.

We ask that this survey be completed by the person in your household that makes most of the lawn and garden decisions and is at least 18 years old. Your participation in this survey is completely voluntary. Your answers will be kept confidential and will be released only as summaries where individual answers cannot be identified.

Unless otherwise instructed, please check the box that corresponds to the answer category that best describes you and your situation or opinion. The survey should take approximately 20-30 minutes to complete. Please read each question carefully.

Lower Fall Creek Water Resources

Your Watershed

PLEASE READ BEFORE BEGINNING THIS SURVEY:

The survey must be completed by an adult member of your household 18 years of age or older.
Please mark all answers clearly, in pen or pencil, as indicated below.

Example "A" ☐ ☐ ☒ Example "B" ☐ ☐ ☑

Overall, *how would you rate the quality of water* in your area?

	Poor	Okay	Good	Don't Know
1. For canoeing/kayaking/boating	☐	☐	☐	☐
2. For eating fish caught in the water	☐	☐	☐	☐
3. For swimming	☐	☐	☐	☐
4. For picnicking/family activities	☐	☐	☐	☐
5. For fish habitat	☐	☐	☐	☐
6. For scenic beauty	☐	☐	☐	☐

Do you live in a watershed?

- ☐ Yes
- ☐ No
- ☐ Don't know

Do you know where the water goes when it runs off of your property?

- ☐ No, I don't know
- ☐ Yes, it goes to: _____

Please indicate your level of agreement or disagreement with the statements below.

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
1. The economic stability of my community depends upon good water quality.	☐	☐	☐	☐	☐
2. The way that I care for my lawn and yard can influence water quality in local streams and lakes.	☐	☐	☐	☐	☐
3. It is my personal responsibility to help protect water quality.	☐	☐	☐	☐	☐
4. It is important to protect water quality even if it slows economic development.	☐	☐	☐	☐	☐
5. What I do on my land doesn't make much difference in overall water quality.	☐	☐	☐	☐	☐
6. Lawn and yard-care practices (on individual lots) do not have an impact on local water quality.	☐	☐	☐	☐	☐
7. My actions have an impact on water quality.	☐	☐	☐	☐	☐
8. Taking action to improve water quality is too expensive for me.	☐	☐	☐	☐	☐
9. It is okay to reduce water quality to promote economic development.	☐	☐	☐	☐	☐
10. It is important to protect water quality even if it costs me more.	☐	☐	☐	☐	☐
11. I would be willing to pay more to improve water quality (for example: through local taxes or fees).	☐	☐	☐	☐	☐
12. I would be willing to change the way I care for my lawn and yard to improve water quality.	☐	☐	☐	☐	☐
13. The quality of life in my community depends on good water quality in local streams, rivers and lakes.	☐	☐	☐	☐	☐
14. Developers in my community follow current regulations.	☐	☐	☐	☐	☐
15. Construction in my community should use practices that minimize soil erosion.	☐	☐	☐	☐	☐
16. I would choose to purchase a home in a neighborhood that uses water quality conservation measures.	☐	☐	☐	☐	☐

Lower Fall Creek Water Resources

Water Impairments

Below is a list of water pollutants that are generally present in water bodies to some extent. The pollutants and conditions become a problem when present in excessive amounts. In your opinion, *how much of a problem are the following pollutants in your area*?

		Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't know
1.	Sediments	☐	☐	☐	☐	☐
2.	Nitrates/nitrogen	☐	☐	☐	☐	☐
3.	Phosphate/phosphorus	☐	☐	☐	☐	☐
4.	*E.coli*	☐	☐	☐	☐	☐
5.	Trash and debris	☐	☐	☐	☐	☐
6.	Salt (i.e. road salt)	☐	☐	☐	☐	☐
7.	Automotive fluids (e.g. MTBE, oil & grease, antifreeze)	☐	☐	☐	☐	☐
8.	Blue-green algae	☐	☐	☐	☐	☐
9.	Exotic or invasive aquatic plants	☐	☐	☐	☐	☐
10.	Flow alteration (e.g. large discharges from Geist Reservoir)	☐	☐	☐	☐	☐
11.	Habitat alteration (e.g. land use change)	☐	☐	☐	☐	☐

The items listed below are sources of water quality pollution across the country. In your opinion, *how much of a problem are the following sources in your area*?

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't know
1. Soil erosion from construction sites	☐	☐	☐	☐	☐
2. Excessive use of lawn fertilizers and/or pesticides (from golf courses, sports fields, homes)	☐	☐	☐	☐	☐
3. Improper disposal of used motor oil and/or antifreeze	☐	☐	☐	☐	☐
4. Sewage from combined sewer overflows or failing septic tanks	☐	☐	☐	☐	☐
5. Stormwater runoff (e.g. roofs, driveways, streets)	☐	☐	☐	☐	☐
6. Droppings from wildlife and pets	☐	☐	☐	☐	☐
7. Littering/illegal dumping of trash	☐	☐	☐	☐	☐
8. Streambank or shoreline modification/destabilization	☐	☐	☐	☐	☐
9. Conversion of forest land and wetlands to urban use	☐	☐	☐	☐	☐
10. Discarded medications	☐	☐	☐	☐	☐

Poor water quality can lead to a variety of consequences for communities. In your opinion, *how much of a problem are the following issues in your area*?

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't know
1. Contaminated fish resulting in Fish Consumption Advisories	☐	☐	☐	☐	☐
2. High drinking water treatment costs	☐	☐	☐	☐	☐
3. Reduced beauty of lakes or streams	☐	☐	☐	☐	☐
4. Reduced opportunities for water recreation (e.g. swimming and boating)	☐	☐	☐	☐	☐
5. Fish kills	☐	☐	☐	☐	☐
6. Decreased property value	☐	☐	☐	☐	☐
7. Decrease in fish and wildlife populations due to exposure to hormone-mimics (from improperly disposed of medications)	☐	☐	☐	☐	☐

Each set of 4 questions on these pages refers to a specific practice that can address water quality issues. Please follow directions within each shaded box and answer the appropriate questions.

Controlling erosion

Controlling erosion along streambanks and shorelines with vegetation and other practices.

1. **Do you use or have you ever used erosion controls?**
   - ☐ Currently use (go directly to table below)
   - ☐ Don't currently use (go to question 3)
   - ☐ Never used (go to question 2)

2. **How familiar are you with erosion controls?**
   - ☐ Never heard of it
   - ☐ Somewhat familiar with
   - ☐ Know how to use; not using

3. **Are you willing to try erosion controls?**
   - ☐ Yes
   - ☐ Maybe
   - ☐ No

4. **On a scale of 1-5, which of the following factors would prevent you from using erosion controls?**

Not a problem ←→ Major problem

	1	2	3	4	5
Lack of skills	☐	☐	☐	☐	☐
Lack of equipment	☐	☐	☐	☐	☐
Doesn't fit with current practices	☐	☐	☐	☐	☐
Too much time required	☐	☐	☐	☐	☐
My views about yard maintenance	☐	☐	☐	☐	☐
Prior personal experience	☐	☐	☐	☐	☐
Does not apply to my home	☐	☐	☐	☐	☐

Follow manufacturer guidelines

Following pesticide application instructions for lawn and garden.

1. **Do you now or have you ever followed manufacturer guidelines?**
   - ☐ Currently use (go directly to table below)
   - ☐ Don't currently use (go to question 3)
   - ☐ Never used (go to question 2)

2. **How familiar are you with following manufacturer guidelines?**
   - ☐ Never heard of it
   - ☐ Somewhat familiar with
   - ☐ Know how to use; not using

3. **Are you willing to try following manufacturer guidelines?**
   - ☐ Yes
   - ☐ Maybe
   - ☐ No

4. **On a scale of 1-5, which of the following factors would prevent you from using pesticides?**

Not a problem ←→ Major problem

	1	2	3	4	5
Lack of skills	☐	☐	☐	☐	☐
Lack of equipment	☐	☐	☐	☐	☐
Doesn't fit with current practices	☐	☐	☐	☐	☐
Too much time required	☐	☐	☐	☐	☐
My views about yard care	☐	☐	☐	☐	☐
Prior personal experience	☐	☐	☐	☐	☐
Does not apply to my home	☐	☐	☐	☐	☐

Low-phosphate fertilizers

Using low-phosphate fertilizers for lawn and garden.

1. **Do you use or have you ever used low-phosphate fertilizers?**
   - ☐ Currently use (go directly to table below)
   - ☐ Don't currently use (go to question 3)
   - ☐ Never used (go to question 2)

2. **How familiar are you with low-phosphate fertilizers?**
   - ☐ Never heard of it
   - ☐ Somewhat familiar with
   - ☐ Know how to use; not using

3. **Are you willing to try low-phosphate fertilizers?**
   - ☐ Yes
   - ☐ Maybe
   - ☐ No

4. **On a scale of 1-5, which of the following factors would prevent you from using low-phosphate fertilizers?**

Not a problem ⟷ Major problem

	1	2	3	4	5
Lack of skills	☐	☐	☐	☐	☐
Lack of equipment	☐	☐	☐	☐	☐
Doesn't fit with current practices	☐	☐	☐	☐	☐
Too much time required	☐	☐	☐	☐	☐
My views about yard care	☐	☐	☐	☐	☐
Prior personal experience	☐	☐	☐	☐	☐
Does not apply to my lawn	☐	☐	☐	☐	☐

Rain barrels and rain gardens

Rain barrels are above ground water storage vessels that capture rain. Rain gardens are designed to absorb and filter stormwater. They are usually designed to collect stormwater from a house.

1. **Do you use or have you ever used rain barrels or rain gardens?**
   - ☐ Currently use (go directly to table below)
   - ☐ Don't currently use (go to question 3)
   - ☐ Never used (go to question 2)

2. **How familiar are you with rain barrels or rain gardens?**
   - ☐ Never heard of it
   - ☐ Somewhat familiar with
   - ☐ Know how to use; not using

3. **Are you willing to try rain barrels or rain gardens?**
   - ☐ Yes
   - ☐ Maybe
   - ☐ No

4. **On a scale of 1-5, which of the following factors would prevent you from using rain barrels or rain gardens?**

Not a problem ⟷ Major problem

	1	2	3	4	5
Lack of skills	☐	☐	☐	☐	☐
Lack of equipment	☐	☐	☐	☐	☐
Doesn't fit with current practices	☐	☐	☐	☐	☐
Too much time required	☐	☐	☐	☐	☐
My views about yard care	☐	☐	☐	☐	☐
Prior personal experience	☐	☐	☐	☐	☐
Does not apply to my home	☐	☐	☐	☐	☐

Lower Fall Creek Water Resources

Please indicate which statement most accurately *describes your level of experience with each practice*.

