

INDIANA INTEGRATED WATER MONITORING AND ASSESSMENT REPORT 2002

Section 305(b) Water Quality Report
and
Consolidated List
Including Section 303(d) List of Impaired Waters
(Category 5)



Indiana Department of Environmental Management
Office of Water Quality
Planning and Restoration Branch
Indianapolis, Indiana



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TABLE OF CONTENTS

TABLE OF CONTENTS.....	I
EXECUTIVE SUMMARY	1
BACKGROUND	4
Introduction	4
Water Pollution Control Program	4
Watershed Approach.....	5
Water Quality Standards Program	7
Point Source Program	8
Nonpoint Source Control Program	10
Coordination with Other Agencies	12
Cost/ Benefit Assessment.....	12
Cost Information.....	12
Benefits Information	13
Special State Concerns and Recommendations.....	15
SURFACE WATER ASSESSMENT	16
Current Surface Water Monitoring Program.....	16
Plan for Achieving Comprehensive Assessments.....	19
Assessment Methodology and Summary Data	20
List of Impaired Waters	23
Rivers and Streams Water Quality Assessment.....	24
Designated Use Support.....	24
Causes/Stressors and Sources of Impairment of Designated Uses.....	26
Great Lakes Shoreline Water Quality Assessment.....	29
Great Lake Water Quality Assessment – Lake Michigan.....	31
Lake Water Quality Assessment	32
Designated Use Support.....	32
Wetlands Assessment	38
Development of Wetland Water Quality Standards.....	38
Integrity and Extent of Wetland Resources	38
Wetland Protection Activities	39
Wetland Compensatory Mitigation: An Ongoing Study.....	40
Public Health/ Aquatic Life Concerns	43
Drinking Water Source Assessment.....	44

GROUND WATER ASSESSMENT 2002 DRAFT 3/27/02.....	46
Introduction to Indiana Ground Water.....	46
Ground Water Data for the 2002 305(b) Reporting Cycle.....	47
Major Sources of Ground Water Contamination.....	47
Ground Water Protection Programs	51
Nitrate Sampling in 22 Representative Hydrogeologic Settings.....	55
Ground Water for Drinking Water Monitoring Data.....	57
REFERENCES.....	63
APPENDIX A METADATA AND DEFINITIONS.....	66
APPENDIX B SITE SPECIFIC WATERBODY ASSESSMENTS	66
APPENDIX C COMPREHENSIVE BASIN AQUATIC LIFE USE ASSESSMENT	66
APPENDIX D LAKES TROPHIC STATUS AND TRENDS	66
APPENDIX E CONSOLIDATED LISTING METHODOLOGY	66
APPENDIX F CONSOLIDATED LIST – CATEGORIES 2 THROUGH 5.....	66

List of Figures

Figure 1	Monitoring Location Density and Draft 303(d) Waters 2002	6
Figure 2	Nonpoint Section 319 Projects	11
Figure 3	State Revolving Fund Loans as of October 1, 2001.....	14
Figure 4	Basin Report Year	16
Figure 5	Mitigation Sites by Application Year	40
Figure 6	Mitigation Site Status	41
Figure 7	Mitigation Site Distribution	42
Figure 8	Representative Hydrogeologic Setting Monitoring Networks	54

List of Tables

Table 1	Summary of Use Support - Waterbodies Reported 1998 through 2002.....	1
Table 2	Atlas	4
Table 3	State Revolving Fund Loans.....	13
Table 4	Indiana Watersheds and Basins.....	18
Table 5	Criteria for Use Support Assessment	21
Table 6	Summary of Fully Supporting, Threatened and Impaired Waters - Streams	24
Table 7	Individual Use Support Summary - Streams	25
Table 8	Comprehensive Aquatic Life Use Support – Streams	25
Table 9	Summary of National and State Causes Impairing Waters – Streams	26
Table 10	Summary of National and State Sources Impairing Waters – Streams	27

Table 11	Summary of Fully Supporting, Threatened and Impaired Great Lakes Shoreline.....	29
Table 12	Individual Use Support Summary – Great Lakes Shoreline	29
Table 13	Summary of National and State Causes Impairing Great Lakes Shoreline	29
Table 14	Summary of National and State Sources Impairing Great Lakes Shoreline	30
Table 15	Summary of Fully Supporting, Threatened and Impaired Great Lake.....	31
Table 16	Individual Use Support Summary – Great Lake	31
Table 17	Summary of Fully Supporting, Threatened and Impaired Lakes, Reservoirs.....	34
Table 18	Individual Use Support Summary – Lakes, Reservoirs	34
Table 19	Summary of National and State Causes Impairing Lakes, Reservoirs.....	35
Table 20	Summary of National and State Sources Impairing Lakes, Reservoirs	35
Table 21	Trophic Status of Significant Public Lakes Assessed 1996-2000	37
Table 22	Trends in Trophic Status of Significant Public Lakes - 1996-2000.....	37
Table 23	Extent of Wetlands by Type.....	39
Table 24	Spills 1996 - 1999	44
Table 25	Major Sources of Ground Water Contamination.....	48
Table 26	Summary of State Ground Water Protection Programs (through 12/31/00)	52
Table 27	Summary of Nitrate Sample Results	56
Table 28	Summary of Ground Water for Drinking Water Monitoring Data.....	58
Table 29	Summary of Ground Water for Drinking Water Monitoring Data.....	59
Table 30	Summary of Ground Water for Drinking Water Monitoring Data.....	60
Table 31	Summary of Ground Water for Drinking Water Monitoring Data.....	61
Table 32	Summary of Ground Water for Drinking Water Monitoring Data.....	62

EXECUTIVE SUMMARY

The Indiana Department of Environmental Management/ Office of Water Quality has developed this document to provide information on Indiana water quality required biennially by Section 305(b) and periodically by Section 303(d) of the federal Water Pollution Control Act (the Clean Water Act most recently amended in 1987). This first Integrated Water Quality Monitoring and Assessment Report is intended to meet the reporting requirements of Sections 106, 303(d), 305(b), 314, and 319 of the Clean Water Act. Specific information requested in U.S. Environmental Protection Agency's (USEPA) most recent guidance documents are included for Section 305(b) reporting, Section 303(d) list of impaired waters, and the Integrated List of Waters classified into five assessment categories (USEPA 1997a and Wayland 2001).

This report replaces the Final Draft 305(b) Report submitted to USEPA Region V earlier this year. Some data and table values have been updated. The data in Table 1 represent comprehensive aquatic life use assessments for streams and are intended to be used for Clean Water Act Section 106 funding calculations and comprehensive Section 305(a) reporting.

This report is available electronically in Adobe Acrobat (.pdf) format on the IDEM web site: www.in.gov/idem/water/planbr/wqs/quality.html. Updated site-specific assessment information will be made available on the web site periodically as it becomes available.

A comprehensive assessment of 99.3 percent of Indiana stream miles included in USEPA's Total Waters File has been completed for support of aquatic life use (USEPA 1993). Approximately 64.5 percent of the stream miles fully support aquatic life use. Of the stream miles assessed for full body contact recreational use, 58.6 percent support. Indiana's Lake Michigan shoreline outside the Indiana Harbor supports aquatic life use, but does not fully support full body contact recreational use.

The Indiana State Department of Health has issued fish consumption advisories for many Indiana streams, the Indiana portion of Lake Michigan, and some inland lakes. A general carp fish consumption advisory has also been issued for all Indiana rivers and streams only. (ISDH 2001)

Table 1 provides use support data for Indiana streams and lakes that have been assessed and reported since 1998. This report represents the completion of a five year rotating basin cycle with all assessments accumulated from 1998 to date.

Table 1 Summary of Use Support - Waterbodies Reported 1998 through 2002

(values rounded to the nearest ten units)

Designated Use	Support	Threatened	Partial Support	Non Support	Assessed	Not Assessed
Rivers - in miles						
Aquatic life use	23000			12430	35430	250
Fish consumption*			3170	230	3400	32270
Drinking Water Supply	3				3	
Primary Contact (RECR)	5080		120	3460	8660	27010
Great Lakes shoreline - in miles						

(values rounded to the nearest ten units)

Designated Use	Support	Threatened	Partial Support	Non Support	Assessed	Not Assessed
Aquatic life use	60			1	60	
Fish consumption*			60		60	
Primary Contact (RECR)	1			60	60	
Lake Michigan open water – in acres						
Fish consumption*			154180		154180	
Lakes, Reservoirs - in acres						
Aquatic life use	5740		6310	1670	13730	92480
Fish consumption*			65750		65750	40460
Drinking Water Supply		9110	15870	480	25460	80750
Primary Contact (RECR)	7170				7170	99040

* Indiana fish consumption Advisory, 2001, includes a state wide advisory for carp consumption for rivers and streams. Only site specific fish consumption advisories were considered in determining use support status. Source: Indiana 305(b) Assessment Database 2002 and IDEM Biological Studies Section.

The IDEM Office of Water Quality believes that the most consistent way to evaluate overall use support for streams is best represented by the stream miles supporting aquatic life use. Representative samples for fish community assessment were used to determine overall aquatic life use support as part of the rotating basin approach. A stratified random sampling design was used to computer generate sampling sites, which provided a representative sample set for each basin. Fish community index of biotic integrity (IBI) was determined for each sampling location, and the results of each year's sample data set were analyzed to estimate the percentage of stream miles supporting aquatic life use for each basin. In this way, a small number of representative samples were used to estimate aquatic life use support for a large geographic area.

The Office of Water Quality has set a goal to develop a watershed approach that will integrate water management programs by focusing on watersheds. The watershed approach establishes a framework for coordinating and integrating the multitude of programs and resources within a delineated geographic area.

A new surface water monitoring strategy was implemented in 1996. All basins in the state have been assessed and are included in the assessment values in this report. The goal to report aquatic life use assessments for all basins by 2003 has been met this year. Approximately 20 percent of the waterbodies in the state were assessed and reported each year. This report now provides the most recent comprehensive report on Indiana water quality and is the baseline report for the state (IDEM 1994-95, 1998c, and 2000a).

This comprehensive report on Indiana water quality replaces the 1996 baseline report and includes the five-year rotating basin monitoring and comprehensive assessment of Indiana surface waters. Indiana had elected to submit annual electronic updates to USEPA with an abbreviated written report submitted in even numbered years. Appendices A through F provide data and technical information suggested in USEPA's integrated reporting guidance (Wayland 2001).

Causes of nonsupport are reported for each waterbody type: rivers, lakes, and Great Lakes shoreline. Causes of stream pollution affecting over 2000 miles of stream each are: pathogens

for recreational use, mercury and polychlorinated biphenyl for fish consumption. Over 2000 stream miles also have biological communities with measurable adverse response to pollutants.

Fish tissue and surficial sediment were monitored for the presence of toxic pollutants. The Indiana Fish Consumption Advisory identifies fish species that contain toxicants at levels of concern for human consumption. The Great Lakes sport fish risk based approach was used to evaluate PCB contamination (Anderson 1993). As fish tissue and sediments from additional watersheds are analyzed for contaminants, it is expected that the miles of impaired streams and acres of impaired lakes and reservoirs due to fish consumption advisories will increase for the near term.

Waterbodies that require total maximum daily load calculations (TMDL) are reported to USEPA as required in Section 303(d) of the Clean Water Act. This is the first integrated report that includes classification of Indiana waters into five Integrated Reporting Categories. Category 5 is the Clean Water Act Section 303(d) List of Impaired Waters.

Support of designated uses was determined for each stream and lake waterbody using USEPA assessment guidelines (USEPA 1997b). The Indiana Trophic State (or eutrophication) Index, a modified version of the BonHomme Index developed for Indiana lakes in 1972, was applied to inland lake data. Results from the following six monitoring programs were integrated into one assessment for each waterbody.

- Physical/chemical water results (lakes and streams).
- Fish community assessments (streams).
- Benthic aquatic macroinvertebrate community assessments (streams).
- Fish tissue and surficial aquatic sediment contaminant results (lakes and streams).
- *E. coli* monitoring results (streams).
- Indiana Trophic State Index (lakes).

Ground water is an important resource for Indiana citizens, agriculture, and industry. The majority of the state's population use ground water for drinking water and other household uses. Of the population served by public water supplies, approximately 50 percent depend on ground water. In 2000, 4154 public water supply systems supplied ground water to a population of approximately two million people (IDEM 2000). Over one-half million Indiana homes have private wells for their water supply.

BACKGROUND

Introduction

Indiana is located on the eastern edge of the North American great interior plains. The North - South continental divide traverses through northern Indiana draining watersheds into the Great Lakes basin and the Mississippi River and Ohio River systems. Surface water in the northern one-quarter of the state flows north into the Great Lakes and then through the St. Lawrence River to the Atlantic Ocean. The southern three-quarters of the state drains into the Ohio River or Illinois River and flows into the Mississippi River then south to the Gulf of Mexico. There are 35,673 miles of Indiana rivers, streams, ditches and drainageways listed in USEPA Total Waters File. State water types are described in Table 2. Additional state statistics may be found on the State Information Center Internet site (http://www.in.gov/sic/about/general_facts.html).

Table 2 Atlas

Description	Value	Units
Indiana population ¹	5,942,901	
Indiana surface area ²	36,291	sq. mi.
Total miles of rivers and streams ³	35,673	miles
Number of publicly-owned lakes/ reservoirs/ ponds ⁴	575+	
Publicly-owned lakes/ reservoirs/ ponds ⁴	106,205	acres
Great Lakes ⁴	154,240	acres
Great Lakes shoreline ⁶	59	miles
Fresh water wetlands ⁵	813,000	acres

Sources: ¹U.S. Census Bureau ²State Information Center ³Horizon Systems Corporation 1994
⁴USEPA 1993 ⁵Rolley 1991 ⁶National Hydrography Dataset (USEPA Reach File 3 value was 43 miles.)

Water Pollution Control Program

The IDEM Office of Water Quality has set a goal to develop a watershed approach that will integrate water quality management programs by focusing on watersheds. Water quality standards have been adopted for the Great Lakes Basin watersheds and for the non-Great Lakes Basin watersheds within the state. National Pollutant Discharge Elimination System (NPDES) permitting is the primary point source control process used in Indiana. Nonpoint source pollution is addressed through watershed management and planning projects.

Watershed Approach

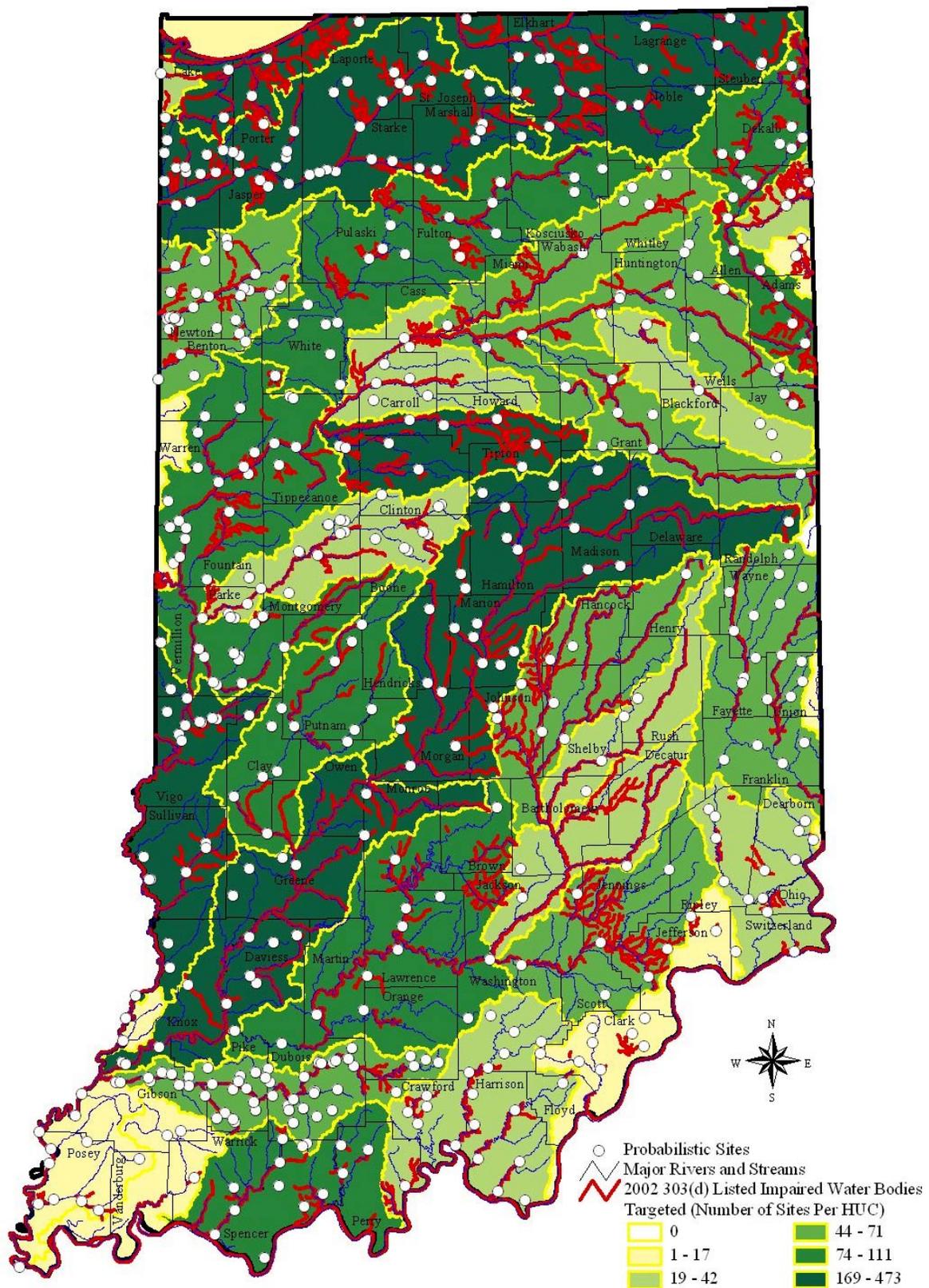
Environmental problems often cut across media and political jurisdictions. Consequently, environmental mitigation and protection require a comprehensive and collaborative approach that works with a multitude of programs and agencies. The watershed approach establishes a framework for coordinating and integrating the multitude of programs and resources. This approach directs the focus on water quality in a geographic area delineated by a watershed. In order for all of the waters of the State of Indiana to support designated uses, an integrated approach which includes a common information base and agreement on roles, priorities, and responsibilities for managing watershed activities must be implemented.

OWQ has set a goal to develop key elements of a framework for integrating the Office of Water Quality's programs into a comprehensive watershed management approach. The OWQ will implement the watershed approach that will address water quality issues and facilitate local community involvement. A team has been established to work on development of watershed strategy. (IDEM/ USEPA 1999)

A statewide rotating basin approach to watershed monitoring was adopted in 1996. The rotating basin plan makes it possible to update water quality assessments on a five-year cycle for monitored watersheds throughout the state. Information that is no more than five years old is then available for use in planning watershed management activities. All water assessment and reporting is cumulative over the past five years, and all basins of the state are being reported this year. Monitoring locations for probabilistic sampling designs and density for targeted sampling designs are illustrated on the map (Figure 1).

This report represents the first comprehensive report on Indiana surface waters since beginning the rotating basin program in 1996. An electronic update has been submitted each year with an abbreviated written report in even numbered years. Annual updates for the basin of interest and other areas which have undergone significant change and for which significant new data have been assessed are reported in the abbreviated written reports.

Figure 1 Monitoring Location Density and Draft 303(d) Waters 2002



Water Quality Standards Program

Indiana's water quality standards underwent significant revision in 1990. At that time, numerical criteria for all pollutants for which USEPA had developed either human health or aquatic life ambient water quality criteria were added to the standards. Procedures for developing additional criteria were also included in these rules. Additionally, all waters were designated for full body contact recreation and the bacteriological indicator organism was changed from fecal coliform to *E. coli* to conform to USEPA's guidance on bacteriological indicators. All waters, with the exception of 34 streams or stream reaches that were designated for limited use, were designated for warm water aquatic life use, full body contact recreational use, public water supply (where there are drinking water intakes from surface waters), industrial uses, and agricultural uses. Certain waters, where natural temperature conditions will support cold water fisheries, were so designated. For those waters where multiple uses exist, the criteria that support the most stringent uses must be met.

The 34 streams or stream reaches designated for limited use were placed in this category through use attainability analysis which confirmed the inability of each stream to fully support aquatic life use due to natural low flow conditions throughout much of the year. Thus, all waters in the state currently are designated for uses consistent with the requirements of the Clean Water Act or USEPA's implementing regulations and have criteria appropriate to support these uses.

In 1993, Indiana's rules and regulations, which guide the implementation of Indiana's water quality standards into Indiana's NPDES permits, were extensively revised. Although this resulted in significant changes to these rules, only minor changes to the water quality standards were made.

With the issuance of the final Great Lakes Water Quality Guidance in 1995, Indiana began the process to revise water quality standards and implement regulations for those waters in Indiana's Great Lakes basin. Many of Indiana's waters are located outside the Great Lakes basin and this rulemaking, for the most part, had no immediate effect on these waters. These revisions incorporated the various criteria and procedures (or equivalent ones) identified in the Guidance into Indiana's water quality standards. As a part of this rulemaking, Indiana also developed procedures to implement the antidegradation policy for all substances discharged to waters in the basin. These revisions were adopted by the Indiana Water Pollution Control Board effective in February 1997 and submitted to USEPA for approval. USEPA responded in August 1999 with a letter highlighting several issues for IDEM to address. IDEM responded within the required ninety days. In August of 2000, EPA formally approved these revisions with the exceptions of the sections on reasonable potential for whole effluent toxicity and variances. EPA promulgated the federal Guidance language for these parts of the rule for Indiana.

Indiana is currently in the process of reviewing/revising the water quality standards applicable to waters in the rest of the state. Indiana is proposing to incorporate some aspects of the Great Lakes Water Quality Guidance into the water quality standards applicable to waters outside the Great Lakes basin with modifications where necessary. The criteria and methodology to calculate criteria represent the most recent scientific thinking on how to incorporate the existing toxicity data into criteria and should replace the existing criteria and calculation procedures that are currently used. Indiana is also proposing to incorporate into NPDES permits at least some of the procedures for implementing the water quality standards that were adopted for the Great Lakes basin. A proposal to adopt an antidegradation implementation procedure for all

substances for waters outside the Great Lakes basin, which is similar to that adopted for waters in the basin, is also under consideration.

Considerable data on the macroinvertebrate and fish communities in many Indiana waters have been collected. Indiana is in the process of analyzing and evaluating the data for the purpose of developing biocriteria. Although Indiana is not at the stage in the evaluation of these data to propose numerical biocriteria, narrative biocriteria language that would allow the state to utilize the available data to assess the biological integrity of aquatic communities may be proposed at this time.

IDEM is proposing to add water quality standards for wetlands during this review period. These standards would include narrative criteria, designated uses and an antidegradation policy and implementation procedure. These proposed standards and implementing procedures were preliminarily adopted by the Water Pollution Control Board in February 2002.

IDEM is considering a narrative sediment quality criterion for all waters in this review period. Any proposed narrative standard would address both historical sediment contamination problems and the prevention of sediment contamination in the future.

Indiana is currently working with USEPA Region 5 and the other Region 5 states to develop nutrient criteria for different water body types throughout the Region as directed by the Clean Water Action Plan. Indiana has submitted a draft plan and schedule for the development of nutrient criteria to EPA for review. The draft plan calls for the development of nutrient criteria by the end of 2005 and for the states to put these criteria into state water quality standards in the next triennial review period. This draft plan is currently under review by EPA. EPA has issued recent guidance that would appear to give states additional flexibility in the development of nutrient criteria, especially if the state and EPA have agreed on a plan to accomplish this goal. Indiana plans to actively participate in this effort.

Preliminary ground water rules were adopted by the Indiana Water Pollution control Board in November 1999. Public water supply definitions have been formalized to be consistent with federal Safe Drinking Water Act definitions. Consumer confidence reports establish minimum requirements for content of annual consumer confidence reports which public water suppliers deliver to their customers.

Point Source Program

Point source pollution in Indiana is controlled primarily through permits issued by IDEM for discharges to surface water under the National Pollutant Discharge Elimination System (NPDES). All facilities which discharge to waters of the State must apply for and receive a NPDES permit. Unpermitted dischargers and permittees out of compliance with their permit conditions are referred for enforcement action.

The limitations established in each NPDES permit are required to achieve technology-based and water quality-based requirements of the Clean Water Act and state law, and to protect all designated and existing uses of the water body. Besides issuing NPDES permits, the program includes these other activities: wastewater treatment plant inspections, operator assistance and training, compliance data tracking, and enforcement.

During 2001, the NPDES permitting program started to systematically identify major issues that complicate the final determinations for many NPDES permits being renewed. Most recently, a number of internal policies, procedures and guidance documents have been developed to enhance the program's ability to issue and reissue NPDES permits in a timely manner. In addition, a number of changes within the regulatory framework are being pursued to complement this effort.

The NPDES permitting program is augmented by OWQ staff that issue industrial wastewater pretreatment permits to industries discharging to municipal wastewater treatment plants, delegated to operate their own pretreatment programs. Urban wet weather discharges are also part of the permitting program. The staff also oversee and audit municipal pretreatment programs in 45 municipalities with industrial dischargers. Storm water runoff associated with land disturbing activities of 5 acres or more and with industrial activities are now regulated by permits. A strategy for managing and maintaining combined sewer collection systems is in the implementation stage. The goal of these additional permitting and management activities is to reduce untreated discharges to surface water.

Toxic pollutants are addressed by permit limits for discharge of specific chemicals and by whole effluent toxicity limits. Other Office of Water Quality branches and sections provide permit compliance, and facility operation technical support for wasteload allocation modeling and monitoring. These program areas work closely with the NPDES permitting program to ensure that permit limits are adequate for protection of designated uses and that dischargers remain in compliance with these limits.

Dischargers in the Great Lakes basins must now comply with Indiana's water quality standards for Great Lakes waters. Permits for dischargers within the Lake Michigan and Lake Erie basins are written to incorporate Indiana's water quality standards implemented as a result of the federal Great Lakes Initiative (GLI).

The point source control program, through field inspection staff, identifies NPDES point source outfalls in Indiana by using the global positioning system (GPS). This will provide better location information for USEPA's Permit Compliance System and ultimately for monitoring, modeling, and designated use evaluation of lakes and streams. The inspectors are acquiring the outfall coordinates using handheld GPS units whenever they visit a site with a location that is not already verified in the Permit Compliance System.

Indiana wastewater treatment inspections increased three fold over the nine-year period, 1989 to 1997. Inspectors review operation and maintenance of wastewater treatment plants permitted under the National Pollutant Discharge Elimination System. They can provide referrals for operator assistance and training, and for enforcement action as needed.

In summary, NPDES permits are the focal point of the point source control program. A major effort is being made to stay in contact with permittees through the inspection program and through the permit renewal process. Regulatory efforts are also focused on urban point sources such as pretreatment and combined sewers, which are now being regulated through the NPDES program. The project to locate all NPDES discharge points should provide valuable information for monitoring, assessment, and compliance programs. The surface water monitoring strategy provides a framework for implementing and measuring the effectiveness of point source controls for Indiana surface waters.

Nonpoint Source Control Program

The Watershed Management Section is located in the Planning Branch of the Office of Water Quality. The Section manages over 130 grant projects and has produced resource documents such as the Watershed Action Guide for Indiana (a workbook for completing watershed management plans) and Watershed Restoration Action Strategies (8-digit scale resource documents for watershed management issues). The Section will also be involved in the nonpoint source component of total maximum daily loads. Program elements include Section 319 Nonpoint Source grants, Section 205(j) Planning grants, Section 104(b)(3) NPDES related grants, and conducting training and technical assistance on watershed management planning and implementation. Figure 2 displays the locations of Section 319 projects throughout the state.

In partnership with other agencies, the Section leads the development of the Unified Watershed Assessment, a requirement of the Clean Water Action Plan of 1998. Through evaluation of water quality data, natural resource concerns, and human activities that may have the potential to impact water quality, the watersheds in the state are prioritized for restoration work. The 2000 update of the Unified Watershed Assessment characterizes the 361 11-digit hydrologic units in the state for 15 different parameters. Copies of the Unified Watershed Assessment are available from the Watershed Management Section. The next update will align the Unified Watershed Assessment more closely with the state's Integrated List of Waters.

The Nonpoint Source Management Plan for Indiana was updated and approved by USEPA Region 5 in October 1999, enabling Indiana to receive a full allocation of Section 319 funding. Copies of the plan are available on compact disc from the Watershed Management Section.

The Clean Lakes Program is funded through a Section 319 grant and managed by IDEM's Lakes Coordinator in the Assessment Branch.

Current nonpoint source program activities and grant opportunities including downloadable documents and applications may be found on the Watershed Management Section internet page at <http://www.IN.gov/idem/water/planbr/wsm/index.html> .

Figure 2 Nonpoint Section 319 Projects

Nonpoint Source Program Section 319 Projects FFY 2000-2001



W. Stone, 12/19/01

Coordination with Other Agencies

The Indiana Department of Environmental Management has working relationships with other state and federal agencies interested in the improvement of Indiana water quality. In addition, results of projects completed by local and regional government, university and nonprofit organizations are integrated into reporting processes whenever possible.

The USDA Natural Resources Conservation Service (NRCS) maintains a water quality liaison position at IDEM, and the two agencies cooperatively support three watershed conservationist positions for NRCS personnel working in the nonpoint source program at IDEM.

Activities in wetlands or other waters of the U.S., which may affect water quality, are regulated under Clean Water Act Section 404. Activities require approval by IDEM through Clean Water Act Section 401 water quality certification programs. IDEM works cooperatively with several U.S. Army Corps of Engineers districts, the Indiana Department of Natural Resources (IDNR), the U.S. Fish and Wildlife Service and other agencies in administering the Clean Water Act Section 401 Water Quality Certification Program.

IDEM is working with IDNR to develop and implement a stream volunteer monitoring program. The program goal is to electronically store results for use by IDEM technical staff to supplement or enhance department water quality assessments. IDNR volunteer monitoring outreach staff are taking the lead in developing this program through the Hoosier Riverwatch program.

This year the Office of Water Quality requested water quality data and results from state and local agencies, industry, municipalities, and nonprofit organizations in order to broaden the scope of information available for assessment of Indiana surface waters. The data and reports received are being reviewed for use in updating water quality assessments and identifying water bodies for targeted monitoring and assessment.

Cost/ Benefit Assessment

Cost Information

The Wastewater and the Drinking Water State Revolving Fund (SRF) Loan Programs are low-interest loan programs. The Wastewater program was created to financially assist Indiana communities in their efforts to make improvements to wastewater treatment facilities and abate pollution. The goal of the Drinking Water State Revolving Fund is to ensure safe drinking water to Indiana's water consumers by giving maximum priority to proposed projects that provide greater protection to public health or ensure Safe Drinking Water Act compliance.

Cities, towns, counties, regional sewer/water districts, conservancy districts, and water authorities are eligible for both programs. On July 1, 1999 private and not-for-profit public water systems became eligible for drinking water money also. Typical loans include wastewater treatment facility construction, construction of sewer lines, projects that address combined sewer overflows, drinking water distribution lines, and water tanks. The SRF Program assists communities based on need and determines the loan interest rates by the median household income.

Since Indiana's SRF Program made its first loan in 1991, 230 communities have closed on loans with the Program, totaling \$1.01 billion. The Program hit its \$1 billion milestone in October 2001, when it closed a Wastewater loan with the City of Rockport for \$200,000. Indiana has shown dramatic progress in providing financial assistance to communities for both Wastewater and Drinking water infrastructure improvements. Table 3 below shows the loans closed since 1999.

Table 3 State Revolving Fund Loans

Year	Drinking Water Loans		Wastewater Loans	
	Number	Amount	Number	Amount
1999	3	\$8,600,000	28	\$161,469,000
2000	26	\$89,222,000	55	\$265,559,020
2001	15	\$28,949,500	34	\$162,935,000

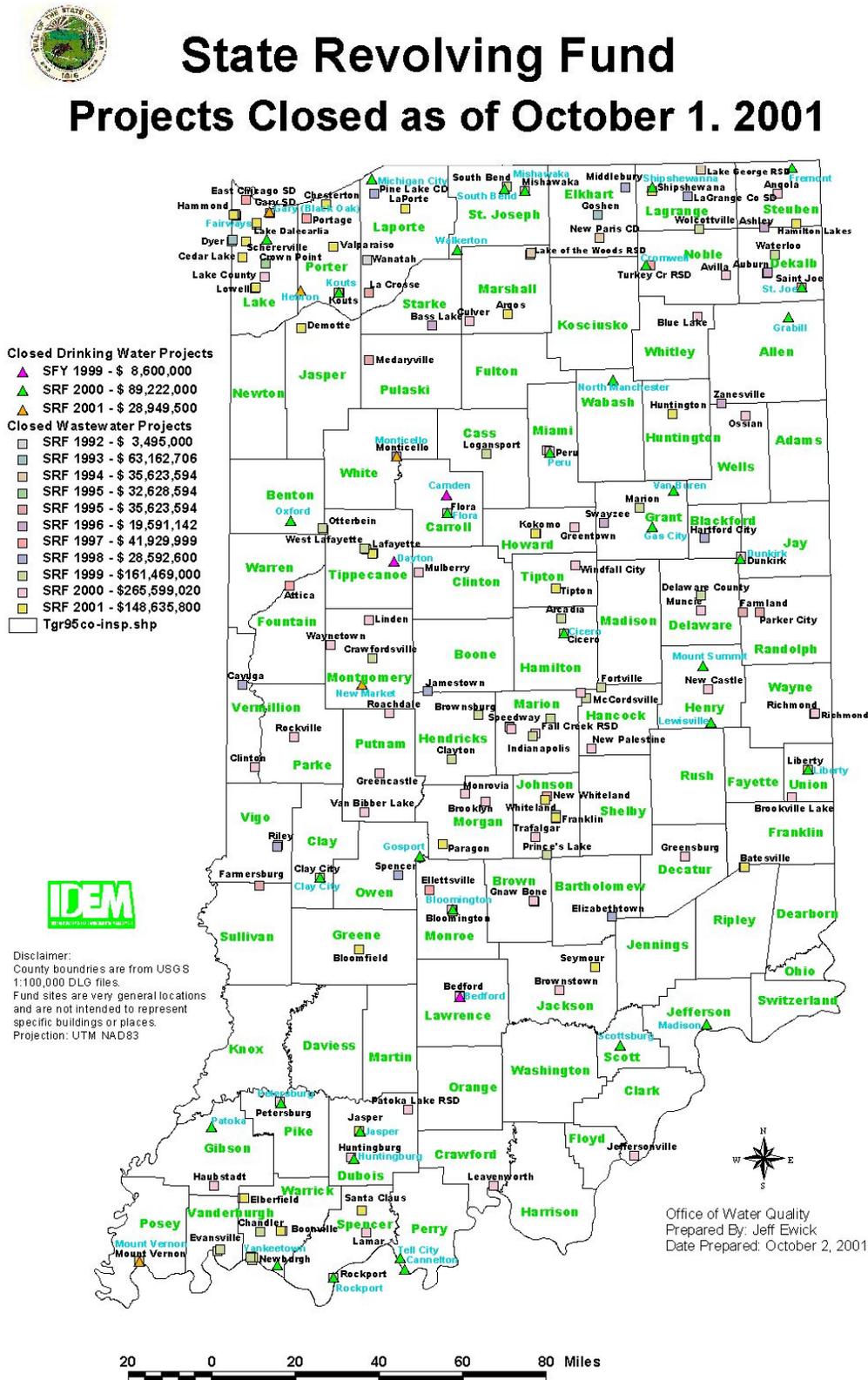
Source: IDEM State Revolving Fund Section

Water quality in Indiana rivers and streams is expected to improve as a result of the assistance of the State Revolving Fund to communities (Figure 3).

Benefits Information

Indiana water quality improvements result in enhanced recreational opportunities, more aquatic diversity, healthier sport fish populations, safe drinking water, increased use of beaches, and healthier aquatic ecosystems. Benefits of water pollution abatement and control have not been quantified in dollars in the past. With better accounting systems and direction through the Performance Partnership Agreement with USEPA, the Office of Water Quality hopes that resources to quantify the enormous benefits of water pollution abatement will be available in the future.

Figure 3 State Revolving Fund CD Loans as of October 1, 2001



Special State Concerns and Recommendations

Indiana has completed a comprehensive assessment of all streams for aquatic life use support as part of a five-year rotating basin monitoring program. The assessments were completed on fish community samples acquired from locations throughout the state generated using a probabilistic sampling design. The results provide statistical inferences on the extent of aquatic life designated use support and non support for all streams in the state. The results do not indicate where each specific impaired stream is located. It would be very helpful for USEPA to support programs to evaluate methods for identifying specific stressors and sources of pollutants causing the biological impairment documented in the probabilistic assessments. New technology and geographic information system techniques to correlate possible anthropogenic activities with impaired sites should be explored.

SURFACE WATER ASSESSMENT

Current Surface Water Monitoring Program

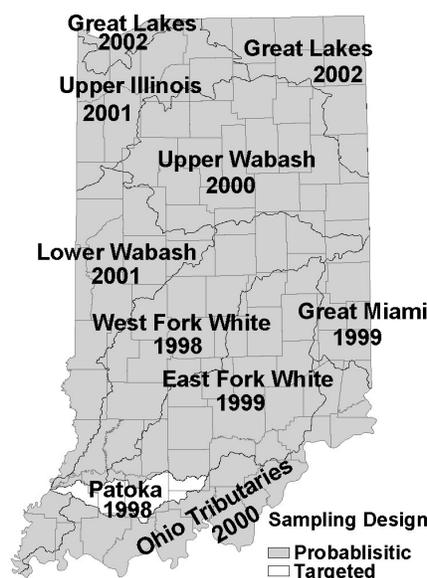
The Office of Water Quality implemented a new surface water monitoring strategy in 1996 to assess the quality of Indiana waters within five years using a rotating basin approach. The monitoring strategy was revised and updated in 1998 and again in 2001. The strategy is designed to provide technical data and information in support of:

- The annual update and biennial Report of Indiana Water Quality (305[b] Report)
- National Pollutant Discharge Elimination System permitting program
- The annual Fish Consumption Advisory (issued by the Indiana State Department of Health in cooperation with IDEM and the Indiana Department of Natural Resources)
- Drinking water source assessment
- Identifying past and emergent water quality trends

Approximately one-fifth of the state is scheduled for monitoring each year for five years (Figure 4). The monitoring results are analyzed and each waterbody is assessed in the second year. Waterbody impairments are generally reported in the third year. This report provides comprehensive assessments for all state surface watersheds. See Appendix C. Watersheds that were previously reported are included in this report:

- 1998 White River, West Fork Basin and Patoka River Basin
- 1999 White River, East Fork Basin and Whitewater River Basin
- 2000 Upper Wabash River Basin
- 2001 Lower Wabash River Basin and Kankakee River Basin
- 2002 Great Lakes Basins and Ohio River Basin

Figure 4 Basin Report Year



The Office of Water Quality's surface water quality monitoring strategy is designed to describe the overall environmental quality of each major river basin and to identify monitored waterbodies that do not fully support designated uses. The surface water monitoring strategy was revised in 2001 to continue to meet the goal of assessing all waters of the state within five years while enhancing support of other Office of Water Quality programs. Four goals of the monitoring program are:

- Measure the physical, chemical, bacteriological, and biological quality of the aquatic environment in all river basins and identify factors responsible for impairment.
- Assess the impact of human or other activities that occur in all river basins and the probable effects of these activities on the quality of the dynamic ecosystem and drinking water source protection.
- Identify trends through analysis of environmental data from a variety of sources and make recommendations for the protection of designated uses of the water resources of the state.
- Provide environmental quality assessment reports to support the water quality management program in partnership with customers and stakeholders.

The monitoring strategy encompasses various monitoring networks staffed by the Office of Water Quality or managed by the Office of Water Quality through contractors. Elements of the sampling program include: fixed station monitoring; computer generated random sites sampled for fish community biotic integrity (IBI), benthic aquatic macroinvertebrate community biotic integrity (mIBI), fish tissue contaminants, surficial aquatic sediment contaminants, and water chemistry; pesticide water monitoring; *E. coli* sampling; National Pollutant Discharge Elimination System permitting support; total maximum daily load (TMDL) development; and targeted fish tissue and surficial aquatic sediment sites. The monitoring strategy and fact sheets with detailed descriptions of the monitoring programs are available on the IDEM Internet web site: www.IN.gov/idem.water.assessbr.swqms2001flndoc.html (IDEM 2001).

Quality assurance project plans covering the major surface water sampling programs were prepared and forwarded to EPA Region 5 in June 1998 and June 1999. A quality assurance project plan revision is planned this year. The Office of Water Quality follows a rigorous and well-defined data quality assessment process for reviewing analytical results presented to the Assessment Branch. This allows the Assessment Branch staff to immediately categorize analytical results for appropriate use and to plan analytical requirements to meet the intended data quality objectives and usage. Four data quality assessment levels have been defined.

The IDEM Assessment Branch stores sampling results in several file formats at this time. A new database that links data from different media and will be accessible to other IDEM staff is under construction. Results from the fixed station monitoring program have been stored in USEPA's storage and retrieval system (STORET) for samples collected through 1995. STORET is not available for batch upload at this time, and it appears that data stored in the system will only be available locally to IDEM.

The 305(b) Assessment Database (version 1.1.3) has been implemented by the IDEM Office of Water Quality. Waterbody assessments for all hydrologic unit areas are now stored in the database. See Appendix A for Assessment Database Metadata. All eight-digit watersheds (USGS cataloging units) in the state have been monitored and are included in this report (See Table 4.). Site-specific results are listed by basin in Appendix B. Comprehensive results for each basin are listed in Appendix C.

Table 4 Indiana Watersheds and Basins

USGS HYDRLOGIC UNIT CODE	NAME	BASIN
04040001	LITTLE CALUMET-GALIEN	GREAT LAKES
04050001	ST. JOSEPH-ELKHART	GREAT LAKES
04100003	ST. JOSEPH-FISH	GREAT LAKES
04100004	ST. MARYS	GREAT LAKES
04100005	UPPER MAUMEE	GREAT LAKES
04100007	AUGLAIZE	GREAT LAKES
05080001	UPPER GREAT MIAMI	GREAT MIAMI
05080002	LOWER GREAT MIAMI	GREAT MIAMI
05080003	WHITewater	GREAT MIAMI
05090203	MIDDLE OHIO-LAUGHERY	OHIO RIVER TRIBUTARIES
05120101	UPPER WABASH	UPPER WABASH
05120102	SALAMONIE	UPPER WABASH
05120103	MISSISSINEWA	UPPER WABASH
05120104	EEL-BLUE	UPPER WABASH
05120105	MIDDLE WABASH-DEER	UPPER WABASH
05120106	TIPPECANOE	UPPER WABASH
05120107	WILDCAT	UPPER WABASH
05120108	MIDDLE WABASH-LITTLE VERMILION	LOWER WABASH
05120109	VERMILION	LOWER WABASH
05120110	SUGAR	LOWER WABASH
05120111	MIDDLE WABASH-BUSSERON	LOWER WABASH
05120113	LOWER WABASH	LOWER WABASH
05120201	UPPER WHITE	WEST FORK WHITE
05120202	LOWER WHITE	WEST FORK WHITE
05120203	EEL-BIG WALNUT	WEST FORK WHITE
05120204	DRIFTWOOD	EAST FORK WHITE
05120205	FLATROCK-HAW	EAST FORK WHITE
05120206	UPPER EAST FORK WHITE	EAST FORK WHITE
05120207	MUSCATATUCK	EAST FORK WHITE
05120208	LOWER EAST FORK WHITE	EAST FORK WHITE
05120209	PATOKA	PATOKA
05140101	SILVER-LITTLE KENTUCKY	OHIO RIVER TRIBUTARIES
05140104	BLUE-SINKING	OHIO RIVER TRIBUTARIES
05140201	LOWER OHIO-LITTLE PIGEON	OHIO RIVER TRIBUTARIES
05140202	HIGHLAND-PIGEON	OHIO RIVER TRIBUTARIES
07120001	KANKAKEE	UPPER ILLINOIS
07120002	IROQUOIS	UPPER ILLINOIS
07120003	CHICAGO	UPPER ILLINOIS
NONE	OHIO RIVER MAINSTEM	OHIO RIVER

Source: USEPA Total Waters File and Indiana 305(b) Assessment Database

The Office of Water Quality has georeferenced waterbody segments in the 305(b) Assessment Database to the National Hydrography Dataset version provided by USEPA. Each lake and stream segment has its own unique identifier in the 305(b) Assessment Database (ADB), and the same unique identifier in the Indiana Reach Index Georeference. A geographical information system coverage of Indiana 14-digit hydrologic unit areas was recently finalized; each waterbody 14-digit hydrologic unit code in the ADB corresponds to the Indiana 14-digit hydrologic unit polygon geographical information system coverage. The interactive data analysis capabilities are expected to be extremely useful for watershed monitoring, assessment, reporting, planning, and management.

Plan for Achieving Comprehensive Assessments

IDEM adopted a new surface water quality monitoring strategy in 1995 with the goal of assessing and reporting all streams for aquatic life use support by 2003. To date, 99.3 percent of Indiana stream miles have been assessed for aquatic life use. A five-year rotating basin plan was chosen which would result in reporting on assessment of approximately 20% of the state's surface water streams each year using this process. Reporting began with the West Fork White River and Patoka River watersheds in 1998. The East Fork White River and Whitewater River watersheds were reported in 1999 as an electronic update. Indiana's portion of the Upper Wabash basin was reported in Indiana Water Quality 2000. The Lower Wabash and Upper Illinois basins were reported for the 2001 electronic update. This report adds the Great Lakes basin, Ohio River tributaries, and mainstem Ohio River, providing a comprehensive assessment of Indiana streams for aquatic life use support. (See Figure 4.) Comprehensive assessment results for each basin appear in Appendix C.

Lake assessments are rotated on a five-year plan, generally north to south across the state. Assessments were rescheduled beginning with the 1998 sampling rotation. The new schedule more closely resembles the stream monitoring schedule. Since lake distribution is denser in the northern area of the state, the schedules do not match exactly. Lake monitoring results are generally available at the end of each monitoring year.

Ground water updates are provided as monitoring of Indiana's hydrogeologic settings progresses each year. The hydrogeologic settings that are assessed are added to the groundwater report, and new assessments replace older assessments.

The five-year rotating basin approach provides reports of comprehensive assessments of approximately 20% of Indiana watersheds each year. Watersheds have been assessed and reported for the entire state this year using this approach. A combination of probabilistic and targeted monitoring designs are used to provide data for waterbody assessment and to support other IDEM Office of Water Quality goals and programs.

Assessment Methodology and Summary Data

Use support status was determined for each stream waterbody using the assessment guidelines provided by USEPA (1997b). Available results from six monitoring result types were integrated to provide an assessment for each stream waterbody reported here.

- Physical/chemical water results.
- Fish community assessment.
- Benthic aquatic macroinvertebrate community assessments.
- Fish tissue and surficial aquatic sediment contaminant results.
- Habitat evaluation.
- *E. coli* monitoring results.

Lake assessments were based on the Indiana Trophic State (or eutrophication) Index, a modified version of the BonHomme Index developed for Indiana lakes in 1972. This multi-metric index combines chemical, physical, and biological data into one overall trophic score for each public lake and reservoir sampled. Scores range from 0 to 75. Lower values reflect more oligotrophic lakes and higher values represent more eutrophic lakes. This information is useful in evaluating watershed impacts on a lake.

Waterbodies are identified based on watershed areas known as 14- digit hydrologic unit areas (HUAs). These watersheds range from about 5,000 to 20,000 acres in Indiana. The average 14-digit hydrologic unit area in Indiana is about 12,000 acres or 20 square miles. River miles in a watershed appear as one waterbody with smaller segments designated when assessments for stream reaches differ. Each lake in a watershed is reported as a separate waterbody.

Large rivers with over 1,000 square miles of drainage area are tracked by reach of the mainstem within hydrologic unit areas. This way the wadeable streams and nonwadeable streams are separated so that issues, such as sampling techniques, which might bias results can be considered within a class of streams.

Lakes, reservoirs, and wetlands are tracked individually. They are reported with the hydrologic unit area in which they are located whether or not the lake or reservoir is also included as a linear stream feature in the National Hydrography Dataset.

Lake Michigan is tracked both as Great Lake shoreline miles and as a lake with its own USGS cataloging unit (eight-digit hydrologic unit code). The shoreline is assigned mileage units. Lake Michigan as a separate lake waterbody is assigned acreage units; it is not included in the lake acre assessment values in this report. Hopefully, separate tracking will lead to better assessment and understanding of the water quality of the Indiana waters of Lake Michigan.

The assessment process was applied to each data sampling program. Then the individual assessments were integrated into a comprehensive assessment for each waterbody by use designation: aquatic life support, fish consumption, drinking water supply, and recreational use. Each unique waterbody segment received it's own assessment. When the assessment for a segment was not homogeneous, the segment was split. Each smaller segment then received it's own assessment. Each segment in the 305(b) assessment database corresponds to a linear,

polygonal, or point feature in the Indiana Reach Index georeferenced to the National Hydrography Dataset.

Physical/chemical data for toxicants (total recoverable or dissolved metals, polynuclear aromatic hydrocarbons [PAHs], pesticides, ammonia, and cyanide), conventional water chemistry parameters (dissolved oxygen, pH, temperature, and anions), and bacteria (*E. coli*) were evaluated for exceedance of the Indiana Water Quality Standards (327 IAC 2-1-6 and 327 IAC 2-1.5-8). USEPA 305(b) Guidelines were applied to sample results as indicated in Table 5 (USEPA 1997b).

Table 5 Criteria for Use Support Assessment

Parameter	Fully Supporting	Partially Supporting	Not Supporting
Aquatic Life Use Support			
Toxicants	Metals, pesticides, PAHs, cyanide, ammonia were evaluated on a site by site basis and judged according to magnitude of exceedance and the number of times exceedances occurred using USEPA guidelines.		
Conventional inorganics	Dissolved oxygen, pH, total dissolved solids, specific conductance, sulfate, chloride were evaluated for exceedance of Indiana water quality standards using USEPA guidelines.		
Nutrients	Presence of some stream response dissolved oxygen, pH, algae, field observations with corresponding high inorganic and/or organic nutrient parameters combined with possible nutrient source(s).		
Benthic aquatic macroinvertebrate Index of Biotic Integrity (mIBI)	mIBI \geq 4.	mIBI < 4 and \geq 2.	mIBI < 2.
Qualitative habitat use evaluation (QHEI)	QHEI \geq 64.	QHEI < 64 and \geq 51.	QHEI < 51.
Fish community (IBI) (Lower White River, West Fork)	IBI \geq 44.	IBI < 44 and \geq 22	IBI < 22.
Fish community (IBI) (White, East Fork; Whitewater; and Upper Wabash basins)	IBI > 34	IBI \leq 34 and \geq 32	IBI < 32
Fish community (IBI) (Lower Wabash, Upper Illinois, Great Lakes, basin, Ohio River tributaries)	IBI \geq 32		IBI < 32
Sediment 1998 - 1999 (PAHs = polynuclear aromatic hydrocarbons. AVS/SEM = acid volatile sulfide/ simultaneously extracted metals.)	All PAHs \leq 75 th percentile. All AVS/SEMs \leq 75 th percentile. All other parameters \leq 95 th percentile.	PAHs or AVS/SEMs > 75 th percentile. (Includes Grand Calumet River and Indiana Harbor Canal sediment results, and so is a conservative number.)	Parameters > 95 th percentile as derived from IDEM Sediment Contaminants Database.

Table 5 Criteria for Use Support Assessment

Parameter	Fully Supporting	Partially Supporting	Not Supporting
Sediment (Upper Wabash, Lower Wabash, Great Lakes basin)	In addition: Locations with results above probable effects concentration and some indication of adverse biological or toxic response were classified as not supporting. Other locations identified for further biological or toxicity assessment (Ingersoll and MacDonald 1999).		
Indiana Trophic State Index (lakes only)	Nutrients, dissolved oxygen, turbidity, algae growth, and sometimes pH were evaluated on a lake-by-lake basis. Each parameter judged according to magnitude.		
Lake sport fishery survey by Indiana Department of Natural Resources	Supports cold water fishery, including native cisco and/or put and take trout.	Native cisco population are gone or lake unable to support put and take trout fishing.	Lake attributes appear to contribute to warm water fishery condition.
Fish Consumption			
Fish tissue	Group 1- Unlimited consumption*	Groups 2 - 4 – Limited consumption*	Group 5 – Do not eat*
* Indiana fish consumption Advisory, 2001, includes a state wide advisory for carp consumption for rivers and streams. Only site specific fish consumption advisories were considered in determining use support status.			
Drinking Water (Surface water intake before treatment)			
Pesticide application to surface drinking water reservoir	Drinking water reservoirs or lakes that received pesticide (algicide) application for taste and odor caused by algae were classified as not fully supporting drinking water because of the additional treatment required to prepare the water for drinking.		
Recreational Use Support (Swimmable)			
Bacteria: at least 5 equally spaced samples over 30 days.	Meets both geometric mean and no more than one sample substantially > single sample maximum	Meets geometric mean. More than one sample substantially > single sample maximum.	Exceeds geometric mean.
Bacteria: grab samples (cfu = colony forming units)	No more than one grab sample (no more than 10% if 10 or more samples) substantially > single sample maximum	More than 10% of samples substantially > single sample maximum. No more than one sample > 2,400 cfu/100ml	More than 25% of samples substantially > single sample maximum or more than one sample > 2,400 cfu/100ml

Source: IDEM Office of Water Quality

List of Impaired Waters

Waterbodies that require total maximum daily load calculations are reported to USEPA periodically as required by Section 303(d) of the Clean Water Act. The last report was in April 1998.

A draft list for 2002 was prepared and published in the Indiana Register, March 1, 2002. Public comments on the draft list were accepted through May 29, 2002.

Indiana's Listing Methodology describes the process used to place water bodies into the five Integrated List categories. See Appendix E.

The final 2002 Section 303(d) List of Impaired Waters is Category 5 of the Consolidated List of Indiana Waters, Appendix F. The list is available on the Office of Water Quality internet site: (<http://www.IN.gov/idem/water/planbr/wqs/303d.html>). Waters in Category 5 require TMDLs.

Rivers and Streams Water Quality Assessment

Designated Use Support

Rivers and streams in all watersheds were assessed for uses designated in Indiana water quality standards (Indiana Legislative Services Agency, 1997). The standards have both narrative and numeric requirements that are used to evaluate designated use support. Indiana has several designated uses for surface water. The ability of waterbodies to support aquatic life use and recreational use were assessed for this report. Individual waterbody assessment results may be found in Appendix B or on the IDEM Internet site at: (<http://www.IN.gov/idem/water/planbr/wqs/quality.html>).

Fish consumption advisories are based on data resulting from the bioaccumulation of pollutants in fish tissues and are tracked separately from other aquatic life use support parameters (USEPA 1997b). Fish consumption use was evaluated by using the Indiana Fish Consumption Advisory to indicate specific waterbodies that have limited fish consumption advisories. This report makes no assumptions regarding the relationship between the fish body burden of a contaminant and the state water quality standard for that contaminant developed and promulgated to provide for acceptable levels of human health protection under the Clean Water Act.

Assessed waters are those waterbodies that were evaluated or monitored and classified for use support based on the assessment results. Waterbodies with monitoring data over five years old are evaluated. Streams that have been assessed with probabilistic monitoring results that do not correspond to specific stream reaches are also classified as evaluated (Table 6). See the Special State Concerns and Recommendations section. Waterbodies that have been monitored within the past five years are classified as monitored. Some monitored waterbodies include supplemental monitoring data mostly from fish tissue samples collected as early as 1987 (USEPA 1997b).

Table 6 summarizes the division of assessed stream miles into evaluated and monitored categories. Ninety-nine and three tenths percent of Indiana stream miles have been assessed since 1998. The probabilistic monitoring program precludes relating every stream mile assessed for aquatic life use to the specific stream miles assessed for other uses at this time. In addition, the conversion from the Waterbody System Database to the 305(b) Assessment Database resulted in insufficient information in the new database for the streams reported in 1998. Therefore, an estimate of the total assessed stream miles that have been reported 1998 – 2002 are presented in the table.

Table 6 Summary of Fully Supporting, Threatened and Impaired Waters - Streams

National and State Uses (rounded to the nearest ten miles)

Degree of Use Support	Evaluated	Monitored	Total Assessed
Size fully supporting all assessed uses	13720	9280	23000
Size impaired for one or more uses	5790	6640	12430
TOTAL ASSESSED	19510	15920	35430

Source: Indiana 305(b) Assessment Database and IDEM Biological Studies Section

Waterbodies are classified for designated use support as described in the Assessment Methodology Section. Individual use support for the state is determined by adding the stream miles assessed for each use individually. Table 7 summarizes use support for the stream miles in the state. See Appendix B for site-specific assessments.

Table 7 Individual Use Support Summary - Streams

National and State Uses (rounded to the nearest ten miles)

Use	Size Assessed	Size fully supporting	Size Fully Supporting but Threatened	Size Partially Supporting	Size Not Supporting	Size Not Attainable
Aquatic life support	35430	23000			12430	14
Fish Consumption	3470			3250	220	
Drinking Water Supply	3	3				
Primary Contact (RECR)	8450	5500		70	2890	

Source: Indiana 305(b) Assessment Database and IDEM Biological Studies Section.

IDEM Office of Water Quality believes that the most consistent way to evaluate overall use support is best represented by the stream miles supporting aquatic life use, which is a designated use in the Indiana Administrative Code. Representative samples for fish community assessment have been used to determine overall aquatic life use support this year as part of the rotating basin watershed approach. Sampling locations randomly generated from Reach File 3 by USEPA's computer in Corvallis, Oregon were assessed by IDEM staff for fish community index of biotic integrity as part of the probabilistic monitoring program. The results of each year's sample data set were analyzed to determine the estimated aquatic life use support for the basin represented. A small number of samples were used to represent and estimate aquatic life use support for a large watershed area as shown in Table 8. Previous assessments required large numbers of individual samples each representing a specific location and stream mileage.

Table 8 Comprehensive Aquatic Life Use Support – Streams

PROJECT ID	PROJECT NAME	SUPPORT (miles)	NON SUPPORT (miles)	NOT ASSESSED (miles)	TOTAL (miles)
IN-GL00	GREAT LAKES TRIBUTARIES	999	2997		
IN-GM97	GREAT MIAMI BASIN	1463	163		
IN-UW98	UPPER WABASH BASIN	4776	1857		
IN-RW99	LOWER WABASH BASIN	4086	1221		
IN-WF96	WEST FORK WHITE BASIN	3120	1154		
IN-EF97	EAST FORK WHITE BASIN	3885	971		
IN-UN99	UPPER ILLINOIS BASIN	2528	1484		
IN-HT00	OHIO TRIBUTARY BASINS	1262	2563		
	PATOKA BASIN**	531	16	250	
	OHIO RIVER**	347			
	TOTAL STREAM MILES	22997	12426		35673
	PERCENT TOTAL	64.5	34.8		

Source: IDEM Biological Studies Section. **Indiana 305(b) Assessment Database

Causes/Stressors and Sources of Impairment of Designated Uses

Causes/ stressors are those pollutants or other stressors that contribute to the actual or threatened impairment of designated uses in a waterbody. Toxic substances listed in the state water quality numeric standards and conditions such as habitat alterations, presence of exotic species, etc. are all examples of causes or stressors. The stressor inhibits the waterbody from providing a habitat that can support aquatic life or creates a situation that is hazardous to human health or animal life.

Table 9 represents the total miles of streams affected by each cause/stressor in Indiana. A waterbody may be impaired by several different causes/stressors so that the total stream miles affected may actually be less than the total number of miles listed in the table.

Biotic community status represents streams where the cause of impairment is not identified. The fish and/or benthic macroinvertebrate community at sampling sites in the watershed have responded to as yet unidentified stressors. The category corresponds to national code “unknown”. See Appendix A for cause definitions.

Table 9 Summary of National and State Causes Impairing Waters – Streams
(Rounded to the nearest mile)

Cause/ Stressor	Size (miles)
Cause unknown	2128
Biotic community status	2128
Pesticides	54
Atrazine	6
Priority organics	64
PAHs	22
PCBs	3007
Dioxins	154
Metals	2734
Cadmium	17
Copper	29
Lead	90
Mercury	2678
Nickel	13
Zinc	31
Unionized Ammonia	70
Cyanide	65
Sulfates	106
Nutrients	277

Cause/ Stressor	Size (miles)
PH	60
Siltation	16
Organic enrichment/Low DO	335
Organic enrichment	31
Low dissolved oxygen	301
Salinity/TDS/chlorides	205
Total dissolved solids	186
Chlorides	19
Thermal modifications	15
Other habitat alterations	55
Pathogens (<i>E. coli</i> indicator)	2952
Oil and grease	11
Algal Growth	55

Source: Indiana 305(b) Assessment Database.

Sources are the activities that contribute pollutants or stressors to surface water resulting in impairment of designated uses in a waterbody. The activities listed in Table 10 represent the total stream miles impaired due to each possible source. Several sources may contribute to impairment of a stream or stream reach, so the total miles in the table may be greater than the actual stream miles impaired.

Table 10 provides more information than was available for the previous report in 2000. Since 1998, 32 potential sources of pollutants have been added to Table 10 including agricultural categories and additional sources resulting from urban activities and land development. Illicit connections identify “straight pipes” from buildings in unsewered areas that flow into state waters without any treatment. Contaminated sediments are largely due to PCBs that correlate with elevated PCB levels in fish tissue resulting in group 5 (do not eat) fish consumption advisories. See Appendix A for source definitions.

Table 10 Summary of National and State Sources Impairing Waters – Streams

(Rounded to the nearest mile)

Source	Size (miles)
Industrial Point Sources	287
Municipal Point Sources	263
Package Plants (Small Flows)	55
Combined Sewer Overflow	174
Collection System Failure	2
Agriculture	540

Source	Size (miles)
Crop-related Sources	132
Livestock	284
Intensive animal feeding operations	3
Construction	2
Highway/road/bridge construction	2
Land development	2
Urban Runoff/Storm Sewers	452
Other Urban Runoff	254
Illicit connections/illegal hook-ups/dry weather flows	167
Erosion and sedimentation	18
Resource Extraction	87
Acid Mine Drainage	63
Abandoned Mining	24
Land Disposal	189
Landfills	7
Inappropriate waste disposal/wildcat dumping	35
Onsite Wastewater Systems (Septic Tanks)	144
Hydromodification	201
Channelization	175
Dredging	46
Dam construction	16
Flow regulation/modification	10
Habitat Modification (other than Hydromodification)	228
Removal of riparian vegetation	83
Bank or shoreline modification/destabilization	14
Contaminated Sediments	176
Debris and bottom deposits	18
Natural Sources	43
Salt storage sites	26
Other	2569
Nonpoint source/ unknown origin	2569
Source Unknown	2135

Source: Indiana 305(b) Assessment Database

Great Lakes Shoreline Water Quality Assessment

The Indiana portion of Lake Michigan is under a limited fish consumption advisory issued by the Indiana State Department of Health. The Lake Michigan shoreline miles represented in Table 11 are under the same limited consumption advisory. Lake Michigan shoreline is also classified as partially supporting recreational use. The shoreline miles reported in Tables 11 through 14 represent linear shoreline miles from the National Hydrography Dataset.

Table 11 Summary of Fully Supporting, Threatened and Impaired Great Lakes Shoreline

National and State Uses (shoreline miles)

Degree of Use Support	Evaluated	Monitored	Total Assessed
Size fully supporting all assessed uses			
Size fully supporting all assessed uses but threatened for at least one use			
Size impaired for one or more uses	6	53	59
Size not attainable for any use and not included in the line items above			
TOTAL ASSESSED	6	53	59

Source: Indiana 305(b) Assessment Database

Lakes are classified for support of designated uses as described in the Assessment Methodology section. Indiana's entire portion of the Lake Michigan shoreline was assessed in 2001. See Appendix B for site-specific assessments.

Table 12 Individual Use Support Summary – Great Lakes Shoreline

National and State Uses (in miles)

Use	Size Assessed	Size fully supporting	Size Fully Supporting but Threatened	Size Partially Supporting	Size Not Supporting	Size Not Attainable
Aquatic life support	59	58			1	
Fish Consumption	59			59		
Drinking Water Supply	33	33				
Primary Contact (RECR)	59	1			58	

Source: Indiana 305(b) Assessment Database

Causes/ stressors are pollutants or other stressors that adversely impact the designated uses of a lake. PCBs and mercury are the fish tissue contaminants identified in fish consumption advisories. Pathogens (*E. coli* is the indicator measured.) identify recreational use impairment for Indiana's Lake Michigan shoreline (Table 13). See Appendix A for cause definitions.

Table 13 Summary of National and State Causes Impairing Great Lakes Shoreline

Cause/ Stressor	Size (miles)
PCBs	59
Metals	59
Mercury	59
Cyanide	1
Pathogens	58

Source: Indiana 305(b) Assessment Database

Sources are the activities that contribute pollutants or stressors to lakes resulting in impairment of designated uses. Six possible activities contributing to impairment of the Lake Michigan shoreline have been added as a result of the 2001 assessments (Table 14). See Appendix A for source definitions.

Table 14 Summary of National and State Sources Impairing Great Lakes Shoreline

Source	Size (miles)
Urban runoff/storm sewers	18
Illicit connections/illegal hook-ups/dry weather flows	18
Land Disposal	18
Onsite wastewater systems (septic tanks)	18
Other	6
Nonpoint source/unknown origin	6
Source Unknown	59

Source: Indiana 305(b) Assessment Database

Great Lake Water Quality Assessment – Lake Michigan

The Indiana waters of Lake Michigan have been assessed for fish consumption. Tables 15 and 16 reflect the fish consumption advisory for Lake Michigan issued by the Indiana State Department of Health.

Table 15 Summary of Fully Supporting, Threatened and Impaired Great Lake National and State Uses (acres)

Degree of Use Support	Evaluated	Monitored	Total Assessed
Size fully supporting all assessed uses			
Size fully supporting all assessed uses but threatened for at least one use			
Size impaired for one or more uses		154,176	154,176
Size not attainable for any use and not included in the line items above			
TOTAL ASSESSED		154,176	154,176

Source: Indiana 305(b) Assessment Database

Table 16 Individual Use Support Summary – Great Lake

National and State Uses (in acres)

Use	Size Assessed	Size fully supporting	Size Fully Supporting but Threatened	Size Partially Supporting	Size Not Supporting	Size Not Attainable
Aquatic life support						
Fish Consumption	154,176			154,176		
Drinking Water Supply						
Primary Contact (RECR)						

Source: Indiana 305(b) Assessment Database

Lake Water Quality Assessment

Designated Use Support

AQUATIC LIFE USE SUPPORT (ALUS) of lakes and reservoirs has not been frequently monitored in Indiana, owing to the fact that the majority of State resources have gone toward assessing the trophic status of lakes in the state. Since Indiana's Trophic State Index (TSI) focuses on such water quality components as nutrients, dissolved oxygen, water clarity, and plankton; trophic information alone is considered insufficient for judging the exact condition of biological communities such as fish, macroinvertebrates, and rooted plants. Although the State has long used biological indicators of river and stream health, it has only recently begun looking at the potential for such indicators within lake settings.

In 1999 and 2000, the State utilized Section 319 monies to fund a study to determine if fish and macroinvertebrate IBIs (Index of Biotic Integrity) could be developed for natural lakes and reservoirs in the Indiana portion of the Central and Eastern Corn Belt Plains ecoregions. Additional funding has been awarded to conduct a similar study on the fish communities of oxbow and fluvial lakes found in the southern parts of the state. Preliminary findings from the fish portion of this study appear very promising in this regard. Macroinvertebrate data collected during this study are still being quality checked prior to statistical analysis, although the initial numbers and diversity of organisms collected also appear to be promising.

For purposes of this Report, assessments of ALUS for lakes was determined using current and historical information gathered by fishery biologists with the Indiana Department of Natural Resources (IDNR or DNR). While monitoring the status of sport fish communities in lakes and reservoirs around the state, DNR biologists have noted the distribution and abundance of native cisco (*Coregonus artedii*) populations. This native salmonid (fish) is sensitive to environmental conditions within the layer of water that is their domain. Their requirements for cool temperatures and adequate dissolved oxygen in this layer makes them susceptible to the effects of increased nutrients and turbidity; which can lead to shading out of deeper plants and/or oxygen depletion below the thermocline during periods of summer stratification. Although other stressors--such as over-fishing, being out-competed or preyed upon--may also be impacting these populations; DNR reports are often unclear as to which of these causes is affecting any given lake. A more thorough investigation of various data from these lakes and their watersheds will be needed to make such determinations.

Lakes which have--at some point in recorded history--lost their native cisco population have been listed here as partially supporting for ALUS, since it is assumed that the warmwater fish community may still be thriving in those lakes. Lakes whose heretofore thriving cisco populations are now considered rare or probably extirpated have been listed here as threatened. Lakes where cisco are still commonly found have been listed as fully supporting, since it is assumed that warm water fishes are also being sustained where their cold water counterparts are thriving. All other lakes (those where Cisco have always been and still are rare, or those beyond the ciscoes natural range) have been left as unassessed at this time.

FISH CONSUMPTION USE SUPPORT assessments were made in the recent past using the currently published Indiana Fish Consumption Advisory (FCA). The same was done here using the 2001

Indiana FCA, which currently lists 69 lakes for mercury and/or PCB contamination. Lakes and reservoirs where fish consumption advisories have been issued for contaminant of any fish species are listed as partially supporting for fish consumption use.

RECREATIONAL USE SUPPORT has also been rarely monitored for in Indiana lakes and reservoirs, except at swimming beaches. Historically, if persons were utilizing a given lake, it was considered to be supporting of that use--despite any knowledge (or lack thereof) of its bacteriological component. Past difficulties in collecting and transporting bacteriological samples to a state laboratory within the required time frame was one of several hindrances to monitoring of this type. Funding from a Section 319 grant, however, has allowed the State to a) initially contract out some *E. coli* testing, and b) purchase a cargo van and outfit it as a mobile *E.coli* laboratory for more long-term monitoring benefit. In 2000, the mobile van followed routes throughout the Great Lakes watersheds. About a dozen lakes, in addition to the many river and stream sites, had statistically valid bacteriological sampling done on them for at least a month during the recreational season of April through October. Unfortunately, for ease of access, these samples were typically taken at a boat ramp and may or may not be indicative of bacteria counts elsewhere in the lake. During the 2001 sampling season, mobile lab routes included only one lake within each of the West Fork White River and Patoka River watersheds. The results for all were found to be well-within State guidelines for recreational use support.

As indicated above, swimming beach managers have long been major players in monitoring the bacteriological quality of waters around the state. It is hoped that access to beach monitoring information, be it raw data or information on beach closures, will be more readily available for future assessments. Much effort will be needed on the part of the State, however, to gather and assess this information each year, since reporting to a centralized location is no longer a requirement in Indiana. Still, as mentioned previously, swimming beach information may or may not be a good indication of water quality conditions elsewhere in the lake, where wading or water skiing may be occurring.

DRINKING WATER USE SUPPORT has been assessed within the lakes program for the first time this year. Reservoirs and lakes used directly or indirectly for drinking water supplies (as a withdrawal point or for upstream storage) were taken into consideration for this assessment. Water utilities are not currently required to report data on raw water sources, only on finished water quality. Key information used here included drinking water lakes for which pesticide application permits have been issued within the past five to six years. This information was available from both the IDNR Division of Fish and Wildlife (which regulates and approves such permit applications) and IDEM's Drinking Water Branch.

As mentioned above for aquatic life use support, recent discoveries of an exotic bluegreen algae came into play with assessments of drinking water use support. One or two drinking water lakes have been classified as threatened if the presence of this algae has been confirmed there. Long-term ramifications of this algae within these lakes is currently under study by a panel of professionals from around the state.

Cumulative lake assessment data are presented in Tables 17 through 20. Eight additional causes and five additional possible source activities were identified in 2001 assessments. See appendix B for site-specific assessments. Cause and source definitions may be found in appendix A.