		Never heard of it	Somewhat familiar with it	Know how to use; not using	Currently use it
1.	Restoring native plant communities and planting trees	☐	☐	☐	☐
2.	Keeping grass clippings and trash out of storm drains, roads, ditches, and gutters	☐	☐	☐	☐
3.	Properly disposing of household wastes (such as batteries, medicines, cleaners)	☐	☐	☐	☐
4.	Not putting chemicals down sewers	☐	☐	☐	☐
5.	Disconnecting downspouts from direct access to storm drains	☐	☐	☐	☐
6.	Reporting suspected violations of water quality regulations (e.g. contact neighborhood association, call TIP-line)	☐	☐	☐	☐
7.	Participating in environmental education outreach with neighborhood groups	☐	☐	☐	☐

When you make decisions about changing your lawn care and/or stormwater practices, *how important is each of the following*?

		Not at all important	Somewhat important	Undecided	Important	Very important
1.	Personal out-of-pocket expense	☐	☐	☐	☐	☐
2.	My own physical abilities	☐	☐	☐	☐	☐
3.	Lack of available information about a practice	☐	☐	☐	☐	☐
4.	No one else I know is implementing the practice	☐	☐	☐	☐	☐
5.	Approval of my neighbors	☐	☐	☐	☐	☐
6.	Restrictive covenants in my subdivision	☐	☐	☐	☐	☐
7.	Don't know where to get information and/or assistance about the practice	☐	☐	☐	☐	☐
8.	Environmental damage caused by practice	☐	☐	☐	☐	☐
9.	Environmental benefit of practice	☐	☐	☐	☐	☐
10.	Concerns about resale value	☐	☐	☐	☐	☐
11.	I do not own my own property	☐	☐	☐	☐	☐

People get information about water quality from a number of different sources. To what extent *do you trust the organizations list below as a source of information about water quality*?

	Not at all	Slightly	Moderately	Very much	Am not familiar
1. Lower Fall Creek Watershed Alliance	☐	☐	☐	☐	☐
2. Soil and Water Conservation District (SWCD)	☐	☐	☐	☐	☐
3. Natural Resources Conservation Service (NRCS)	☐	☐	☐	☐	☐
4. Indiana Department of Natural Resources (IDNR)	☐	☐	☐	☐	☐
5. Indiana Department of Environmental Management (IDEM)	☐	☐	☐	☐	☐
6. Citizen action groups	☐	☐	☐	☐	☐
7. Local landowners/friends	☐	☐	☐	☐	☐
8. Universities	☐	☐	☐	☐	☐
9. Community service groups	☐	☐	☐	☐	☐
10. Gardening and recreational clubs	☐	☐	☐	☐	☐
11. Land Trusts (e.g. TNC, CILTI)	☐	☐	☐	☐	☐
12. Local government	☐	☐	☐	☐	☐
13. Community Development Corporations (CDCs)	☐	☐	☐	☐	☐
14. Neighborhood associations	☐	☐	☐	☐	☐
15. Religious organizations	☐	☐	☐	☐	☐
16. Youth organizations	☐	☐	☐	☐	☐
17. Local access television stations	☐	☐	☐	☐	☐

1. **Do you know how to contact a local government representative?**
   - ☐ Yes
   - ☐ No

2. **How many times in the last year have you called a local government representative?**
   - ☐ Never
   - ☐ Once
   - ☐ 2 - 5 times
   - ☐ More than 5 times

3. **Do you know how zoning works?**
   - ☐ Yes
   - ☐ No

4. **How many times in the last year have you attended a local government meeting?**
   - ☐ Never
   - ☐ Once
   - ☐ 2 - 5 times
   - ☐ More than 5 times

Lower Fall Creek Water Resources

About You

1. **Do you live in close proximity to a lake or stream?**
   - ☐ Waterfront property
   - ☐ Within 1/4 mile
   - ☐ Within 1/2 mile
   - ☐ Within a mile
   - ☐ Further

2. **Do you participate in any of the following water-based recreation activities in this area? (check all that apply)**
   - ☐ Boating
   - ☐ Swimming
   - ☐ Fishing
   - ☐ None of the above

3. **Do you live in a place adversely affected by poor water quality?**
   - ☐ Yes
   - ☐ No

4. **Does poor water quality impact your activities?**
   - ☐ Yes
   - ☐ No

5. **Does poor water quality impact your property values?**
   - ☐ Yes
   - ☐ No

6. **Which of the following do you do on a regular basis? (check all that apply)**
   - ☐ Drive a hybrid vehicle
   - ☐ Recycle
   - ☐ Take public transportation
   - ☐ Walk/bike to work/school
   - ☐ Use compact fluorescent light bulbs
   - ☐ Other (specify) _____

7. **Do you make the home and lawn care decisions in your household?**
   - ☐ Yes
   - ☐ No

8. **What is your gender?**
   - ☐ Male
   - ☐ Female

9. **In what year were you born?** _____

10. **What is the highest grade in school that you have completed?**
    - ☐ Some formal schooling
    - ☐ High school diploma/GED
    - ☐ Some college
    - ☐ 2 year college degree
    - ☐ 4 year college degree
    - ☐ Post-graduate degree

11. **What is the approximate size of your residential lot?**
    - ☐ 1/4 acre or less
    - ☐ More than 1/4 acre but less than 1 acre
    - ☐ 1 acre to less than 5 acres
    - ☐ 5 acres or more

12. **Do you own or rent your home?**

- ☐ Own
- ☐ Rent

13. **How long have you lived at your current residence?** _____ **years**

14. **What is the source of your drinking water?**

- ☐ Individual well
- ☐ Municipal well
- ☐ Fall Creek
- ☐ Eagle Creek

15. **What is your zip code?** _____

16. **In addition to your residence, which of the following do you own or manage? (check all that apply)**

- ☐ An agricultural operation
- ☐ Forested land
- ☐ Rural recreational property
- ☐ None of these

17. **Do you use a professional lawn care service?**

- ☐ Yes, just for mowing
- ☐ Yes, for mowing and fertilizing
- ☐ Yes, just for fertilizing and pest control
- ☐ Yes, for mowing, fertilizing and pest control
- ☐ No

18. **In the past three years, have you heard about water quality issues in any of the following? (check all that apply)**

- ☐ Newsletters/brochures/fact sheets
- ☐ Internet
- ☐ Workshops/demonstrations/meetings
- ☐ Radio - Station name: _____
- ☐ Newspapers - Name publication: _____
- ☐ Television - Station name: _____
- ☐ Water bill - Name provider: _____
- ☐ Notices posted at local businesses
- ☐ Notices posted on community bulletin boards
- ☐ Billboards
- ☐ Conversations with others
- ☐ Other (please specify) _____
- ☐ None of the above

19. **What is your ethnicity?**

- ☐ African American
- ☐ American Indian
- ☐ Asian/Asian American/Pacific Islander
- ☐ Hispanic/Latino
- ☐ White/Caucasian
- ☐ Multi-racial
- ☐ Other

20. **What is your occupation? (please be as specific as possible)**

_____

_____

Lower Fall Creek Water Resources

Thank You

Thank you for your time and assistance!

Please return your completed questionnaire in the postage-paid envelope provided. Please use the space below for any additional comments about this survey or water resources in your community.

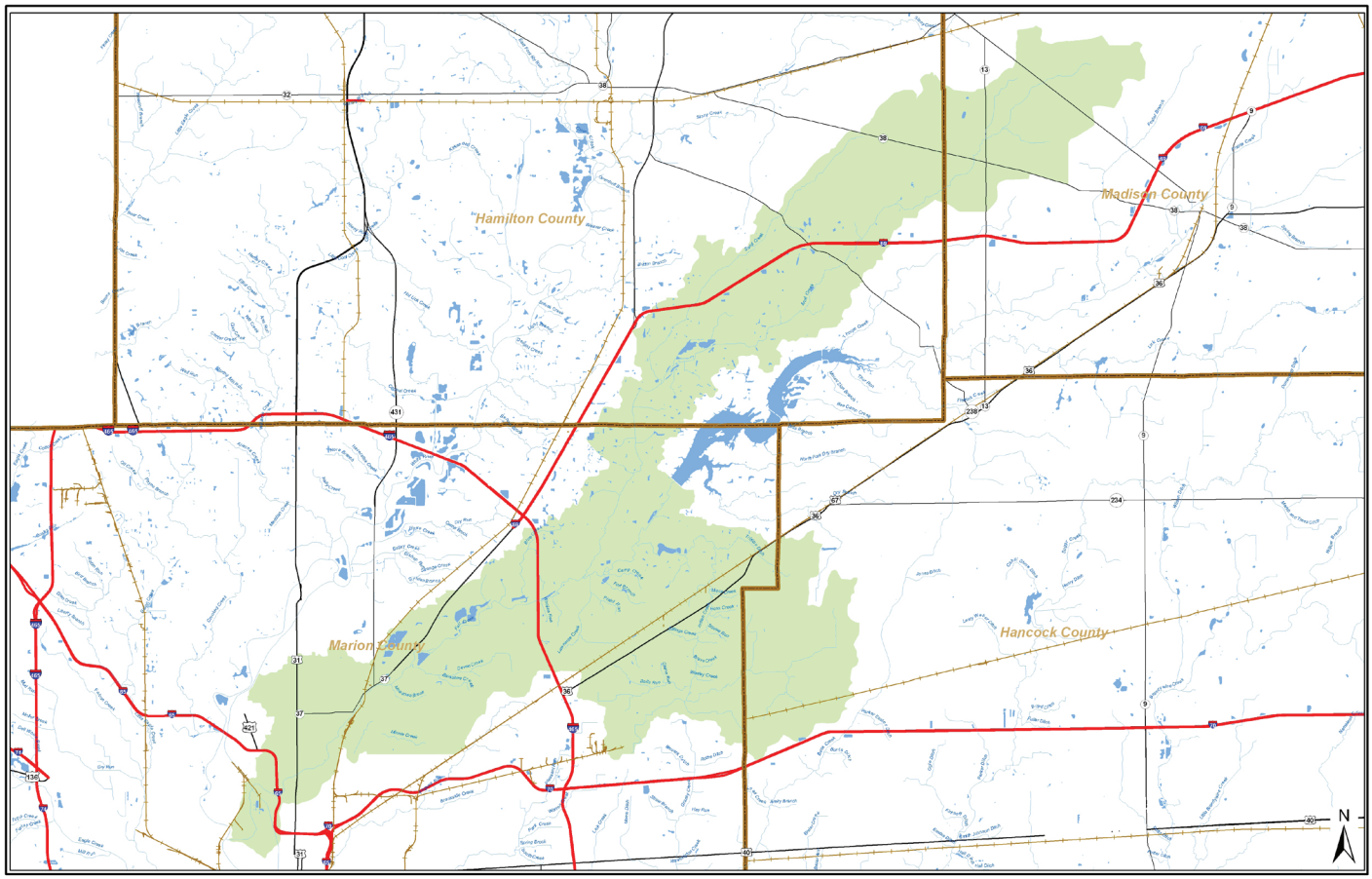
For more information about the Lower Fall Creek Watershed Alliance, please see www.lowerfallcreek.org or contact Ron Lauster at (317) 786-1776.

For more information about this survey, please call Linda Prokopy at (765) 496-2221.

Survey results will be available February 2009 at www.lowerfallcreek.org.

Printed on 30% post-consumer content paper

Su punto de vista acerca de los recursos de agua de la cuenca Lower Fall Creek



El proyecto local de cuencas está llevando a cabo esta encuesta en colaboración con la Universidad de Purdue. El propósito de esta encuesta es identificar las necesidades y preocupaciones de la comunidad respecto a la calidad del agua.

Solicitamos que esta encuesta la complete el miembro del hogar que se encarga de las decisiones de jardinería y sea mayor de 18 años. Su participación en la encuesta es totalmente voluntaria. Sus respuestas son confidenciales y se divulgarán únicamente en forma de resúmenes, en los que no se identifican respuestas individuales.

A menos que se le indique lo contrario, marque la casilla que corresponde a la categoría de respuesta que mejor lo describe a usted y su situación u opinión. La encuesta toma entre 20 y 30 minutos aproximadamente para completarla. Lea detenidamente cada una de las preguntas.

Recursos de agua de Lower Fall Creek

POR FAVOR LEA ESTO ANTES DE COMPLETAR LA ENCUESTA:

La encuesta debe completarla un adulto del hogar de 18 años o mayor. Por favor marque todas las respuestas claramente, en bolígrafo o lápiz, como se indica a continuación.

Ejemplo "A" ☐ ☐ ☒ Ejemplo "B" ☐ ☐ ☑

Acerca de la cuenca

En general, ***¿cómo calificaría la calidad del agua en su área?***

	Deficiente	Bastante buena	Buena	No sé
1. Para canotaje/practicar kayak/paseos en bote	☐	☐	☐	☐
2. Para comer pescados extraídos del agua	☐	☐	☐	☐
3. Para nadar	☐	☐	☐	☐
4. Para hacer picnic/actividades familiares	☐	☐	☐	☐
5. Para el hábitat de peces	☐	☐	☐	☐
6. Como escenario pintoresco	☐	☐	☐	☐

¿Vive en una cuenca?

- ☐ Sí
- ☐ No
- ☐ No sé

¿Sabe hacia dónde se dirige el agua cuando sale de su propiedad?

- ☐ No, no lo sé
- ☐ Sí, se dirige a: _____

Sus Opiniones

Por favor indique el nivel de acuerdo o desacuerdo con las siguientes afirmaciones.

	En total desacuerdo	En desacuerdo	No estoy de acuerdo ni en desacuerdo	Estoy de acuerdo	Estoy totalmente de acuerdo
1. La estabilidad económica de mi comunidad depende de una buena calidad de agua.	☐	☐	☐	☐	☐
2. La forma en que cuido el césped y el jardín puede afectar la calidad del agua en los arroyos y lagos.	☐	☐	☐	☐	☐
3. Es mi responsabilidad ayudar a proteger la calidad del agua.	☐	☐	☐	☐	☐
4. Es importante proteger la calidad del agua, incluso si desacelera el desarrollo económico.	☐	☐	☐	☐	☐
5. Lo que hago en mi tierra no crea una gran diferencia en la calidad del agua total.	☐	☐	☐	☐	☐
6. Las prácticas de cuidado de césped y jardín (en lotes individuales) no afectan la calidad del agua local.	☐	☐	☐	☐	☐
7. Mis actos afectan la calidad del agua.	☐	☐	☐	☐	☐
8. Tomar medidas para mejorar la calidad del agua es demasiado costoso para mí.	☐	☐	☐	☐	☐
9. Está bien reducir la calidad del agua para promover el desarrollo económico.	☐	☐	☐	☐	☐
10. Es importante proteger la calidad del agua, incluso si me genera un gasto mayor.	☐	☐	☐	☐	☐
11. Estaría dispuesto a pagar más para mejorar la calidad del agua (por ejemplo: a través de impuestos o tarifas locales)	☐	☐	☐	☐	☐
12. Estaría dispuesto a cambiar la forma en que cuido mi césped y jardín para mejorar la calidad del agua.	☐	☐	☐	☐	☐
13. La calidad de vida en la comunidad depende de una buena calidad del agua en los arroyos, ríos y lagos locales.	☐	☐	☐	☐	☐
14. Los promotores inmobiliarios de mi comunidad cumplen las normas actuales.	☐	☐	☐	☐	☐
15. La construcción en mi comunidad debería utilizar prácticas que minimicen la erosión del suelo.	☐	☐	☐	☐	☐
16. Elegiría comprar una vivienda en un vecindario que implemente medidas de conservación de la calidad del agua.	☐	☐	☐	☐	☐

Recursos de agua de Lower Fall Creek

Degradación del agua

A continuación encontrará una lista con los contaminantes del agua que por lo general están presentes en masas de agua. Los contaminantes y las condiciones se tornan problemáticos si se encuentran en cantidades excesivas. De acuerdo con su opinión, *¿en qué medida los siguientes contaminantes constituyen un problema en su área?*

	No es un problema	Problema leve	Problema moderado	Problema grave	No sé
1. Sedimentos	☐	☐	☐	☐	☐
2. Nitratos/nitrógeno	☐	☐	☐	☐	☐
3. Fosfatos/fósforo	☐	☐	☐	☐	☐
4. *E.coli*	☐	☐	☐	☐	☐
5. Basura y escombros	☐	☐	☐	☐	☐
6. Sales (es decir, sales del suelo)	☐	☐	☐	☐	☐
7. Líquidos vehiculares (por ejemplo: éter metil tert-butílico, aceite y grasa, anticongelantes)	☐	☐	☐	☐	☐
8. Algas verdeazuladas	☐	☐	☐	☐	☐
9. Plantas acuáticas exóticas o invasivas	☐	☐	☐	☐	☐
10. Alteración de caudal	☐	☐	☐	☐	☐
11. Alteración del hábitat	☐	☐	☐	☐	☐

Fuentes de contaminación del agua

Los puntos enumerados a continuación son fuentes de contaminación de la calidad del agua en todo el país. De acuerdo con su opinión, *¿en qué medida las siguientes fuentes constituyen un problema en su área?*

	No es un problema	Problema leve	Problema moderado	Problema grave	No sé
1. Erosión del suelo por los sitios de construcción	☐	☐	☐	☐	☐
2. Uso excesivo de fertilizantes o pesticidas para césped (desde campos de golf, campos de deportes, hogares)	☐	☐	☐	☐	☐
3. Eliminación incorrecta de aceites o anticongelantes para motor usados	☐	☐	☐	☐	☐
4. Aguas residuales de rebosaderos de cloacas combinados o tanques sépticos defectuosos	☐	☐	☐	☐	☐
5. Escorrentía pluvial (por ejemplo: techos, entrada de autos, calles)	☐	☐	☐	☐	☐
6. Excrementos de animales salvajes y mascotas	☐	☐	☐	☐	☐
7. Arrojar basura/vertederos de basura ilegales	☐	☐	☐	☐	☐
8. Modificación/desestabilización de la ribera o costa	☐	☐	☐	☐	☐
9. Conversión de tierras forestales y humedales para uso urbano	☐	☐	☐	☐	☐
10. Medicamentos desechados	☐	☐	☐	☐	☐

La deficiente calidad del agua puede traer aparejadas múltiples consecuencias para las comunidades. De acuerdo con su opinión, *¿en qué medida las siguientes cuestiones constituyen un problema en su área?*

	No es un problema	Problema leve	Problema moderado	Problema grave	No sé
1. Peces contaminados (lo cual ocasiona notificaciones de consumo de pescado)	☐	☐	☐	☐	☐
2. Costos elevados de tratamiento de agua potable	☐	☐	☐	☐	☐
3. Belleza reducida de lagos y arroyos	☐	☐	☐	☐	☐
4. Menos posibilidades de recreación acuática (por ejemplo: natación y paseos en bote)	☐	☐	☐	☐	☐
5. Mortandad de peces	☐	☐	☐	☐	☐
6. Valor de propiedad reducido	☐	☐	☐	☐	☐
7. Disminución en las poblaciones de peces y flora y fauna debido a la exposición a mímicos hormonales (a causa de medicamentos desechados incorrectamente)	☐	☐	☐	☐	☐

Cada serie de 4 preguntas en estas páginas hace referencia a prácticas específicas que pueden abordar las cuestiones relacionadas con la calidad del agua. Por favor siga las instrucciones en cada casilla sombreada y responda las preguntas correspondientes..

Control de la erosión

Controlar la erosión a lo largo de las riberas y costas con vegetación y otras prácticas.

1. ¿Usa actualmente o usó alguna vez controles de erosión?

- ☐ Actualmente en práctica (dirigirse diréctamente a la tabla siguiente)
- ☐ No está en práctica actualmente (ir a 3)
- ☐ Nunca se puso en práctica (ir a 2)

2. ¿Qué sabe acerca de los controles de erosión?

- ☐ Nunca escuché hablar sobre esto
- ☐ Estoy algo familiarizado
- ☐ Sé como usarla, pero no la usamos

3. ¿Está dispuesto a poner en práctica los controles de erosión?

- ☐ Sí
- ☐ Quizás
- ☐ No

4. En una escala de 1 a 5, ¿cuál de los siguientes factores le impediría implementar los controles de erosión?

No es un problema ⟷ Problema serio

	1	2	3	4	5
Falta de conocimiento	☐	☐	☐	☐	☐
Falta de equipo	☐	☐	☐	☐	☐
No se ajusta a las prácticas actuales	☐	☐	☐	☐	☐
Se requiere demasiado tiempo	☐	☐	☐	☐	☐
Mis opiniones sobre cuidado de la yarda	☐	☐	☐	☐	☐
Experiencia personal previa	☐	☐	☐	☐	☐
No se aplica a mi hogar	☐	☐	☐	☐	☐

Seguir las pautas del fabricante

Seguir las instrucciones de uso de pesticidas para césped y jardines.