Table 17 Summary of Fully Supporting, Threatened and Impaired Lakes, Reservoirs
National and State Uses (Rounded to nearest 10 acres)

Degree of Use Support	Evaluated	Monitored	Total Assessed
Size fully supporting all assessed uses	490	2180	2,670
Size fully supporting all assessed uses but threatened for at least one use	0	0	0
Size impaired for one or more uses	540	68,550	69,090
Size not attainable for any use and not included in the line items above	0	0	0
TOTAL ASSESSED	1030	70,730	71,760

Source: Indiana 305(b) Assessment Database

Table 18 Individual Use Support Summary – Lakes, Reservoirs

National and State Uses (Rounded to nearest 10 acres)

Use	Size Assessed	Size fully supporting	Size Fully Supporting but Threatened	Size Partially Supporting	Size Not Supporting	Size Not Attainable
Aquatic life support	13,720	5,740		6,310	1,670	
Fish Consumption	65,190			65,190		
Drinking Water Supply	25,460		9,110	15,870	480	
Primary Contact (RECR)	7,170	7,170				

Source: Indiana 305(b) Assessment Database and IDEM Biological Studies Section.

Table 19 Summary of National and State Causes Impairing Lakes, Reservoirs

Cause/ Stressor	Size (Rounded to nearest 10 acres)
Cause Unknown	4960
Biotic community status	4960
PCBs	19,230
Metals	55,140
Mercury	55,140
Nutrients	1350
pH	110
Thermal modifications	1560
Taste and odor	9330
Noxious aquatic plants	3280
Algal Growth/chlorophyll a	13,080

Source: Indiana 305(b) Assessment Database

Table 20 Summary of National and State Sources Impairing Lakes, Reservoirs

Source	Size (Rounded to nearest 10 acres)
Industrial Point Sources	1,560
Resource Extraction	110
Acid mine Drainage	110
Other	210
Source Unknown	63,470

Source: Indiana Water Quality Report 1998 and Indiana Fish Consumption Advisory

Indiana Clean Lakes Program

The Indiana Trophic State Index (TSI) is used to assign points for each of ten common water quality parameters. The total of these points for a particular lake is that lake's trophic or TSI score. Scores range from 0 to 75 points, with lower numbers indicating more oligotrophic conditions and higher numbers indication more eutrophic conditions.

During the 1970s, Indiana lakes and reservoirs were divided into three classes based on trophic scores determined for them at the time. Class I lakes were least impacted by nutrients, scoring

between 0 and 25 points on the Indiana Trophic State Index. Class II lakes (26-50 points) showed an intermediate amount of nutrient enrichment. Class III lakes scored 51 to 75 points and demonstrated the highest level of enrichment or eutrophication. A fourth lake class, which included remnant and oxbow lakes, ceased to be utilized in the lakes program since waterbodies listed in this class are more typically recognized and/or regulated as wetlands.

In 1998, Indiana lakes were divided into five classes consistent with USEPA guidelines (USEPA 1997b), whose methodology appears consistent with the original lake classification scheme described above for Indiana. The lake classes used in this report, in order of increasing eutrophication, are:

- oligotrophic less than 15 points on the Indiana TSI scale;
- mesotrophic 16-31 TSI points;
- eutrophic 32-46 TSI points;
- hypereutrophic greater than 47 TSI points;
- dystrophic lakes with little plant growth despite the presence of nutrients; usually due to high humic conditions.

Staff and students at Indiana University's School of Public and Environmental Affairs (SPEA), funded by a Section 319 grant, monitored 403 lakes during the summers of 1996 through 2000. Data for seven (7) of these lakes was considered unusable for this assessment, due to technical difficulties in the laboratory.

In keeping with past practices and university class schedules, the lake samples are collected during July and August of each year since this is when the water column in the lakes naturally stratify. The results, then, are expected to represent worst-case conditions for lake water quality, consistent with past monitoring efforts in the state and elsewhere.

Sampling protocol calls for a single set of water samples to be collected from the deepest portion of each lake and analyzed at the SPEA laboratory in Bloomington, Indiana using standard methods (APHA 1992). All other chemical analyses and plankton counts are also completed in the SPEA lab in Bloomington, Indiana. Dissolved oxygen, pH, and water clarity readings are taken in the field.

During the past five years, TSI scores ranged from a low of 0 points for Pump Lake in Sullivan County to a high of 68 points on Black Lake, Whitley County. The average trophic score during this five-year period (1996-2000) was 27 points, which is the upper half of the mesotrophic class (or the lower end of Class II in the original Indiana lake classification scheme).

Of the lakes sampled from 1996 to 2000, approximately 21% fell into the oligotrophic category, 42% were classified as mesotrophic, 28% as eutrophic, and 8% as hypereutrophic. One percent of the lakes with data older than five years were listed as unknown (Table 21).

Looking at acreage for each classification shows us that 13% fell into the oligotrophic category. The next three classes—in order—contained 71%, 13%, and 3% of the lake acres monitored from 1996-2000. Less than one percent of the lake acres were classified as unknown.

A summary of trophic status for lakes sampled throughout the state between 1996 and 2000 is presented in Table 21. "Significant public lakes" means all lakes monitored regardless of ownership or access. See Appendix D for individual lake classification.

Table 21 Trophic Status of Significant Public Lakes Assessed 1996-2000

	Number of Lakes	Lake Acres
Total assessed for Trophic Status	371	100,815
Oligotrophic	77	13,194
Mesotrophic	157	71,517
Eutrophic	104	12,846
Hypereutrophic	29	3,108
Unknown	4	150

Source: Indiana 305(b) Assessment Database

Based on lake monitoring efforts to date, Indiana is still just beginning to have enough data points collected to do some cursory trend analysis (Table 22). Of the lakes sampled during this period, approximately 43% (39% of the acreage) appear to be stable; they are neither losing nor gaining with respect to eutrophication status. Twelve percent of the lakes (eight % of the acres) show some water quality improvement due to decreasing eutrophication. Six percent of the lakes sampled between 1996 and 2000 (11 % of the acreage) show degraded water quality due to increasing eutrophication. The water quality trend is fluctuating or unknown for 38% of the lakes (42% of the acreage). A lack of trend detection here may be due to insufficient data points for a particular lake (i.e. it is new or was never sampled in the past). Lack of detectable trends can also be due to sampling error, methodology, abnormal seasonal effects, or changing activities in the surrounding watershed.

Table 22 Trends in Trophic Status of Significant Public Lakes - 1996-2000

	Number of Lakes	Lake Acres
Assessed for trends	371	100,815
Improving	46	8,086
Stable	161	39,181
Fluctuating	86	37,007
Degrading	23	10,825
Trend Unknown	55	5,716

Source: IDEM Biological Studies Section

Efforts were made to more closely align the five-year rotation of lake assessments with IDEM's current surface water monitoring strategy. The goal was to enable a temporal comparison of the assessed water quality of lakes with that of adjoining rivers and streams. The difficulty with such an approach lies in the fact that lakes are not distributed as equally around the state as rivers and streams are. While some basins contain few lakes, others contain more than can feasibly be sampled in a given year. Therefore, switching from a sampling regime that includes all lakes and reservoirs to one with a probabilistic sampling design might be preferable in the future.

Wetlands Assessment

The Indiana Department of Environmental Management (IDEM) administers the Clean Water Act Section 401 Water Quality Certification (WQC) Program. IDEM regulates the placement of fill materials, excavation (in certain cases), and mechanical clearing of wetlands and other waterbodies. IDEM draws its authority from the federal Clean Water Act and from Indiana's water quality standards. IDEM regulates activities in conjunction with the U.S. Army Corps of Engineers.

Any person who wishes to place fill materials, excavate or dredge, or mechanically clear (use heavy equipment) within a wetland, lake, river, or stream must first apply to the Corps of Engineers for a Clean Water Act Section 404 permit. If the Corps of Engineers decides a permit is needed, then the person must also obtain a Clean Water Act Section 401 water quality certification from IDEM. Section 401 water quality certification information is available on the IDEM Internet page (<http://www.in.gov/idem/water/planbr/401/wqs/401home.html>).

Under Clean Water Act Section 401, IDEM reviews the proposed activity to determine if it will comply with Indiana's water quality standards. The applicant may be required to avoid impacts, minimize impacts, or mitigate for impacts to wetlands and other waters. IDEM will deny water quality certification if the activity will cause adverse impacts to water quality. A person may not proceed with a project until they have received a certification from IDEM. A key goal of the program is to insure that all activities regulated by IDEM meet the no net loss of wetlands policy.

Development of Wetland Water Quality Standards

Rulemaking efforts are underway to help guide state wetland regulatory efforts. Additionally, wetland issues are being discussed by legislative subcommittees. These discussions will provide additional guidance to the state on wetland regulatory responsibilities.

Integrity and Extent of Wetland Resources

Wetlands occur in and provide benefits to every county in Indiana. The lack of quantitative information on some aspects of Indiana's wetland resources is a major obstacle to improving wetland conservation efforts.

The most extensive database of wetland resources in Indiana is the National Wetlands Inventory developed by the U.S. Fish and Wildlife Service. Indiana's National Wetlands Inventory maps were produced primarily from interpretation of high-altitude color infrared aerial photographs (scale of 1:58,000) taken of Indiana during spring and fall 1980-87. The maps indicate wetlands to type, using the Cowardin *et al.* classification scheme. The minimum size of a given wetland on National Wetland Inventory maps is typically one to three acres. Very narrow wetlands in river corridors and wetlands under cultivation at the time of mapping are generally not depicted. Forested wetlands are poorly described.

The Indiana Department of Natural Resources conducted the most recent and complete analysis of this database in 1991. According to the report, Indiana had approximately 813,000 acres of wetland habitat in the mid-1980s when the data were collected (Table 23). Wetland loss or gain since then is not known at this time. (Rolley 1991)

Table 23 Extent of Wetlands by Type

(rounded to nearest thousand acres)

Wetland type (Cowardin et al. 1979)	Historical extent (acres)	Most recent acreage (1991)
Palustrine scrub/shrub (PSS)		42,000
Palustrine forested (PFO)		504,000
Palustrine emergent (PEMB)		55,000
Palustrine emergent seasonally flooded (PEMC)		68,000
Palustrine emergent semi-permanently flooded (PEMF)		21,000
Palustrine open water (POW)		99,000
Lacustrine limnetic open water (L10W)		141,000
Riverine (R)		53,000
Total	5,600,000	813,000

Source: Rolley 1991.

Wetland Protection Activities

In addition to the review of applications for Section 401 Water Quality Certification, the program worked on additional projects devoted to wetland assessment and wetland protection:

- IDEM staff work closely with the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, USEPA, and the Indiana Department of Natural Resources to evaluate projects in planning and to coordinate requirements for various state and federal permits related to wetlands.
- IDEM maintains a web page devoted to wetlands and water quality issues. This page is under development and is expected to include information on the status of Indiana's wetlands, current laws and rules, conservation programs, and links to other regulatory and non-regulatory wetland programs. The Water Quality Certification staff conduct outreach events at various locations to promote the importance of wetlands and to educate the public on regulations protecting wetlands.
- IDEM is working closely with other regulatory agencies on the development of an interagency agreement that addresses key issues governing the use of wetland mitigation banks in Indiana.
- IDEM continues to work closely with all partners in the Indiana Wetland Conservation Plan. Part of the implementation phase of the plan calls for the development of an Indiana-focused

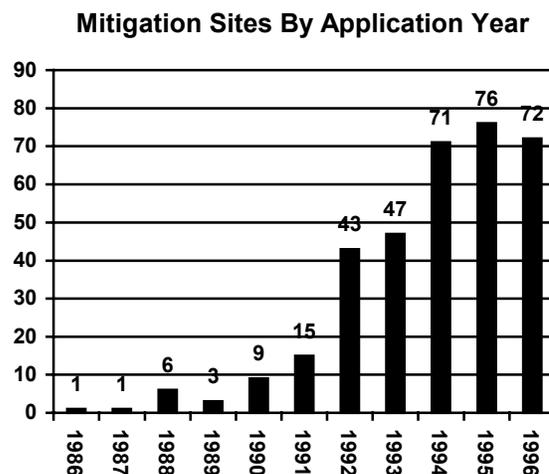
assessment protocol, which was field tested during the summer of 1999 by IDEM and other regulatory agencies.

- IDEM is implementing grant funds obtained from a USEPA Wetlands Protection grant to evaluate regulatory activities on wetland acreage. Anticipated products include a revised certification database, which will be web-accessible, and a revised estimate of historic and current wetland losses.
- IDEM is implementing grant funds obtained from a USEPA Wetlands Protection grant to develop wetland outreach materials targeted to potential permittees, school-age children, and citizens interested in wetland protection. Materials will include a set of brochures, an application guidebook, and a wetland video to be produced by the end of 2000.

Wetland Compensatory Mitigation: An Ongoing Study

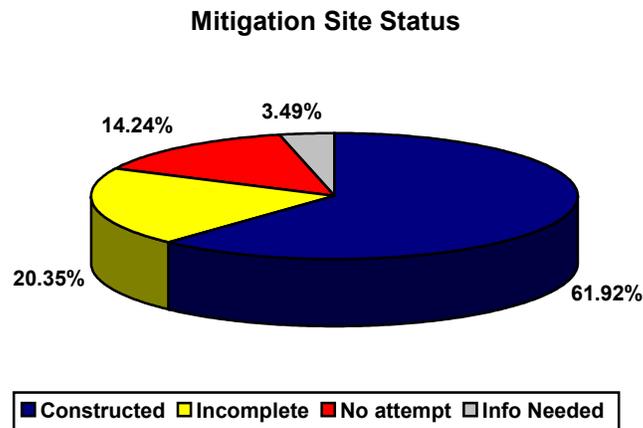
Over the course of the last four years IDEM has undertaken a review of wetland compensatory mitigation in Indiana. Wetland compensatory mitigation is the replacement of wetlands lost through the permitting process. Since its inception in 1986 IDEM has increasingly required the restoration, creation or enhancement of wetlands as compensation for wetland losses before it will issue a Water Quality Certification. The study revealed this increase in the number of mitigation sites required over the life of Water Quality Certification program (Figure 6).

Figure 5 Mitigation Sites by Application Year



It also revealed significant compliance problems. The study inventoried 344 sites during the summer and fall of 1998 and the spring of 1999. Nearly 35% of the sites had not been completed. Applicants had made no attempt on 49 of the sites. Another 70 sites showed some signs of construction activity but had not been completed (Figure 7).

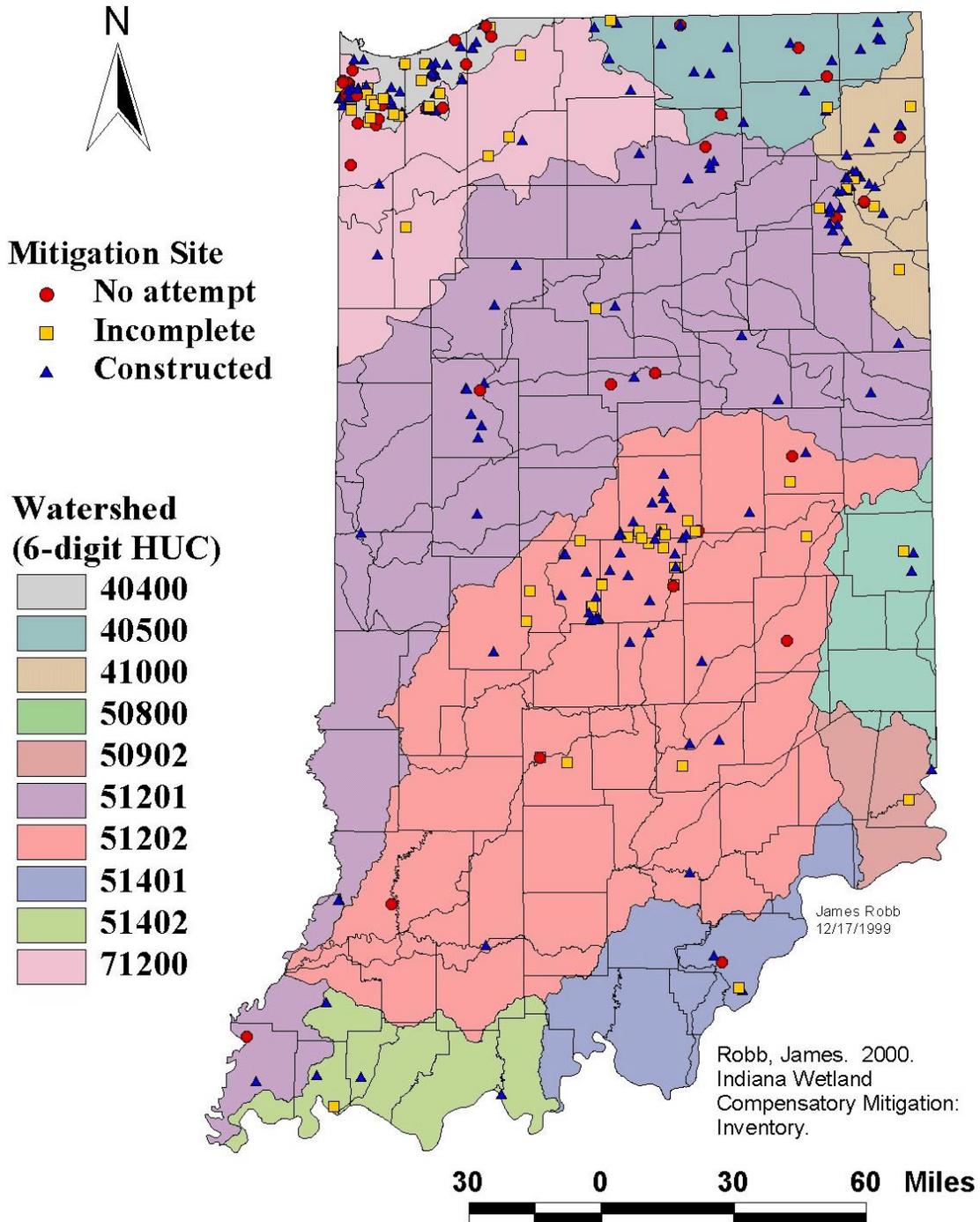
Figure 6 Mitigation Site Status



Over a third of the mitigation sites lie within watersheds feeding the Great Lakes. Nearly one-fifth of the mitigation sites lie in the Little Calumet-Galien watershed, the watershed directly abutting Lake Michigan (Figure 8).

Figure 7 Mitigation Site Distribution

Mitigation Site Distribution



During the summer of 1999 IDEM measured the wetland acreage and mapped the vegetation community in 31 randomly selected constructed mitigation sites. The purpose of this study was to gauge the performance of compensatory mitigation effort in Indiana by measuring the area of wetland established as a result of these efforts. This study used Global Positioning System (GPS) techniques to map the total area of wetland and the area of each established wetland vegetation community. IDEM required 34.31 hectares (ha) [84.7 acres] in compensation for the 13.72 ha (33.9 acres) of state waters lost through the permit actions associated with these sites. The mapping effort demonstrated that a total of 15.21 ha (37.6 acres) of wetland and other waters had established at these sites, a net gain of 1.49 ha (3.7 acres). Mapping of each vegetation community at these sites revealed that forested areas, which had a failure rate of 71 percent, and wet meadow areas (87% failure) were harder to establish than shallow emergent areas (17% failure) and open water areas (4% failure). Compensation for this risk of failure would require minimum mitigation ratios of 3.4:1 for forested, 7.6:1 for wet meadow, 1.2:1 for shallow emergent, and 1:1 for open water. Additional mitigation may be needed to offset the effects of temporal loss of wetland function. Although there was a net gain in area over all, forested wetlands experienced a net loss of 4.15 ha (10.3 acres) raising concerns that forested areas are being replaced with shallow emergent and open water community types. Visit the IDEM Wetlands web site: http://www.in.gov/idem/owm/planbr/401/mitigation_monitoring.html for more information.

Public Health/ Aquatic Life Concerns

The release of toxic materials into the aquatic environment can produce effects in several ways:

- Contaminants present in acutely toxic amounts may kill fish or other aquatic organisms directly.
- Substances present in lesser, chronically toxic, amounts can reduce densities and growth rates of aquatic organisms and/or bioaccumulate in their tissues that are consumed by humans.
- Toxic materials in the water could potentially affect human health by contaminating public water supplies; although, at this time IDEM has no data to indicate that there have been any adverse human health effects due to toxic substances in surface water supplies.

In the last several years, advances in analytical capabilities and techniques, and the generation of more and better toxicity information on chemicals have led to an increased concern about their presence in the aquatic environment and the associated effects on human health and other organisms. Because many pollutants are likely to be found in fish tissue and bottom sediments at levels higher than in the water, much of the data on toxic substances used for fish consumption assessments in this report was obtained through the fish tissue and surficial aquatic sediment monitoring program.

The Indiana Fish Consumption Advisory identifies fish species, which contain toxicants at levels of concern for human consumption, using the Great Lakes Task Force risk-based approach. The 2001 advisory is based on levels of polychlorinated biphenyl compounds and mercury found in fish tissue. While not all species of fish found in Indiana lakes and streams nor all waters have been tested, carp have generally been found to be contaminated with both polychlorinated biphenyls and mercury at levels of concern. All waters of the state are under some limited consumption advisory for at least some species (i.e. carp). For fish caught in waters not

specifically listed in the Indiana Fish Consumption Advisory, a general Group 2 advisory has been issued (one meal/week for general population and one meal/ month for women who are pregnant or breastfeeding, women who plan to have children, and children under the age of 15). (ISDH 2001)

Fish consumption use is reported separately from aquatic life use in order to provide more information about each individual use. Concerns related to fish consumption advisories can be evaluated independently of the impact of other parameters affecting the support of aquatic communities. It is expected that as more lakes and streams are monitored, toxicants will be found at levels of concern in the new samples (i.e., mercury and/or PCBs). The measured miles of streams and acres of lakes affected by toxicants are expected to increase in the near term due to additional lakes and streams with specific fish consumption advisories.

A diverse and healthy fish community is considered an indication of good water quality. Serious public concern is generated when dead and dying fish are noted in the aquatic environment since this is sometimes evidence of a severe water quality problem and may indicate the long-term loss of use of affected water as a fishery. A fish kill can result from:

- The accidental or intentional spill of a toxic compound or oxygen-depleting substance into the aquatic environment.
- Continuous industrial or municipal discharge which may release, due to a system upset, an atypical effluent containing high concentration of pollutants.
- Natural causes such as disease, extreme draught, or depletion of dissolved oxygen from extreme weather conditions.

Spills recorded by the IDEM Office of Land Quality for 1996 through 1999 are listed in Table 24.

Table 24 Spills 1996 - 1999

Year	Spills	Fish Kills
1996	2,381	25
1997	2,268	24
1998	2,675	27
1999	2,588	39

Source: IDEM Office of Land Quality

Drinking Water Source Assessment

Source water assessment stakeholders, as part of a source water assessment advisory panel, participated with IDEM in the development of a source water assessment plan. IDEM with stakeholders has developed a source water assessment plan that will identify or delineate the areas (watersheds and wellheads) in Indiana that supply public drinking water. In the delineated source water areas, IDEM will inventory the potential sources of contamination from regulated facilities and assess water system susceptibility to contamination. IDEM submitted a source water assessment plan to the USEPA on February 4, 1999 and has requested an 18-month extension in addition to the initial two-year implementation period. Approximately 4300 source water assessments of Indiana's public water systems are projected to be completed by May 2003.

Implementation of Indiana's source water assessment plan will require contractual agreements to conduct source water assessments. It is anticipated that contractual agreements will be used for most aspects of the source water assessment plan. Agreements with other state and federal agencies such as the Indiana Geological Survey and the United States Geological Survey may be used to obtain or develop information about Indiana's ground water and surface water utilized as a water source by public water systems.

To assess Indiana's source water areas will require an inventory of potential contaminants and a determination of water system susceptibility to contamination. IDEM will use elements from the existing Wellhead Protection Program as tools for assessing the surface and ground water used as a source by public water systems. Assessing source water in Indiana will include delineating ground water within a 5 year time of travel or within a 3,000 feet radius of designated community public water system wells and for non-community ground water system wells, a fixed radius of 300 or 3000 feet will be used. Assessments of surface water public water systems will include delineating watershed boundaries upstream of the water system intakes. For both wellheads and watersheds, inventories of potential sources of contamination within source water areas will be developed within the guidelines of the Source Water Assessment Plan.

Existing information about Indiana's surface water and ground water that will be useful in assessing the source waters of public water systems will be obtained from both state and federal agencies such as the Indiana Department of Natural Resources and the United States Geological Survey. Public water system sanitary surveys, vulnerability assessments, water well logs, and existing monitoring data will also be used in assessing public water system susceptibility to contamination. In addition to using existing information, on-site visits will be made to public water systems to identify the location and proximity of potential sources of contamination and to accurately locate public water supply wells using a global positioning system.

Based on contaminant inventories, information obtained on-site from public water systems and from various state and federal water agencies, the susceptibility of public water systems to possible contamination will be determined. To manage and access the information generated by a state-wide assessment of Indiana's public water supply sources, the use of geographical information systems is proposed. To integrate data and information from a wide variety of sources, a geographical information system will be needed and will be used to describe source water assessment areas. Geographical information systems developed for source water assessment can also be used to communicate source water assessment findings to the public in electronic and graphic formats. Education and community outreach activities will also be used to disseminate source water assessment results.

GROUND WATER ASSESSMENT 2002 Draft 3/27/02

Introduction to Indiana Ground Water

Ground water is an important resource for Indiana citizens, agriculture, and industry. The majority of the state's population use ground water for drinking water and other household uses. Of the population served by public water supplies, approximately 50 percent depend on ground water. In 2000, 4154 public water systems supplied ground water to a population of approximately two and a half million people (<http://www.in.gov/idem/water/index.html>) (IDEM 2000 Annual Compliance Report for Indiana Public Water Systems). Over one-half million Indiana homes have private wells for their water supply. Ground water is also an integral component in Indiana's economy. During the growing season, ground water is withdrawn at an average rate of 282.9 million gallons per day (mgd) for crop and turf irrigation (based on a 90-day season). Industry withdraws an average 98.6 mgd of ground water, and 31.3 mgd is used for energy production (Ralph Spaeth, Indiana Department of Natural Resources, written communication, 2000).

Indiana's potable ground water occurs in both unconsolidated and bedrock (consolidated) aquifer systems. The most productive aquifers are associated with glacially derived outwash sand and gravel deposits that occur in the major river valleys. Other good unconsolidated aquifers are found in the thick, inter-till sand and gravel deposits and outwashes of central and northern Indiana. The withdrawal potential in unconsolidated aquifers is up to 2000 gallons per minute (gpm). The major bedrock aquifers include the Pennsylvanian Age sandstones of southwestern Indiana, Mississippian Age limestones in the south central area, Devonian Age limestones and dolomites across northern and central Indiana, and Silurian Age limestones and dolomites in the north and central portions of the state. Major bedrock aquifers yield up to 600 gpm.

The ambient ground water quality throughout Indiana is variable and dependent upon the aquifer system, geologic setting, and depth of geologic formation. In general, the incidence of mineralized or even saline ground water increases at bedrock depths that exceed 300 feet. The majority of private and public wells in Indiana occur at depths of less than 200 feet. The chemical quality of the potable water is generally adequate to meet the basic needs for household, municipal, industrial, and irrigation uses. However, the waters are often hard, with hardness exceeding 180 parts per million (ppm) as calcium carbonate. Other constituents of importance to natural water quality are iron, manganese, sulfate, and hydrogen sulfide. Iron and manganese concentrations are often a nuisance, causing staining and deposits. Manganese concentrations are lowest along the Wabash River and Whitewater River and in Mississippian Age limestone aquifers. Sulfate levels are dependent on the geologic deposits. Concentrations exceeding 600 ppm sulfate have been noted in Allen, Harrison, Orange, Vermillion and Lake Counties. Hydrogen sulfide, which has an objectionable odor even at low concentrations, is produced from sulfate by oxidation-reduction reactions or biological reduction by anaerobic bacteria. It is generally present in the ground water underlain by limestone bedrock in northwestern regions of Indiana.

Ground Water Data for the 2002 305(b) Reporting Cycle

Ground water information contained in this report is based on guidelines provided by the USEPA. Among the information provided is an overview of the ten highest priority sources of ground water contamination in Indiana and the associated contaminants impacting ground water quality (Table 25), a summary of Indiana's ground water protection efforts (Table 26), and nitrate sampling results for selected hydrogeologic settings (Table 27). Beginning with the 1996 305(b) report, the EPA requested ground water quality be assessed by hydrogeologic setting(s) or aquifer(s) rather than by county. In 1995, the Indiana Geological Survey (IGS) produced a document that describes 230 surface and subsurface geologic environments, or "hydrogeologic settings", occurring in Indiana. The hydrogeologic settings provide a conceptual model to interpret the sensitivity to contamination of ground water in relation to the surface and subsurface environment (Fleming and others 1995). Included in the descriptions of the hydrogeologic settings are the composition and geometry of the aquifers, thickness and variability of the confining units, surface and ground water interactions, and recharge/discharge relationships. Unless noted otherwise, the 2002 305(b) report contains data for 1999 and 2000.

Major Sources of Ground Water Contamination

The major contaminant sources impacting Indiana ground water as of 1998 are listed by general activity types in Table 25. All sources listed are a potential threat to ground water; however, the degree to which the source is a threat to ground water depends on several factors, probably the most significant being hydrogeologic sensitivity. Other major risk factors include location of the contaminant source relative to drinking water sources, toxicity of the contaminant, and the size of the population at risk. All risk factors listed in Table 25 were considered in selection of the ten priority contaminant sources, and those risk factors relevant to the highest priorities are identified. Classes of contaminants commonly associated with each highest priority contaminant source are also given. Note: Due to resource restraints, the information in Table 25 was not updated from the 2000 305(b) report. However, anecdotal evidence indicates the same major contaminant sources are impacting Indiana ground water now as they were in 1997 and 1998.

Table 25 Major Sources of Ground Water Contamination

CONTAMINANT SOURCE	HIGHEST PRIORITY	FACTORS ¹	TYPE OF CONTAMINANT ²
Agricultural Activities			
Agricultural chemical facilities			
Commercial fertilizer applications	✓	A, C, D, E	E
Confined animal feeding operations	✓	A, D, E	E, J
Farmstead agricultural mixing and loading procedures			
Irrigation practices			
Manure applications			
Pesticide applications			
Storage and Treatment Activities			
Land application			
Domestic and industrial residual applications			
Material stockpiles			
Storage tanks (above ground)			
Storage tanks (underground)	✓	A, B, C, D, E, F	B, C, D
Surface impoundments	✓	A, C, D, E, F	A, B, C, D, E, G, H, J
Waste piles			
Disposal Activities			
Deep injection wells			
Landfills (constructed prior to 1989)	✓	A, B, C, D, E, F	A, B, C, D, E, G, H, I, J
Permitted landfills (constructed 1989- present)			
Septic systems	✓	A, C, D, E, F, G	A, B, C, D, E, H, J
Shallow (Class V) injection wells	✓	A, B, C, D, E, I	A, B, C, D, E, H, J
Other			
Hazardous waste generators			
Hazardous waste sites			
Industrial facilities	✓	A, B, C, D, E, F	A, B, C, D, E, H, I, J
Liquid transport pipelines (including sewer)			
Materials spills (including during transport)	✓	A, B, C, D, E, F	A, B, C, D, E, H, I, J
Material transfer operations			
Small-scale manufacturing and repair shops			
Mining and mine drainage			
Salt storage (State and nonstate facilities) and road salting	✓	A, C, D, E, F	G
Urban runoff			

¹ Factors considered in selecting the contaminant source:

- (A) human health and/or environmental risk (toxicity)
- (B) size of the population at risk
- (C) location of source relative to drinking water source
- (D) number and/or size of contaminant sources
- (E) hydrogeologic sensitivity
- (F) documented State findings, other findings
- (G) high to very high priority in localized areas, but not over majority of Indiana
- (H) geographic distribution/ occurrence
- (I) lack of information

² Classes of contaminants associated with contamination source:

- (A) Inorganic pesticides
- (B) Organic pesticides
- (C) Halogenated solvents
- (D) Petroleum compounds
- (E) Nitrate
- (G) Salinity/ brine
- (H) Metals
- (I) Radionuclides
- (J) Bacteria
- (K) Protozoa
- (L) Viruses

Nitrate is a potential contaminant from the following high priority sources listed in Table 25: commercial fertilizer applications, concentrated animal feeding operations (CAFOs), and septic systems. Nitrate, a highly mobile and soluble contaminant, is the most frequently detected ground water contaminant in rural areas; however, determining the source of nitrates detected in ground water can be difficult and costly. For more information on nitrate occurrences in Indiana, see Table 27 and its accompanying narrative.

For the 1999 and 2000 crop production season, 537 million tons and 970 million tons, respectively, of commercial fertilizer containing nitrogen were sold in Indiana for application on some 12 million acres of cropland, most of which was applied to nearly 6 million acres of corn (Indiana Agricultural Statistics Service 1999-2000). Unlike pesticides, the purchase and application of commercial fertilizer is not regulated by the Office of the Indiana State Chemist. When applied at the proper rate and time, commercial fertilizer poses little threat of contamination to ground water. Purdue University Cooperative Extension Service staff, United States Department of Agriculture Natural Resources Conservation Service (USDA-NRCS) staff and private consultants assist crop producers in developing nutrient management plans that focus on meeting crop nutrient needs based on realistic goals.

Concentrated animal feeding operations occur throughout Indiana, as livestock are an integral component of Indiana's agricultural economy. The Indiana Department of Environmental Management (IDEM) conducts a Confined Feeding approval program which requires large livestock and poultry producers to gain approval for construction, operation or expansion of their facilities. The USDA-NRCS also works closely with livestock producers who request financial and technical assistance for building livestock waste storage facilities and to install or implement conservation practices that serve to reduce soil erosion and nutrient loss. The primary concerns associated with CAFOs are the proper storage and land application of the large volumes of ammonia-containing manure produced by these operations (the ammonia form of nitrogen is converted to nitrate through biological processes in the soil). Consequently, the rate of manure application to farmland is a major concern when the application provides more nitrogen than a crop will use thus allowing excess nitrogen to move into underlying aquifers. On November 1, 2000, the Indiana Department of Environmental management proposed a new confined feeding regulation (327 IAC 16) which provides design, construction and operational performance standards for all state regulated CAFOs. This regulation will assist IDEM in better regulating CAFOs and further reducing the potential of negative impact to surface and ground waters.

Properly constructed and maintained septic systems provide satisfactory on-site treatment of domestic wastewater in rural and unsewered suburban areas of Indiana. However, improperly constructed or poorly maintained septic systems, as well as systems operating in areas of high seasonal water tables or other ground water sensitive areas, are also of concern as a source of nitrate contamination to ground water.

Landfills and underground storage tanks are a high priority ground water contamination concern largely due to practices or activities that occurred prior to construction standards and legislation established for the protection of ground water. Landfills constructed after 1988 have been required to adhere to stringent construction standards. Since 1988, underground storage tank registration, upgrading, closure activity and site assessment have been closely reviewed by the IDEM Underground Storage Tank (UST) Section. In accordance with federal and state

mandates, as of December 22, 1998, Underground Storage Tanks installed prior to December 22, 1988, were to be either properly protected against spills, overflows and corrosion, or properly closed.

Class V underground injection wells (UIWs) are widespread throughout the state and occur in high concentration in several areas including areas in which ground water is highly sensitive to contamination. Class V wells release a wide variety of contaminants into or above aquifers supplying drinking water. The large number and diversity of Class V wells combined with lack of information regarding effects of these wells on ground water pose a significant potential threat to ground water. Indiana Class V wells are regulated by the USEPA. The USEPA has targeted some Class V wells which pose greater environmental risk and on April 5, 2000, more intensive regulations and enforcement for large capacity cesspools and motor vehicle waste disposal wells became effective.

Several cases of ground water contamination due to industrial facilities or their ancillary operations have been documented in Indiana. Although many contamination events occurred prior to the development of regulations for the storage and handling of industrial materials, ground water contamination still occurs as a result of either accidents or intentional dumping of waste. In May 1998, Indiana's Secondary Containment of Aboveground Storage Tanks Containing Hazardous Materials Rule (327 IAC 2-10) was adopted. This rule requires that new facilities provide secondary containment unless there is less than 660 gallons at a facility that is not in an approved delineated wellhead protection area or less than 275 gallons at a facility that has been notified in writing by a water utility that it is in an approved delineated wellhead protection area. The secondary containment rule, along with outreach and education programs has alleviated a number of problems; however, these activities continue to be a potential source of contamination to ground water in Indiana.