1. ¿Sigue actualmente las pautas del fabricante o las siguió alguna vez?

- ☐ Actualmente en práctica (dirigirse diréctamente a la tabla siguiente)
- ☐ No está en práctica actualmente (ir a 3)
- ☐ Nunca se puso en práctica (ir a 2)

2. ¿Qué sabe acerca de seguir las pautas del fabricante?

- ☐ Nunca escuché hablar sobre esto
- ☐ Estoy algo familiarizado
- ☐ Sé como usarla, pero no la usamos

3. ¿Está dispuesto a intentar seguir las pautas del fabricante?

- ☐ Sí
- ☐ Quizás
- ☐ No

4. En una escala de 1 a 5, ¿cuál de los siguientes factores le impediría seguir las pautas del fabricante?

No es un problema ⟷ Problema serio

	1	2	3	4	5
Falta de conocimiento	☐	☐	☐	☐	☐
Falta de equipo	☐	☐	☐	☐	☐
No se ajusta a las prácticas actuales	☐	☐	☐	☐	☐
Se requiere demasiado tiempo	☐	☐	☐	☐	☐
Mis opiniones sobre cuidado de la yarda	☐	☐	☐	☐	☐
Experiencia personal previa	☐	☐	☐	☐	☐
No se aplica a mi hogar	☐	☐	☐	☐	☐

Fertilizantes con bajo contenido fosfórico

Utilizar fertilizantes con bajo contenido de fósforo para césped y jardines

1. ¿Usa actualmente fertilizantes con bajo contenido fosfórico o los utilizó alguna vez?

- ☐ Actualmente en práctica (dirigirse diréctamente a la tabla siguiente)
- ☐ No está en práctica actualmente (ir a 3)
- ☐ Nunca se puso en práctica (ir a 2)

2. ¿Qué sabe acerca de los fertilizantes con bajo contenido fosfórico?

- ☐ Nunca escuché hablar sobre esto
- ☐ Estoy algo familiarizado
- ☐ Sé como usarla, pero no la usamos

3. ¿Está dispuesto a probar los fertilizantes de bajo contenido fosfórico?

- ☐ Sí
- ☐ Quizás
- ☐ No

4. En una escala de 1 a 5, ¿cuál de los siguientes factores le impediría utilizar fertilizantes con bajo contenido fosfórico?

No es un problema ⟷ Problema serio

	1	2	3	4	5
Falta de conocimiento	☐	☐	☐	☐	☐
Falta de equipo	☐	☐	☐	☐	☐
No se ajusta a las prácticas actuales	☐	☐	☐	☐	☐
Se requiere demasiado tiempo	☐	☐	☐	☐	☐
Mis opiniones sobre cuidado de la yarda	☐	☐	☐	☐	☐
Experiencia personal previa	☐	☐	☐	☐	☐
No se aplica a mi hogar	☐	☐	☐	☐	☐

Barriles para agua de lluvia y jardines de lluvia

Los barriles para agua de lluvia son recipientes de almacenamiento sobre nivel que capturan el agua de lluvia proveniente de bocas de descarga. Un jardín de lluvia es un jardín diseñado para absorber y filtrar el agua pluvial. Por lo general se diseñan para recolectar el agua pluvial de una vivienda.

1. ¿Usa actualmente barriles para agua de lluvia o jardines de lluvia o los usó alguna vez?

- ☐ Actualmente en práctica (dirigirse diréctamente a la tabla siguiente)
- ☐ No está en práctica actualmente (ir a 3)
- ☐ Nunca se puso en práctica (ir a 2)

2. ¿Qué sabe acerca de los barriles para agua de lluvia o jardines de lluvia?

- ☐ Nunca escuché hablar sobre esto
- ☐ Estoy algo familiarizado
- ☐ Sé como usarla, pero no la usamos

3. ¿Está dispuesto a probar los barriles para agua de lluvia o jardines de lluvia?

- ☐ Sí
- ☐ Quizás
- ☐ No

4. En una escala de 1 a 5, ¿cuál de los siguientes factores le impediría utilizar barriles para agua de lluvia y jardines de lluvia

No es un problema ⟷ Problema serio

	1	2	3	4	5
Falta de conocimiento	☐	☐	☐	☐	☐
Falta de equipo	☐	☐	☐	☐	☐
No se ajusta a las prácticas actuales	☐	☐	☐	☐	☐
Se requiere demasiado tiempo	☐	☐	☐	☐	☐
Mis opiniones sobre cuidado de la yarda	☐	☐	☐	☐	☐
Experiencia personal previa	☐	☐	☐	☐	☐
No se aplica a mi hogar	☐	☐	☐	☐	☐

Prácticas para mejorar la calidad del agua

Recursos de agua de Lower Fall Creek

Toma de decisiones para mi Propiedad

Por favor indique la afirmación que *describe con mayor precisión su nivel de experiencia con cada práctica*.

	Nunca escuché hablar sobre esto	Estoy algo familiarizado	Sé como usarla, pero no la usamos	La usamos en la actualidad
1. Restablecer las comunidades de plantas autóctonas y plantar árboles	☐	☐	☐	☐
2. Mantener los recortes de pasto y basura lejos de sumideros pluviales, caminos, cunetas y alcantarillas	☐	☐	☐	☐
3. Desechar correctamente los residuos del hogar (tales como pilas, medicamentos, productos de limpieza)	☐	☐	☐	☐
4. No tirar productos químicos en los sumideros	☐	☐	☐	☐
5. Desconectar los bajantes (tuberías de desagüe) del acceso directo a sumideros pluviales	☐	☐	☐	☐
6. Informar supuestas infracciones a las normas de calidad del agua (por ejemplo: comunicarse con asociaciones vecinales, llamar a TIP-line (línea de sugerencias)	☐	☐	☐	☐
7. Participar en educación ambiental con los grupos vecinales	☐	☐	☐	☐

Cuando toma decisiones acerca de cambiar las prácticas correspondientes al cuidado del césped o aguas pluviales, *¿qué importancia tienen cada uno de los siguientes puntos?*

	No son importantes	Poco importantes	Indefinido	Importantes	Muy importantes
1. Gastos menores personales	☐	☐	☐	☐	☐
2. Mis propias habilidades físicas	☐	☐	☐	☐	☐
3. Falta de información disponible sobre las prácticas	☐	☐	☐	☐	☐
4. Ninguno de mis conocidos implementa la práctica	☐	☐	☐	☐	☐
5. Aprobación de mis vecinos	☐	☐	☐	☐	☐
6. Convenios restrictivos en mi subdivisión	☐	☐	☐	☐	☐
7. No sé donde conseguir información o ayuda acerca de las prácticas	☐	☐	☐	☐	☐
8. Daño ambiental por causa de la práctica	☐	☐	☐	☐	☐
9. Beneficio ambiental por causa de la práctica	☐	☐	☐	☐	☐
10. Preocupación acerca del valor de reventa	☐	☐	☐	☐	☐
11. No soy propietario de la vivienda	☐	☐	☐	☐	☐

Fuentes de información

Las personas obtienen información sobre la calidad del agua de una cantidad de fuentes diferentes. *¿En qué medida confía en las organizaciones enumeradas a continuación como fuente de información sobre la calidad del agua?*

	Nada	Muy poco	En forma moderada	Mucho	No estoy al tanto
1. Lower Fall Creek Watershed Alliance	☐	☐	☐	☐	☐
2. Distrito de preservación del agua y de los suelos (SWCD)	☐	☐	☐	☐	☐
3. Servicio de preservación de los recursos naturales (NRCS)	☐	☐	☐	☐	☐
4. Departamento de recursos naturales de Indiana (IDNR)	☐	☐	☐	☐	☐
5. Departamento de administración de protección ambiental de Indiana (IDEM)	☐	☐	☐	☐	☐
6. Grupos de acción ciudadana	☐	☐	☐	☐	☐
7. Terratenientes/amigos locales	☐	☐	☐	☐	☐
8. Universidades	☐	☐	☐	☐	☐
9. Grupos de servicio a la comunidad	☐	☐	☐	☐	☐
10. Jardinería y clubes recreativos	☐	☐	☐	☐	☐
11. Fideicomiso de propiedades (por ejemplo: TNC, CILTI)	☐	☐	☐	☐	☐
12. Gobierno local	☐	☐	☐	☐	☐
13. Empresas de desarrollo comunitario (CDC)	☐	☐	☐	☐	☐
14. Asociaciones vecinales	☐	☐	☐	☐	☐
15. Organizaciones religiosas	☐	☐	☐	☐	☐
16. Organizaciones juveniles	☐	☐	☐	☐	☐
17. Emisoras de televisión de alcance local	☐	☐	☐	☐	☐

1. ¿Usted sabe cómo contactarse con un representante del gobierno local?

☐ Sí
☐ No

2. ¿Cuántas veces en el último año ha llamado a un representante del gobierno local?

☐ Nunca
☐ Una vez
☐ 2 a 5 veces
☐ Más de 5 veces

3. ¿Usted sabe cómo funciona la urbanización?

☐ Sí
☐ No

4. ¿Cuántas veces en el último año ha asistido a una reunión del gobierno local?

☐ Nunca
☐ Una vez
☐ 2 a 5 veces
☐ Más de 5 veces

Recursos de agua de Lower Fall Creek

1. **¿Vive cerca de un lago o arroyo?**
   - ☐ Propiedad en la zona ribereña
   - ☐ A ¼ de milla
   - ☐ A ½ milla
   - ☐ A 1 milla
   - ☐ Más lejos

2. **¿Participa en alguna de las siguientes actividades de recreación acuáticas en esta área? (marque las que correspondan)**
   - ☐ Paseos en bote
   - ☐ Natación
   - ☐ Pesca
   - ☐ Ninguna

3. **¿Usted vive en un lugar afectado negativamente por la calidad de agua deficiente?**
   - ☐ Sí
   - ☐ No

4. **¿La calidad del agua deficiente afecta sus actividades?**
   - ☐ Sí
   - ☐ No

5. **¿La calidad del agua deficiente afecta el valor de su propiedad?**
   - ☐ Sí
   - ☐ No

6. **¿Cuál de los siguientes puntos realiza en forma regular? (marque las que correspondan)**
   - ☐ Conduce un vehículo híbrido
   - ☐ Recicla
   - ☐ Viaja en transporte público
   - ☐ Va caminando o en bicicleta al trabajo/escuela
   - ☐ Utiliza bombillas fluorescentes compactas
   - ☐ Otra (especificar)_____

7. **¿Usted toma las decisiones de cuidado del hogar y césped en su núcleo familiar?**
   - ☐ Sí
   - ☐ No

8. **¿Cuál es su sexo?**
   - ☐ Masculino
   - ☐ Femenino

9. **¿En qué año nació?** _____

10. **¿Cuál es el grado de estudio superior que completó?**
    - ☐ Algún grado de escuela secundaria
    - ☐ Título de escuela secundaria (GED)
    - ☐ Universitario
    - ☐ Título universitario de dos años
    - ☐ Título universitario de 4 años
    - ☐ Título de postgrado

11. **¿Cuál es el tamaño aproximado de su lote de vivienda (residencial)?**
    - ☐ ¼ de acre o menos
    - ☐ Más de ¼ de acre pero menos de 1 acre
    - ☐ 1 acre a menos de 5 acres
    - ☐ 5 acres o más

12. **¿Es propietario o inquilino?**
    - ☐ Propietario
    - ☐ Inquilino

13. **¿Por cuánto tiempo ha vivido en su residencia actual?** _____ **años**

14. **¿Cuál es su fuente de agua potable?**
    - ☐ Pozo individual
    - ☐ Pozo municipal
    - ☐ Fall Creek
    - ☐ Eagle Creek

15. **¿Cuál es su código postal?** _____

16. **Además de su residencia, ¿cuál de las siguientes administra o de cuál es propietario? (marque las que correspondan)**
    - ☐ Una operación agrícola
    - ☐ Tierra forestada
    - ☐ Propiedad rural recreativa
    - ☐ Ninguna

17. **¿Utiliza un servicio profesional de cuidado de césped?**
    - ☐ Sí, sólo para cortar el césped
    - ☐ Sí, para cortar el césped y fertilizar
    - ☐ Sí, sólo para la fertilización y control de pestes
    - ☐ Sí, para cortar el césped, fertilizar y controlar pestes
    - ☐ No

18. **En los últimos tres años, ¿ha escuchado hablar sobre cuestiones de calidad del agua en alguno de los siguientes? (marque las que correspondan)**
    - ☐ Boletines/folletos/hojas de datos
    - ☐ Internet
    - ☐ Talleres/demostraciones/reuniones
    - ☐ Radio – Nombre de la emisora: _____
    - ☐ Periódicos – Nombre de la publicación: _____
    - ☐ Televisión – Nombre de la emisora: _____
    - ☐ Boleta del agua – Nombre del proveedor: _____
    - ☐ Avisos en negocios locales
    - ☐ Avisos publicados en el tablón de anuncios de la comunidad
    - ☐ Carteleras
    - ☐ Conversaciones con otras personas
    - ☐ Otro (especificar) _____
    - ☐ Ninguno

19. **¿Cuál es su origen étnico?**
    - ☐ Afroamericano
    - ☐ Indígena de Estados Unidos
    - ☐ Isleño asiático/asiático americano/del Pacífico
    - ☐ Hispano/Latino
    - ☐ Blanco/Caucásico
    - ☐ Mestizo
    - ☐ Otro

20. **¿Cuál es su ocupación? (por favor, sea lo más específico posible)**

    _____

    _____

Acerca de usted

Recursos de agua de Lower Fall Creek

Gracias

¡*Gracias* por su tiempo y colaboración!

Por favor envíe el cuestionario completo en el sobre con franqueo prepago provisto. Utilice el espacio a continuación para comentarios adicionales sobre esta encuesta o recursos del agua en su comunidad.

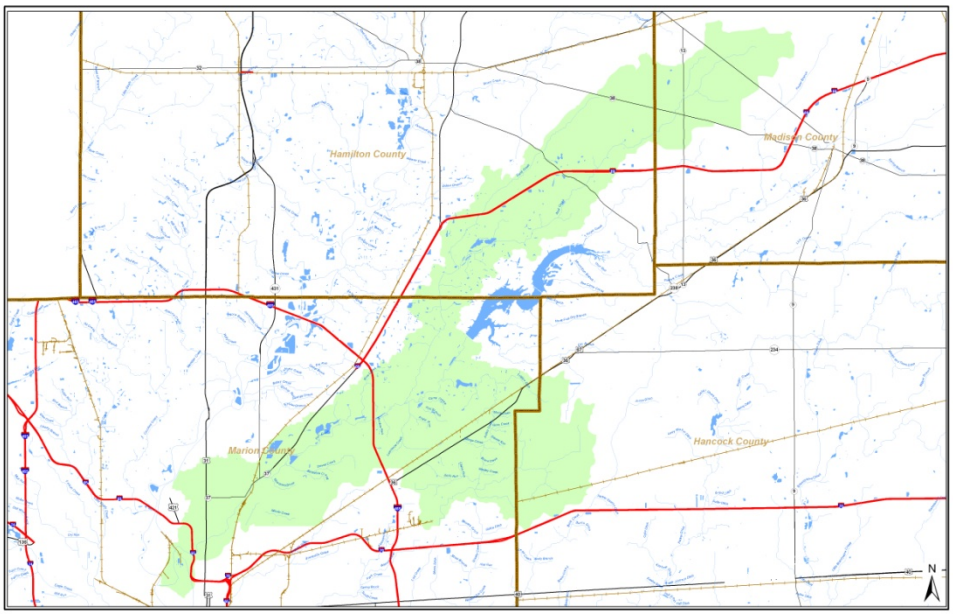
Para más información sobre Lower Fall Creek Watershed Alliance, visite www.lowerfallcreek.org o comuníquese con Ron Lauster al (317) 786-1776.

Para más información acerca de esta encuesta, comuníquese con Linda Prokopy al (765) 496-2221.

Los resultados de la encuesta estarán disponibles en febrero de 2009, en www.lowerfallcreek.org.

Printed on 30% post-consumer content paper

Results: Your Views on Lower Fall Creek Water Resources



The purpose of this study was to collect social indicators data from residents of the Lower Fall Creek watershed to inform the Project's planning and implementation activities. The results of this survey also provide baseline social indicator information that may be used for comparison with a follow up survey in order to examine changes that occurred in the watershed over the project's lifetime.

The questions in the survey were developed by a regional team of researchers for utilization in nonpoint source pollution (NPS) projects. More information about this regional project can be found at: http://www.uwex.edu/ces/regionalwaterquality/flagships/indicators.htm Social indicators data collected include awareness of water quality issues, sources, and practices for improvement; general water quality attitudes and attitudes toward implementation of practices; and behavior. In Fall of 2008, a survey was mailed to residents of Marion County using a stratified sampling approach in which census tracts with high percentages of African Americans and Latinos were oversampled to ensure their representation in the final dataset. The survey covered the social indicators developed for use in 319 funded watershed projects. The survey was mailed to over 1000 residents but only 692 addresses were valid (i.e. mailings were not returned as undeliverable). Only 187 people completed the survey leading to a very low response rate of only 27%. A follow-up focus group was held to get a better sense of residents' awareness, attitudes, and practices related to water quality in the watershed.

In the survey results, you will find that the number of people answering each question is different. This is a result of all respondents not answering every question. The total in each table is the total number of people answering that question. The numbers in the columns represent the percentage of respondents who chose that response. The results have not been weighted.

This report was prepared for the Lower Fall Creek Watershed Project by:

Natural Resource Social Science Lab
Department of Forestry and Natural Resources
Purdue University
(765) 496-2221

Your Watershed:

Overall, *how would you rate the quality of water* in your area?

	Poor (1)	Okay (2)	Good (3)	Don't Know	Mean (n)
1. For canoeing/kayaking/boating	13.3	26.5	10.8	49.4	1.95 (166)
2. For eating fish caught in the water	45.5	12.6	4.2	37.7	1.34 (167)
3. For swimming	50.6	13.3	5.4	30.7	1.35 (166)
4. For picnicking/family activities	17.6	46.1	16.4	20.0	1.98 (165)
5. For fish habitat	26.5	25.3	12.7	35.5	1.79 (166)
6. For scenic beauty	13.1	47.6	31.0	8.3	2.19 (168)

Do you live in a watershed? n=175
31.4% -Yes
20.6% -No
48.0% -Don't know

Do you know where the water goes when it runs off your property? n=166
56.0% - No, I don't know
44.0 % - Yes, it goes to: (see appendix A)

Your Opinions:

Please indicate your level of agreement or disagreement with the statements below.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	Mean (n)
1. The economic stability of my community depends upon good water quality.	1.7	6.7	17.4	47.8	26.4	3.90 (178)
2. The way that I care for my lawn and yard can influence water qulity in local streams and lakes.	2.2	7.8	13.9	50.6	25.6	3.89 (180)
3. It is my personal responsibility to help protect water quality.	2.2	3.4	12.4	53.9	28.1	4.02 (178)
4. It is important to protect water quality even if it slows economic development.	1.7	4.5	18.4	52.5	22.9	3.91 (179)
5. What I do on my land doesn't make much difference in overall water quality.	25.8	44.4	15.2	12.4	2.2	2.21 (178)
6. Lawn and yard-care practices (on individual lots) do not have an impact on local water quality.	29.2	44.9	16.3	8.4	1.1	2.07 (178

7. My actions have an impact on water quality.	2.2	3.3	16.7	56.1	21.7	3.92 (180)
8. Taking action to improve water quality is too expensive for me.	8.5	31.1	44.6	13.6	2.3	2.70 (177)
9. It is okay to reduce water quality to promote economic development.	39.8	38.6	14.8	5.1	1.7	1.90 (176)
10. It is important to protect water quality even if it costs me more.	3.4	8.4	28.7	48.9	10.7	3.55 (178)
11. I would be willing to pay more to improve water quality (for example: through local taxes or fees).	7.3	13.5	31.5	41.6	6.2	3.26 (178)
12. I would be willing to change the way I care for my lawn and yard to improve water quality.	1.1	5.0	19.4	57.8	16.7	3.84 (180)
13. The quality of life in my community depends on good water quality in local streams, rivers and lakes.	1.7	7.3	15.2	53.4	22.5	3.88 (178)
14. Developers in my community follow current regulations.	2.8	10.2	68.2	14.8	4.0	3.07 (176)
15. Construction in my community should use practices that minimize soil erosion.	1.1	2.8	12.8	53.6	29.6	4.08 (179)
16. I would choose to purchase a home in a neighborhood that uses water quality conservation measures.	0.6	1.1	27.7	49.2	21.5	3.90 (177)

Water Impairments:

Below is a list of water pollutants that are generally present in water bodies to some extent. The pollutants and conditions become a problem when present in excessive amounts. In your opinion, *how much of a problem are the following pollutants in your area*?