The storage and extensive use of salt as a deicing agent during the winter months has an impact on ground water. Ground water contamination from road salt has been documented in Indiana. Efforts are being made by the Indiana Department of Transportation (INDOT) to build salt storage facilities in areas where ground water is not sensitive to contamination and to upgrade existing facilities to protect ground water. Currently all INDOT salt storage facilities are covered by domes or canopies and several new facilities were built to contain all surface runoff on-site to reduce ground water contamination. In addition, road salt usage and application rates have been significantly reduced from past years through computerized weather forecasting and roadway temperature sensors.

In 1999 and 2000, approximately 230 spills were reported on the average to IDEM per month. Ground water contamination as a result of spills can be avoided or minimized if spills are properly handled and cleaned up. Unreported spills may contribute to ground water contamination. Spill handling and clean up, when not properly executed, create a concern for ground water contamination. Indiana's Spills; Reporting, Containment and Response Rule (327 IAC 2-6.1) ensures that spills are reported, properly handled and cleaned up.

Ground Water Protection Programs

Programs to monitor, evaluate, and protect ground water resources in Indiana occur at all levels of government. At the state level, several ground water protection programs and activities have been implemented or are in the process of being implemented. Table 26 lists the state's ground water protection programs and activities, developmental stage of the program or activity, and the agency or agencies responsible for the program's implementation and/or enforcement.

The Complaint Response program within the Ground Water Section at IDEM assists private well owners concerned with contamination of their drinking water from nearby sources and receives referrals from other IDEM program areas. Approximately 20% of complaints are followed up with residential well testing. For the time period extending from January 1, 1999 through December 31, 2000; approximately 500 telephone inquiries and complaints concerning ground water contamination were received by the Complaint Response program. Eighty sites were field surveyed during this time period to evaluate the validity of well owners' concerns and to evaluate the potential for ground water contamination. Private well water sampling was conducted at 57 separate residential sites during this time period to investigate the potential for ground water contamination with 37 water samples indicating volatile organic compound (VOCS), synthetic organic compounds (SOCs), metals or nitrates. No well water sample results for any contaminant exceeded the Safe Drinking Water Act maximum contaminant level (MCL). Water samples from five wells indicated VOCs were detected at or below the method detection limits as was the case for 12 well samples in which SOCs were detected at or below the method detection limits. Metals were detected at nine wells with four samples greater than 50% of the MCL, but less than the MCL. Of the 57 sites sampled, a total of sixteen residences can be classified as having non-point source contamination detections while seventeen residences can be classified as having point source contamination detections.

In the event ground water contaminants were detected, the well owner was provided with information regarding public health concerns for the contaminants detected. If applicable, the home owner was also given information describing water treatment methods available on the open market. If point source contaminants are detected above the MCL, a referral is made to the appropriate regulatory authority for further action. Additionally, if the detected contaminant is a pesticide, then the case will follow the response to pesticides plan as identified in the State Management Plan for Pesticides in Ground Water (SMP). Ultimately, detections of pesticides or nutrients in ground water may lead to the implementation of best management practices (BMP's) at the affected location.

Table 26 Summary of State Ground Water Protection Programs (through 12/31/00)

PROGRAM OR ACTIVITY	STATUS	STATE AGENCY/ ORGANIZATION
Active SARA Title III Program	fully established	IDEM-OER
Ambient ground water monitoring program	fully established	OISC*, IDEM-OWQ
Aquifer sensitivity assessment	fully established	IDEM-OWQ, IDNR, IGS, OISC
Aquifer mapping/basin studies	under development	IDNR, IDEM-OWQ
Aquifer/ hydrogeologic setting characterization	fully established	IGS, IDEM-OWQ, IDNR
Bulk storage program for agricultural chemicals	fully established	OISC
Comprehensive data management system	pending	IDEM-OWQ
Complaint response program for private wells	fully established	IDEM-OWQ
Confined animal feeding program	fully established	IDEM-OWQ
EPA-endorsed Core Comprehensive State Ground Water Protection Program (CSGWPP)	under development	IDEM-OWQ, GWTF
Ground water discharge permits for constructed wetlands	under development	IDEM-OWQ
Ground water Best Management Practices	under development	OISC*, IDEM-OWQ
Ground water legislation	fully established	IDEM, IDNR, OISC, ISDH
Ground water classification	pending	IDEM-OWQ
Ground water quality standards	pending	IDEM-OWQ
Interagency coordination for ground water protection initiatives	pending	GWTF
Land application of domestic and industrial residuals	fully established	IDEM-OWQ
Nonpoint source controls	under development	IDEM-OWQ
Oil and Gas	fully established	IDNR
Pesticide State Management Plan	pending	OISC*, IDEM-OWQ
Pollution Prevention Program	fully established	IDEM-OPPTA
Reclamation	fully established	IDNR
Resource Conservation and Recovery Act (RCRA) Primacy	fully established	IDEM-OSHWM
Sensitivity assessment for drinking water/ wellhead protection	fully established	IGS, IDEM-OWQ
Spill Monitoring	fully established	IDEM-OWQ
State Superfund	fully established	IDEM-OSHWM/OER
State RCRA Program incorporating more stringent requirements than RCRA primacy	fully established	IDEM-OSHWM
State septic system regulations	fully established	ISDH
Underground storage tank installation requirements	fully established	IDEM-OER
Underground Storage Tank Remediation Fund	fully established	IDEM-OER
Underground Storage Tank Permit Program	fully established	IDEM-OER
Underground Injection Control Program	fully established for Class II wells	IDNR
Well abandonment regulations	fully established	IDNR
Wellhead Protection Program	fully established	IDEM-OWQ
Well installation regulations	fully established	IDNR

* indicates lead agency involved in enforcement or implementation

Acronyms Used:

GWTF Governor's Ground Water Task Force
 IDEM Indiana Department of Environmental Management
 IDNR Indiana Department of Natural Resources
 IGS Indiana Geological Survey
 ISDH Indiana State Department of Health
 OER Office of Environmental Response (IDEM)
 OISC Office of the Indiana State Chemist

OPPTA Office of Pollution Prevention and Technical Assistance (IDEM)

OSHWM Office of Solid and Hazardous Waste Management (IDEM)

OWQ Office of Water Quality (IDEM)

Definitions: "pending" is used to describe those programs that have a written, draft policy "under development" is used to describe those programs still in the planning stage

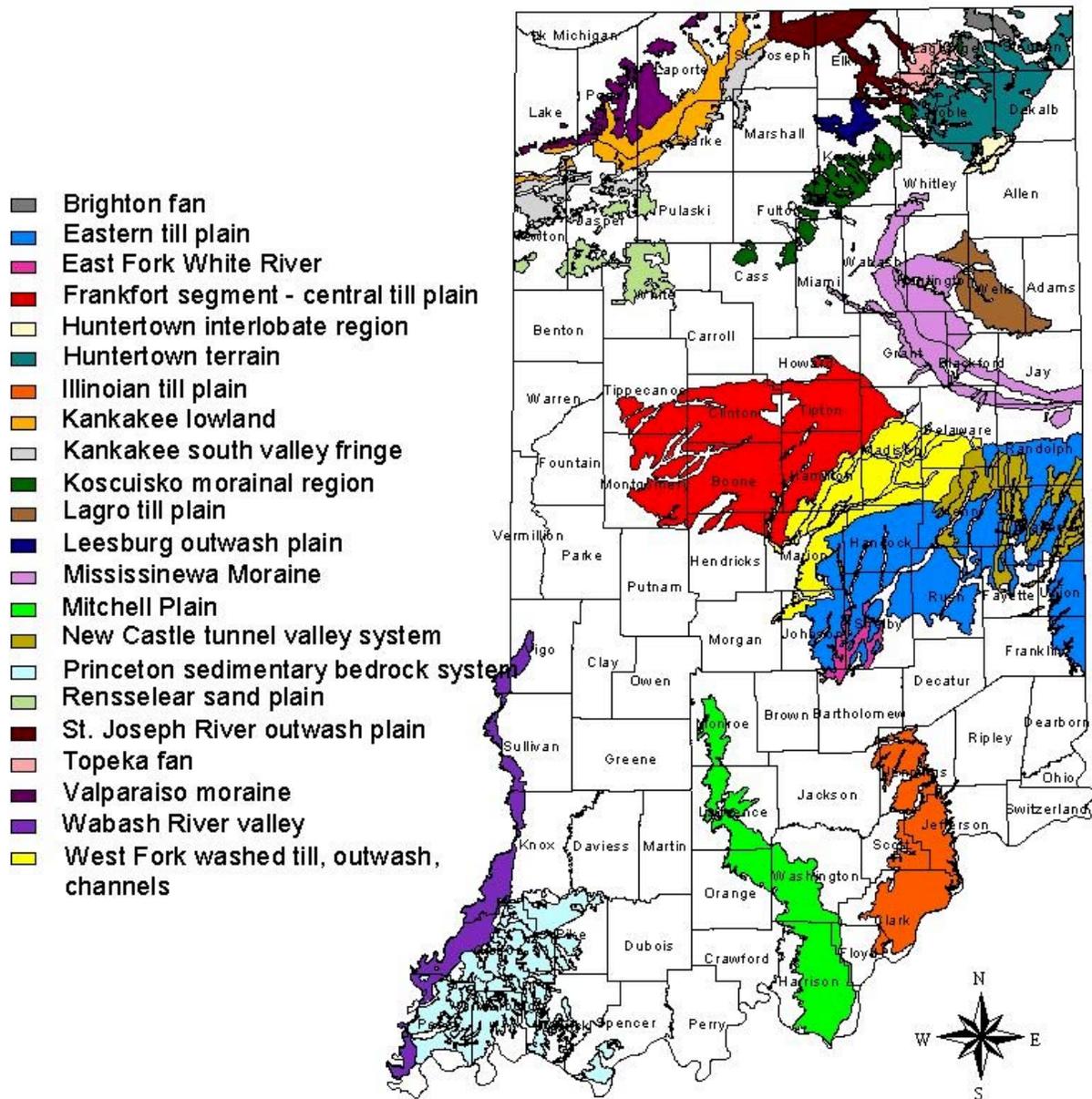
In 1997, a pilot project was conducted for the ground water monitoring network component of the Pesticide State Management Plan. The monitoring network was established to provide a statistical evaluation of trends in pesticide occurrence and concentrations in major hydrogeologic settings of the state. Of the 230 hydrogeologic settings identified by the Indiana Geological Survey, approximately 60 were grouped into 22 “type” hydrogeologic settings that represent the state (Figure 9). For the pilot project, wells in two of the 22 “type” hydrogeologic settings were sampled for pesticides (SOCs), nitrates and metals along with general chemistry parameters. Quarterly sampling of the nearly 400 wells representing all 22 hydrogeologic settings was initiated in 1998 and wells sampled every 3-4 months for seven consecutive periods ending December 2000. Preliminary review indicates there are no clear or statistically significant detections of pesticides or VOC’s in the wells sampled.

Indiana is currently developing Ground Water Quality Standards. Preliminarily adopted rule language provides protection to wells and allows for the classification of ground water into one of three classes: drinking water, naturally limited or impaired drinking water. Ground water is classified as drinking water class unless there is an approved verification that conditions exist making it impractical to use as drinking water. IDEM may classify ground water as “naturally limited” when ground water is shown to have a yield of less than 200 gallons per day or a total dissolved solids concentration of more than 10,000 ppm. Additionally, ground water that is in the crop root zone, in a coal mined area, or in an injection zone of a permitted Class I, II or III injection well or gas storage well may be considered naturally limited. IDEM may classify ground water with historic or other unaddressed contamination as “impaired” if mechanisms are in place to ensure no exposure to ground water that contains unsafe levels of contamination. Historic contamination is contamination that resulted from a facility, practice, or activity that was unregulated or under-regulated to protect ground water at the time the contaminant was released. To qualify for the impaired class the contaminants known to be in the ground water must be identified.

Indiana’s Source Water Assessment Plan developed by Indiana stakeholders was approved by EPA in May 2000. IDEM contractors plan to identify the source water areas for each public water system, the watersheds and wellheads in Indiana that supply public drinking water. In the delineated source water areas, IDEM contractors will inventory the potential sources of contamination from regulated facilities and assess water system susceptibility to contamination. Approximately 4300 public water systems are scheduled to have source water assessments completed by May 2003.

In March 1997 the Indiana Wellhead Protection Rule (327 IAC 8-4.1) became effective, with EPA final approval of the Wellhead Protection Program in April of 1997. The Wellhead Protection Program is a proactive program that protects public water supplies from contamination. The Wellhead Protection Rule outlines the minimum requirements community public water supplies must meet to comply with the Wellhead Protection Program. At the end of 2000, 55 wellhead protection plans had been submitted to IDEM for review and 1 plan was approved for those communities which developed strategies to adequately protect their community water supplies from contamination.

Figure 8 Representative Hydrogeologic Setting Monitoring Networks



In addition to regulatory programs and other structured ground water protection activities listed in Table 26, there are several educational programs conducted in Indiana that place an emphasis on ground water protection. The Purdue University Extension program “Safe Water for the Future” is an umbrella for several programs that provide resources on drinking water protection for individuals and communities. The Farm*A*Syst and Home*A*Syst programs essentially are wellhead protection programs for rural and domestic private wells. A series of publications and brochures on wellhead protection are also available to assist communities working on wellhead protection. “Watershed Connections” brings together local contacts to produce a community-specific publication on water resources and their protection. Indiana Project WET (Water Education for Teachers) and Indiana’s Water Riches are two general water education programs that provide information about ground water protection.

Several other coordinated education/information efforts conducted in Indiana address ground water protection. The statewide Clean Water Indiana education program focuses primarily on agriculture’s contribution to water quality contamination from soil and water related resources. Aspects of this program that deal with ground water protection include nutrient and pest management, plugging abandoned water wells, and land use. The Water Quality (WQ) series of over 30 Purdue Extension publications addresses specific topics for the general public. Purdue Pesticide Programs publication “Pesticides and Water Quality” (PPP-35) describes the protection measures taken by manufacturers, handlers, and end users of pesticides to protect water quality and discusses the end “fate” of applied pesticides in the environment. “Your Link to Water Quality” is a brochure that provides resources available through Purdue Extension to address water quality concerns related to agriculture, homeowners, and communities.

Nitrate Sampling in 22 Representative Hydrogeologic Settings

Ground water monitoring for nitrate was done in 22 monitoring well networks which were selected as representative of Indiana’s hydrogeology (see Figure 9). Of the 22 hydrogeologic settings sampled, five of the 22 areas sampled indicated levels of nitrates greater than two parts per million (ppm). Monitoring well networks 1, 3, 16, 18, and 21 indicate elevated nitrate levels and are included in Table 27 with nitrate sampling results for the 22 well networks sampled.

Table 27 summarizes the nitrate results for the ground water monitoring network. Nitrate detections were grouped for the following levels: less than 2 ppm (several studies state that levels up to 2 and 3 ppm can be from naturally occurring sources), 2 - 4.9 ppm, 5- 9.9 (5 being half the MCL), and $\text{NO}_3 \geq 10$ ppm (10 being the MCL). Nitrate results are from the summer of 1998 with the exception of less than 10% of results coming from another sampling period (in cases where the site was not yet in the monitoring network or results were missing). Other sampling periods in which nitrates were taken had an insufficient number of wells sampled. Overall, sites with detections did consistently have detections from sampling period to sampling period with little variation in nitrate level.

The networks shaded (1, 3, 16, 18 and 21) are those that have the highest percentage of nitrate detections of 5.0 and greater. Several of these networks had a limited number of sampling sites and insufficient data exists to draw conclusions. Networks with an adequate number of sample sites and no nitrate problems are easily identifiable: 7, 8, 9, 13, 14, 15, and 20. Networks 6 and 10 also seem to have no nitrate problems, but have less than 20 sampling sites per network.

Table 27 Summary of Nitrate Sample Results

NETWORK	COUNTIES INCLUDED	Tt # WELLS	NO3 < 2.0	NO3 2.0 – 4.9	NO3 5.0 – 9.9	NO3 =/> 10
1=TOPEKA FAN	Lagrange, Noble	18	13	0	4	1
2=LEESBURG OUTWASH PLAIN	Kosciusko	12	10	0	0	2
3=BRIGHTON FAN	LaGrange, Steuben	15	9	0	2	4
4=VALPARAISO MORAINE	Porter, LaPorte, Lake	10	0	2	0	0
5=KANKAKEE LOWLAND	Lake, Porter, LaPorte, St. Joseph, Starke, Jasper, Newton	8	7	0	0	1
6=MISSISSINAWA MORAINE	Whitley, Wabash, Huntington, Grant, Blackford, Jay, Delaware, Randolph	12	12	0	0	0
7=HUNTERTOWN INTERLOBATE REGION	Allen	20	20	0	0	0
8=KOSCIUSCO MORAINAL REGION	Cass, Miami, Fulton, Kosciusko, Noble, Lagrange	25	25	0	0	0
9=NATURAL LAKES AND MORAINES	Lagrange, Steuben, Noble, DeKalb, Fulton, Whitley, Marshall	28	27	0	1	0
10=LAGRO TILL PLAIN/ SHALLOW BEDROCK	Huntington, Wells, Adam	13	13	0	0	0
11=ILLINOIAN TILL PLAIN	Jennings, Jefferson, Scott, Clark, Floyd	12	9	2	1	0
12=RENSELAER SAND PLAIN	Newton, Jasper, White, Pulaski	12	10	1	1	0
13=EFWW SEGMENT EASTERN TILL PLAIN	Randolph, Wayne, Union, Franklin, Fayette, Henry, Rush, Hancock, Shelby, Marion,	29	28	0	0	1
14=WF SEGMENT FRINGING WASHED TILL PLAIN	Delaware, Henry, Madison, Hamilton, Marion, Johnson	21	21	0	0	0
15=FRANKFORT SEGMENT CENTRAL TILL PLAIN	Madison, Howard, Tipton, Hamilton, Clinton, Tippecanoe, Boone, Montgomery, Hendricks, Marion	46	46	0	0	0
16=E FORK WHITE RIVER	Shelby, Johnson, Bartholomew	7	4	0	1	2
17=ST JOSEPH/ ELKHART RIVER OUTWASH PLAIN	St. Joseph, Elkhart, Lagrange, Noble, Kosciusko	13	10	1	1	1
18=WABASH RIVER VALLEY	Vigo, Sullivan, Knox, Gibson, Posey	10	3	1	5	1
19=NEW CASTLE TUNNEL VALLEY SYSTEM	Delaware, Randolph, Henry, Wayne, Fayette, Union, Rush	10	8	1	1	0
20=KANKAKEE-SOUTHERN VALLEY FRINGE	Newton, Jasper, Starke, Marshall, St. Joseph, Pulaski	30	28	2	0	0
21=MITCHELL PLAIN KARST	Monroe, Lawrence, Orange, Washington, Harrison, Floyd	16	11	2	2	1
22=INTERBEDDED	Pike, Gibson, Posey,	5	5	0	0	0

NETWORK	COUNTIES INCLUDED	Tt # WELLS	N03 < 2.0	NO3 2.0 – 4.9	N03 5.0 – 9.9	N03 =/> 10
SEDIMENTARY ROCKS	Vanderburg, Warrick, Spencer					

Additional factors such as depth of wells, well construction, and land use may have contributed to the results associated with wells in the networks of potential concern.

Ground Water for Drinking Water Monitoring Data

Ground water quality data for public water supplies in the five hydrogeologic settings with elevated nitrate (networks 1, 3, 16, 18 and 21) is summarized in Tables 28, 29, 30, 31, and 32. The public water supply data is a summary of systems having mailing addresses containing cities that were in the counties included in these hydrogeologic settings.

Data obtained from Community and Noncommunity Public Water Supply (PWS) ground water systems was collected from the IDEM Drinking Water Branch PWS Compliance Section. Results are reported for volatile organic compounds (VOCs), synthetic organic compounds (SOCs), inorganic compounds (IOCs), nitrates (NO₃), and radionuclides. Community and Noncommunity nontransient systems are required to test for 30 regulated SOCs, and 21 VOCs. Community systems monitor for 12 regulated IOCs and sodium (a special monitoring requirement). Nontransient noncommunity systems monitor for 11 regulated IOCs (excluding sodium and fluoride). All public water supply systems including transient noncommunity are required to test for nitrates. Only community systems are required to monitor for radionuclides. Radionuclide monitoring consists of analysis for gross alpha particle activity. Samples collected by PWS are from entry points, which occur after treatment and before the distribution system. Entry point data can be from a single well or blended from two or more wells. For PWS data, the reporting period was dependent on sampling frequency requirements for the parameter group. For VOC, SOC, and IOC data, community and nontransient noncommunity systems are required to sample a minimum of once every three years (more frequently if certain levels of contaminants are detected); therefore, data for these parameters is summarized for the sampling period, 1999-2000. Nitrates are an annual sampling requirement for all PWS systems; therefore, nitrate data is summarized for 2000. Only community systems are required to test for radionuclides and radionuclide data are summarized for 2000. Public water supply system data indicates that ground water quality is generally good. Nitrates were the most common contaminant detected in both hydrogeologic settings; however, most detected concentrations were at low levels. Nitrate concentrations of 2 ppm or less are considered to be naturally occurring in ground water.

Table 28 Summary of Ground Water for Drinking Water Monitoring Data.

Hydrogeologic Setting: Topeka fan

Network: 1

Counties included: LaGrange, Noble

Monitoring Data Type	Total No. of Entry Points ¹ or Wells in Assessment	Parameter Groups	Number of Entry Points ¹ or Wells					Special Treatment ²
			No detections above MDL; NO ₃ < 1 ppm	Detection > MDL and < 50% of MCL; NO ₃ >= 1 and < 50% MCL	Detection = or > 50% of MCL and < MCL	Detection = or > MCL	Removed from service ³	
Entry point Ground Water Quality Data from Community PWS	0	VOC	0	0	0	0	0	0
	0	SOC	0	0	0	0	0	0
	0	IOC	168	53	4	4	0	0
	26	NO ₃	24	1	0	0	0	0
	0	Radionuclides	0	0	0	0	0	0
Entry point Ground Water Quality Data from Non-community transient ⁴ and non-transient PWS	0	VOC	0	0	0	0	0	0
	0	SOC	0	0	0	0	0	0
	0	IOC	156	33	0	0	0	0
	229	NO ₃	166	29	8	6	0	0
		Radionuclides ⁵						

¹ PWS system data collected per entry point (narrative)
² Data collected from private wells in IDEM complaint response program
³ Action due to contaminated ground water (source water)
⁴ Transient communities only required to monitor for NO₃
⁵ Radionuclides not required for noncommunity systems

Table 29 Summary of Ground Water for Drinking Water Monitoring Data.

Hydrogeologic Setting: Brighton Fan

Network: 3

Counties included: LaGrange, Steuben

Monitoring Data Type	Total No. of Entry Points ¹ or Wells in Assessment	Parameter Groups	Number of Entry Points ¹ or Wells					Removed from service ³	Special Treatment ³
			No detections above MDL; NO ₃ < 1 ppm	Detection > MDL and < 50% of MCL; NO ₃ >= 1 and < 50% MCL	Detection = or > 50% of MCL and < MCL	Detection = or > MCL			
Entry point Ground Water Quality Data from Community PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	0	0	0	0	0	
	29	NO ₃	24	4	0	0	0	0	
0	Radionuclides	0	0	0	0	0	0		
Entry point Ground Water Quality Data from Non-community transient ⁴ and non-transient PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	(0)	0	0	0	0	
	288	NO ₃	210	30	3	5	0	0	
		Radionuclides ⁵							

¹ PWS system data collected per entry point (narrative)
² Data collected from private wells in IDEM complaint response program
³ Action due to contaminated ground water (source water)
⁴ Transient communities only required to monitor for NO₃
⁵ Radionuclides not required for noncommunity systems

Table 30 Summary of Ground Water for Drinking Water Monitoring Data.

Hydrogeologic Setting: Central East Fork White river

Network: 16

Counties included: Shelby, Johnson, Bartholomew

Monitoring Data Type	Total No. of Entry Points ¹ or Wells in Assessment	Parameter Groups	Number of Entry Points ¹ or Wells					Special Treatment ³
			No detections above MDL; NO ₃ < 1 ppm	Detection > MDL and < 50% of MCL; NO ₃ >= 1 and < 50% MCL	Detection = or > 50% of MCL and < MCL	Detection = or > MCL	Removed from service ³	
Entry point Ground Water Quality Data from Community PWS	0	VOC	0	0	0	0	0	0
	0	SOC	0	0	0	0	0	0
	0	IOC	0	0	0	0	0	0
	24	NO ₃	10	11	3	0	0	0
	0	Radionuclides	0	0	0	0	0	0
Entry point Ground Water Quality Data from Non-community transient ⁴ and non-transient PWS	0	VOC	0	0	0	0	0	0
	0	SOC	0	0	0	0	0	0
	0	IOC	0	(0)	0	0	0	0
	94	NO ₃	58	13	5	3	0	0
		Radionuclides ⁵						

¹ PWS system data collected per entry point (narrative)
² Data collected from private wells in IDEM complaint response program
³ Action due to contaminated ground water (source water)
⁴ Transient communities only required to monitor for NO₃
⁵ Radionuclides not required for noncommunity systems

Table 31 Summary of Ground Water for Drinking Water Monitoring Data.

Hydrogeologic Setting: Wabash River valley

Network: 18

Counties included: Vigo, Sullivan, Knox, Gibson, Posey

Monitoring Data Type	Total No. of Entry Points ¹ or Wells in Assessment	Parameter Groups	Number of Entry Points ¹ or Wells					Removed from service ³	Special Treatment ³
			No detections above MDL; NO ₃ < 1 ppm	Detection > MDL and < 50% of MCL; NO ₃ >= 1 and < 50% MCL	Detection = or > 50% of MCL and < MCL	Detection = or > MCL			
Entry point Ground Water Quality Data from Community PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	0	0	0	0	0	
	43	NO ₃	14	15	10	4	0	0	
	0	Radionuclides	0	0	0	0	0	0	
Entry point Ground Water Quality Data from Non-community transient ⁴ and non-transient PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	(0)	0	0	0	0	
	54	NO ₃	25	14	7	1	0	0	
		Radionuclides ⁵							

¹ PWS system data collected per entry point (narrative)
² Data collected from private wells in IDEM complaint response program
³ Action due to contaminated ground water (source water)
⁴ Transient communities only required to monitor for NO₃
⁵ Radionuclides not required for noncommunity systems

Table 32 Summary of Ground Water for Drinking Water Monitoring Data.

Hydrogeologic Setting: Mitchell Plain Karst

Network: 21

Counties included: Monroe, Lawrence, Orange, Washington, Harrison, Floyd

Monitoring Data Type	Total No. of Entry Points ¹ or Wells in Assessment	Parameter Groups	Number of Entry Points ¹ or Wells					Removed from service ³	Special Treatment ³
			No detections above MDL; NO ₃ < 1 ppm	Detection > MDL and < 50% of MCL; NO ₃ >= 1 and < 50% MCL	Detection = or > 50% of MCL and < MCL	Detection = or > MCL			
Entry point Ground Water Quality Data from Community PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	0	0	0	0	0	
	10	NO ₃	1	8	1	0	0	0	
	0	Radionuclides	0	0	0	0	0	0	
Entry point Ground Water Quality Data from Non-community transient ⁴ and non-transient PWS	0	VOC	0	0	0	0	0	0	
	0	SOC	0	0	0	0	0	0	
	0	IOC	0	(0)	0	0	0	0	
	8	NO ₃	3	2	1	0	0	0	
		Radionuclides ⁵							

¹ PWS system data collected per entry point (narrative)
² Data collected from private wells in IDEM complaint response program
³ Action due to contaminated ground water (source water)
⁴ Transient communities only required to monitor for NO₃
⁵ Radionuclides not required for noncommunity systems

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APPENDIX A Metadata

Indiana 305(b) Electronic Update 2002 September 23, 2002

Database Manager:

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Data Dictionary and Notes:

The period covered by this update includes water quality assessments reported from 1998 through 2002.

All USGS Cataloging units in the state are included in this update.

The data files submitted this year are:

FILE NAME	DESCRIPTION
IN02ADB.mdb	305(b) Assessment Database version 1.1.3
IN02prob_assess.xls (also IN02AppC.doc)	Comprehensive statewide water quality assessments based on probabilistic monitoring results. Intended for Section 106 funding calculations and Section 305(a) aquatic life use support reporting.
Indiana Reach Index files	Submitted to USEPA contractor RTI in January 2002. These are large files and can be resubmitted if requested.

The **unique waterbody_segment identification (WBIDSEGID)** in the 305(b) Assessment Database and the **entity_id** in the Indiana Reach Index 2001 are the same, providing for GIS table joins and links except for six segments of the Ohio River mainstem. Each of the six segments is recorded in the ADB separately. The segment information and assessment in the ADB are consistent with ORSANCO data. Three of these segments do not have an entity_id and appear to be part of the segment ending in "00" in the Indiana Reach Index 2001.

ADB WBIDSEGID	DESCRIPTION	Indiana Reach Index 2001 entity_id
INH3_00	OHIO RIVER – Kentucky R to Battle Cr	INH3_00
INH3_M01	OHIO RIVER – Battle Cr to McAlpine Dam	INH3_00
INH4_00	OHIO RIVER – McAlpine to Greenwood, KY	INH4_00
INH4_M01	OHIO RIVER – Greenwood, KY to Salt Cr	INH4_00
INH8_00	OHIO RIVER – Green River to Evansville	INH8_00
INH8_M01	OHIO RIVER – Evansville to Uniontown	INH8_00

The following **assessment method, cause, and source codes** were added to the database:

METHODCODE	METHODNAME	METHODNATEQ
192	Bacteria data extrapolated from upstream or downstream waterbody	191
193	Sediment chemical data extrapolated from upstream or downstream waterbody	191
223	Non-fixed station physical/chemical conventional + pesticides during key season	222
245	Rotating basin probabilistic physical/ chemical	240
246	Non-fixed station field data + pesticides growing season	242
323	Macroinvertebrate community assessment, mIBI family level	320
332	Fish community assessment, IBI	330
376	Qualitative Habitat Evaluation Index, QHEI; by professional	375
421	Water/ five E. coli samples in 30 days	
422	Water/ E. coli grab samples	
730	Rotating basin probabilistic water chemistry, fish IBI, QHEI, mIBI	700
CAUSECODE	CAUSENAME	CMJRCODE
10	Biotic community status	0
310	PAHs	300
565	Nickel	500
1210	Organic Enrichment	1200
1220	Low DO	1200
1320	TDS	1300
1330	Chlorides	1300
SRCCODE	SRCNAME	SRCNATEQ
1060	Livestock	1000
8010	Nonpoint source/ unknown origin (No longer used)	8950
8960	Nonpoint source/ unknown origin	8950

The following **cause code definitions** were used during the assessment process. “Not used” means that the cause code was not used for this report. It may be defined and used at a later date.

CAUSECODE	CAUSENAME	DEFINITION
0	Cause Unknown	Major category for biotic community response
10	Biotic community status	Biological assessment indicates impairment
100	Unknown toxicity	Not used
200	Pesticides	Chlordane, Endrin, DDT, atrazine
250	Atrazine	Atrazine exceeds EPA aquatic life chronic criterion
300	Priority organics	Parameter is an organic priority pollutant
310	PAHs	Polynuclear aromatic hydrocarbons
400	Nonpriority organics	Organic chemicals
410	PCBs	Polychlorinated biphenyls
420	Dioxins	Exceeds ORSANCO value for Ohio River
500	Metals	Major category included with all metals
510	Arsenic	More than one result exceeds the chronic criterion in a three-year period
520	Cadmium	“
530	Copper	“
540	Chromium	“

CAUSECODE	CAUSENAME	DEFINITION
550	Lead	"
560	Mercury	"
565	Nickel	"
570	Selenium	"
580	Zinc	"
600	Unionized Ammonia	Exceeds 1999 EPA ammonia criteria
700	Chlorine	Not used
720	Cyanide	Free cyanide in Grt. Lakes, total cyanide downstate
750	Sulfates	Sulfate anion concentration exceeds criterion
800	Other inorganics	Not used
900	Nutrients	Inorganic nutrients are driving physico/chemical stream imbalance
910	Phosphorus	Not used
920	Nitrogen	Not used
930	Nitrate	Not used
990	Other	Not used
1000	pH	Parameter is outside criteria range
1100	Siltation	Imbeddedness and smothering of substrate; Loss of depth for lakes
1200	Organic enrichment/Low DO	Major category included with organic enrichment and low dissolved oxygen
1210	Organic enrichment	Biological assessment or measured parameters indicates sewage or manure
1220	Low DO	Stream dissolved oxygen results do not meet criteria
1300	Salinity/TDS/chlorides	Major category included with total dissolved solids
1310	Salinity	Not used
1320	TDS	Total dissolved solids
1330	Chlorides	Chloride anion concentration exceeds criterion
1400	Thermal modifications	Water temperature exceeds standard
1500	Flow alteration	Not used
1600	Other habitat alterations	Response to land use practice such as cattle in stream, dredging, channelization. not used with biological community status
1700	Pathogens	E. coli exceeds water quality criterion
1800	Radiation	Not used
1900	Oil and grease	Use PAHs when data is available
2000	Taste and odor	Algal growth impact on drinking water reservoir that requires additional treatment of raw water
2100	Suspended solids	Not used
2200	Noxious aquatic plants	Not used
2210	Algal Grwth/Chlorophyll a	Overgrowth of algae observed
2400	Total toxics	Not used
2500	Turbidity	Not used
2600	Exotic species	Non-native plants or animals including algae

The following **source code definitions** were used during the assessment process. “Not used” means that the source code was not used for this report. It may be defined and used at a later date.