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know	Mean (n)
1. Sediments	12.2	5.2	18.0	9.3	55.2	2.55 (172)
2. Nitrates/nitrogen	9.2	5.8	12.7	5.8	66.5	2.45 (173)
3. Phosphate/phosphorus	7.1	3.5	13.5	7.1	68.8	2.66 (170)
4. *E.coli*	12.9	6.4	8.2	9.9	62.6	2.41 (171)
5. Trash and debris	8.6	18.4	22.4	23.0	27.6	2.83 (174)
6. Salt (i.e. road salt)	8.8	10.5	21.1	8.8	50.9	2.61 (171)
7. Automotive fluids (e.g. MTBE, oil & grease, antifreeze)	12.6	9.8	13.2	12.6	51.7	2.54 (174)
8. Blue-green algae	9.7	5.7	20.6	12.6	51.4	2.74 (175)

9. Exotic or invasive aquatic plants	14.9	8.6	11.5	5.2	59.8	2.17 (174)
10. Flow alteration (e.g. large discharges from Geist Reservoir)	14.9	7.5	7.5	2.9	67.2	1.95 (174)
11. Habitat alteration (e.g. land use change)	12.1	9.2	12.1	11.5	55.2	2.51 (174)

Sources of Pollutants:

The items listed below are sources of water quality pollution across the country. In your opinion, *how much of a problem are the following sources in your area*?

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know	Mean (n)
1. Soil erosion from construction sites	16.9	16.3	21.5	7.6	37.8	2.32 (172)
2. Excessive use of lawn fertilizers and/or pesticides (from golf courses, sports fields, homes)	14.0	17.4	20.9	17.4	30.2	2.60 (172)
3. Improper disposal of used motor oil and/or antifreeze	11.0	18.0	15.1	11.0	44.8	2.47 (172)
4. Sewage from combined sewer overflows or failing septic tanks	15.3	10.8	15.3	23.3	35.2	2.72 (176)
5. Stormwater runoff (e.g. roofs, driveways, streets)	13.3	22.5	26.0	15.6	22.5	2.57 (173)
6. Droppings from wildlife and pets	18.9	26.3	13.7	8.0	33.1	2.16 (175)
7. Littering/illegal dumping of trash	12.8	23.8	22.1	21.5	19.8	2.65 (172)
8. Streambank or shoreline modification/destabilization	16.0	9.1	15.4	7.4	52.0	2.30 (175)
9. Conversion of forest land and wetlands to urban use	14.9	10.3	18.3	20.0	36.6	2.68 (175)
10. Discarded medications	13.9	13.9	12.1	11.0	49.1	2.40 (173)

Consequences of Poor Water Quality:

Poor water quality can lead to a variety of consequences for communities. In your opinion, *how much of a problem are the following issues in your area*?

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know	Mean (n)
1. Contaminated fish resulting in Fish Consumption Advisories	13.4	12.2	17.4	12.8	44.2	2.53 (172)
2. High drinking water treatment costs	9.2	13.3	20.2	19.1	38.2	2.79 (173)
3. Reduced beauty of lakes or streams	14.6	20.5	21.1	18.7	25.1	2.59 (171)

4. Reduced opportunities for water recreation (e.g. swimming and boating)	12.8	13.4	22.1	22.1	29.7	2.76 (172)
5. Fish kills	12.8	14.5	21.5	18.0	33.1	2.67 (172)
6. Decreased property value	16.5	12.4	14.7	15.9	40.6	2.50 (170)
7. Decrease in fish and wildlife populations due to exposure to hormone-mimics (from improperly disposed of medications)	12.8	7.6	13.4	11.6	54.7	2.53 (172)

Practices to Improve Water Quality:

Controlling erosion: Controlling erosion along streambanks and shorelines with vegetation and other practices.

1. Do you use or have you ever used erosion controls? n=174

10.3% -Currently use (go directly to table below)

10.3% -Don't currently use (go to question 3)

79.3% -Never used (go to question 2)

2. How familiar are you with erosion controls? n=154

39.6% -Never heard of it

52.6% -Somewhat familiar with

7.8% -Know how to use it; not using

3. Are you willing to try erosion controls? n=157

29.9% -Yes

52.9% -Maybe

17.2% -No

4. On a scale of 1-5, which of the following factors would prevent you from using erosion controls?

Not a problem ----------Major problem

	1	2	3	4	5	Mean (n)
Lack of skills	24.8	9.0	30.3	19.3	16.6	2.94 (145)
Lack of equipment	16.4	5.5	24.0	26.0	28.1	3.44 (146)
Doesn't fit with current practices	31.9	8.5	31.9	17.0	10.6	2.66 (141)
Too much time required	25.7	13.9	35.4	14.6	10.4	2.70 (144)
My views about home management	36.4	16.4	30.0	10.7	6.4	2.34 (140)

Prior personal experience	34.0	16.3	26.2	13.5	9.9	2.49 (141)
Does not apply to my home	39.0	10.4	29.3	9.8	11.6	2.45 (164)

Follow manufacturer guidelines: Following pesticide application instructions for lawn and garden.

1. Do you now or have you ever followed manufacturer guidelines? n=163

40.5% -Currently use (go directly to table below)
30.7% -Don't currently use (go to question 3)
28.8% -Never used (go to question 2)

2. How familiar are you with following manufacturer guidelines? n=94
29.8% -Never heard of it
41.5% -Somewhat familiar with
28.7% -Know how to use it; not using

3. Are you willing to try following manufacturer guidelines? n=111
51.4% -Yes
36.9% -Maybe
11.7% -No

4. On a scale of 1-5, which of the following factors would prevent you from using pesticides?

Not a problem ----------Major problem

	1	2	3	4	5	Mean (n)
Lack of skills	40.0	15.6	20.7	8.1	15.6	2.44 (135)
Lack of equipment	31.7	16.5	23.0	12.9	15.8	2.65 (139)
Doesn't fit with current practices	36.8	12.0	28.6	7.5	15.0	2.52 (133)
Too much time required	38.6	18.9	27.3	7.6	7.6	2.27 (132)
My views about home management	39.1	17.4	23.9	7.2	12.3	2.36 (138)
Prior personal experience	43.5	13.0	28.2	5.3	9.9	2.25 (131)
Does not apply to my home	46.1	11.3	28.4	4.3	9.9	2.21 (141)

Low-phosphate fertilizers: Using low-phosphate fertilizers for lawn and garden.

1. Do you use or have you ever used low-phosphate fertilizers? n=173
16.2% -Currently use (go directly to table below)
28.3% -Don't currently use (go to question 3)
55.5% -Never used (go to question 2)

2. How familiar are you with low-phosphate fertilizers? n=131
51.1% -Never heard of it
34.4% -Somewhat familiar with
14.5% -Know how to use it; not using

3. Are you willing to try low-phosphate fertilizers? n=146
25.3% -Yes
54.1% -Maybe
20.5% -No

4. On a scale of 1-5, which of the following factors would prevent you from using low-phosphate fertilizers?

Not a problem ----------Major problem

	1	2	3	4	5	Mean (n)
Lack of skills	39.4	8.0	26.3	6.6	19.7	2.59 (137)
Lack of equipment	32.6	10.6	25.5	12.8	18.4	2.74 (141)
Doesn't fit with current practices	37.3	9.7	34.3	7.5	11.2	2.46 (134)
Too much time required	37.3	12.7	33.6	6.7	9.7	2.39 (134)
My views about home management	38.1	14.4	28.8	7.9	10.8	2.39 (139)
Prior personal experience	43.6	9.8	30.1	6.0	10.5	2.30 (133)
Does not apply to my home	47.9	7.0	26.8	6.3	12.0	2.27 (142)

Rain barrels and rain gardens: **Rain barrels are above ground water storage vessels that capture rain. Rain gardens are designed to absorb and filter stormwater. They are usually designed to collect stormwater from a house.**

1. Do you use or have you ever used rain barrels or rain gardens? n=178
6.2% -Currently use (go directly to table below)
15.2% -Don't currently use (go to question 3)
78.7% -Never used (go to question 2)

2. How familiar are you with rain barrels or rain gardens? n=157
33.1% -Never heard of it
44.6% -Somewhat familiar with
22.3% -Know how to use it; not using

3. Are you willing to try rain barrels or rain gardens? n=164
32.3% -Yes
46.3% -Maybe
21.3% -No

4. On a scale of 1-5, which of the following factors would prevent you from using rain barrels or rain gardens?

Not a problem ----------Major problem

	1	2	3	4	5	Mean (n)
Lack of skills	36.6	13.1	21.4	10.3	18.6	2.61 (145)
Lack of equipment	22.3	8.8	25.7	14.2	29.1	3.19 (148)
Doesn't fit with current practices	37.9	6.9	29.7	12.4	13.1	2.56 (145)
Too much time required	35.9	13.1	31.7	6.2	13.1	2.48 (145)
My views about home management	40.8	16.2	28.9	6.3	7.7	2.24 (142)
Prior personal experience	39.9	14.7	23.8	6.3	15.4	2.43 (143)
Does not apply to my home	45.0	11.9	25.2	5.3	12.6	2.28 (151)

Making Decisions for My Property:

Please indicate which statement *most accurately describes your level of experience with each practice*.

	Never heard of it	Somewhat familiar with it	Know how to use; not using	Currently use it	Mean (n)
1. Restoring native plant communities and planting trees	20.2	50.3	16.8	12.7	2.22 (173)
2. Keeping grass clippings and leaves out of the roads, ditches and gutters	7.0	33.1	5.8	54.1	3.07 (172)
3. Properly disposing of household wastes (such as batteries, medicines, cleaners)	6.4	23.4	10.5	59.6	3.23 (171)
4. Not putting chemicals down sewers	4.1	18.6	12.2	65.1	3.38 (172)
5. Disconnecting downspouts from direct access to storm drains	24.7	25.9	10.0	39.4	2.64 (170)
6. Reporting suspected violations of water quality regulations (e.g. contact neighborhood association, call TIP-line)	45.6	31.2	13.5	8.8	1.85 (170)
7. Participating in environmental education outreach with neighborhood groups	47.4	33.5	13.9	5.2	1.77 (173)

When you make decisions about changing your lawn care and/or stormwater practices, *how important is each of the following*?