SOURCE CODE	SOURCE NAME	DEFINITION
100	Industrial Point Sources	NPDES-permitted industrial facility
110	Major Industrial Point Source	Not used
120	Minor Industrial Point Source	Not used
200	Municipal Point Sources	NPDES-permitted municipal facility
210	Major Municipal Point Source	Not used
212	Major Municipal Point Sources - dry weather discharges	Not used
214	Major Municipal Point Sources - wet weather discharges	Not used
220	Minor Municipal Point Source	Not used
222	Minor Municipal Point Sources - dry weather discharges	Not used
224	Minor Municipal Point Sources - wet weather discharges	Not used
230	Package Plants (Small Flows)	NPDES Semi-public facility
400	Combined Sewer Overflow	Within CSO community or observed discharge
500	Collection System Failure	Pump, lift station, overflow; sewer line break
900	Domestic Wastewater Lagoon	Not used
1000	Agriculture	Farming activities
1050	Crop-related Sources	Land use is row crops
1060	Livestock	Land use is grazing, animal feeding
1100	Nonirrigated Crop Production	Not used
1200	Irrigated Crop Production	Not used
1300	Specialty Crop Production	Not used
1350	Grazing related Sources	Not used
1400	Pasture grazing - Riparian and/or Upland	Not used
1410	Pasture grazing - Riparian	Not used
1420	Pasture grazing - Upland	Not used
1500	Range grazing - Riparian and/or Upland	Not used
1510	Range grazing - Riparian	Not used
1520	Range grazing - Upland	Not used
1600	Intensive Animal Feeding Operations	Permitted or unpermitted confined animal feeding
1620	Concentrated Animal Feeding Operations (permitted, point source)	Not used
1640	Confined Animal Feeding Operations (NPS)	Not used
1700	Aquaculture	Not used
1800	Off-farm Animal Holding/Management Area	Not used
2000	Silviculture	Not used
2100	Harvesting, Restoration, Residue Management	Not used
2200	Forest Management (pumped drainage, fertilization, pesticide application)	Not used
2300	Logging Road Construction/Maintenance	Not used
2400	Silvicultural Point Sources	Not used
3000	Construction	Major category for construction and land development
3100	Highway/Road/Bridge Construction	Road construction, including bridges

SOURCE CODE	SOURCE NAME	DEFINITION
3200	Land Development	Residential or industrial building
4000	Urban Runoff/Storm Sewers	Major category for urban discharge not a WTP
4100	Non-industrial Permitted	Not used
4200	Industrial Permitted	Not used
4300	Other Urban Runoff	Overland and unknown residential and urban source
4400	Illicit connections/illegal hook-ups/dry weather flows	Straight pipes, unpermitted discharges
4500	Highway/Road/Bridge Runoff	Not used
4600	Erosion and Sedimentation	Information/observations indicating soil eroding into water body
5000	Resource Extraction	Major category for mining
5100	Surface Mining	Not used
5200	Subsurface Mining	Not used
5300	Placer Mining	Not used
5400	Dredge Mining	Not used
5500	Petroleum Activities	Not used
5600	Mill Tailings	Not used
5700	Mine Tailings	Not used
5800	Acid Mine Drainage	Low pH, high total dissolved solids and/or sulfates
5900	Abandoned mining	Inactive mine is source
5950	Inactive mining	Not used
6000	Land Disposal	Major category for land application activities
6100	Sludge	Not used
6200	Wastewater	Not used
6300	Landfills	Landfill is the source
6350	Inappropriate Waste Disposal/Wildcat Dumping	Unpermitted landfill or disposal site
6400	Industrial Land Treatment	Not used
6500	Onsite Wastewater Systems (Septic Tanks)	Leaking septic tanks
6600	Hazardous Waste	Not used
6700	Septage Disposal	Not used
7000	Hydromodification	Major category for anthropogenic alteration of channel or banks
7100	Channelization	Straightening channel; destroying instream habitat
7200	Dredging	Removing instream sediment/habitat
7300	Dam Construction	Altered habitat
7350	Upstream Impoundment	Not used
7400	Flow Regulation/Modification	Stream discharge volume is altered and upstream channel flooding occurs
7550	Habitat Modification (other than Hydromodification)	In-stream habitat destroyed, removed
7600	Removal of Riparian Vegetation	Bushes, trees removed; row crops to bank edge; bare soil
7700	Bank or Shoreline Modification/Destabilization	Bank is eroding, undercutting
7800	Drainage/Filling Of Wetlands	Not used
7900	Marinas	Not used
7910	In-water releases	Not used
7920	On-land releases	Not used
8010	Nonpoint source/ unknown origin	Not used

SOURCE CODE	SOURCE NAME	DEFINITION
8050	Erosion from derelict Land	Not used
8100	Atmospheric Deposition	Not used
8200	Waste Storage/Storage Tank Leaks	Not used
8250	Leaking Underground Storage Tanks	Not used
8300	Highway Maintenance and Runoff	Not used
8400	Spills	Not used
8500	Contaminated Sediments	Legacy contaminants in sediments; no associated point source
8520	Debris and bottom deposits	Stream bottom is altered from anthropogenic activities
8530	Internal nutrient cycling (primarily lakes)	Not used
8540	Sediment resuspension	Not used
8600	Natural Sources	Naturally occurring
8650	Waterfowl	Not used
8700	Recreation and Tourism Activities (other than Boating - see 7900)	Not used
8710	Golf courses	Not used
8900	Salt Storage Sites	Not used
8910	Groundwater Loadings	Not used
8920	Groundwater Withdrawal	Not used
8950	Other	Major category for nonpoint source
8960	Nonpoint source/unknown origin	No permitted facilities upstream; NPS is most likely
9000	Source Unknown	Associated mostly with fish consumption advisories and lakes
9050	Sources outside State Jurisdiction or Borders	Not used

Waterbody segments were classified as monitored if surface water data reviewed and used for assessment were no more than five years old. Fish tissue and surficial sediment results used for fish consumption advisories may be older than five years. Segments with monitoring site(s) upstream and/or downstream, which were applicable to the segment, were classified as monitored. **Waterbody segments were classified as evaluated** if the primary data used for assessment was more than five years old or the assessment was based on other monitored segments in the watershed.

Sample start and end dates represent the earliest sample and latest sample reviewed in the process. For instance, a waterbody that was monitored in 1998 may have sample date range of 1987 to 1998 because fish tissue sample results from 1987 were reviewed for the assessment and considered still applicable.

Cause/stressor magnitude codes were assigned to each parameter within a waterbody based on the following process.

High (H)-- Waters with acute criteria violations of state water quality standards for toxic substances or ammonia; a group 5 (do not eat any fish) fish consumption advisory for PCBs or mercury; scores of very poor or less based on biological assessments; and waters with *E. coli* values above 10^4 .

Medium (M)-- Waters with chronic criteria violations of state water quality standards for toxic substances, ammonia or dissolved oxygen; waters scoring poor on biological assessments; waters which had group 3 or 4 fish consumption advisories for mercury or group 2,3, or 4 for PCBs; and waters where *E. coli* values from 10^3 to 10^4 predominate.

Slight(S)-- Waters with violations of state water quality standards for pH, chlorides, etc.; waters with group 2 or 3 fish consumption advisories for mercury; and waters where *E. coli* values less than 10^3 predominate.

State assigned (T)-- The "T" designation is used as a marker to identify waterbody segments for which more information is needed in order to evaluate this parameter. All other information for the segment indicates full support of the use and the waterbody is classified as fully supporting. The marker is used for:

- Low level metals samples, which were neither collected nor analyzed using clean techniques. The results were unreliable by themselves; other related data such as source, discharge volume, loading were not readily available at the time of assessment.
- Low level cyanide results, which were unreliable; analytical test method evaluation is in progress.

The waterbody will be reevaluated when additional assessment information is available.

Source magnitude codes generally correspond to the cause magnitude code for each waterbody.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

**INDIANA
INTEGRATED WATER QUALITY MONITORING AND ASSESSMENT REPORT
2002**

APPENDIX B SITE SPECIFIC WATERBODY ASSESSMENTS

September 24, 2002

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INJ01N6_T1304	04050001210060	YELLOW CREEK	4.87	Miles		N			N	M															M							H					20011211		
INA0447_00	04100004040070	YELLOW CREEK-MARTZ CREEK	32.79	Miles	2002	N				M																											20011211		

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
GREAT MIAMI																																								
ING037J_00	05080003070180	WOLF CREEK AND OTHER TRIBS	7.53	Miles		F																																		
ING0349_00	05080003040090	BEAR CREEK AND OTHER TRIBS	9.47	Miles		F																																		
ING0387_00	05080003080070	BIG CEDAR CREEK - HEADWATERS	15.80	Miles		F																																		
ING0388_00	05080003080080	BIG CEDAR CREEK - LOWER	19.39	Miles		F																																		
ING0381_00	05080003080010	BLUE CREEK - HEADWATERS (FRANKLIN)	6.10	Miles		F																																		
ING0383_00	05080003080030	BLUE CREEK - NEUKAM BRANCH	4.13	Miles		F																																		
ING037J_P1019	05080003070180	BROOKVILLE RESERVOIR	27.49	Miles	1998	F		P											S																			19980401		
ING03P1019_00	05080003070180	BROOKVILLE RESERVOIR	5260.00	Acre	1998			P											S																			20020123		
ING0355_00	05080003050050	BULL FORK SALT CREEK	14.75	Miles		F																																		
ING0365_00	05080003060050	CLEAR FORK	6.50	Miles		F																																		
ING0343_00	05080003040030	CONNERSVILLE TRIBUTARYS	2.00	Miles		F																																		
ING038D_00	05080003080130	DRY FORK - HEADWATERS	8.76	Miles		F																																		
ING038G_00	05080003080160	DRY FORK - LEE CREEK	0.87	Miles		F																																		
ING038E_00	05080003080140	DRY FORK - SOURS RUN/ SATERS RUN	13.37	Miles		F																																		
ING0361_00	05080003060010	DUCK CREEK - HEADWATERS	16.79	Miles		F																																		
ING0382_00	05080003080020	EAST FORK BLUE CREEK	6.18	Miles		F																																		
ING0372_T1018	05080003070020	EAST FORK WHITEWATER RIVER	4.43	Miles	1998			P					M																										19980401	
ING037A_00	05080003070100	EAST FORK WHITEWATER RIVER - CLAY CREEK	23.61	Miles		F																																		
ING037C_00	05080003070120	EAST FORK WHITEWATER RIVER - RICHLAND CREEK	23.46	Miles		F																																		
ING037B_00	05080003070110	EAST FORK WHITEWATER RIVER - SIMPSON CREEK	7.63	Miles		F																																		
ING037G_00	05080003070160	EAST FORK WHITEWATER RIVER - SPRING CREEK	5.43	Miles		F																																		
ING0378_00	05080003070080	ELKHORN CREEK	36.87	Miles		F																																		
ING037E_00	05080003070140	ELLYS CREEK AND OTHER TRIBS	7.42	Miles		F																																		
ING034A_00	05080003040100	GARRISON CREEK	22.25	Miles		F																																		
ING0298_M1001	05080002090080	GREAT MIAMI RIVER	1.55	Miles	1998			P					H																										19980401	
ING0325_00	05080003020050	GREENS FORK CREEK - BLACK WATER BRANCH	11.18	Miles		F																																		
ING0321_00	05080003020010	GREENS FORK CREEK - COPY RUN	21.54	Miles		F																																		
ING0326_00	05080003020060	GREENS FORK CREEK - FRANKLIN CREEK	9.14	Miles		F			F																															
ING0323_00	05080003020030	GREENS FORK CREEK -- MORGAN CREEK	31.13	Miles		F																																		
ING0324_00	05080003020040	GREENS FORK CREEK - WILLIAMSBURG CREEK	9.65	Miles		F																																		
ING037F_00	05080003070150	HANNA CREEK - DUBOIS CREEK	44.97	Miles		F																																		
ING0363_P1025	05080003060030	Headwater impoundment - Unnamed tributary	1.11	Miles		F																																		
ING0363_P1026	05080003060030	Headwater impoundment - Pipe Creek	0.30	Miles		F																																		
ING038F_00	05080003080150	HOWARD CREEK	0.50	Miles		F																																		
ING038B_00	05080003080110	JOHNSON FORK AND OTHER TRIBS	21.14	Miles		F																																		
ING0353_P1024	05080003050030	Lake Santee	2.18	Miles		F																																		
ING0377_00	05080003070070	LICK CREEK - CLEAR CREEK	18.00	Miles		F																																		
ING0342_00	05080003040020	LICK CREEK (FAYETTE)	9.99	Miles		F			F																															
ING0311_00	05080003010010	Little Creek	4.83	Miles		F																																		
ING0357_00	05080003050070	LITTLE SALT CREEK - SOUTH FORK	21.21	Miles		F																																		

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
ING038A_00	05080003080100	LOGAN CREEK AND OTHER TRIBS	23.01	Miles		F																																		
ING031C_00	05080003010120	MARTINDALE CREEK - BEARD RUN	14.39	Miles		F			F																															
ING031D_00	05080003010130	MARTINDALE CREEK - DRY BRANCH	9.28	Miles		F																																		
ING031A_00	05080003010100	MARTINDALE CREEK - ECONOMY	8.21	Miles		F																																		
ING0319_00	05080003010090	MARTINDALE CREEK - JORDAN CREEK	12.16	Miles		F																																		
ING0373_00	05080003070030	MIDDLE FORK EAST FORK WHITEWATER - HEADWATERS	22.05	Miles		F																																		
ING0374_00	05080003070040	MIDDLE FORK EAST FORK WHITEWATER R - MUD CR	17.23	Miles		F																																		
ING0374_P1012	05080003070040	Middle Fork Reservoir	2.21	Miles	1998	F		P											S																			19980401		
ING03P1012_00	05080003070040	MIDDLE FORK RESERVOIR	161.00	Acre	1998	F	P	P											S																	S		20011231		
ING031B_00	05080003010080	MORGAN CREEK - WEST BROOK	13.11	Miles		F																																		
ING0322_00	05080003020020	MUD CREEK - LITTLE MUD CREEK	22.03	Miles		F																																		
ING0341_00	05080003040010	MUD RUN AND OTHER TRIBS	4.42	Miles		F			F																															
ING0313_00	05080003010030	NETTLE CREEK	16.71	Miles		F																																		
ING0372_00	05080003070020	NEW PARIS TRIBUTARIES	8.92	Miles		F																																		
ING0335_00	05080003030050	NOLANDS FORK - BUTLERS CREEK	10.89	Miles		F			F																															
ING0334_00	05080003030040	NOLANDS FORK - COMMON RUN	26.29	Miles		F			F																															
ING0332_00	05080003030020	NOLANDS FORK - FOUNTAIN CREEK	23.31	Miles		F			F																															
ING0331_00	05080003030010	NOLANDS FORK - HEADWATERS	24.45	Miles		F			F																															
ING0333_00	05080003030030	NOLANDS FORK - LONG CREEK/ FORK CREEK	35.41	Miles		F			F																															
ING0363_00	05080003060030	PIPE CREEK - HEADWATERS	6.76	Miles		F																																		
ING0364_00	05080003060040	PIPE CREEK - RUSSELL BRANCH	9.34	Miles		F																																		
ING0366_00	05080003060060	PIPE CREEK - WALNUT FORK	10.13	Miles		F																																		
ING0352_00	05080003050020	SALT CREEK - ENOCHSBURG	8.37	Miles		F																																		
ING0356_00	05080003050060	SALT CREEK - FREMONT BRANCH	8.69	Miles		F																																		
ING0351_00	05080003050010	SALT CREEK - HEADWATERS	11.85	Miles		F																																		
ING0353_00	05080003050030	SALT CREEK - RIGHTHAND FORK	9.38	Miles		F																																		
ING0358_00	05080003050080	SALT CREEK - TRIPLE LAKES	3.26	Miles		F																																		
ING0354_00	05080003050040	SALT CREEK-HARVEY BRANCH	6.49	Miles		F																																		
ING038H_00	05080003080170	SAND RUN	2.48	Miles		F																																		
ING034C_00	05080003040120	SANES CREEK	14.96	Miles		F																																		
ING0327_00	05080003020070	SHAKER RUN AND OTHER TRIBS	7.50	Miles		F																																		
ING0376_00	05080003070060	SHORT CREEK AND OTHER TRIBS	15.88	Miles		F																																		
ING037D_00	05080003070130	SILVER CREEK - WHITEWATER LAKE	25.69	Miles		F		P												S																			19980401	
ING0317_00	05080003010070	SIMON CREEK - HEADWATERS	10.87	Miles		F																																		
ING0318_00	05080003010080	SIMON CREEK - ROY RUN	11.36	Miles		F																																		
ING0379_00	05080003070090	SMITH CREEK AND OTHER TRIBS	32.20	Miles		F																																		
ING038C_P1029	05080003080120	Souders Lake	0.26	Miles		F																																		
ING0315_00	05080003010050	SYMONDS CREEK - GLUE RUN BRANCH	26.82	Miles		F																																		
ING037H_00	05080003070170	TEMPLETON CREEK - FRANKLIN CREEK	23.40	Miles		F																																		
ING0344_00	05080003040040	Village Creek - Fishers Creek	11.39	Miles		F																																		
ING0375_00	05080003070050	WEST FORK EAST FORK WHITEWATER RIVER	26.59	Miles		F																																		
ING037D_P1028	05080003070130	Whitewater Lake	1.47	Miles		F																																		
ING038A_T1041	05080003080100	WHITEWATER RIVER	0.50	Miles	1998	F		P					M						S																				19990401	
ING038B_T1021	05080003080110	WHITEWATER RIVER	1.71	Miles	1998	F		P					M						S																				19990401	
ING0312_00	05080003010020	WHITEWATER RIVER - AWL BRANCH	2.21	Miles		F																																		
ING0316_00	05080003010060	WHITEWATER RIVER - CRIETZ CREEK	3.08	Miles		F																																		

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Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
ING0386_00	05080003080060	WHITEWATER RIVER - GOBLES CREEK	15.95	Miles		F																																		
ING038C_00	05080003080120	WHITEWATER RIVER - JAMISON CREEK	16.03	Miles		F																																		
ING034B_00	05080003040110	WHITEWATER RIVER - LAUREL CREEK	7.96	Miles		F																																		
ING0385_00	05080003080050	WHITEWATER RIVER - LITTLE CEDAR CREEK	18.74	Miles		F																																		
ING0389_T1020	05080003080090	Whitewater River - mainstem	4.94	Miles	1998	F		P					M						S																				19990401	
ING038C_T1022	05080003080120	Whitewater River - mainstem	2.99	Miles	1998	F		P					M						S																				19990401	
ING0362_00	05080003060020	WHITEWATER RIVER - METAMORA	8.45	Miles		F																																		
ING031E_T1005	05080003010140	WHITEWATER RIVER - MILTON	5.86	Miles	2002	F		P											S																				19990401	
ING0389_00	05080003080090	TRENTON	21.46	Miles		F																																		
ING0314_00	05080003010040	WHITEWATER RIVER - PRONGHORN RUN	7.75	Miles		F																																		
ING034D_00	05080003040130	WHITEWATER RIVER - SILLIMANS CREEK	12.36	Miles		F																																		
ING0368_00	05080003060080	WHITEWATER RIVER - SNAIL CREEK	15.05	Miles		F																																		
ING0327_T1006	05080003020070	WHITEWATER RIVER - West Fork	6.02	Miles	1998	F		P					M						S																				19990401	
ING0384_00	05080003080040	WHITEWATER RIVER - WOLF CREEK/ BLUE CREEK	5.42	Miles		F																																		
ING0367_00	05080003060070	WHITEWATER RIVER - YELLOW BANK CREEK	9.38	Miles		F																																		
ING0376_T1013	05080003070060	Whitewater River, East Fork	3.95	Miles	1996	F		P	N				M																											19980401
ING0376_T1027	05080003070060	Whitewater River, East Fork	1.73	Miles	1996	F		P					M																											19980401
ING0379_T1014	05080003070090	Whitewater River, East Fork	4.57	Miles	1998	F		P					M																										19980401	
ING037A_T1015	05080003070100	Whitewater River, East Fork	4.57	Miles	2002	F		P											S																				19980401	
ING037B_T1016	05080003070110	Whitewater River, East Fork	2.79	Miles	2002	F		P											S																				19980401	
ING037C_T1017	05080003070120	Whitewater River, East Fork	0.46	Miles	2002	F		P											S																				19980401	
ING0312_T1002	05080003010020	Whitewater River, West Fork	6.54	Miles	2002	F		P											S																				19990401	
ING0314_T1003	05080003010040	Whitewater River, West Fork	5.51	Miles	2002	F		P	F										S																				19990401	
ING0316_T1004	05080003010060	Whitewater River, West Fork	2.50	Miles	2002	F		P											S																				19990401	
ING0341_T1007	05080003040010	Whitewater River, West Fork	1.93	Miles	1998	F		P	F				M						S																				19990401	
ING0343_T1008	05080003040030	Whitewater River, West Fork	5.66	Miles	1998	F		P					M						S																				19990401	
ING0344_T1009	05080003040040	Whitewater River, West Fork	1.04	Miles	1998	F		P					M						S																				19990401	
ING0348_T1010	05080003040080	Whitewater River, West Fork	1.75	Miles	1998	F		P					M						S																				19990401	
ING0349_T1011	05080003040090	Whitewater River, West Fork	5.22	Miles	1998	F		P					M						S																				19990401	
ING0311_T1001	05080003010010	Whitewater River, WF	8.08	Miles	2002	F		P											S																				19990401	
ING0375_T1023	05080003070050	Whitewater River, WF of East Fork	0.64	Miles	2002	F		P	N				M																										19980401	
ING0345_00	05080003040050	WILLIAMS CREEK - BRUSHY FORK	12.25	Miles		F																																		
ING0346_00	05080003040060	WILLIAMS CREEK - BUNKER HILL	8.36	Miles		F																																		
ING0347_00	05080003040070	WILLIAMS CREEK - LITTLE WILLIAMS CREEK	8.50	Miles		F																																		

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INB074D_T1022	05120107040130	South Fork Wildcat Creek - mainstem	6.45	Miles	1998	F			N																													19991108	
INB074D_T1029	05120107040130	South Fork Wildcat Creek - mainstem	3.35	Miles	1998	F			F																														
INB074E_T1023	05120107040140	South Fork Wildcat Creek - mainstem	3.76	Miles	1998	F			F																														
INB0433_00	05120104030030	Spring Creek - Black lake outlet	20.03	Miles		F																																	
INB074A_00	05120107040100	Spring Creek - Lick Run	12.48	Miles		F			F																														
INB0456_00	05120104050060	SQUIRREL CREEK - BERGER DITCH	15.03	Miles	2002	P				M																												19991108	
INB0457_00	05120104050070	SQUIRREL CREEK (LOWER)	6.22	Miles	2002				N																													19991108	
INB0746_00	05120107040060	SWAMP CREEK	14.12	Miles		F			F																														
INB0445_00	05120104040050	Swank Creek	11.17	Miles	2002	F			N																													19991108	
INB0476_T1028	05120104070060	Tick Creek basin	2.35	Miles		F																																	
INB0618_P1002	05120106010070	Tippecanoe Lake	3.81	Miles	1998			P											S																			19980301	
INB06P1002_00	05120106010080	TIPPECANOE LAKE	768.00	Acre	1998	P		P		M									S																			20020110	
INB0618_T1003	05120106010070	TIPPECANOE RIVER	0.32	Miles	1998			P					M						S																			19980301	
INB0621_T1004	05120106020010	TIPPECANOE RIVER	6.16	Miles	1998			P					M																										19980301
INB0621_T1037	05120106020010	TIPPECANOE RIVER	0.64	Miles	1998			P	F				M																									19991108	
INB0624_T1006	05120106020040	TIPPECANOE RIVER	3.53	Miles	1998			P					M																									20020118	
INB0631_T1009	05120106030010	TIPPECANOE RIVER	5.58	Miles	1998			P					M																									19980301	
INB0632_T1010	05120106030020	TIPPECANOE RIVER	1.94	Miles	1998			P					M																									19980301	
INB0635_T1011	05120106030050	TIPPECANOE RIVER	2.76	Miles	1998			P					M																									19980301	
INB0635_T1040	05120106030050	TIPPECANOE RIVER	1.74	Miles	1998	F		P	N				M																									19991108	
INB0638_T1012	05120106030080	TIPPECANOE RIVER	1.03	Miles	1998			P					M																									19980301	
INB0641_T1013	05120106040010	TIPPECANOE RIVER	3.95	Miles	1998	F		P											S																			20020122	
INB0648_T1014	05120106040080	TIPPECANOE RIVER	2.25	Miles	1998	F		P					M						S																			19991108	
INB0648_T1042	05120106040080	TIPPECANOE RIVER	1.08	Miles	1998			P					M							S																		19980301	
INB0649_T1015	05120106040090	TIPPECANOE RIVER	3.91	Miles	1998			P					M						S																			19980301	
INB0653_T1017	05120106050030	TIPPECANOE RIVER	3.85	Miles	1998	F		P					M						S																			20020828	
INB0654_T1018	05120106050040	TIPPECANOE RIVER	10.27	Miles	1998	F		P					M						S																			19991130	
INB0662_T1020	05120106060020	TIPPECANOE RIVER	6.04	Miles	1998			P					M						S																			20020808	
INB0663_T1021	05120106060030	TIPPECANOE RIVER	9.24	Miles	1998			P					M						S																			20020808	
INB0666_T1022	05120106060060	TIPPECANOE RIVER	4.48	Miles	1998			P					M						M																			19980401	
INB0682_M1026	05120106080020	TIPPECANOE RIVER	3.93	Miles	1998			P					M						M																			19980401	
INB06F5_00	05120106150050	TIPPECANOE RIVER	0.74	Miles		F			F																														
INB0682_00	05120106080020	TIPPECANOE RIVER - AGNEW DITCH - MOSS DITCH	18.08	Miles	2002	F			N																													19991108	
INB0666_00	05120106060060	TIPPECANOE RIVER - BARTEE/ TAYLOR DITCHES	25.31	Miles	2002				N																														19991108
INB0669_00	05120106060090	TIPPECANOE RIVER - BRUCE LAKE OUTLET	23.34	Miles		F																																	
INB0614_00	05120106010040	Tippecanoe River - Gaff Ditch	10.87	Miles		F																																	
INB0653_00	05120106050030	TIPPECANOE RIVER - MCMAHAN DT	9.54	Miles	2002				N																														19991108
INB0613_00	05120106010030	TIPPECANOE RIVER - SMALLEY LAKE/ WILMOT POND	12.81	Miles		F			F																														
INB066B_00	05120106060110	TIPPECANOE RIVER - TYER WEISJAHN DITCH	20.56	Miles		F																																	
INB0662_00	05120106060020	TIPPECANOE RIVER - WILSON/ COLLINS DITCHES	23.49	Miles	2002				N																														19991108
INB0644_T1041	05120106040040	Tippecanoe River and tributary	13.21	Miles	2002			P	N										S																				19991108
INB072A_00	05120107020100	Tributaries of Wildcat Creek	16.67	Miles		F			F																														
INB0716_T1030	05120107010060	Turkey Creek	3.17	Miles	2002	F			N																													19991108	
INB0716_00	05120107010060	TURKEY CREEK - ASKREN/ ROUND PRAIRIE DITCHES	14.36	Miles		F			F																														
INB0715_00	05120107010050	TURKEY CREEK (TIPTON)	14.06	Miles		F			F																														
INB01G1_00	05120101160010	Unnamed tributaries	14.60	Miles	2002	F			N									T																				19991108	

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INB0721_T1008	05120107020010	Wildcat Creek - mainstem	8.14	Miles	1996	N		N	N						H																								19991108	
INB0725_T1011	05120107020050	Wildcat Creek - mainstem	3.06	Miles	1996	F		N	F						H																									19991108
INB0726_T1012	05120107020060	Wildcat Creek - mainstem	5.72	Miles	1996	F		N	F						H																									19991108
INB0727_T1040	05120107020070	Wildcat Creek - mainstem	1.57	Miles	1996	F		N	F						H																									19991108
INB0728_T1014	05120107020080	Wildcat Creek - mainstem	11.00	Miles	1996	F		N	F						H																									19991108
INB0729_T1015	05120107020090	Wildcat Creek - mainstem	8.92	Miles	1996	F		N	N						H																									19991108
INB072A_T1016	05120107020100	Wildcat Creek - mainstem	15.38	Miles	1996	F		P	F						M																									19991108
INB0751_T1028	05120107050010	Wildcat Creek - mainstem	4.82	Miles	1996	F		P	F						M																									19991108
INB0751_T1024	05120107050010	Wildcat Creek - mainstem - OSRW	2.88	Miles	1996	F		P	N						M																									19991108
INB071A_T1025	05120107010100	Wildcat Creek - upstream of water intake	0.23	Miles	1996	P		N	N						H																									19991130
INB0732_00	05120107030020	Wildcat Creek Middle Fork - Robertson Br - unnamed tributary	11.77	Miles		F			F																															
INB0732_T1042	05120107030020	Wildcat Creek, Middle Fork - mainstem	2.46	Miles	2002	F			P																															19991130
INB0731_T1041	05120107030010	Wildcat Creek, Middle Fork and other tributaries	10.52	Miles		F			F																															
INB0723_00	05120107020030	William Vogus Ditch basin	9.75	Miles		F			F																															
INB0626_P1007	05120106020060	Winona Lake	1.80	Miles	1998				P						M																									19980301
INB06P1007_00	05120106020060	WINONA LAKE	562.00	Acre	1998				P						M																								20011228	
INB01B4_T1028	05120101110040	Witzgall Ditch - above Johnson Dt	3.54	Miles		F																																		
INB0625_00	05120106020050	WYLAND DITCH - SELLERS/ SHERBURN LAKES	15.17	Miles		F																																		

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INB1153_00	05120111050030	Sugar Creek	2.40	Miles	1998	N				M																												20010223	
INB1154_T1026	05120111050040	Sugar Creek	2.82	Miles	1998	N				M																												20010223	
INB1155_T1027	05120111050050	Sugar Creek - East Little Sugar Cr to mouth	2.12	Miles	1998	N				M																											20010223		
INB1041_T1003	05120110040010	Sugar Creek - Garfield	6.83	Miles	1998	F		P						M																							20010220		
INB1019_00	05120110010090	SUGAR CREEK-BROWN'S WONDER CREEK (LOWER)	17.57	Miles	2002	P				M																											20010219		
INB1017_00	05120110010070	SUGAR CREEK-DAVIS/BARNES DITCH	11.16	Miles	2002				N																								S				20010219		
INB1013_00	05120110010030	SUGAR CREEK-GANGWER/MCCLAMROCK DITCHES	11.66	Miles		F																																	
INB1069_T1013	05120110060090	SUGAR CREEK-MAIN STEM	10.75	Miles	1998	F		P	F					M																							20010221		
INB1067_00	05120110060070	SUGAR CREEK-ROARING CREEK	14.91	Miles		F																																	
INB1066_00	05120110060060	SUGAR MILL CREEK-GREEN CREEK	16.73	Miles		F																																	
INB1061_00	05120110060010	SUGAR MILL CREEK-HEADWATERS	16.59	Miles		F												T																			20010221		
INB1062_00	05120110060020	SUGAR MILL CREEK-NORTH TRIBUTARY (WOOLY CORNER)	9.21	Miles		F																																	
INB1065_00	05120110060050	CREEK	13.49	Miles		F			F																														
INB11G4_T1024	05120111160040	SULPHUR CREEK	8.16	Miles	1998	N				M					H	H				M	H																20010224		
INB1136_T1033	05120111030060	Sulphur Creek unnamed tributary 2 basin	3.04	Miles	2002	N																		H													20010227		
INB1322_00	05120113020020	SWAN POND DITCH	11.72	Miles		F																																	
INB0863_T1047	05120108060030	Tributary basin - Mudlavia Springs	4.70	Miles		F																																	
INB08A3_00	05120108100030	TURKEY RUN-MELLOT	19.45	Miles		F																																	
INB11F2_P1028	05120111150020	Turtle Creek Reservoir	4.65	Miles		N																															20010223		
INB11P1028_00	05120111150020	TURTLE CREEK RESERVOIR	1556.00	Acre	2002	N																																20011231	
INB11F3_00	05120111150030	TURTLE CREEK-LITTLE TURTLE CREEK	9.77	Miles		F																																	
INB09A7_00	05120109100070	VERMILLION RIVER-WHIPPOORWILL BRANCH	23.04	Miles	2002	P			N									S																			20010227		
INB0813_M1001	05120108010030	WABASH RIVER	1.02	Miles	1998	N		P		H				M						S																	20001130		
INB0814_M1002	05120108010040	WABASH RIVER	7.89	Miles	1998	F		P						M						M																		20001121	
INB0839_M1006	05120108030090	WABASH RIVER	6.44	Miles	1998	F		P																														20001201	
INB0881_M1015	05120108080010	WABASH RIVER	3.25	Miles	1998	N		P	F					M											M	S			S								19991130		
INB0882_M1016	05120108080020	WABASH RIVER	2.94	Miles	1998			P						M																								20001130	
INB0884_M1017	05120108080040	WABASH RIVER	4.03	Miles	1998	N		P						M												M	S											20010227	
INB0886_M1018	05120108080060	WABASH RIVER	2.89	Miles	1998	P		P	F					M												M	S											20001130	
INB0891_M1019	05120108090010	WABASH RIVER	3.77	Miles	1998	N		P	F					M												M	S											20001130	
INB0894_M1020	05120108090040	WABASH RIVER	11.38	Miles	1998	F		P	F					M																								20001130	
INB08F2_M1024	05120108150020	WABASH RIVER	1.22	Miles	1998	F		P	F					M																								20010216	
INB08M1_M1031	05120108200010	WABASH RIVER	5.63	Miles	1998	F		P	F					M																								20010219	
INB08M3_M1032	05120108200030	WABASH RIVER	0.89	Miles	1998	F		P	F					M																								20010219	
INB08M4_M1033	05120108200040	WABASH RIVER	5.42	Miles	1998	F		P	F					M																								20010219	
INB1145_M1003	05120111040050	WABASH RIVER	4.31	Miles	1998	N		P	F					M																								20010223	
INB1174_M1005	05120111070040	WABASH RIVER	4.50	Miles	1998	F		P						M																								20010223	
INB1194_M1007	05120111090040	WABASH RIVER	10.83	Miles	1998	N		P	F					M																								20010223	
INB11C4_M1009	05120111120040	WABASH RIVER	10.36	Miles	1998			P						M																								20010223	
INB11F1_M1010	05120111150010	WABASH RIVER	4.86	Miles	1998			P						M																								20010223	
INB11F3_M1011	05120111150030	WABASH RIVER	2.90	Miles	1998	F		P						M																								20010224	
INB11H1_M1014	05120111170010	Wabash River	1.94	Miles	1998			P						M																								20010224	
INB11J1_M1017	05120111180010	WABASH RIVER	7.96	Miles	1998			P						M																								20010224	
INB11K4_M1018	05120111190040	WABASH RIVER	3.72	Miles	1998			P						M																								20010224	
INB11M1_M1019	05120111200010	WABASH RIVER	5.02	Miles	1998	F		P	F					M																								20010227	

Use support: F-full support P-partial support N-non support.

Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INB11M3_M1020	05120111200030	WABASH RIVER	7.50	Miles	1998	P		P	F				M					M	S																			20010224	
INB1311_M1001	05120113010010	Wabash River	4.05	Miles	1998	F		P						M					S																			20010224	
INB1315_M1002	05120113010050	Wabash River	6.52	Miles	1998	F		P						M					S																			20010224	
INB1316_M1003	05120113010060	WABASH RIVER	2.17	Miles	1998			P						M					S																			20010224	
INB1331_M1004	05120113030010	WABASH RIVER	8.54	Miles	1998			P											S																			20010224	
INB1333_M1005	05120113030030	WABASH RIVER	4.23	Miles	1998			P							M				S																			20010224	
INB1354_M1007	05120113050040	WABASH RIVER	4.75	Miles	1998	F		P						M					S																			20010227	
INB1361_M1008	05120113060010	WABASH RIVER	20.95	Miles	1998	F		P						M					S																			20010224	
INB1381_M1009	05120113080010	WABASH RIVER	6.08	Miles	1998	F		P						M					S																			20010227	
INB1382_M1010	05120113080020	WABASH RIVER	1.39	Miles	1998	F		P	F					M					S																			20010227	
INB13A1_M1011	05120113100010	WABASH RIVER	2.30	Miles	1998	F		P	F					M					S																			20010227	
INB13A3_M1012	05120113100030	WABASH RIVER	3.84	Miles	1998	F		P	F					M					S																			20010224	
INB13A4_M1013	05120113100040	WABASH RIVER	10.60	Miles	1998			P						M					S																			20010224	
INB13C2_M1016	05120113120020	WABASH RIVER	10.32	Miles	1998			P						M					S																			20010224	
INB13D1_M1017	05120113130010	WABASH RIVER	5.58	Miles	1998	F		P						M					S																			20010227	
INB13D2_M1018	05120113130020	WABASH RIVER	9.90	Miles	1998	F		P						M					S																			20010224	
INB0871_M1014	05120108070010	Wabash River - Attica	4.15	Miles	1998	N		P	F					M											M	S		S										19991130	
INB08E1_M1050	05120108140010	Wabash River - Cayuga Gen Sta to Mill Cr	2.51	Miles	1998	N		P	F					M																								20010216	
INB0835_M1005	05120108030050	Wabash River - county line to Little Pine Creek	2.34	Miles	1998			P						M																								20001129	
INB0831_M1003	05120108030010	Wabash River - D/S Wea Creek	4.93	Miles	1998	P		P	N	M				M					S																			20010227	
INB0833_M1004	05120108030030	Wabash River - Granville Brdg to Flint Creek	5.31	Miles	1998	P		P	N	M				M					S																			20001129	
INB08E6_M1051	05120108140060	Wabash River - LtI Vermillion R to Sugar Cr	3.06	Miles	1998	F		P	F					M																								20010216	
INB08E6_M1022	05120108140060	Wabash River - Mill Cr to below LtI Vermillion R	1.99	Miles	1998	N		P	F					M																								20010216	
INB1142_M1002	05120111040020	Wabash River - Otter Creek to above Wabash Gen Sta outfall	3.75	Miles	1998	F		P	F					M					S																			20010223	
INB1138_M1001	05120111030080	Wabash River - Spring Creek to Otter Creek	3.15	Miles	1998	F		P	F					M					S																			20010222	
INB08F1_M1023	05120108150010	Wabash River - Sugar Cr to LtI Raccoon Cr (Vermillion)	5.68	Miles	1998	F		P	F					M																								20010216	
INB08E1_M1021	05120108140010	Wabash River - Vermilion R to Cayuga Gen Sta	4.18	Miles	1998	F		P	F					M																								20010216	
INB1142_M1025	05120111040020	Wabash River - Wabash Gen Sta to Lost Creek	1.10	Miles	1998	N		P	F					M					S																			20010223	
INB1176_M1006	05120111070060	WABASH RIVER-ASHMORE CREEK (ILL)	6.01	Miles	1998	F		P						M					S																			20010223	
INB11F4_M1012	05120111150040	WABASH RIVER-BUZZARD POND	10.20	Miles	1998	F		P						M					S																			20010224	
INB1341_M1006	05120113040010	WABASH RIVER-GREATHOUSE CREEK (ILL)	6.54	Miles	1998	P		P			M	M		M					S																			20010224	
INB11A5_M1008	05120111100050	WABASH RIVER-RIVERVIEW	6.87	Miles	1998	N		P	F					M					S																			20010223	
INB1156_M1004	05120111050060	WABASH RIVER-TERRE HAUTE AREA	8.17	Miles	1998	F		P						M					S																			20010223	
INB13A5_M1014	05120113100050	WABASH RIVER-WABASH LEVEE DITCH (ILL)	1.37	Miles	1998			P						M					S																			20010224	
INB1046_00	05120110040060	Walnut Fork - above Little Sugar Cr	11.29	Miles	2002	P				M																													20010220
INB1046_T1014	05120110040060	Walnut Fork - below Little Sugar Creek	3.06	Miles	2002	F		N							H																							20010220	
INB0823_T1044	05120108020030	WEA CREEK	4.63	Miles	1998	F		N							H																							20010227	
INB0826_T1045	05120108020060	WEA CREEK	10.37	Miles	1998	P		N		M					H																							20010227	
INB0829_T1039	05120108020090	Wea Creek - Elliot Dt to mouth	4.23	Miles	1998	N		N	N						H																							20001128	
INB08J6_00	05120108180060	WILLIAMS CREEK-MOLASSES CREEK	18.69	Miles		F																																	

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INB1024_00	05120110020040	WOLF CREEK-DIXON CREEK	29.51	Miles		F																																	

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
WEST FORK WHITE																																								
INW011A_T1111	0512020101000	ARBOGAST DITCH	2.50	Miles		A																																		
INW0186_T1116	05120201080060	BACON PRAIRIE CREEK	6.00	Miles		F		F																																
INW01F2_00	05120201150020	BEAMON DITCH	2.57	Miles		F		F																																
INW01D4_T1119	05120201130040	BEAN CREEK	5.15	Miles	1998	P			N	M																												19980401		
INW0211_T1001	05120202010010	BEANBLOSSOM CREEK	7.69	Miles	1998	F		N																														19980401		
INW0213_T1002	05120202010030	BEANBLOSSOM CREEK	4.25	Miles	1998	F		N																														19980401		
INW0214_T1053	05120202010040	BEANBLOSSOM CREEK	1.62	Miles	1998	F		N																														19980401		
INW0215_T1004	05120202010050	BEANBLOSSOM CREEK	6.57	Miles	1998	F		N																														19980401		
INW0216_T1005	05120202010060	BEANBLOSSOM CREEK	5.26	Miles	1998	F		N																														19980401		
INW0218_T1006	05120202010080	BEANBLOSSOM CREEK	10.07	Miles	1998	F		N																														19980401		
INW0219_T1007	05120202010090	BEANBLOSSOM CREEK	4.94	Miles	1998	F		N																														19980401		
INW021A_T1008	05120202010100	BEANBLOSSOM CREEK	2.77	Miles	1998	F		N																														19980401		
INW0211_00	05120202010010	BEANBLOSSOM CREEK- HEADWATERS	7.31	Miles		F		F																																
INW0214_00	05120202010040	BEANBLOSSOM CREEK-LAKE LEMON AND OTHER TRIBUTARIES	2.98	Miles		F		F																																
INW0165_00	05120201060050	BEAR CREEK-WEST FORK BEAR CREEK	11.37	Miles		F		F																																
INW0244_00	05120202040040	BEECH CREEK	12.05	Miles		F		F																																
INW0264_00	05120202060040	BEEHUNTER DITCH	6.08	Miles		F																																		
INW0123_00	05120201020030	BELL CREEK-BETHEL BROOK	11.76	Miles		F																																		
INW0125_00	05120201020050	BELL CREEK-NO NAME CREEK	7.02	Miles		F																																		
INW0124_00	05120201020040	BELL CREEK-WILLIAMS DITCH	9.70	Miles		F																																		
INW0189_00	05120201080090	BENNETT DT/TAYLOR CREEK AND OTHER TRIBUTARYS	6.73	Miles		F		F																																
INW0275_00	05120202070050	BENS CREEK AND OTHER TIBUTARYS	3.27	Miles		F																																		
INW0221_00	05120202020010	BIG CREEK/LIMESTONE CREEK TRIBUTARYS	11.28	Miles		F		F																																
INW0321_T1001	05120203020010	BIG WALNUT CREEK	5.07	Miles	1998	F		P											S																				19980401	
INW0323_T1003	05120203020030	BIG WALNUT CREEK	3.17	Miles	1998	F		P	F										S																				19980401	
INW0326_T1004	05120203020060	BIG WALNUT CREEK	2.86	Miles	1998	F		P	F										S																				19980401	
INW0327_T1005	05120203020070	BIG WALNUT CREEK	9.34	Miles	1998	F		P	F										S																				19980401	
INW0341_T1006	05120203040010	BIG WALNUT CREEK	8.58	Miles	1998	F		P	F										S																				19980401	
INW0342_T1007	05120203040020	BIG WALNUT CREEK	4.41	Miles	1998	F		P	F										S																				19980401	
INW0322_T1002	05120203020020	BIG WALNUT CREEK-ERNIE PYLE MEMORIAL	8.83	Miles	1998	F		P											S																				19980401	
INW0321_00	05120203020010	BIG WALNUT-BARNARD TRIBUTARYS	4.25	Miles		F																																		
INW0384_00	05120203080040	BIRCH CREEK-LITTLE BIRCH CREEK	9.93	Miles		F																																		
INW0388_00	05120203080080	BIRCH CREEK-OUTLET (ZION CHURCH)	3.94	Miles		F																																		
INW0386_00	05120203080060	BIRCH CREEK-PRAIRIE CREEK	11.12	Miles		F																																		
INW0246_00	05120202040060	BLACK ANKLE CREEK	11.11	Miles		F		F																																
INW0261_00	05120202060010	BLACK CREEK (DITCH)-HEADWATERS	17.75	Miles		F																																		
INW0262_00	05120202060020	BLACK CREEK-BREWER DITCH	9.65	Miles		F																																		
INW0265_00	05120202060050	BLACK CREEK-RAMSEY/CALICO SLASH DITCHES	7.62	Miles		F																																		
INW0267_00	05120202060070	BLACK CREEK-SINGER DITCH-WHITE R OXBOWS TRIBUTARYS	8.65	Miles		F																																		

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0323_00	05120203020030	BLED SOE BRANCH TRIBS	4.06	Miles		F																																	
INW0198_T1056	05120201090080	BROADRIPPLE TRIBUTARYS	6.34	Miles	1998	F		P	F					M					S																			19980401	
INW01D1_00	05120201130010	BROOKSIDE CREEK	1.71	Miles		F			F																														
INW036E_00	05120203060140	BRUSH CREEK (OWEN)	5.33	Miles		F			F																														
INW0387_00	05120203080070	BRUSH CREEK-CROOKED CREEK	8.36	Miles		F																																	
INW01J4_00	05120201180040	BRYANT CREEK (MORGAN)	7.10	Miles		F			F																														
INW0216_00	05120202010060	BUCK CR/MUDDY FORK	8.70	Miles		F			F																														
INW0122_T1011	05120201020020	Buck Creek	11.59	Miles	1998	N		P		M				M					M																			19980401	
INW0126_T1012	05120201020060	BUCK CREEK	3.52	Miles	1998	P		P		S				M					M																			19980301	
INW0184_T1110	05120201080040	BUCK CREEK	8.15	Miles		F			F																														
INW0263_00	05120202060030	BUCK CREEK (GREENE)	10.39	Miles		N																																	
INW022F_00	05120202020150	BUCKHALL CREEK/GOOSE CREEK TRIBUTARYS	9.98	Miles		F			F																														
INW01J2_00	05120201180020	BURKHART CREEK	7.69	Miles		F			F																														
INW01J7_00	05120201180070	BUTLER CREEK-BUTLER BRANCH	5.82	Miles		F			F																														
INW0116_00	05120201010060	CABIN CREEK-LAMB CREEK	10.21	Miles		F			F																														
INW036H_P1013	05120203060170	CAGLE MILL LAKE	9.78	Miles	1998	F		P	F											S																		19980401	
INW03P1013_00	05120203060170	CAGLES MILL LAKE	1400.00	Acre	2002				P											S																		20011228	
INW01H5_00	05120201170050	CAMP CREEK	4.23	Miles		F			F																														
INW0194_00	05120201090040	CARMEL CREEK AND OTHER TRIBUTARYS	8.72	Miles		F			F																														
INW01G1_00	05120201160010	CENTERTON AND OTHER TRIBUTARYS	3.30	Miles		F			F																														
INW018C_T1037	05120201080120	CICERO CREEK	5.09	Miles	1998	P			F	S																													19980401
INW0186_00	05120201080060	CICERO CREEK-BACON PRAIRIE CR/BUSCHER DT	10.57	Miles		F			F																														
INW0184_00	05120201080040	CICERO CREEK-BUCK CREEK-CAMPBELL DITCH	6.99	Miles		F			F																														
INW0183_00	05120201080030	CICERO CREEK-DIXON CREEK-CRUM DITCH	11.96	Miles		F			F																														
INW0185_00	05120201080050	CICERO CREEK-TOBIN DITCH	11.85	Miles		F			F																														
INW0187_00	05120201080070	CICERO CREEK-WEASEL CREEK	17.02	Miles		F			F																														
INW01F6_00	05120201150060	CLARKS CREEK	10.39	Miles		F			F																														
INW0396_00	05120203090060	CLAY CITY TRIB	4.43	Miles		F			F																														
INW01EE_00	05120201140140	CLEAR CREEK-EAST/WEST/GRASSY FORKS	17.23	Miles		F			F																														
INW0324_00	05120203020040	CLEAR CREEK-HEADWATERS (PUTNAM)	17.21	Miles		F			F																														
INW0325_00	05120203020050	CLEAR CREEK-MILLER CREEK	12.43	Miles		F			F																														
INW0248_00	05120202040080	CLIFTY BRANCH	15.22	Miles		F			F																														
INW02A5_00	05120202100050	CONGER CREEK-LITTLE CONGER CREEK	21.44	Miles		F																																	
INW0396_T1020	05120203090060	CONNELLY DITCH	5.28	Miles	1998	F			N																														19980401
INW0395_T1019	05120203090050	CONNELLY DITCH-HEADWATERS	7.51	Miles	1998	F			N																														19980401
INW0193_00	05120201090030	COOL CREEK-GRASSY BRANCH/LITTLE COOL CREEK	21.88	Miles		F			F																														
INW0181_00	05120201080010	COX DITCH-CHRISTY/KIGIN DITCHES	19.72	Miles		F			F																														
INW0362_00	05120203060020	CRITTENDEN CREEK TRIBUTARYS	7.77	Miles		F																																	
INW0197_00	05120201090070	CROOKED CREEK (MARION)	14.72	Miles		P			F	S																													
INW01E5_00	05120201140050	CROOKED CREEK-BANTA CREEK	14.86	Miles		F			F																														19980401
INW01H4_00	05120201170040	CROOKED/OLIVER CREEKS	9.19	Miles		F			F																														
INW0372_00	05120203070020	CROYS CREEK-BILLY CREEK	18.81	Miles		F			F																														
INW0371_00	05120203070010	CROYS CREEK-VAN BUREN CREEK	26.84	Miles		F			F																														

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Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW01FE_00	05120201150140	EAST FORK WHITE LICK CREEK-HEADWATERS AND OTHER TRIBUTARYS	5.81	Miles		F		F																																
INW01FG_00	05120201150160	EAST FORK WHITE LICK CREEK-SILON CREEK	8.03	Miles		F		F																																
INW01FF_00	05120201150150	EAST FORK WHITE LICK CREEK-STERLING RUN	3.64	Miles		F		F																																
INW0393_T1014	05120203090030	EEL RIVER	6.31	Miles	1998	F		P	F				M						M																			19980401		
INW0394_T1016	05120203090040	EEL RIVER	2.79	Miles	1998	F		P	F				M						M																			19980401		
INW0397_T1018	05120203090070	EEL RIVER	3.07	Miles	1998	F		P	N				M						M																			19980401		
INW0398_T1015	05120203090080	EEL RIVER	3.88	Miles	1998	F		P	N				M						M																			19980401		
INW039C_T1024	05120203090120	EEL RIVER	2.71	Miles	1998	F		P	N				M						M																			19980401		
INW039D_T1025	05120203090140	EEL RIVER	3.12	Miles	1998	F		P	N				M						M																			19980401		
INW0381_00	05120203080010	EEL RIVER-HOG CREEK	8.65	Miles		F																																		
INW0374_00	05120203070040	EEL RIVER-MCINTYRE CREEK	15.51	Miles		F																																		
INW0373_00	05120203070030	EEL RIVER-SLATE/AHLEMAYER BRANCHES	13.32	Miles		F			F																															
INW0383_00	05120203080030	EEL RIVER-TURKEY CREEK	17.55	Miles		F																																		
INW0114_00	05120201010040	EIGHTMILE CREEK AND OTHER TRIBUTARYS	5.00	Miles		F																																		
INW01A3_T1042	05120201100030	FALL CREEK	2.35	Miles	1998	P		P	F	S					M																								19980401	
INW01A6_T1044	05120201100060	FALL CREEK	5.18	Miles	1998	P		P	F	S					M																								19980401	
INW01AC_T1046	05120201100120	FALL CREEK	1.41	Miles	1998	P		P	F	S					M																								19980401	
INW01AF_T1047	05120201100150	FALL CREEK	1.27	Miles	1998	P		P	F	S					M																								19980401	
INW01B2_T1049	05120201110020	FALL CREEK	4.58	Miles	1998	P		P	F	S					M																								19980401	
INW01B6_T1051	05120201110060	FALL CREEK	7.60	Miles	1998	F			N																														19980401	
INW01J5_00	05120201180050	FALL CREEK (MORGON)	6.45	Miles		F			F																															
INW0223_00	05120202020030	FALL CREEK AND OTHER TRIBUTARYS	3.31	Miles		F			F																															
INW01B5_T1050	05120201110050	FALL CREEK-DEVON CREEK	15.75	Miles	1998	P		P	F	S					M																								19980401	
INW01AC_00	05120201100120	FALL CREEK-FLATFORK CREEK TRIBUTARYS	4.64	Miles		F			F																															
INW01A1_00	05120201100010	FALL CREEK-HONEY CREEK	14.19	Miles		F			F																															
INW01A3_00	05120201100030	FALL CREEK-MUD CREEK/LITTLE CREEK TRIBUTARYS	9.79	Miles		F			F																															
INW01A9_T1045	05120201100090	FALL CREEK-PENDLETON TO LICK CREEK	9.41	Miles	1998	P		P	F	S					M																								19980401	
INW01A2_00	05120201100020	FALL CREEK-SUGAR CREEK/DEER CREEK	15.12	Miles		F			F																															
INW01A5_T1043	05120201100050	FALL CREEK-SUGAR FORK	1.93	Miles	1998	P		P	F	S					M																								19980401	
INW01C3_00	05120201120030	FINLEY CREEK AND OTHER TRIBUTARYS	9.03	Miles		F			F																															
INW0255_00	05120202050050	FIRST CREEK	6.72	Miles		F			F																															
INW0256_T1030	05120202050060	FIRST CREEK	4.68	Miles	1998	F			N																														19980401	
INW0257_T1031	05120202050070	FIRST CREEK	11.91	Miles	1998	F			N																														19980401	
INW022E_00	05120202020140	FISH CREEK-MACK CREEK	8.89	Miles		F			F																															
INW022C_00	05120202020120	FISH CREEK-SAND LICK CREEK	7.23	Miles		F			F																															
INW022D_00	05120202020130	FISH CREEK-WEST FORK	9.32	Miles		F			F																															
INW01C9_00	05120201120090	FISHBACK CREEK (EAGLE CREEK RESERVOIR)	16.52	Miles		F			F																															
INW01A8_00	05120201100080	FOSTER BRANCH	7.05	Miles		F			F																															
INW0297_00	05120202090070	FRICK DT/JACKSON POND TRIBUTARYS	13.34	Miles		F																																		

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW01C6_00	05120201120060	LITTLE EAGLE BRANCH-HEADWATERS	12.27	Miles		F		F																																
INW01C7_00	05120201120070	LITTLE EAGLE BRANCH-WOODRUFF BRANCH	15.00	Miles		F		F																																
INW01CD_00	05120201120130	LITTLE EAGLE CREEK-FALCON CREEK/DRY RUN	3.35	Miles		P			F	S																													19980401	
INW01CC_00	05120201120120	LITTLE EAGLE CREEK-GUION CREEK	12.62	Miles		P			F	S																													19980401	
INW01J1_00	05120201080010	LITTLE INDIAN CREEK-JORDON CREEK	10.89	Miles		F		F																																
INW0146_00	05120201040060	LITTLE KILLBUCK CREEK-NELSON BROOK	10.13	Miles		F		F																																
INW0332_00	05120203030020	LITTLE WALNUT CREEK-HEADWATERS	6.39	Miles		F		F																																
INW0334_00	05120203030040	LITTLE WALNUT CREEK-LEATHERMAN CREEK	7.48	Miles		F		F																																
INW0335_00	05120203030050	LITTLE WALNUT CREEK-LONG BRANCH	8.18	Miles		F		F																																
INW0118_00	05120201010080	LITTLE WHITE RIVER	13.35	Miles		F																																		
INW01C8_00	05120201120080	LONG BRANCH/IRISHMAN RUN AND OTHER TRIBUTARYS	8.29	Miles		F		F																																
INW01EB_00	05120201140110	LOST CREEK	4.89	Miles		F		F																																
INW02AC_00	05120202100120	LOWER (ROBB TO WABASH) TRIBUTARYS	10.38	Miles		F		F																																
INW0341_T1027	05120203040010	MAIDEN RUN	2.64	Miles	1998	P		F	M																															19980401
INW0313_00	05120203010030	MAIN EDLIN DITCH-GRASSY BRANCH	7.01	Miles		F																																		
INW0312_00	05120203010020	MAIN EDLIN DITCH-SMITH DITCH	10.29	Miles		F																																		
INW0173_00	05120201070030	MALLORY GRANGER DITCH AND OTHER TRIBUTARYS	7.31	Miles		F		F																																
INW01D7_T1120	05120201130070	MARS DITCH	1.27	Miles	1998	P		N	M																															19980401
INW01G6_00	05120201160060	MARTINSVILLE TRIBS	0.41	Miles		F		F																																
INW0223_T1018	05120202020030	MCCORMICKS CREEK	7.08	Miles	1998	P		F	M																															19980401
INW01FC_00	05120201150120	MCCRACKEN CREEK	10.32	Miles		F		F																																
INW02AA_00	05120202100100	MIDDLE (WILSON TO ROB) TRIBUTARYS	2.89	Miles		F		F																																
INW0315_00	05120203010050	MIDDLE FORK BIG WALNUT CREEK	7.07	Miles		F																																		
INW0362_T1011	05120203060020	MILL CREEK	0.83	Miles	1998	F		N																																19980401
INW0365_T1012	05120203060050	MILL CREEK	1.28	Miles	1998	F		N																																19980401
INW036H_00	05120203060170	MILL CREEK AND OTHER TRIBUTARYS	5.59	Miles		F		F																																
INW036A_00	05120203060100	MILL CREEK-COTTON/BELLE UNION BRANCHES	15.44	Miles		F		F																																
INW0361_T1010	05120203060010	MILL CREEK-HEADWATERS (HENDRICKS)	9.96	Miles	1998	F		N																																19980401
INW0222_00	05120202020020	MILL CREEK-LITTLE MILL CREEK	14.61	Miles		F		F																																
INW036D_00	05120203060130	MILL CREEK-SAND BRANCH	6.85	Miles		F		F																																
INW036F_00	05120203060150	MILL CREEK-UPSTREAM CAGLES MILL LAKE	6.08	Miles		F		F																																
INW036C_00	05120203060120	MILL CREEK-VERMILLION/HIGGINS BRANCHES	14.24	Miles		F		F																																
INW0235_00	05120202030050	MILLER BRANCH AND OTHER TRIBUTARYS	3.15	Miles		F		F																																
INW0226_00	05120202020060	MILLS CREEK/GOOSE CREEK TRIBUTARYS	6.42	Miles		F																																		

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW01B6_T1057	0512020110060	MINNIE CREEK TRIBUTARYS	0.55	Miles	1998	F			N																													19980401	
INW01FJ_00	05120201150180	MONICAL BRANCH	6.72	Miles		F			F																														
INW018B_P1036	05120201080110	MORSE RESERVOIR	11.92	Miles	1998				P																														
INW01P1036_00	05120201080110	MORSE RESERVOIR	1800.00	Acre	1998		P	P											S															S	T		20020123		
INW018B_00	05120201080110	MORSE RESERVOIR-BEAR SLIDE CREEK TRIBUTARYS	6.87	Miles		F			F																														
INW01C4_00	05120201120040	MOUNTS RUN-NEESE DITCH	20.13	Miles		F			F																														
INW0155_T1113	05120201050050	MUD CREEK	3.50	Miles		F			F																														
INW0155_00	05120201050050	MUD CREEK (MADISON)	7.77	Miles		F			F																														
		MUD CREEK AND OTHER TRIBUTARIES																																					
INW011A_00	05120201010100	MUD CREEK AND OTHER TRIBUTARIES	5.11	Miles		F																																	
INW01B3_00	05120201110030	MUD CREEK-HEADWATERS	14.28	Miles		F			F																														
		MUD CREEK-HEADWATERS (HENDRICKS)																																					19980401
INW0366_00	05120203060060	MUD CREEK-LOWER (HENDRICKS)	7.72	Miles		P					M																											19980401	
INW0367_00	05120203060070	MUD CREEK-LOWER (HENDRICKS)	5.47	Miles		P			N	M																												19980401	
INW01B4_00	05120201110040	MUD CREEK-SAND CREEK	14.16	Miles		F			F																														
INW0398_00	05120203090080	MUIR LAKE/POND CREEK TRIBUTARYS	22.26	Miles		F			F																														
INW011D_00	05120201010130	MUNCIE CREEK AND OTHER TRIBUTARYS	5.52	Miles		F																																	
		NEED/BRUSH CREEK AND OTHER TRIBUTARYS																																					
INW039C_00	05120203090120	NEED/BRUSH CREEK AND OTHER TRIBUTARYS	12.84	Miles		F			F																														
INW0212_00	05120202010020	NORTH BEAR FORK	9.29	Miles		F			F																														
INW01E3_00	05120201140030	NORTH BLUFF/BLUFF CREEKS	12.00	Miles		F			F																														
INW0376_00	05120203070060	NORTH FORK JORDAN CREEK	7.07	Miles		F																																	
INW0281_T1044	05120202080010	NORTH FORK PRAIRIE CREEK	5.57	Miles	1998				N																													19980401	
INW0282_T1046	05120202080020	NORTH FORK PRAIRIE CREEK	4.44	Miles	1998				N																													19980401	
		NORTH FORK PRAIRIE CREEK (RESERVOIR)																																					
INW0281_P1045	05120202080010	NORTH FORK PRAIRIE CREEK (RESERVOIR)	1.96	Miles	1998				N																													19980401	
INW0283_T1047	05120202080030	NORTH FORK PRARIE CREEK	7.38	Miles	1998				N																													19980401	
INW01E8_T1121	05120201140080	NORTH PRONG STOTTS CREEK	2.71	Miles	2002	P			F	M																												19980401	
		NORTH PRONG STOTTS CREEK LMTD USE WATERS																																					
INW01E7_T1115	05120201140070	NORTH PRONG STOTTS CREEK LMTD USE WATERS	1.25	Miles	2002	P			F	M																												19980401	
		NORTH PRONG STOTTS CREEK-HEADWATERS																																					
INW01E7_00	05120201140070	NORTH PRONG STOTTS CREEK-HEADWATERS	5.69	Miles	2002	P			F	M																												19980401	
INW0177_00	05120201070070	NORTH TRIB (NOBLESVILLE)	1.12	Miles		F			F																														
INW01E6_00	05120201140060	NORTH TRIB(CENTENARY CHURCH)	4.60	Miles		F			F																														
INW01FH_00	05120201150170	ORCHARD CREEK	6.49	Miles		F			F																														
INW0245_00	05120202040050	ORE BRANCH TRIBUTARYS	7.76	Miles		F			F																														
INW0249_00	05120202040090	OTHER TIBUTARYS	9.18	Miles		F			F																														
INW0331_00	05120203030010	OWL CREEK	16.01	Miles		F			F																														
INW0111_00	05120201010010	OWL CREEK AND OTHER TRIBUTARYS	11.55	Miles		F																																	
		PALLARD DITCH AND OTHER TRIBUTARYS																																					
INW0271_00	05120202070010	PALLARD DITCH AND OTHER TRIBUTARYS	18.32	Miles		F																																	
INW01G4_P1125	05120201160040	PATTON LAKE	2.84	Miles		F			F																														
		PEACH CREEK AND OTHER TRIBUTARYS																																					
INW0112_00	05120201010020	PEACH CREEK AND OTHER TRIBUTARYS	11.66	Miles		F																																	
INW0273_00	05120202070030	PICKEL DITCH	9.77	Miles		F																																	
INW0152_00	05120201050020	PIPE CREEK	1.54	Miles		P			F	S																												19980401	
INW0152_T1020	05120201050020	PIPE CREEK	4.16	Miles	1998	P		P	N	S						M				S																	20020122		
INW0153_T1021	05120201050030	PIPE CREEK	4.08	Miles	1998	P		P	F	S						M				S																	19980401		
INW0154_T1022	05120201050040	PIPE CREEK	0.95	Miles	1998	P		P	F	S						M				S																	19980401		

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyyymmdd
INW0156_T1023	05120201050060	PIPE CREEK	2.45	Miles	1998	P	P	F	S				M						S																			19980401	
INW0157_T1024	05120201050070	PIPE CREEK	4.19	Miles	1998	P	P	F	M				M						S																			19980401	
INW0158_T1025	05120201050080	PIPE CREEK	2.86	Miles	1998	N	P	N	S				M						S														S	S				19980401	
INW0159_00	05120201050090	PIPE CREEK - Hamilton County	1.05	Miles		N			S																									S				20020122	
INW0159_T1026	05120201050090	PIPE CREEK - Swanfelt Dt to county line	6.33	Miles	1998	N	P	N	S				M						S														S	S				19980401	
INW0154_00	05120201050040	PIPE CREEK-ALEXANDRIA CREEK TRIBUTARYS	3.54	Miles		F			F																														
INW0151_00	05120201050010	PIPE CREEK-YEAGER FINLEY MENARD DITCH	9.53	Miles		P			F	S																												19980401	
INW02A9_00	05120202100090	PLASS DITCH-MUDDY RUN	11.38	Miles		F			F																														
INW01D3_T1062	05120201130030	PLEASANT RUN	9.73	Miles	1998	P			N	M																								H				19980401	
INW01D4_T1063	05120201130040	PLEASANT RUN	1.65	Miles	1998	P			N	M																								M				19980401	
INW01DB_00	05120201130110	PLEASANT RUN CREEK-BUFFALO CREEK	20.39	Miles		F			F																														
INW0323_T1026	05120203020030	PLUM CREEK	5.97	Miles	1998	P			F	M																												19980401	
INW0246_T1023	05120202040060	PLUMMER CREEK	7.47	Miles	1998	F			N																										S			19980401	
INW0249_T1024	05120202040090	PLUMMER CREEK	7.58	Miles	1998	F			N																										S			19980401	
INW01J6_00	05120201180060	POCKET HOLLOW	9.84	Miles		F			F																														
INW0153_00	05120201050030	POLECAT CREEK AND OTHER TRIBUTARYS	3.20	Miles		F			F																														
INW0163_00	05120201060030	POLYWOG CREEK	8.19	Miles		F			F																														
INW01D1_T1061	05120201130010	POQUES RUN	7.01	Miles	1998	P			N	M																									M			19980401	
INW0287_T1063	05120202080070	PRAIRIE CREEK	3.25	Miles		P				M																												19980401	
INW0288_T1064	05120202080080	PRAIRIE CREEK	5.02	Miles		P				S																												19980401	
INW01A7_00	05120201100070	PRAIRIE CREEK (MADISON)	4.13	Miles		F			F																														
INW0182_00	05120201080020	PRAIRIE CREEK-REARCE/MCKINZIE DITCHES	19.39	Miles		F			F																														
INW011B_00	05120201010110	PRARIE CREEK-CUNNINGHAM/CARMICHAEL DITCHES	5.77	Miles		F			F																														
INW02A2_T1058	05120202100020	PRIDES CREEK	7.40	Miles		F			F																														
INW02A2_00	05120202100020	PRIDES CREEK TRIBS	1.73	Miles		F			F																														
INW0228_00	05120202020080	RACCOON CREEK-LICK CREEK	14.99	Miles		F			F																														
INW0227_00	05120202020070	RACCOON CREEK-LITTLE RACCOON CREEK	9.84	Miles		F			F																														
INW0319_00	05120203010090	RAMP RUN-EAST FORK OUTLET	6.28	Miles		F			F																														
INW0225_00	05120202020050	RATTLESNAKE CREEK	8.33	Miles		F			F																														
INW0225_T1059	05120202020050	RATTLESNAKE CREEK	3.37	Miles	2002	P				M																												19980401	
INW02P1097_00	05120202060020	RESERVOIR NUMBER 29	85.00	Acre	2002	N																																20011226	
INW036B_00	05120203060110	RHODES CREEK	11.74	Miles		F			F																														
INW0241_T1019	05120202040010	RICHLAND CREEK	7.17	Miles	1998	P			P	N	M			M					S																S			19980401	
INW0242_T1020	05120202040020	RICHLAND CREEK	11.88	Miles	1998	P			P	N	M			M					S																	S		19980401	
INW0243_T1021	05120202040030	RICHLAND CREEK	5.98	Miles	1998	P			P		M			M					S																	S		19980401	
INW0245_T1022	05120202040050	RICHLAND CREEK	9.24	Miles	1998	P			P	N	M			M					S																	S		19980401	
INW02AB_00	05120202100110	ROBB CREEK	10.96	Miles		F			F																														
INW0295_00	05120202090050	ROBERSON DITCH-INDIAN/FLAT CREEKS	11.31	Miles		F			F																														
INW0257_00	05120202050070	ROCKY BRANCH AND OTHER TRIBUTARYS	7.67	Miles		F			F																														
INW02P1111_00	05120202060010	ROUND LAKE	20.00	Acre	2002	N																																20011105	
INW0217_T1015	05120202010070	S.F. GRIFFY CR	1.78	Miles	1998	P			F	M																												19980401	
INW0365_00	05120203060050	SALLUST BRANCH TRIBUTARYS	21.35	Miles		F			F																														

Use support: F-full support P-partial support N-non support.
Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0113_00	05120201010030	SALT/SUGAR CREEK AND OTHER TRIBUTARYS	17.59	Miles		F																																	
INW01H7_00	05120201170070	SAND CREEK	3.36	Miles		F		F																															
INW01CA_00	05120201120100	SCHOOL BRANCH	7.44	Miles		F		F																															
INW01D7_00	05120201130070	SEERLEY CREEK	2.36	Miles		F		F																															
INW0191_00	05120201090010	SHOEMAKER DITCH (HAMILTON) AND OTHER TRIBUTARYS	4.21	Miles		F		F																															
INW0266_00	05120202060060	SINGER DITCH(UPPER)-HILL DITCH	2.60	Miles		F																																	
INW01E4_00	05120201140040	SINKING CREEK	8.54	Miles		F		F																															
INW0382_00	05120203080020	SIXMILE CREEK-SULPHER CREEK	11.63	Miles		F																																	
INW01A4_00	05120201100040	SLY FORK-BRANDON DITCH	7.90	Miles		F		F																															
INW018C_00	05120201080120	SLY RUN AND OTHER TRIBUTARYS	11.83	Miles		F		F																															
INW0272_00	05120202070020	SMOTHERS CREEK (INSIDE LEVEE) TRIBUTARYS	7.72	Miles		F																																	
INW025B_00	05120202050110	SMOTHERS CREEK-CANE DITCH	9.59	Miles		F																																	
INW025C_00	05120202050120	SMOTHERS CREEK-CUTOFF	14.27	Miles		F																																	
INW0341_00	05120203040010	SNAKE CREEK TRIBS	5.92	Miles		F		F																															
INW0285_T1050	05120202080050	SOUTH FORK PRAIRIE CREEK	4.39	Miles	1998			N																										S				19980401	
INW0284_T1049	05120202080040	SOUTH FORK PRARIE CREEK	2.27	Miles	1998			N																									S				19980401		
INW0286_T1051	05120202080060	SOUTH FORK PRARIE CREEK	4.38	Miles	1998			N																															
INW0284_P1048	05120202080040	SOUTH FORK PRARIE CREEK (RESERVOIR)	0.22	Miles	1998			N																										S				19980401	
INW01EA_T1122	05120201140100	SOUTH PRONG STOTTS CREEK	2.03	Miles	2002	P		F	M																														19980401
INW01EB_T1123	05120201140110	SOUTH PRONG STOTTS CREEK	3.86	Miles	2002	P		F	M																														19980401
INW01E9_00	05120201140090	SOUTH PRONG STOTTS CREEK-HEADWATERS	7.34	Miles	2002	P		F	M																														19980401
INW0115_00	05120201010050	SPARROW CREEK	6.77	Miles		P			M																														19980401
INW0224_00	05120202020040	SPENCER TRIBUTARYS	5.72	Miles		F		F																															
INW0392_00	05120203090020	SPLUNGE CREEK-CUTOFF/LITTLE SLOUGH	25.85	Miles		F		F																															
INW0391_00	05120203090010	SPLUNGE CREEK-HEADWATERS	10.30	Miles		F		F																															
INW01A6_00	05120201100060	SPRING BRANCH AND OTHER TRIBUTARYS	2.53	Miles		F		F																															
INW01D7_T1073	05120201130070	STATE DITCH	4.35	Miles	1998	P			N	M																									M				19980401
INW0175_T1039	05120201070050	STONE CREEK	3.81	Miles	1998	P		N		M																													19980401
INW0176_T1040	05120201070060	STONE CREEK	2.70	Miles	1998	P		N		M																													19980401
INW0177_T1041	05120201070070	STONE CREEK	4.29	Miles	1998	P		N		M																													19980401
INW0119_00	05120201010090	STONE CREEK AND OTHER TRIBUTARYS	2.82	Miles		F																																	
INW0174_00	05120201070040	STONE CREEK-HEADWATERS	6.58	Miles		F		F																															
INW0117_00	05120201010070	STONE CREEK-LITTLE STONEY CREEK	13.35	Miles		F																																	
INW0175_00	05120201070050	STONE CREEK-WILLIAM LOCK DITCH TRIBUTARYS	4.78	Miles		F		F																															
INW01EC_00	05120201140120	STOTTS CREEK-EXCHANGE	3.15	Miles		F		F																															
INW0218_T1016	05120202010080	STOUT CREEK	4.79	Miles	1998	F		P	F					M																									19980401
INW0172_00	05120201070020	SUGAR RUN AND OTHER TRIBUTARYS	3.87	Miles		F		F																															
INW0158_00	05120201050080	SWANFELT DITCH AND OTHER TRIBUTARYS	10.02	Miles		F		F																															
INW01G2_00	05120201160020	SYCAMORE CREEK	13.36	Miles		F		F																															
INW0188_00	05120201080080	TETER BRANCH AND OTHER TRIBUTARYS	7.63	Miles		F		F																															