	Not at all important	Somewhat important	Undecided	Important	Very important	Mean (n)
1. Personal out-of-pocket expense	1.1	14.4	16.7	31.6	36.2	3.87 (174)
2. My own physical abilities	7.5	13.8	13.2	37.4	28.2	3.65 (174)
3. Lack of available information about a practice	3.0	14.5	22.4	41.8	18.2	3.58 (165)
4. No one else I know is implementing the practice	31.5	11.3	31.5	13.1	12.5	2.64 (168)
5. Approval of my neighbors	38.0	14.0	25.7	13.5	8.8	2.41 (171)
6. Restrictive covenants in my subdivision	35.7	8.9	30.4	12.5	12.5	2.57 (168)
7. Don't know where to get information and/or assistance about the practice	8.8	15.2	22.2	32.7	21.1	3.42 (171)

8. Environmental damage caused by practice	2.9	7.6	22.4	38.8	28.2	3.82 (170)
9. Environmental benefit of practice	2.4	3.6	20.2	39.9	33.9	3.99 (168)
10. Concerns about resale value	7.1	10.6	18.8	34.1	29.4	3.68 (170)
11. I do not own my own property	45.3	4.7	14.0	18.7	17.3	2.58 (150)

Information Sources

People get information about water quality from a number of different sources. To what extent *do you trust the organizations list below as a source of information about water quality*?

	Not at all	Slightly	Moderately	Very much	Am not familiar	Mean (n)
1. Lower Fall Creek Watershed Alliance	5.2	5.7	20.1	10.9	58.0	2.88 (174)
2. Soil and Water Conservation District (SWCD)	3.5	5.3	20.5	15.2	55.6	3.07 (171)
3. Natural Resources Conservation Service (NRCS)	3.0	7.8	22.8	13.8	52.7	3.00 (167)
4. Indiana Department of Natural Resources (IDNR)	1.8	8.8	36.3	25.7	27.5	3.19 (171)
5. Indiana Department of Environmental Management (IDEM)	2.9	8.2	29.8	25.1	33.9	3.17 (171)
6. Citizen action groups	5.9	15.3	28.2	12.9	37.6	2.77 (170)
7. Local landowners/friends	4.1	27.6	27.1	9.4	31.8	2.61 (170)
8. Universities	5.3	14.1	28.2	25.3	27.1	3.01 (170)
9. Community service groups	7.1	16.5	31.2	8.8	36.5	2.66 (170)
10. Gardening and recreational clubs	7.7	18.9	23.7	10.7	39.1	2.61 (169)
11. Land Trusts (e.g. TNC, CILTI)	8.9	10.1	16.0	7.7	54.7	2.53 (169)
12. Local government	11.8	23.5	31.2	10.0	23.5	2.52 (170)
13. Community Development Corporations (CDCs)	12.4	15.9	17.1	5.9	48.8	2.32 (170)
14. Neighborhood associations	9.8	20.8	25.4	16.2	27.7	2.66 (173)
15. Religious organizations	23.5	16.5	22.9	7.1	30.0	2.19 (170)

16. Youth organizations	22.8	13.5	22.8	7.0	33.9	2.21 (171)
17. Local access television stations	8.8	25.1	33.3	9.9	22.8	2.58 (171)

1. Do you know how to contact a local government representative? n=179
64.2% -Yes
35.8% -No

2. How many times in the last year have you called a local government representative? n=179
70.9% -Never
14.0% -Once
12.3% -2 – 5 times
2.8% -More than 5 times

3. Do you know how zoning works? n=176
41.5%-Yes
58.5% -No

4. How many times in the last year have you attended a local government meeting? n=178
80.3% -Never
12.4% -Once
5.6% -2 – 5 times
1.7% -More than 5 times

About You:

1. Do you live in close proximity to a lake or stream? n=174
4.6% -Waterfront property
13.2% -Within ¼ mile
12.1% -Within ½ mile
27.0% -Within a mile
43.1% -Further

2. Do you participate in any of the following water-based recreation activities in this area? (check all that apply) n=185
11.4% -Boating
9.2% -Swimming
14.1% -Fishing
73.5% -None of the above

3. Do you live in a place adversely affected by poor water quality? n=168
30.4% -Yes
69.6% -No

4. Does poor water quality impact your activities? n=172
33.7% -Yes
66.3% -No

5. Does poor water quality impact your property values?
32.9% -Yes
67.1% -No

6. Which of the following do you do on a regular basis? (check all that apply) n=185
3.2% -Drive a hybrid vehicle
51.9% -Recycle
5.9% -Take public transportation
11.4% -Walk/bike to work/school
60.5% -Use compact fluorescent light bulbs
8.6% -Other (specify: see appendix B)

7. Do you make the home and lawn care decisions in your household? n=173
9.2% -No
90.8% -Yes

8. What is your gender? n=175
49.7% -Male
50.3% -Female

9. In what year were you born? n=161
range = 1918-1987 mean=1950.88

10. What is the highest grade in school you have completed? n=170
3.5% - Some formal schooling
22.9% - High school diploma/GED
22.4% - Some college
11.8% - 2 year college degree
28.8% - 4 year college degree
10.6% - Post-graduate

11. What is the approximate size of your residential lot? n=168
47.0% - ¼ acre or less
33.3% - more than ¼ acre but less than 1 acre
16.7% - 1 acre to less than 5 acres
3.0% - 5 acres or more

12. Do you own or rent your home? n=172
89.5% - Own
10.5% - Rent

13. How long have you lived at your current residence? n=171
range=0.08-64 years mean=17.85

14. What is the source of your drinking water? n=138
4.3% -Individual well
39.9% -Municipal well
55.1% -Fall Creek
0.7% -Eagle Creek

15. What is your zip code? n=174
(See appendix D)

16. In addition to your residence, which of the following do you own or manage? (check all that apply) n=184
0.5% - An agricultural operation
1.6% - Forested land
3.3% - Rural recreational property
88.0% - None of these

17. Do you use a professional lawn care service? n=175
5.7% - Yes, just for mowing
7.4% - Yes, for mowing and fertilizing
9.7% - Yes, just for fertilizing and pest control
2.9% - Yes, for mowing, fertilizing, and pest control
74.3% - No

18. In the past three years, have you heard about water quality issues in any of the following? (check all that apply) n=185

31.9% -Newsletters/brochures/fact sheets
13.5% -Internet
3.2% -Workshops/demonstrations/meetings
9.7% -Radio – Station name: (see appendix C)
31.9% -Newspapers – Name of publication: (see appendix C)
29.2% -Television – Station name: (see appendix C)
31.4% -Water bill – Name provider: (see appendix C)
2.7% -Notices posted at local businesses
2.7% -Notices posted on community bulletin boards
2.7% -Billboards
22.2% -Conversations with others
2.2% -Other (please specify: see appendix C)
21.1% -None of the above

19. What is your ethnicity? n=171

39.2% -African American
0.6% -American Indian
2.3% -Asian/Asian American/Pacific Islander
0.6% -Hispanic/Latino
51.5% -White/Caucasian
1.2% -Multi-racial
4.7% -Other

20. What is your occupation? (please be as specific as possible)
(see appendix E)

Appendix A:

Do you know where the water goes when it runs off your property? Yes it goes to:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		108	58.7	58.7	58.7
	a sewer system	1	.5	.5	59.2
	Butler Canal	1	.5	.5	59.8
	city sewer	2	1.1	1.1	60.9
	city sewer system	1	.5	.5	61.4
	creek - feed to Fall Creek	1	.5	.5	62.0
	creek across the street	1	.5	.5	62.5
	creek below the house to Fall Creek	1	.5	.5	63.0
	Devon Creek into Fall Creek	1	.5	.5	63.6
	Devon Lake > Berkshire Creek > Fall Creek	1	.5	.5	64.1
	disch	1	.5	.5	64.7
	down the drain on the street	1	.5	.5	65.2
	evaporation	1	.5	.5	65.8
	eventually into Fall Creek	1	.5	.5	66.3
	Fall Creek	13	7.1	7.1	73.4
	Fall Creek and my septic tank	1	.5	.5	73.9
	in the man holes	1	.5	.5	74.5
	in the sewer	1	.5	.5	75.0
	Indian Creek	1	.5	.5	75.5
	Indian Lake, Fall Creek, White River	1	.5	.5	76.1
	into a sewer line	1	.5	.5	76.6
	into the city sewer system	1	.5	.5	77.2
	into the ground	1	.5	.5	77.7
	into the Lawrence storm-sewer system in our street	1	.5	.5	78.3
	Kesslerwood East Lake and Fall Creek	1	.5	.5	78.8
	Lake Maxinhall	1	.5	.5	79.3
	Mud Creek	2	1.1	1.1	80.4

Mud Creek???	1	.5	.5	81.0
Pouque Run	1	.5	.5	81.5
retension pond	1	.5	.5	82.1
sewer	13	7.1	7.1	89.1
sewer drain	1	.5	.5	89.7
sewer in backyard	1	.5	.5	90.2
sewers	1	.5	.5	90.8
Sewers and settles in some backyards	1	.5	.5	91.3
sits in the street until it evaporates	1	.5	.5	91.8
small streams --> Fall Creek	1	.5	.5	92.4
soil	1	.5	.5	92.9
storm sewer	3	1.6	1.6	94.6
storm sewer in street	1	.5	.5	95.1
storm sewers in the street	1	.5	.5	95.7
the Crooked Creek	1	.5	.5	96.2
the lot to the north of me	1	.5	.5	96.7
the river	1	.5	.5	97.3
the sewer	1	.5	.5	97.8
west on Pleasant Woods to drain to pond by VFW	1	.5	.5	98.4
white river	1	.5	.5	98.9
woods behind house	1	.5	.5	99.5
ditch in front of my yard - neighborhood creek - Fall Creek	1	.5	.5	100.0
Total	184	100.0	100.0	

Appendix B:

Which of the following do you do on a regular basis?:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		165	89.2	89.2	89.2
	buy environmetlal safe products	1	.5	.5	89.7
	buy water (distilled) to drink	1	.5	.5	90.3
	car	1	.5	.5	90.8
	car pool	1	.5	.5	91.4
	carpool	1	.5	.5	91.9
	compost yard debris and vegetable food waste	1	.5	.5	92.4
	compost, don't water lawn	1	.5	.5	93.0
	Conserve water, don't water lawn, conserve electicity, now hanging laundry to dry	1	.5	.5	93.5
	don't mow or use -icides	1	.5	.5	94.1
	drive as little as possible	1	.5	.5	94.6
	feed nature's animals, birds, squirrels	1	.5	.5	95.1
	high efficiency appliance	1	.5	.5	95.7
	no	1	.5	.5	96.2
	none	2	1.1	1.1	97.3
	organic fertilizer, reel(manual) lawnmower	1	.5	.5	97.8
	rain barrel, clothes line use, composting	1	.5	.5	98.4
	Rain recycle	1	.5	.5	98.9
	Runner	1	.5	.5	99.5
	shut off water while taking a shower and brushing teeth	1	.5	.5	100.0
	Total	185	100.0	100.0	