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW01AD_00	05120201100130	THORPE CREEK (GEIST RESERVOIR)	6.32	Miles		F		F																															
INW01F4_00	05120201150040	TILDEN	16.16	Miles		F		F																															
INW011C_00	05120201010120	TRUITT DITCH AND OTHER TRIBUTARYS	3.03	Miles		F																																	
INW01E1_00	05120201140010	TURKEY PEN CREEK	5.57	Miles		F		F																															
INW022A_T1060	05120202020100	UNNAMED BRANCH E.F. FISH CREEK	2.50	Miles	2002	P		F	M																												19980401		
INW0115_T1112	05120201010050	UNNAMED TRIB OF W.F. WHITE RIVER	1.60	Miles		A																																	
INW0258_T1057	05120202050080	UNNAMED TRIBUTARY OF FOUR MILE CREEK	2.70	Miles		F		F																															
INW02A3_00	05120202100030	UPPER (EAST FORK TO WILSON) TRIBUTARYS	12.54	Miles		F		F																															
INW02A7_00	05120202100070	HEADWATERS	5.54	Miles		F		F																															
INW02A8_00	05120202100080	UPPER RIVER DESHEE-WILLIAMS DITCH	11.86	Miles		F		F																															
INW0292_00	05120202090020	VEALE CREEK SLOUGH	10.21	Miles		F		F																															
INW0293_00	05120202090030	VEALE CREEK-LOWER	9.35	Miles		F		F																															
INW0155_T1114	05120201050050	VINSON DRAIN	0.50	Miles		F		F																															
INW0398_T1017	05120203090080	WABASH & ERIE CANAL	4.95	Miles	1998	F		N																									S				19980401		
INW0393_00	05120203090030	WATKINS CREEK TRIBUTARYS	6.78	Miles		F		F																															
INW0259_00	05120202050090	WEAVER/VERTREES DITCHES	13.36	Miles		F		F																															
INW0311_00	05120203010010	WEST FORK BIG WALNUT CREEK-HEADWATERS	6.65	Miles		F																																	
INW0314_00	05120203010040	WEST FORK BIG WALNUT CREEK-LOWER	10.69	Miles		F																																	
INW022B_00	05120202020110	WEST FORK FISH CREEK	4.93	Miles		F		F																															
INW039A_00	05120203090100	WEST FORK LICK CREEK	2.87	Miles		F		F																															
INW01FA_00	05120201150100	WEST FORK WHITE LICK CREEK-COSNER BRANCH	12.10	Miles		F		F																															
INW01F8_00	05120201150080	WEST FORK WHITE LICK CREEK-HEADWATERS	9.70	Miles		F		F																															
INW01F3_00	05120201150030	WEST FORK WHITE LICK CREEK-HUGHES BRANCH	16.40	Miles		F		F																															
INW01FB_00	05120201150110	WEST FORK WHITE LICK CREEK-MAIN STEM	7.20	Miles		F		F																															
INW01F9_00	05120201150090	WEST FORK WHITE LICK CREEK-THOMPSON CREEK	10.92	Miles		F		F																															
INW01F1_00	05120201150010	WHILEY THOMPSON DITCH	9.05	Miles		F		F																															
INW01F1_T1083	05120201150010	WHITE LICK CREEK	6.35	Miles	1998	F		P	F					M						S																	19980401		
INW01F2_T1084	05120201150020	WHITE LICK CREEK	8.03	Miles	1998	F		P	F					M						S																		19980401	
INW01F4_T1085	05120201150040	WHITE LICK CREEK	8.00	Miles	1998	F		P	F					M						S																		19980401	
INW01F5_T1086	05120201150050	WHITE LICK CREEK	2.38	Miles	1998	F		P	F					M						S																		19980401	
INW01FC_T1088	05120201150120	WHITE LICK CREEK	0.96	Miles	1998	F		P	F					M						S																		19980401	
INW01FH_T1090	05120201150170	WHITE LICK CREEK	4.24	Miles	1998	P		P	F	S				M						S																		19980401	
INW01FJ_T1091	05120201150180	WHITE LICK CREEK	5.30	Miles	1998	P		P	F	S				M						S																		19980401	
INW01F5_00	05120201150050	WHITE LICK CREEK-ABNER CREEK	6.75	Miles		F		F																															
INW01FD_T1089	05120201150130	WHITE LICK CREEK-MOORSEVILLE	2.78	Miles	1998	F		P	F					M						S																		19980401	
INW01F7_T1087	05120201150070	WHITE LICK CREEK-PLAINFIELD	8.65	Miles	1998	F		P	F					M						S																		19980401	
INW0397_00	05120203090070	WHITE OAK CREEK	8.17	Miles		F		F																															
INW0111_T1001	05120201010010	WHITE RIVER	8.83	Miles	1998	P		P	M					M						S																		19980401	
INW0112_T1002	05120201010020	WHITE RIVER	7.29	Miles	1998	P		P	M					M						S																		19980401	
INW0113_T1003	05120201010030	WHITE RIVER	0.48	Miles	1998	P		P	M					M						S																		19980401	
INW0114_T1004	05120201010040	WHITE RIVER	6.63	Miles	1998	P		P	M					M						S																		19980401	

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0267_M1034	05120202060070	White River - Smother Cr cutoff to Black Cr	3.48	Miles	1998	P	P		M					M					M																			19980401	
INW0275_M1037	05120202070050	White River - Wheatland	9.52	Miles	1998	P	P		M					M					S																			19980401	
INW01J9_00	05120201180090	WHITE RIVER-GOSPORT	0.09	Miles		F		F																															
INW0195_M1054	05120201090050	WHITE RIVER-HAVERSTICK CREEK/HOWLAND DITCH TRIBUTARYS	4.41	Miles	1998	F		P	F					M					S																			19980401	
INW0291_00	05120202090010	WHITE RIVER-HAWKINS CREEK TRIBUTARYS	5.96	Miles		F		F																															
INW01ED_M1082	05120201140130	WHITE RIVER-HENDERSON BRIDGE	3.90	Miles	1998	P	P	F						M					S																			19980401	
INW01DA_M1077	05120201130100	WHITE RIVER-MANN CREEK/HARNESS DITCH	3.77	Miles	1998	F	P	F						M					S																			19980401	
INW0254_M1029	05120202050040	WHITE RIVER-NEWBERRY TRIBS	4.77	Miles	1998	P	P	F	M					M					M																			19980401	
INW01J3_M1104	05120201180030	WHITE RIVER-PARAGON BRIDGE	6.06	Miles	1998	F	P	F						M					S																			19980401	
INW014A_T1019	05120201040100	WHITE RIVER-PERKINSVILLE	8.67	Miles	1998	P	P	N	S					M																								19980401	
INW0192_00	05120201090020	DITCH/MICHENER DITCH TRIBUTARYS	7.61	Miles		F		F																															
INW0176_00	05120201070060	WILLIAM LEHR DITCH AND OTHER TRIBUTARYS	3.61	Miles		F		F																															
INW0196_00	05120201090060	WILLIAMS CREEK	15.00	Miles		F		F																															
INW02A4_00	05120202100040	WILSON CREEK-MCCOY CREEK	12.24	Miles		F		F																															

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0566_00	05120205060060	DITCH	4.96	Miles		F																																	
INW0565_00	05120205060050	BIG TOUGH CREEK-HEADWATERS	10.36	Miles		F																																	
INW08H5_00	05120208170050	BIRCH CREEK AND OTHER TRIBUTARYS	14.87	Miles		F			F																														
INW08GF_00	05120208160150	BLUE/SIMMONS CREEK AND OTHER TRIBUTARYS	9.99	Miles		F																																	
INW0529_00	05120205020090	BOB CREEK	4.31	Miles		F																																	
INW08D7_T1060	05120208130070	BOGGS CREEK-BUZZARD RUN	5.34	Miles		F			F									T																			19980401		
INW0464_00	05120204060040	BOYD DITCH TRIBUTARYS	4.84	Miles		F																																	
INW0441_T1021	05120204040010	BRANDYWINE CREEK	5.14	Miles	1998	F		P	F											S																	19980401		
INW0442_T1022	05120204040020	BRANDYWINE CREEK	7.20	Miles	1998	F		P	F										M																		19980401		
INW0443_T1023	05120204040030	BRANDYWINE CREEK	6.54	Miles	1998	F		P	F										M																			19980401	
INW0445_T1024	05120204040050	BRANDYWINE CREEK	4.84	Miles	1998	F		P	F										M																			19980401	
INW0446_T1025	05120204040060	BRANDYWINE CREEK	2.76	Miles	1998	F		P	F										M																			19980401	
INW0448_00	05120204040080	BRANDYWINE CREEK-ED CLARK DITCH	4.31	Miles		F			F																														
INW0447_00	05120204040070	BRANDYWINE CREEK-SWAMP CREEK	13.08	Miles		F			F																														
INW0441_00	05120204040010	BRANDYWINE CREEK-WILLOW BRANCH TRIBUTARYS	4.95	Miles		F			F																														
INW0493_T1050	05140202090030	BREWER DITCH	2.50	Miles	2002	F			N																									S			19980401		
INW0493_00	05140202090030	BREWERS/CANARY DITCHS	2.83	Miles	2002	F			N																									S			19980401		
INW0757_00	05120207050070	BRUSH CREEK (JENNINGS)	9.77	Miles		F			F																														
INW0626_00	05120206020060	BRUSH CREEK-FISHERS FORK	12.59	Miles		F																																	
INW0652_T1023	05120206050020	BUCK CREEK	2.66	Miles		F																																	
INW0419_00	05120204010090	BUCK CREEK (RUSH)	13.57	Miles		F			F																														
INW08GC_00	05120208160120	BUCK CREEK AND OTHER TRIBUTARYS	6.26	Miles		F																																	
INW0475_00	05120204070050	BUCK CREEK-BIG RUN/WILDCATS	18.62	Miles		F			F																														
INW0474_00	05120204070040	BUCK CREEK-BREIER/DOE CREEKS	14.34	Miles		F			F																														
INW0471_00	05120204070010	BUCK CREEK-HEADWATERS (HANCOCK)	7.13	Miles		F			F																														
INW0472_00	05120204070020	BUCK CREEK-PARKER ESTES DITCH	8.27	Miles		F			F																														
INW0496_00	05140202090050	BUCKHART CREEK TRIBUTARYS	5.86	Miles		F			F																														
INW0812_00	05120208010020	BUFFALO CREEK	11.73	Miles		F																																	
INW08GB_00	05120208160110	CANE CREEK	4.13	Miles		F																																	
INW041E_00	05120204010140	CARTHAGE TRIBUTARYS	4.85	Miles		F			F																														
INW04A7_00	05140202100070	CATHERINE CREEK	5.81	Miles		F																																	
INW0891_T1020	05120208090010	CLEAR CREEK	4.32	Miles	1998	F		N	F					H																							20020919		
INW0892_T1021	05120208090020	CLEAR CREEK	8.12	Miles	1998	F		N	F					H																									
INW0893_T1022	05120208090030	CLEAR CREEK	6.04	Miles	1998	F		N	F					H																								20020919	
INW0893_00	05120208090030	CLEAR CREEK-LITTLE CLEAR CREEK	8.24	Miles		F			F																														
INW0821_00	05120208020010	CLIFTY CREEK	6.03	Miles		F																																	
INW0615_00	05120206010050	CLIFTY CREEK-BUCK RUN	5.81	Miles		F																																	
INW061G_00	05120206010160	CLIFTY CREEK-COLUMBUS	8.14	Miles		F			F																														
INW0617_00	05120206010070	CLIFTY CREEK-HARTSVILLE	9.27	Miles		F																																	
INW0611_00	05120206010010	CLIFTY CREEK-MIDDLE BRANCH	7.88	Miles		F																																	
INW061C_00	05120206010120	CLIFTY CREEK-NEWBERN	5.31	Miles		F																																	
INW0613_00	05120206010030	CLIFTY CREEK-NORTH BRANCH	14.58	Miles		F																																	
INW061E_00	05120206010140	CLIFTY CREEK-OTTER CREEK	10.66	Miles		F			F																														
INW0616_00	05120206010060	CLIFTY CREEK-POND BRANCH	7.99	Miles		F																																	
INW0614_00	05120206010040	CLIFTY CREEK-SANDUSKY TO US421	10.14	Miles		F																																	
INW0612_00	05120206010020	CLIFTY CREEK-SOUTH BRANCH	6.44	Miles		F																																	
INW0635_00	05120206030050	COBBS FORK-HEADWATERS	11.38	Miles		F			F																														

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0636_00	05120206030060	COBBS FORK-JORDAN CREEK	11.32	Miles		F																																	
INW0732_00	05120207030020	COFFEE CREEK	11.74	Miles	2002	F			N																														19980401
INW054A_00	05120205040100	CONNS CREEK-BLUE RIDGE	5.92	Miles		F																																	
INW0549_00	05120205040090	CONNS CREEK-MCGINNIS DITCH	8.69	Miles		F																																	
INW054E_00	05120205040140	CONNS CREEK-MOUTH (VALLEY CHURCH)	1.14	Miles		F																																	
INW054C_00	05120205040120	CONNS CREEK-WALDRON	4.79	Miles		F																																	
INW0842_00	05120208040020	COUNTY FARM AND OTHER TRIBUTARYS	6.37	Miles		F																																	
INW08H1_00	05120208170010	CROOKED CREEK AND OTHER TRIBUTARYS	15.70	Miles		F			F																														
INW08A2_00	05120208100020	CROOKED/WILLIAMS DAM TRIBUTARYS	6.97	Miles		F																																	
INW07B1_00	05120207110010	CUTOFF TRIBUTARYS	1.48	Miles		F																																	
INW0813_00	05120208010030	DAUFTON HOLLOW AND OTHER TRIBUTARYS	4.25	Miles		F																																	
INW054D_00	05120205040130	DEER CREEK	8.50	Miles		F																																	
INW0548_00	05120205040080	DEER CREEK-BRANAN CREEK	2.87	Miles		F																																	
INW07B4_00	05120207110040	DELANY CREEK	28.70	Miles		F																																	
INW0622_00	05120206020020	DENIOS CREEK	9.99	Miles		F																																	
INW0423_00	05120204020030	DILLY CREEK	8.80	Miles		F																																	
INW08H6_P1016	05120208170060	DOGWOOD LAKE	4.66	Miles	1998	F			F																														
INW08P1016_00	05120208170060	DOGWOOD LAKE	1313.00	Acre	2002			P											S																			20011228	
INW0455_T1044	05120204050050	DRIFTWOOD RIVER	0.54	Miles		F			F																														
INW04A6_M1047	05140202100060	DRIFTWOOD RIVER	6.67	Miles		F			F																														
INW04A7_M1048	05140202100070	DRIFTWOOD RIVER	1.22	Miles		F			F																														
INW04A8_M1049	05140202100080	DRIFTWOOD RIVER	2.46	Miles		F			F																														
INW04A1_M1045	05140202100010	DRIFTWOOD RIVER-HENDRICKS FORD (GAGE)	2.42	Miles		F			F																														
INW04A4_M1046	05140202100040	DRIFTWOOD RIVER-PLEASANT VIEW VILLAGE	2.75	Miles		F			F																														
INW08FC_T1047	05120208150120	DRY BRANCH (ORANGE)	6.23	Miles		F			F																														
INW061D_00	05120206010130	DUCK CREEK	16.67	Miles		F																																	
INW0417_00	05120204010070	DUCK CREEK-DRY FORK	12.81	Miles		F			F																														
INW0416_00	05120204010060	DUCK CREEK-JAKES BRANCH	7.35	Miles		F			F																														
INW0437_00	05120204030070	DUPREZ DITCH AND OTHER TRIBUTARYS	5.46	Miles		F			F																														
INW0891_T1019	05120208090010	EAST FORK JACKSON CREEK	3.70	Miles	1998	P			F	M																													20020919
INW055B_00	05120205050110	EAST FORK SLASH DITCH	6.66	Miles		F																																	
INW0655_00	05120206050050	EAST FORK WHITE CREEK-LOWER	14.66	Miles		F													T																			19980401	
INW0654_00	05120206050040	EAST FORK WHITE CREEK-UPPER	8.58	Miles		F													T																			19980401	
INW0561_M1015	05120205060010	EAST FORK WHITE R-COLUMBUS	1.98	Miles	1998	F		P					M																									19980401	
INW0621_M1012	05120206020010	EAST FORK WHITE RIVER	3.26	Miles	1998	F		P					M																									19980401	
INW0623_M1013	05120206020030	EAST FORK WHITE RIVER	5.17	Miles	1998	F		P					M																									19980401	
INW0627_M1014	05120206020070	EAST FORK WHITE RIVER	5.17	Miles	1998	F		P					M																									19980401	
INW0643_M1016	05120206040030	EAST FORK WHITE RIVER	8.08	Miles	1998	F		P					M						S																			19980401	
INW0645_M1017	05120206040050	EAST FORK WHITE RIVER	11.15	Miles	1998	F		P					M						S																			19980401	
INW0661_M1018	05120206060010	EAST FORK WHITE RIVER	2.13	Miles	1998	F		N	F				M						S																			19980201	
INW0662_M1019	05120206060020	EAST FORK WHITE RIVER	3.54	Miles	1998	F		P	F				M						S																			19980401	
INW0664_M1020	05120206060040	EAST FORK WHITE RIVER	3.73	Miles	1998	F		P	F				M						S																			19980401	
INW0665_M1021	05120206060050	EAST FORK WHITE RIVER	6.81	Miles	1998	F		P	F				M						S																			19980401	
INW0811_M1001	05120208010010	EAST FORK WHITE RIVER	4.31	Miles	1998	F		N					M						S																			19980401	
INW0813_M1002	05120208010030	EAST FORK WHITE RIVER	4.51	Miles	1998	F		N					M						S																			19980401	

Use support: F-full support P-partial support N-non support.

Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0824_M1004	05120208020040	EAST FORK WHITE RIVER	2.95	Miles	1998	F	P						M						M																			19980401	
INW0826_M1005	05120208020060	EAST FORK WHITE RIVER	3.24	Miles	1998	F	P						M						M																			19980401	
INW0842_M1006	05120208040020	EAST FORK WHITE RIVER	5.61	Miles	1998	F	P						M						M																		19980401		
INW0845_M1007	05120208040050	EAST FORK WHITE RIVER	1.98	Miles	1998	F	P						M						M																		19980401		
INW08A2_M1008	05120208100020	EAST FORK WHITE RIVER	11.87	Miles	1998	F	P						M					T	M																		19980401		
INW08A3_M1009	05120208100030	EAST FORK WHITE RIVER	6.46	Miles	1998	F	P						M					T	M																		19980401		
INW08A3_M1058	05120208100030	EAST FORK WHITE RIVER	10.00	Miles	1998	F	P											M																			19980401		
INW08C5_M1011	05120208120050	EAST FORK WHITE RIVER	6.62	Miles	1998	F	P						M						T																		19980401		
INW08E1_M1012	05120208140010	EAST FORK WHITE RIVER	3.31	Miles	1998	F	P						M																								19980401		
INW08E2_M1013	05120208140020	EAST FORK WHITE RIVER	4.37	Miles	1998	F	P						M																								19980401		
INW08E4_M1014	05120208140040	EAST FORK WHITE RIVER	5.86	Miles	1998	F	P						M																								19980401		
INW08H1_M1015	05120208170010	EAST FORK WHITE RIVER	9.30	Miles	1998	F	P						M																								19980401		
INW08H1_M1066	05120208170010	EAST FORK WHITE RIVER	1.40	Miles			F		F										T																		19980401		
INW08H3_M1067	05120208170030	EAST FORK WHITE RIVER	0.76	Miles			F		F										T																		19980401		
INW08H4_M1068	05120208170030	EAST FORK WHITE RIVER	4.37	Miles			F		F										T																		19980401		
INW08H5_M1069	05120208170050	EAST FORK WHITE RIVER	3.87	Miles			F		F										T																		19980401		
INW08H7_M1070	05120208170070	EAST FORK WHITE RIVER	10.69	Miles			F		F										T																		19980401		
INW08H9_M1055	05120208170090	EAST FORK WHITE RIVER	4.30	Miles			F		F										T																		19980401		
INW0845_M1053	05120208040050	EAST FORK WHITE RIVER (ABOVE BEDFORD WATER INTAKE)	1.20	Miles	1998	F	P						M						M																		19980401		
INW08A3_00	05120208100030	EAST FORK WHITE RIVER-HENSHAW BEND TRIBUTARYS	3.32	Miles			F																																
INW0641_M1015	05120206040010	EAST FORK WHITE R-REDDINGTON	8.43	Miles	1998	F	P						M						S																		19980401		
INW08C1_M1010	05120208120010	EAST FORK WHITE R-SHOALS	7.38	Miles	1998	F	P						M					S																			19980401		
INW0822_M1003	05120208020020	EAST FORK WHITE R-TUNNELTON	14.86	Miles	1998	F	P						M						M																		19980401		
INW0841_00	05120208040010	EAST FORK WHITE R-WESLEY CHAPEL KARST AREA	0.34	Miles			F																																
INW0557_00	05120205050070	EAST TRIB LEWIS CREEK (WINCHESTER CHURCH)	6.21	Miles			F																																
INW0619_00	05120206010090	EAST TRIBUTARY FALL FORK CLIFTY CREEK	4.35	Miles			F																																
INW0527_00	05120205020070	EAST TRIBUTARY FLATROCK RIVER	7.27	Miles			F																																
INW0414_00	05120204010040	ELLIOT RUN AND OTHER TRIBUTARYS	1.75	Miles			F		F																														
INW055J_00	05120205050180	ENSLEY DITCH	4.99	Miles			F																																
INW061A_00	05120206010100	FALL FORK CLIFTY CREEK-ANDERSON FALLS	6.45	Miles			F																																
INW0618_00	05120206010080	FALL FORK CLIFTY CREEK-HEADWATERS	11.08	Miles			F																																
INW063B_00	05120206030110	FISH CREEK AND OTHER TRIBUTARYS	4.18	Miles			F																																
INW0824_00	05120208020040	FISHING CREEK AND OTHER TRIBUTARYS	6.15	Miles			F																																
INW0487_00	05120204080070	FLAT BRANCH	8.39	Miles			F		F																														
INW074B_00	05120207040110	FLAT CREEK	9.38	Miles			F		F																														
INW0518_T1002	05120205010080	FLATROCK RIVER	4.94	Miles	1998	F	P												S																		19980401		
INW0525_T1006	05120205020050	FLATROCK RIVER	3.10	Miles	1998	F	P												S																		19980401		
INW0526_T1007	05120205020060	FLATROCK RIVER	7.34	Miles	1998	F	P												S																		19980401		
INW052A_T1009	05120205020100	FLATROCK RIVER	9.93	Miles	1998	F	P												S																		19980401		
INW055N_T1018	05120205050210	FLATROCK RIVER	4.98	Miles			F		F																														
INW0515_00	05120205010050	FLATROCK RIVER-ABOVE US40	3.39	Miles			F																																
INW0516_T1001	05120205010060	FLATROCK RIVER-APPLEBUTTER CREEK	3.16	Miles	1998	F	P												S																		19980401		

Use support: F-full support P-partial support N-non support.

Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd
INW0833_00	05120208030030	GUTHRIE CREEK-CRAWFORD CREEK	14.90	Miles		F																																	
INW0831_00	05120208030010	GUTHRIE CREEK-DRY CREEK	27.15	Miles		F																																	
INW0873_00	05120208070030	HAMILTON CREEK	5.32	Miles		F												T																				20020919	
INW0716_T1007	05120207010060	HARBERTS CREEK	11.60	Miles	2002	F			N																													19980401	
INW08E3_00	05120208140030	HAW CREEK	10.17	Miles		F																																	
INW0568_00	05120205060080	HAW CREEK-COLUMBUS	7.47	Miles		F																																	
INW0562_00	05120205060020	HAW CREEK-HEADWATERS	6.91	Miles		F																																	
INW0564_00	05120205060040	HAW CREEK-HORSE/CHICKEN CREEKS	7.16	Miles		F																																	
INW0567_00	05120205060070	HAW CREEK-SLASH LOESCH DITCH	6.04	Miles		F																																	
INW0643_00	05120206040030	HEDDY RUN AND OTHER TRIBUTARYS	8.52	Miles		F																																	
INW0896_00	05120208090060	HENDERSON CREEK	10.91	Miles		F			F																														
INW0498_00	05140202090080	HERRIOTT'S CREEK TRIBUTARYS	4.76	Miles		F			F																														
INW0446_00	05120204040060	HILLS BRANCH	9.25	Miles		F			F																														
INW0744_00	05120207040040	HOG CREEK	16.98	Miles		F			F																														
INW0661_00	05120206060010	HOUGH CREEK AND OTHER TRIBUTARYS	10.17	Miles		F			F																														
INW0495_00	05140202090050	HURRICANE CREEK (JOHNSON)	10.99	Miles		F																																	
INW0539_00	05120205030090	HURRICANE CREEK (RUSH)	7.15	Miles		F																																	
INW074C_00	05120207040120	HUTTO CREEK	5.97	Miles		F			F																													19980401	
INW0645_00	05120206040050	INDIAN CREEK AND OTHER TRIBUTARYS	9.50	Miles		F																																	
INW08B1_00	05120208110010	INDIAN CREEK-HEADWATERS (MONROE)	11.22	Miles		F			F																														
INW08B2_00	05120208110020	INDIAN CREEK-LITTLE INDIAN CREEK	12.42	Miles		F			F																														
INW08B7_00	05120208110070	INDIAN CREEK-MT. OLIVE	14.38	Miles		F			F																														
INW08BA_00	05120208110100	INDIAN CREEK-OPOSSUM CREEK	12.99	Miles		F			F																														
INW08B6_00	05120208110060	INDIAN CREEK-SILVERTON BRANCH	18.05	Miles		F			F																														
INW08B4_00	05120208110040	INDIAN CREEK-TOWN BRANCH	15.33	Miles		F			F																														
INW0891_T1018	05120208090010	JACKSON CREEK	5.62	Miles	1998	P			F	M																												20020919	
INW0815_P1051	05120208010050	JOHN HAY LAKE	1.40	Miles		F																																	
INW08P1051_00	05120208010050	JOHN HAYS LAKE	210.00	Acre	2002		P																												M		20011227		
INW0746_00	05120207040060	KIMBERLIN CREEK-HEADWATERS	6.96	Miles		F			F																														
INW0748_00	05120207040080	KIMBERLIN CREEK-LOWER	6.62	Miles		F			F																														
INW0886_P1024	05120208080060	LAKE MONROE (LOWER)	19.45	Miles	1998			P											M																		19980401		
INW0845_00	05120208040050	LEATHERWOOD CREEK AND OTHER TRIBUTARYS	10.18	Miles		F			F																														
INW0843_00	05120208040030	LEATHERWOOD CREEK-HEADWATERS	11.08	Miles		F			F																														
INW055E_00	05120205050140	LEWIS CREEK-AT MOUTH	1.84	Miles		F																																	
INW0553_00	05120205050030	LEWIS CREEK-HEADWATERS	10.23	Miles		F																																	
INW055A_00	05120205050100	LEWIS CREEK-LEWIS CREEK (TOWN)	3.40	Miles		F																																	
INW0556_00	05120205050060	LEWIS CREEK-SEC 5	1.18	Miles		F																																	
INW0558_00	05120205050080	LEWIS CREEK-SEC 7	5.08	Miles		F																																	
INW0554_00	05120205050040	LEWIS CREEK-SHELBY TWP SCHOOL	6.57	Miles		F																																	
INW08G3_T1061	05120208160030	LICK CREEK (ABOVE PAOLI WATER INTAKE)	1.82	Miles		F																																	
INW0536_00	05120205030060	LICK CREEK (RUSH)	5.48	Miles		F																																	
INW08G5_T1062	05120208160050	LICK CREEK (SCOTT HOLLOW TO MOUTH)	6.24	Miles	2002	F			N																													19980401	
INW08G2_00	05120208160020	LICK CREEK-HEADWATERS	14.96	Miles		F																																	
INW08G4_00	05120208160040	LICK CREEK-LOG CREEK	11.77	Miles		F																																	

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW04A5_00	05140202100050	LICK CREEK-MUDDY BRANCH	10.50	Miles		F																																		
INW08G5_00	05120208160050	LICK CREEK-SCOTT HOLLOW	7.06	Miles		F																																		
INW08G3_00	05120208160030	LICK CREEK-WILLOW CREEK	11.00	Miles		F																																		
INW0413_00	05120204010030	LITTLE BLUE RIVER	10.61	Miles		F			F																															
INW0435_T1016	05120204030050	LITTLE BLUE RIVER	2.12	Miles	1998	F		P	F					M																								20020918		
INW0436_T1015	05120204030060	LITTLE BLUE RIVER	11.56	Miles	1998	F		P	F					M																								20020918		
INW08D6_00	05120208130060	LITTLE BOGGS CREEK-LOWER	5.71	Miles		F			F									T																				19980401		
INW08D5_00	05120208130050	LITTLE BOGGS CREEK-WEST BOGGS LAKE	4.08	Miles		F			F									T																				19980401		
INW0444_00	05120204040040	LITTLE BRANDYWINE CREEK	6.60	Miles		F			F																															
INW054B_00	05120205040110	LITTLE CONNS CREEK	3.86	Miles		F																																		
INW0719_00	05120207010090	LITTLE CREEK-CHICKEN RUN	14.86	Miles	2002	F			N																													19980401		
INW0717_00	05120207010070	LITTLE CREEK-HEADWATERS (JEFFERSON)	5.78	Miles	2002	F			N																													19980401		
INW0537_00	05120205030070	LITTLE FLATROCK RIVER-AT COUNTY LINE	3.53	Miles		F																																		
INW053A_00	05120205030100	LITTLE FLATROCK RIVER-DOWNEYVILLE	2.27	Miles		F																																		
INW0531_00	05120205030010	LITTLE FLATROCK RIVER-HEADWATERS	4.82	Miles		F																																		
INW0535_00	05120205030050	LITTLE FLATROCK RIVER-MILROY	2.65	Miles		F																																		
INW0533_00	05120205030030	LITTLE FLATROCK RIVER-PLEASANT RUN CEM	9.74	Miles		F																																		
INW0538_00	05120205030080	LITTLE FLATROCK RIVER-WILLIAMSTOWN	2.98	Miles		F																																		
INW0724_00	05120207020040	LITTLE GRAHAM CREEK-HEADWATERS	5.87	Miles		F			F																															
INW0725_00	05120207020050	LITTLE GRAHAM-HORSE & POPLAR BRANCH	15.22	Miles		F			F																															
INW0563_00	05120205060030	LITTLE HAW CREEK	5.17	Miles		F																																		
INW0762_00	05120207060020	LITTLE OTTER CREEK	5.17	Miles		F			F																															
INW0764_00	05120207060040	LITTLE OTTER FORK	7.07	Miles		F			F																															
INW0864_00	05120208060040	LITTLE SALT CREEK	16.38	Miles		F													T																			20020919		
INW0897_00	05120208090070	LITTLE SALT CREEK-BREWER BRANCH	13.54	Miles		F			F										T																			19980401		
INW0895_00	05120208090050	LITTLE SALT CREEK-HUNTER CREEK	14.75	Miles		F			F																															
INW0861_00	05120208060010	LITTLE SALT CREEK-KIPER CREEK	16.23	Miles		F													T																			20020919		
INW0898_00	05120208090080	LITTLE SALT CREEK-KNOB CREEK	9.56	Miles		F			F										T																			19980401		
INW0627_00	05120206020070	LITTLE SAND CREEK AND OTHER TRIBUTARYS	2.16	Miles		F																																		
INW0625_00	05120206020050	LITTLE SAND CREEK-COOKS CREEK	6.11	Miles		F																																		
INW0624_00	05120206020040	LITTLE SAND CREEK-HEADWATERS	10.27	Miles		F																																		
INW0466_T1026	05120204060060	LITTLE SUGAR CREEK	3.00	Miles	1998	F		P						M					M																			19980401		
INW0467_T1027	05120204060070	LITTLE SUGAR CREEK	3.11	Miles		F																																		
INW0486_00	05120204080060	LITTLE SUGAR CREEK-CAMPBELL DITCH	4.72	Miles		F			F																															
INW0632_00	05120206030020	LOST CREEK AND OTHER TRIBUTARYS	8.85	Miles		F			F																															
INW08G1_T1037	05120208160010	LOST RIVER	10.56	Miles		F																																		
INW08GA_T1035	05120208160100	LOST RIVER	8.52	Miles		F																																		
INW08GC_T1034	05120208160120	LOST RIVER	7.75	Miles		F																																		
INW08GE_T1033	05120208160140	LOST RIVER	12.01	Miles		F																																		
INW08GF_T1032	05120208160150	LOST RIVER	2.24	Miles		F																																		

Use support: F-full support P-partial support N-non support.
Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyyymmdd			
INW08G8_T1065	05120208160080	LOST RIVER (ABOVE SPRINGS VALLEY INTAKE)	1.32	Miles	2002	F			N																								M					19980401				
INW08F3_T1041	05120208150030	LOST RIVER-CARTERS CREEK	9.23	Miles		F			F																																	
INW08FB_T1038	05120208150110	LOST RIVER-RISE	8.55	Miles		F			F																																	
INW08F7_T1040	05120208150070	LOST RIVER-SINK	6.92	Miles		F			F																																	
INW08F8_T1039	05120208150080	LOST RIVER-UNDERGROUND	11.20	Miles		F			F																																	
INW08G8_T1036	05120208160080	LOST RIVER-WEST BADEN	5.81	Miles	2002	F			N																									M				19980401				
INW0452_00	05120204050020	LOWELL DITCH	8.67	Miles		F			F																																	
INW0435_T1052	05120204030050	MANILLA BRANCH	4.69	Miles		F			F																																	
INW0462_00	05120204060020	MARSH & TREES DITCH TRIBUTARYS	4.81	Miles		F																																				
INW0892_00	05120208090020	MAY CREEK AND OTHER TRIBUTARYS	4.79	Miles		F			F																																	
INW048A_00	05140202080100	MCCUE MEDSKER DITCH TRIBUTARYS	4.61	Miles		F			F																																	
INW0663_00	05120206060030	MCHARGUE DITCH	11.88	Miles		F			F																																	
INW0664_00	05120206060040	MC MILLAN DITCH AND OTHER TRIBUTARYS	9.54	Miles		F			F																																	
INW0714_00	05120207010040	MIDDLE FORK CREEK (JEFFERSON)	14.18	Miles		F																																				
INW061B_00	05120206010110	MIDDLE FORK FALL FORK CLIFTY CREEK	11.17	Miles		F																																				
INW0874_00	05120208070040	MIDDLE FORK SALT CREEK- GRAVEL/LITTLE BLUE CREEKS	6.99	Miles		F												T																						20020919		
INW0871_00	05120208070010	MIDDLE FORK SALT CREEK- HEADWATERS	11.06	Miles		F												T																						20020919		
INW0872_00	05120208070020	MIDDLE FORK SALT CREEK- PLEASANT VALLEY CREEK	11.10	Miles		F												T																							20020919	
INW08H2_T1050	05120208170020	MILL CREEK	5.39	Miles		F			F																																	
INW0542_00	05120205040020	MILL CREEK (DECATUR)	8.35	Miles		F																																				
INW08H2_00	05120208170020	MILL CREEK (DUBOIS)	13.48	Miles		F			F																																	
INW07B6_00	05120207110060	MILL CREEK (JACKSON)	4.83	Miles		F																																				
INW0825_00	05120208020050	MILL CREEK-MOSQUITO CREEK	2.71	Miles		F																																				
INW07B7_00	05120207110070	MILLPORT AND OTHER TRIBUTARYS	2.38	Miles		F																																				
INW0518_00	05120205010080	MILLS DITCH AND OTHER TRIBUTARYS	8.60	Miles		F																																				
INW0639_00	05120206030090	MILLSTONE AND OTHER TRIBUTARYS	4.85	Miles		F																																				
INW08P1024_00	05120208170060	MONROE RESERVOIR (LOWER)	6863.00	Acre	1998		P	P											S																		S	T		20020123		
INW08P1140_00	05120208080040	MONROE RESERVOIR (UPPER)	3887.00	Acre	2002		P	P											S																	S	S	T		20020123		
INW041A_00	05120204010100	MONTGOMERY CREEK- HEADWATERS	8.90	Miles		F			F																																	
INW041B_00	05120204010110	MONTGOMERY/CENTRAL CREEKS	7.64	Miles		F			F																																	
INW0412_00	05120204010020	MOON BROOK AND OTHER TRIBUTARYS	4.52	Miles		F			F																																	
INW0534_00	05120205030040	MOORE DITCH	3.02	Miles		F																																				
INW08FA_T1046	05120208150090	MT. HOREB DRAIN	3.59	Miles		F			F																																	
INW07B1_M1003	05120207110010	MUCATATUCK RIVER	3.25	Miles	1998	F			P							M			M																					19980401		
INW08H6_00	05120208170060	MUD CREEK (DAVIESS)	6.09	Miles		F			F																																	
INW08H9_00	05120208170090	MUD CREEK (PIKE) AND OTHER TRIBUTARYS	15.94	Miles		F			F																																	
INW0545_00	05120205040050	MUD CREEK-HODGE DITCH	8.10	Miles		F																																				
INW04A3_00	05140202100030	MUD CREEK-NINEVEH CREEK	10.68	Miles		F																																				
INW04A2_00	05140202100020	MUD CREEK-PRINCE CREEK	15.24	Miles		F																																				
INW0544_00	05120205040040	MUD CREEK-RUSHING RUN	9.62	Miles		F																																				