Appendix C:

Radio Station:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		176	95.1	95.1	95.1
	106.7 FM	1	.5	.5	95.7
	NPR	4	2.2	2.2	97.8
	PBS	1	.5	.5	98.4
	WFYI	1	.5	.5	98.9
	WIBC	1	.5	.5	99.5
	WTLC	1	.5	.5	100.0
	Total	185	100.0	100.0	

Newspaper Publication:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		142	76.8	76.8	76.8
	Indianapolis News	1	.5	.5	77.3
	Indianapolis Star	26	14.1	14.1	91.4
	Indianapolis Star & News	1	.5	.5	91.9
	Indianapolis Star News	1	.5	.5	92.4
	Indpls. Star	1	.5	.5	93.0
	Indy Star	6	3.2	3.2	96.2
	star	1	.5	.5	96.8
	Star	6	3.2	3.2	100.0
	Total	185	100.0	100.0	

Television Stations:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		153	82.7	82.7	82.7
	#59	1	.5	.5	83.2
	13-59	1	.5	.5	83.8

6,8,13	1	.5	.5	84.3
All	1	.5	.5	84.9
all stations	1	.5	.5	85.4
All stations news	1	.5	.5	85.9
CBS	2	1.1	1.1	87.0
CBS NBC ABC	1	.5	.5	87.6
CBS News	1	.5	.5	88.1
Ch 8 & 13	1	.5	.5	88.6
Channel 6 evening news	1	.5	.5	89.2
Indianapolis Stations	1	.5	.5	89.7
NBC	1	.5	.5	90.3
NBC, WTHR	1	.5	.5	90.8
NBS, CBS, ABC, Fox News	1	.5	.5	91.4
several	1	.5	.5	91.9
WFYI	1	.5	.5	92.4
WHTR	1	.5	.5	93.0
WHTR, WTTV	1	.5	.5	93.5
WISH	1	.5	.5	94.1
WISH Ch 8	1	.5	.5	94.6
Wish TV	1	.5	.5	95.1
WISH TV 8	1	.5	.5	95.7
WISH, WTHR	1	.5	.5	96.2
WISH, WTHR, WRTV	1	.5	.5	96.8
WRTV6	2	1.1	1.1	97.8
WRTV6, WISH8, WTHR13	1	.5	.5	98.4
WTHR	2	1.1	1.1	99.5
WTHR, WRTV, WISH	1	.5	.5	100.0
Total	185	100.0	100.0	

Water Provider:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		142	76.8	76.8	76.8
	Indianapolis Water	9	4.9	4.9	81.6
	Indianapolis Water - Veolia	1	.5	.5	82.2

	Indianapolis Water Co.	6	3.2	3.2	85.4
	Indianapolis Water Company	1	.5	.5	85.9
	Indianpolis Water	1	.5	.5	86.5
	Indianpolis water co	1	.5	.5	87.0
	Indpls. Water	1	.5	.5	87.6
	IPL	1	.5	.5	88.1
	Lawrence	1	.5	.5	88.6
	Lawrence Utilities	9	4.9	4.9	93.5
	Lawrence Water	1	.5	.5	94.1
	Lawrence Water Co.	1	.5	.5	94.6
	super markets	1	.5	.5	95.1
	Veola	3	1.6	1.6	96.8
	VEOLA	1	.5	.5	97.3
	Veolia	4	2.2	2.2	99.5
	Veolia Water	1	.5	.5	100.0
	Total	185	100.0	100.0	

Other:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		181	97.8	97.8	97.8
	barber shop	1	.5	.5	98.4
	home owners association	1	.5	.5	98.9
	IDEM	1	.5	.5	99.5
	red signs at river	1	.5	.5	100.0
	Total	185	100.0	100.0	

Appendix D:

What is your zip code?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	8	1	.5	.6	.6
	46055	1	.5	.6	1.1
	46202	1	.5	.6	1.7
	46205	22	11.9	12.6	14.4
	46206	1	.5	.6	14.9
	46208	17	9.2	9.8	24.7
	46218	23	12.4	13.2	37.9
	46220	5	2.7	2.9	40.8
	46226	59	31.9	33.9	74.7
	46228	1	.5	.6	75.3
	46235	5	2.7	2.9	78.2
	46236	16	8.6	9.2	87.4
	46239	1	.5	.6	87.9
	46250	1	.5	.6	88.5
	46256	17	9.2	9.8	98.3
	46308	1	.5	.6	98.9
	462051031	1	.5	.6	99.4
	462085452	1	.5	.6	100.0
	Total	174	94.1	100.0	
Missing	System	11	5.9		
Total		185	100.0		

Appendix E:

What is your occupation?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		22	11.9	11.9	11.9
	401(K) Plan Administrator	1	.5	.5	12.4
	Account manager for audio visual rental company	1	.5	.5	13.0
	Accounting Technician	1	.5	.5	13.5
	Admin assistant	1	.5	.5	14.1
	Admininstrative Assistant	1	.5	.5	14.6
	Architect	1	.5	.5	15.1
	Art Director	1	.5	.5	15.7
	Assembly	1	.5	.5	16.2
	baby day care	1	.5	.5	16.8
	Barber	1	.5	.5	17.3
	Bartender	1	.5	.5	17.8
	Business Manager	1	.5	.5	18.4
	CAN	1	.5	.5	18.9
	car wash owner/operator. RV Park & Pier Rental Lake Wawasee. Home remodeler.	1	.5	.5	19.5
	Cashier	1	.5	.5	20.0
	Chef De Cuisine @ popular restaurant in downtown area	1	.5	.5	20.5
	Claim Handler	1	.5	.5	21.1
	College Educational Sales & retention	1	.5	.5	21.6
	Commercial Driver	1	.5	.5	22.2
	computer repairs	1	.5	.5	22.7
	Courier	1	.5	.5	23.2
	Creative director	1	.5	.5	23.8
	CSR	2	1.1	1.1	24.9
	Customer service rep	1	.5	.5	25.4
	Customer Service Supervisor	1	.5	.5	25.9
	Delivery contractor	1	.5	.5	26.5
	Disabled	1	.5	.5	27.0

Dog Groomer	1	.5	.5	27.6
driver for furniture company	1	.5	.5	28.1
Engineer	1	.5	.5	28.6
Executive Assistant	1	.5	.5	29.2
Factory Worker	2	1.1	1.1	30.3
Flow- unload trucks	1	.5	.5	30.8
Fund raiser State museum	1	.5	.5	31.4
General Management	1	.5	.5	31.9
Graphic Designer	1	.5	.5	32.4
High school shop teacher	1	.5	.5	33.0
Home repairs spcialist for nonprofit CDC	1	.5	.5	33.5
Homemaker	2	1.1	1.1	34.6
Homemaker - Widow	1	.5	.5	35.1
House mother	1	.5	.5	35.7
Housekeeping	2	1.1	1.1	36.8
housewife	1	.5	.5	37.3
HVAC/Mechanical Engineer	1	.5	.5	37.8
INDOT crew leader	1	.5	.5	38.4
Insurance agent	1	.5	.5	38.9
Insurance underwriter	1	.5	.5	39.5
IT Professional	1	.5	.5	40.0
Letter carrier	1	.5	.5	40.5
LSS, Childcare, CRS.	1	.5	.5	41.1
Mail Carrier (USPS)	1	.5	.5	41.6
Manager local business	1	.5	.5	42.2
Manufacturing/Purchasing Agent	1	.5	.5	42.7
Marketing/Communications Director	1	.5	.5	43.2
Medical technologist/customer service	1	.5	.5	43.8
Merchandising Manager	1	.5	.5	44.3
Mortician	1	.5	.5	44.9
Newspaper copy editor	1	.5	.5	45.4
Night sup at Marsh	1	.5	.5	45.9

none	1	.5	.5	46.5
NONE	1	.5	.5	47.0
Nurse	3	1.6	1.6	48.6
Nursing	1	.5	.5	49.2
Optician	1	.5	.5	49.7
Outside Sales Representative	1	.5	.5	50.3
Philosophy Professor	1	.5	.5	50.8
Physician (MD)	1	.5	.5	51.4
Police Officer	1	.5	.5	51.9
Postal Worker	2	1.1	1.1	53.0
process control engineer	1	.5	.5	53.5
Proctor at Ivy Tech Community College	1	.5	.5	54.1
Procurement	1	.5	.5	54.6
Professional Services - Architectual/Engineering	1	.5	.5	55.1
Public Safety Dispatcher	1	.5	.5	55.7
realter, Broker,Author, Minister, Student	1	.5	.5	56.2
Receptionist at Direct Buy Indianapolis	1	.5	.5	56.8
Respitory Therapist	1	.5	.5	57.3
Retail Service Manager	1	.5	.5	57.8
retired	1	.5	.5	58.4
Retired	40	21.6	21.6	80.0
Retired - Disability	1	.5	.5	80.5
Retired (Insurance underwriter)	1	.5	.5	81.1
Retired Engineer	1	.5	.5	81.6
Retired Fire Fighter	1	.5	.5	82.2
Retired for INDOT	1	.5	.5	82.7
Retired from Marsh as a back door receiver	1	.5	.5	83.2
Retired from mental health field and artist	1	.5	.5	83.8
Retired GM employee	1	.5	.5	84.3
Retired Millwright	1	.5	.5	84.9

retired minister	1	.5	.5	85.4
Retired RCA recorder	1	.5	.5	85.9
retired social work	1	.5	.5	86.5
Retired system analyst	1	.5	.5	87.0
Retired teacher	5	2.7	2.7	89.7
Retired teacher - Chicago Public Schools	1	.5	.5	90.3
retirement	1	.5	.5	90.8
RN	1	.5	.5	91.4
self employed	1	.5	.5	91.9
Stay at home mom and full time student	1	.5	.5	92.4
Student - Pharmacy at Butler University	1	.5	.5	93.0
student full time	1	.5	.5	93.5
Teacher	2	1.1	1.1	94.6
Technician	1	.5	.5	95.1
Truck Driver	1	.5	.5	95.7
Tutor for K-8	1	.5	.5	96.2
unemployed	3	1.6	1.6	97.8
US Navy (Retired)	1	.5	.5	98.4
waiter	1	.5	.5	98.9
Warehouse Manager	1	.5	.5	99.5
Warehouse Worker	1	.5	.5	100.0
Total	185	100.0	100.0	