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APPENDIX B

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW0547_00	05120205040070	MUD CREEK-SOUTH CREEK	1.67	Miles		F																																		
INW0633_T1001	05120206030030	MUDDY FORK SAND CREEK	16.07	Miles	1998	F		P						M					M																			19980401		
INW0633_00	05120206030030	MUDDY FORK TRIBUTARYS	1.57	Miles		F			F																															
INW0734_00	05120207030040	MUSCATATUCK R-CANA CREEK	6.73	Miles		F																																		
INW0737_T1001	05120207030070	MUSCATATUCK RIVER	2.97	Miles	1998	F												T																				19980401		
INW0737_T1009	05120207030070	MUSCATATUCK RIVER	2.70	Miles	2002	P																																	19980401	
INW0796_T1002	05120207090060	MUSCATATUCK RIVER	18.40	Miles	1998	F		P					M						M																			19980401		
INW07B7_M1005	05120207110070	MUSCATATUCK RIVER	5.43	Miles	1998	F		P						M					M																				19980401	
INW0731_00	05120207030010	MUSCATATUCK RIVER-DEPUTY	4.23	Miles	2002	F			N																														19980401	
INW07B5_M1004	05120207110050	MUSCATATUCK RIVER-SNYDER DITCH	3.61	Miles	1998	F		P						M					M																				19980401	
INW0733_00	05120207030030	MUSCATATUCK- FOWER/SLATE/CROOKED CR	21.03	Miles	2002	F			N																															19980401
INW0782_00	05120207080020	MUTTON CREEK-LOWER	8.14	Miles		F			F																															
INW0785_00	05120207080050	MUTTON CREEK-SANDY BRANCH	10.76	Miles		F			F																															
INW0781_00	05120207080010	MUTTON CREEK-UPPER	12.87	Miles		F			F																															
INW071B_00	05120207010110	NETTLE CREEK AND OTHER TRIBUTARYS	10.09	Miles	2002	F			N																															19980401
INW063H_00	05120206030170	NETTLE CREEK AND OTHER TRIBUTARYS	6.45	Miles		F																																		
INW0747_00	05120207040070	NEWLAND CREEK	4.60	Miles		F			F																															
INW0722_00	05120207020020	NORTH FORK GRAHAM CREEK	4.77	Miles		F			F																															
INW08F2_T1042	05120208150020	NORTH FORK LOST RIVER	12.71	Miles		F			F																															
INW0857_T1054	05120208050070	NORTH FORK SALT CREEK	1.35	Miles		F													T																				19980401	
INW0854_00	05120208050040	NORTH FORK SALT CREEK-CLAY LICK/GREASY CREEK	11.67	Miles		F																																		
INW0852_00	05120208050020	NORTH FORK SALT CREEK-EAST FORK	12.52	Miles		F																																		
INW0856_00	05120208050060	NORTH FORK SALT CREEK-JACKSON CREEK	8.02	Miles		F																																		
INW0857_00	05120208050070	NORTH FORK SALT CREEK-LOWER SCHOONER CREEK	9.52	Miles		F																																		
INW0855_00	05120208050050	NORTH FORK SALT CREEK-OWL/LICK CREEKS	15.06	Miles		F																																		
INW0851_00	05120208050010	NORTH FORK SALTWATER CREEK-SWEETWATER CREEK	15.71	Miles		F																																		
INW0751_00	05120207050010	NORTH FORK VERNON FORK-HEADWATERS	3.37	Miles		F			F																															
INW0752_00	05120207050020	NORTH FORK VERNON FORK-SYMRNA	6.76	Miles		F			F																															
INW0759_00	05120207050090	NORTH FORK-DEER CREEK	5.11	Miles		F			F																															
INW0756_00	05120207050060	NORTH FORK-FINCH BRANCH	10.95	Miles		F			F																															
INW0754_00	05120207050040	NORTH FORK-FLATROCK/WOLF CREEKS	5.74	Miles		F			F																															
INW0753_00	05120207050030	NORTH FORK-HONEY CREEK/SQUARE RUN	9.32	Miles		F			F																															
INW0758_00	05120207050080	NORTH FORK-PLEASANT RUN/LONG BRANCH	5.77	Miles		F			F																															
INW0755_00	05120207050050	NORTH FORK-SUGAR/LEATHERWOOD CREEK	14.19	Miles		F			F																															
INW0517_00	05120205010070	NORTHEAST TRIBUTARY (LEWISVILLE)	3.56	Miles		F																																		
INW0621_00	05120206020010	OPOSSUM CREEK AND OTHER TRIBUTARYS	4.65	Miles		F																																		

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW0766_00	05120207060060	OTTER CREEK-CROOKED CREEK	24.86	Miles		F			F																															
INW0763_00	05120207060030	OTTER CREEK-FALLING TIMBERS BRANCH	10.64	Miles		F			F																															
INW0765_00	05120207060050	OTTER CREEK-HUCKLEBERRY BRANCH	11.05	Miles		F			F																															
INW0761_00	05120207060010	OTTER CREEK-LONG BRANCH	12.81	Miles		F			F																															
INW0461_00	05120204060010	PEE DEE DITCH TRIBUTARYS	8.32	Miles		F																																		
INW0637_00	05120206030070	PENTHER CREEK AND OTHER TRIBUTARYS	6.96	Miles		F																																		
INW074A_00	05120207040100	PIGEON ROOST CREEK-LOWER	14.18	Miles		F			F																															
INW0749_00	05120207040090	PIGEON ROOST-HEADWATERS	5.85	Miles		F			F																															
INW08E4_00	05120208140040	PLASTER CREEK/BARN RUN AND OTHER TRIBUTARYS	12.88	Miles		F																																		
INW08E1_T1048	05120208140010	PLASTERERS CREEK	2.40	Miles		F																																		
INW0899_T1028	05120208090090	PLEASANT RUN	7.96	Miles	1998			N					H																									19980401		
INW07B3_00	05120207110030	POND CREEK-LOWER	9.13	Miles		F																																		
INW07B2_00	05120207110020	POND CREEK-UPPER	11.62	Miles		F																																		
INW08B3_00	05120208110030	POPCORN CREEK	6.43	Miles		F			F																															
INW08E2_00	05120208140020	POPLAR/WILLOW CREEKS AND OTHER TRIBUTARYS	10.78	Miles		F																																		
INW0443_00	05120204040030	POTTS DITCH TRIBUTARYS	2.87	Miles		F			F																															
INW0735_00	05120207030050	QUICK CREEK-HARDY LAKE	6.60	Miles		F																																		
INW0718_00	05120207010080	RAMSEY CREEK	9.35	Miles	2002	F			N																														19980401	
INW0494_00	05120204090040	RAY CREEK TRIBUTARYS	4.63	Miles		F																																		
INW0436_00	05120204030060	RAYS CROSSING TRIBUTARYS	3.07	Miles		F			F																															
INW0442_00	05120204040020	RICHY DITCH TRIBUTARYS	2.56	Miles		F			F																															
INW0418_00	05120204010080	RING RUN AND OTHER TRIBUTARYS	2.44	Miles		F			F																															
INW0815_00	05120208010050	RINKERS CREEK	2.94	Miles		F																																		
INW0492_00	05120204090020	ROBERTS DITCH AND OTHER TRIBUTARYS	3.50	Miles	2002	F			N																														19980401	
INW063J_00	05120206030180	ROCK CREEK	6.89	Miles		F																																		
INW0826_00	05120208020060	ROCK LICK CREEK AND OTHER TRIBUTARYS	7.71	Miles		F																																		
INW0638_00	05120206030080	ROCK/ICE CREEK AND OTHER TRIBUTARYS	10.41	Miles		F																																		
INW0816_00	05120208010060	RUSH CREEK	7.13	Miles		F																																		
INW0526_00	05120205020060	RUSHVILLE TRIBUTARYS	6.56	Miles		F																																		
INW0886_T1026	05120208080060	SALT CREEK	0.30	Miles	1998	F			P	F										H																			20020822	
INW0893_T1025	05120208090030	SALT CREEK	0.91	Miles	1998	F			P	F										M																			20020822	
INW0894_T1023	05120208090040	SALT CREEK	5.19	Miles	1998	F			N											H																			19980401	
INW0899_T1027	05120208090090	SALT CREEK	4.83	Miles	1998	F			N											H																			19980401	
INW089B_T1029	05120208090110	SALT CREEK	4.28	Miles	1998	F			N											H																			19980401	
INW089D_T1031	05120208090130	SALT CREEK	1.05	Miles	1998	F			N											H																			19980401	
INW089C_T1030	05120208090120	SALT CREEK-DARK HOLLOW KARST AREA	9.06	Miles	1998	F			N											H																			19980401	
INW08GA_00	05120208160100	SAMS CREEK AND OTHER TRIBUTARYS	4.57	Miles		F																																		
INW063K_00	05120206030190	SAND BRANCH(CLARENCE HALL DITCH) AND OTHER TRIBUTARYS	5.07	Miles		F																																		
INW0631_T1002	05120206030010	SAND CREEK	8.43	Miles	1998	F			P											M																			19980401	
INW0632_T1003	05120206030020	SAND CREEK	5.63	Miles	1998	F			P											M																			19980401	
INW0637_T1005	05120206030070	SAND CREEK	7.45	Miles	1998	F			P											M																			19980401	
INW0638_T1006	05120206030080	SAND CREEK	3.65	Miles	1998	F			P											M																			19980401	

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SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INW0519_00	05120205010090	WIKOFF DITCH	12.23	Miles		F																																		
INW0466_00	05120204060060	WILSON DITCH TRIBUTARYS	8.67	Miles		F																																		
INW04A8_00	05140202100080	WOLF CREEK TRIBUTARYS	8.23	Miles		F																																		
INW0741_00	05120207040010	WOODS FORK-HEADWATERS	12.42	Miles		F			F																													19980401		
INW0743_00	05120207040030	WOODS FORK-LOWER	5.55	Miles		F			F																															
INW063G_00	05120206030160	WYALOOSING CREEK-BEAR/BENNET CREEKS	12.38	Miles		F																																		
INW063C_00	05120206030120	WYALOOSING CREEK-HEADWATERS	8.62	Miles		F																																		
INW063E_00	05120206030140	WYALOOSING CREEK-RAT TAIL CREEK	9.60	Miles		F																																		
INW063D_00	05120206030130	WYALOOSING CREEK-TURNOVER CREEK	10.27	Miles		F																																		
INW0856_P1017	05120208050060	YELLOWWOOD LAKE	1.33	Miles	1998	F		P											S																			19980401		
INW08P1017_00	05120208050060	YELLOWWOOD LAKE	133.00	Acre	2002			P											S																			20011228		
INW0492_T1039	05120204090020	YOUNGS CREEK	3.19	Miles	1998	F	P	N					M																									19980401		
INW0492_T1096	05120204090020	YOUNGS CREEK	4.30	Miles	1998	F	P	N					M																									19980401		
INW0493_T1040	05140202090030	YOUNGS CREEK	1.96	Miles	1998	F	P	N					M																									19980401		
INW0494_T1041	05140202090040	YOUNGS CREEK	4.14	Miles	1998	F	P	N					M																									19980401		
INW0496_T1042	05140202090050	YOUNGS CREEK	4.58	Miles	1998	F	P	F					M																									20020918		
INW0497_T1043	05140202090060	YOUNGS CREEK	4.49	Miles	1998	F	P	F					M																									20020918		

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SITE SPECIFIC WATERBODY ASSESSMENTS

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INP0924_00	05120209020040	PATOKA RIVER-DUBOIS TRIBUTARYS	5.52	Miles		F																																	
INP0916_00	05120209010060	PATOKA RIVER-DUMPLIN BRANCH	2.19	Miles		F																																	
INP0947_00	05120209040070	PATOKA RIVER-ELL CREEK TRIBUTARYS	10.56	Miles		F																																	
INP0969_00	05120209060090	PATOKA RIVER-FLAT CREEK TRIBUTARYS	17.58	Miles		F			F																														
INP0918_00	05120209010080	PATOKA RIVER-FLEMING CREEK	2.89	Miles		F																																	
INP0911_00	05120209010010	PATOKA RIVER-FUDGE CREEK	8.23	Miles		F																																	
INP0964_00	05120209060040	PATOKA RIVER-HOG BRANCH TRIBUTARYS	5.52	Miles		F																																	
INP0913_00	05120209010030	PATOKA RIVER-HOGS DEFEAT CREEK	9.96	Miles		F																																	
INP0986_00	05120209080060	PATOKA RIVER-HOUCHINS CUTOFF/INDIAN CREEK TRIBUTARYS	7.67	Miles		F			F																														
INP0965_00	05120209060050	PATOKA RIVER-LICK MILL CREEKS	8.30	Miles		F																																	
INP0926_T1004	05120209020060	PATOKA RIVER-LOND DITCH	13.13	Miles	1998			P						M																							19980401		
INP0921_00	05120209020010	PATOKA RIVER-LOST RIDGE (GAGE) TRIBUTARYS	1.94	Miles		F																																	
INP0946_00	05120209040060	PATOKA RIVER-LOWER HUNLEY CREEK TRIBUTARYS	11.62	Miles		F																																	
INP0961_00	05120209060010	PATOKA RIVER-MILLERSPORT TRIBUTARYS	2.65	Miles		F																																	
INP0919_00	05120209010090	PATOKA RIVER-PAINTER CREEK	2.98	Miles		F																																	
INP0988_00	05120209080080	PATOKA RIVER-PATOKA TO WABASH R TRIBUTARYS	2.04	Miles		F			F																														
INP0962_00	05120209060020	PATOKA RIVER-ROCK CREEK TRIBUTARYS	8.70	Miles		F																																	
INP0966_00	05120209060060	PATOKA RIVER-STONE COE CREEK TRIBUTARYS	10.38	Miles		F			F																														
INP0968_00	05120209060080	PATOKA RIVER-SUGAR CREEK TRIBUTARYS	8.53	Miles		F			F																														
INP0987_00	05120209080070	PATOKA RIVER-TRIPPET DITCH TRIBUTARYS	8.86	Miles		F			F																														
INP0985_00	05120209080050	PATOKA RIVER-YELLOW/GOOSE CREEKS TRIBUTARYS	14.68	Miles		F			F																														
INP0925_00	05120209020050	POISON CREEK-BAUER CREEK	14.81	Miles		F																																	
INP0944_00	05120209040040	SHORT CREEK	8.55	Miles		F																																	
INP0971_T1021	05120209070010	SOUTH FORK PATOKA RIVER	4.70	Miles	1998	N			F	M																											19980401		
INP0972_T1022	05120209070020	SOUTH FORK PATOKA RIVER	1.28	Miles	1998	N			F	M																												19980401	
INP0973_T1023	05120209070030	SOUTH FORK PATOKA RIVER	2.17	Miles	1998	N			F	M																												19980104	
INP0975_T1024	05120209070050	SOUTH FORK PATOKA RIVER	7.77	Miles	1998	N			F	M																												19980401	
INP0973_00	05120209070030	SOUTH FORK PATOKA R-SPURGEON TRIBUTARYS	4.11	Miles		F			F																														
INP0971_00	05120209070010	SOUTH FORK PATOKA R-UNNAMED TRIBUTARY	3.46	Miles		F			F																														
INP0975_00	05120209070050	SOUTH FORK PATOKA R-WHEELER/LICK CREEKS	7.87	Miles		F			F																														
INP0936_00	05120209030060	STRAIGHT RIVER	6.12	Miles		F																																	
INP0915_00	05120209010050	YOUNGS CREEK	6.32	Miles		F																																	

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INV0349_T1027	05090203040090	SOUTH HOGAN CREEK	2.91	Miles	2002	N			N	M																													20011211	
INE0235_00	05140202030050	SQUAW CREEK	4.03	Miles	2002	N																	M						M										20011211	
INV0339_T1024	05090203030090	TANNERS CREEK	2.36	Miles	2002	N				M																													20011211	
INV03J3_T1040	05090203180030	THURSTON CREEK	6.36	Miles	2002				N																								M						20011211	
INE01E1_00	05140201140010	TRIBUTARY TO LITTLE PIGEON CREEK	4.20	Miles		F																																		
INN04JC_00	05140104180120	TURKEY FORK	26.55	Miles					F																															
INE01EB_T1051	05140201140110	UNNAMED TRIB BARREN FORK	1.00	Miles	2002	N																M	M							M									20011211	
INE01E9_T1049	05140201140090	UNNAMED TRIB E.F. PIGEON CR	2.83	Miles		N				M																														20011211
INV036G_P1001	05090203060160	VERSAILLES LAKE	3.50	Miles	1998	F		P											S																				20011211	
INV03P1001_00	05090203060160	VERSAILLES LAKE	230.00	Acre	1998		T	P											S								T												20020123	
INN0412_00	05140104010020	WEST BRANCH-MOSQUITO CREEK	8.63	Miles		F																																		
INN0136_00	05140101030060	WEST FORK INDIAN KENTUCK- HEADWATERS	11.95	Miles	2002	P				M																														20011211
INV0348_T1025	05090203040080	WHITAKER CREEK	6.34	Miles	2002	N			N	M																														20011211
INE01E6_T1050	05140201140060	WIRES DITCH	5.27	Miles		F																																		
INN017A_00	05140101070100	YANKEE CREEK	2.79	Miles	2002				N																															20011211

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

SITE SPECIFIC WATERBODY ASSESSMENTS

Waterbody ID	Hydrologic unit code	Segment name	SIZE	Units	DRAFT YEAR 303D See App F for FINAL	Aquatic Life	Drinking Water Supply	Fish Consum	Primary Contact (Recr)	Biotic community status	Pesticides	Atrazine	PAHs	PCBs	Dioxin	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	Unionized ammonia	Cyanide	Sulfates	Other inorganics	pH	Siltation	Organic enrichment	Low DO	TDS	Chlorides	Thermal modifications	Other habitat alterations	Pathogens	Oil and grease	Taste and odor	Algal growth	Exotic species	Assess date yyyymmdd	
INK0123_00	07120001020030	YELLOW BANK CREEK - JORDAN CREEK	19.37	Miles		F																																		
INK0155_00	07120001050060	YELLOW RIVER - ARMEY DITCH - ALBERT ZEIGER DITCH	9.57	Miles	2002				N																														20020905	
INK015G_00	07120001050160	YELLOW RIVER - ELMER SELTENRIGHT DITCH	18.61	Miles		F																																		
INK0165_00	07120001060050	YELLOW RIVER - LISTENBERGER/CLIFFTON DITCHES	19.76	Miles	2002	F			N																															20010227
INK015F_00	07120001050150	YELLOW RIVER - MILNER SELTENRIGHT DITCH	16.91	Miles	2002	F			N																															20020905
INK0152_00	07120001050020	YELLOW RIVER - NEWCOMER/HERSCHBERGER DITCHES	25.02	Miles		F																																		
INK0166_00	07120001060060	YELLOW RIVER - OBER	29.31	Miles	2002	F			N																															20010227
INK0158_00	07120001050080	YELLOW RIVER - RIVERSIDE CHURCH	14.77	Miles	2002	F			N																															20020905
INK015E_00	07120001050140	YELLOW RIVER - STONE/ CREWS DITCHES	18.67	Miles		F																																		
INK016A_00	07120001060100	YELLOW RIVER-KNOX	20.80	Miles	2002	F			N																															20010227

Use support: F-full support P-partial support N-non support.
 Cause (stressor) rating: H-high M-moderate S-slight T-need more information.

APPENDIX C COMPREHENSIVE BASIN AQUATIC LIFE USE ASSESSMENT
Attainment Results Calculated Using Probabilistic Monitoring Design

PROJECT NAME	TARGET POPULATION	PROJECT ID	TYPE	SIZE	UNITS	DESIGNATED USE	ATTAIN (percent)	NOT ATTAIN (percent)	ASSESS TYPE	ASSESS QUAL	ASSESS DATE	CONFIDENCE LEVEL (percent)	CONFIDENCE INTERVAL (percent)
GREAT LAKES TRIBUTARIES	USGS REGION 04	IN-GL00	STREAMS	3996	MILES	AQUATIC LIFE	25	75	BIOLOGICAL		2001	95	11
GREAT MIAMI BASIN	USGS SUBREGION 0508	IN-GM-7	STREAMS	1625	MILES	AQUATIC LIFE	90	10	BIOLOGICAL		1999	95	16
UPPER WABASH BASIN	USGS CATALOGING UNITS 05120101 THROUGH 05120107	IN-UW-8	STREAMS	6634	MILES	AQUATIC LIFE	72	28	BIOLOGICAL		1999	95	13
LOWER WABASH BASIN	USGS CATALOGING UNITS 05120108 THROUGH 05120113	IN-RW-9	STREAMS	5307	MILES	AQUATIC LIFE	77	23	BIOLOGICAL		2001	95	12
WEST FORK WHITE BASIN	USGS CATALOGING UNITS 05120201 THROUGH 05120203	IN-WF-6	STREAMS	4274	MILES	AQUATIC LIFE	73	27	BIOLOGICAL		1999	95	15
EAST FORK WHITE BASIN	USGS CATALOGING UNITS 05120204 THROUGH 05120208	IN-EF-7	STREAMS	4856	MILES	AQUATIC LIFE	80	20	BIOLOGICAL		1999	95	14
UPPER ILLINOIS BASIN	USGS ACCOUNTING UNIT 071200	IN-UN-9	STREAMS	4012	MILES	AQUATIC LIFE	63	37	BIOLOGICAL		2001	95	15
OHIO TRIBUTARY BASINS	USGS SUBREGIONS 0509 AND 0514	IN-HT00	STREAMS	3826	MILES	AQUATIC LIFE	33	67	BIOLOGICAL		2001	95	14

Source: IDEM Biological Studies Section, Watershed Monitoring Program

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INJ01P1128_00	04050001170020	ADAMS LAKE	308	Acre	LAGRANGE CO	S	M
INW02P1115_00	05120202060010	AIRLINE LAKE	25	Acre	GREENE CO	U	M
INJ01P1185_00	04050001200020	ALLEN LAKE	6	Acre	KOSCIUSKO CO	S	E
INJ01P1104_00	04050001110080	APPLEMAN LAKE	52	Acre	LAGRANGE CO	F	M
INV03P1045_00	05090203110030	ARNOLD'S CREEK EMBAYMENT	20	Acre	OHIO CO	U	E
INB04P1029_00	05120104030020	ARNOLDS PIT	25	Acre	WHITLEY CO	U	H
INJ01P1266_00	04050001170020	ATWOOD LAKE	170	Acre	LAGRANGE CO	S	M
INA03P1013_00	04100003050050	BALL LAKE	87	Acre	STEUBEN CO	F	E
INB06P1047_00	05120106010070	BANNING LAKE	16	Acre	KOSCIUSKO CO	S	M
INJ01P1187_00	04050001200020	BARREL AND A HALF LAKE	12	Acre	KOSCIUSKO CO	S	E
INJ01P1146_00	04050001080010	BARTON LAKE	94	Acre	STEUBEN CO	I	O
INK01P1078_00	07120001070010	BASS LAKE	1440	Acre	STARKE CO	S	M
INJ01P1112_00	04050001110060	BASS LAKE	61	Acre	STEUBEN CO	I	O
INB11P1153_00	05120111160090	BASS LAKE	211	Acre	SULLIVAN CO	I	M
INB06P1048_00	05120106010030	BAUGHER LAKE	32	Acre	NOBLE CO	I	E
INW02P1067_00	05120202010030	BEAR CREEK LAKE	9	Acre	BROWN CO	S	O
INJ01P1200_00	04050001180020	BEAR LAKE	136	Acre	NOBLE CO	S	E
INP09P1029_00	05120209020070	BEAVER CREEK LAKE	173	Acre	DUBOIS CO	D	E
INB06P1078_00	05120106040050	BEAVER DAM LAKE	146	Acre	KOSCIUSKO CO	F	H
INJ01P1139_00	04050001110080	BEAVER DAM LAKE	11	Acre	STEUBEN CO	I	O
INW02P1128_00	05120202060020	BENEFIEL LAKE	60	Acre	SULLIVAN CO	U	O
INB06P1050_00	05120106010070	BIG BARBEE LAKE	304	Acre	KOSCIUSKO CO	S	E
INW04P1094_00	05120204010120	BIG BLUE NO. 3	44	Acre	RUSH CO	U	E
INW04P1074_00	05120204010050	BIG BLUE RESERVOIR NO. 13	173	Acre	HENRY CO	S	E
INW04P1089_00	05120204010090	BIG BLUE RESERVOIR NO. 7-A	40	Acre	HENRY CO	U	M
INJ01P1121_00	04050001110060	BIG BOWER LAKE	25	Acre	STEUBEN CO	F	E
INB04P1031_00	05120104020030	BIG CEDAR LAKE	131	Acre	WHITLEY CO	F	O
INB06P1070_00	05120106020030	BIG CHAPMAN LAKE	512	Acre	KOSCIUSKO CO	I	O
INB06P1049_00	05120106010010	BIG LAKE	228	Acre	NOBLE CO	F	E
INJ01P1097_00	04050001110110	BIG LONG LAKE	365	Acre	LAGRANGE CO	F	M
INJ01P1050_00	04050001090020	BIG OTTER LAKE	69	Acre	STEUBEN CO	U	M
INJ01P1102_00	04050001110100	BIG TURKEY LAKE	450	Acre	STEUBEN CO	F	E
INV03P1003_00	05090203060060	BISCHOFF RESERVOIR	200	Acre	RIPLEY CO	I	E
INJ01P1239_00	04050001170050	BIXLER LAKE	120	Acre	NOBLE CO	F	E
INB04P1036_00	05120104030030	BLACK LAKE	24	Acre	WHITLEY CO	S	H
INJ01P1130_00	04050001170020	BLACKMAN LAKE	52	Acre	LAGRANGE CO	S	M
INB04P1032_00	05120104020020	BLUE LAKE	239	Acre	WHITLEY CO	S	M
INJ01P1074_00	04050001110040	BOOTH LAKE	10	Acre	STEUBEN CO	I	M
INJ01P1227_00	04050001180010	BOWEN LAKE	30	Acre	NOBLE CO	D	H
INJ01P1168_00	04050001120080	BROKESHA LAKE	36	Acre	LAGRANGE CO	S	O
ING03P1019_00	05080003070180	BROOKVILLE RESERVOIR	5260	Acre	UNION CO	S	M
INB06P1090_00	05120106060080	BRUCE LAKE	245	Acre	FULTON CO	F	H
INW07P1015_00	05120207050070	BRUSH CREEK RESERVOIR	149	Acre	JENNINGS CO	S	E
INW01P1131_00	05120201180040	BRYANT CREEK LAKE	9	Acre	MONROE CO	S	M
INV03P1042_00	05090203150080	BRYANTS CREEK EMBAYMENT	120	Acre	SWITZERLAND CO	U	E
INJ01P1160_00	04050001120040	BUCK LAKE	18	Acre	LAGRANGE CO	S	M
INJ01P1072_00	04050001090040	BUCK LAKE	20	Acre	STEUBEN CO	S	M
INW03P1013_00	05120203060170	CAGLES MILL LAKE	1400	Acre	PUTNAM CO	I	M
INB06P1073_00	05120106030030	CALDWELL LAKE	45	Acre	KOSCIUSKO CO	F	H
INB11P1107_00	05120111060080	CANVASBACK LAKE	34	Acre	SULLIVAN CO	S	O
INJ01P1164_00	04050001140060	CASS LAKE	89	Acre	LAGRANGE CO	F	M
INB08P1067_00	05120108160110	CECIL M. HARDEN RESERVOIR	2060	Acre	PARKE CO	F	M
INJ01P1148_00	04050001090100	CEDAR LAKE	120	Acre	LAGRANGE CO	S	O
INK01P1022_00	07120001130060	CEDAR LAKE	781	Acre	LAKE CO	I	M

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INA03P1024_00	04100003070050	CEDARVILLE RESERVOIR	408	Acre	ALLEN CO	S	M
INE01P1022_00	05140201060040	CELINA LAKE	155	Acre	PERRY CO	S	O
INB06P1008_00	05120106020080	CENTER LAKE	120	Acre	KOSCIUSKO CO	I	O
INW01P1220_00	05120201180010	CHERRY LAKE	1	Acre	MONROE CO	S	O
INE01P1012_00	05140201140090	CHRISNEY LAKE	26	Acre	SPENCER CO	U	M
INB01P1032_00	05120101120050	CLARE LAKE	43	Acre	HUNTINGTON CO	D	M
INW02P1151_00	05120202060010	CLEAR LAKE	3	Acre	GREENE CO	U	O
INK01P1100_00	07120001030050	CLEAR LAKE	106	Acre	LA PORTE CO	S	O
INA03P1002_00	04100003020010	CLEAR LAKE	800	Acre	STEUBEN CO	S	O
INK01P1040_00	07120001060080	COOK LAKE	93	Acre	MARSHALL CO	F	M
INW02P1123_00	05120202060020	CORKY LAKE	12	Acre	GREENE CO	U	O
INB06P1051_00		CRANE LAKE	28	Acre	NOBLE CO	D	H
INJ01P1123_00	04050001170010	CREE LAKE	58	Acre	NOBLE CO	S	M
INW08P1075_00	05120208080010	CROOKED CREEK LAKE	34	Acre	BROWN CO	S	M
INJ01P1066_00	04050001090040	CROOKED LAKE	828	Acre	STEUBEN CO	S	M
INB06P1001_00	05120106010010	CROOKED LAKE	206	Acre	WHITLEY CO	S	M
INW07P1041_00	05120207070010	CROSLY LAKE	14	Acre	JENNINGS CO	S	O
INB06P1074_00	05120106030050	CRYSTAL LAKE	76	Acre	KOSCIUSKO CO	F	O
INE01P1015_00	05140201140010	DALE RESERVOIR	33	Acre	SPENCER CO	U	E
INJ01P1263_00	04050001170020	DALLAS LAKE	283	Acre	LAGRANGE CO	F	M
INN01P1001_00	05140101130050	DEAM LAKE	195	Acre	CLARK CO	S	O
INE01P1055_00	05140201040020	DEER CREEK LAKE	39	Acre	PERRY CO	U	E
INJ01P1180_00	04050001200040	DEWART LAKE	551	Acre	KOSCIUSKO CO	I	M
INB06P1079_00	05120106040050	DIAMOND LAKE	79	Acre	KOSCIUSKO CO	I	E
INJ01P1274_00	04050001180060	DIAMOND LAKE	105	Acre	NOBLE CO	F	M
INK01P1070_00	07120001050060	DIPPER LAKE	9	Acre	ST JOSEPH CO	U	U
INK01P1076_00	07120001060010	DIXON LAKE	33	Acre	MARSHALL CO	S	M
INJ01P1228_00	04050001180010	DOCK LAKE	16	Acre	NOBLE CO	D	H
INW08P1016_00	05120208170060	DOGWOOD LAKE	1313	Acre	DAVISS CO	F	M
INW02P1112_00	05120202060010	DOWNING LAKE	32	Acre	SULLIVAN CO	U	O
INB11P1158_00	05120111160090	DUCK LAKE	59	Acre	SULLIVAN CO	S	O
INJ01P1197_00	04050001200010	DUELY LAKE	21	Acre	NOBLE CO	F	E
INW01P1069_00	05120201120100	EAGLE CREEK RESERVOIR	1350	Acre	MARION CO	U	E
INJ01P1275_00	04050001180060	EAGLE LAKE	81	Acre	NOBLE CO	S	E
INJ01P1284_00	04050001140010	EMMA LAKE	42	Acre	LAGRANGE CO	S	M
INJ01P1273_00	04050001190010	ENGLE LAKE	48	Acre	NOBLE CO	S	M
INJ01P1129_00	04050001170020	EVE LAKE	31	Acre	LAGRANGE CO	U	O
INB04P1030_00	05120104010020	EVERETT LAKE	43	Acre	ALLEN CO	I	E
INJ01P1052_00	04050001090020	FAILING LAKE	23	Acre	STEUBEN CO	S	M
INP09P1040_00	05120209040020	FERDINAND OLD LAKE	15	Acre	DUBOIS CO	S	M
INE01P1017_00	05140201070050	FERDINAND STATE FOREST LAKE	42	Acre	DUBOIS CO	S	E
INE01P1018_00	05140201070060	FERDINAND WATER SUPPLY LAKE	13	Acre	DUBOIS CO	U	E
INJ01P1285_00	04050001190030	FISH LAKE	34	Acre	ELKHART CO	S	E
INJ01P1133_00	04050001120030	FISH LAKE	100	Acre	LAGRANGE CO	F	E
INJ01P1041_00	04050001090010	FISH LAKE	59	Acre	STEUBEN CO	F	E
INK01P1075_00	07120001060070	FLAT LAKE	26	Acre	MARSHALL CO	S	M
INB06P1091_00	05120106090020	FLETCHER LAKE	45	Acre	FULTON CO	I	M
INK01P1089_00	07120001090060	FLINT LAKE	89	Acre	PORTER CO	F	M
INB11P1075_00	05120111060040	FOWLER PARK LAKE	47	Acre	VIGO CO	F	M
INJ01P1075_00	04050001110040	FOX LAKE	142	Acre	STEUBEN CO	F	M
INP09P1059_00	05120209060020	FRANK LAKE	7	Acre	PIKE CO	U	M
INW02P1110_00	05120202060010	GAMBILL LAKE	12	Acre	SULLIVAN CO	U	O
INW01P1048_00	05120201100150	GEIST RESERVOIR	1478	Acre	MARION CO	F	M
INN04P1013_00	05140104080090	GEORGETOWN LAKE	11	Acre	FLOYD CO	U	M

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INB13P1040_00	05120113050020	GIBSON GENERATING PLANT LAKE	3200	Acre	GIBSON CO	S	M
INK01P1074_00	07120001060070	GILBERT LAKE	37	Acre	MARSHALL CO	S	E
INB06P1052_00	05120106010030	GILBERT LAKE	28	Acre	NOBLE CO	I	O
INW03P1038_00	05120203030010	GLENN FLINT LAKE	379	Acre	PUTNAM CO	U	M
INJ01P1118_00	04050001110060	GOLDEN LAKE	119	Acre	STEUBEN CO	S	E
INV03P1044_00	05090203150010	GOOSE CREEK EMBAYMENT	47	Acre	SWITZERLAND CO	U	H
INB06P1075_00	05120106020080	GOOSE LAKE	27	Acre	KOSCIUSKO CO	D	E
INB11P1154_00	05120111160090	GOOSE LAKE	72	Acre	SULLIVAN CO	S	E
INB11P1094_00	05120111060070	GOOSE LAKE	33	Acre	SULLIVAN CO	S	O
INB06P1053_00	05120106010020	GOOSE LAKE	84	Acre	WHITLEY CO	S	E
INJ01P1196_00	04050001200010	GORDY LAKE	31	Acre	NOBLE CO	S	E
INJ01P1278_00	04050001210010	GOSHEN POND	142	Acre	ELKHART CO	I	M
INW02P1160_00	05120202060020	GRAVEYARD LAKE	48	Acre	GREENE CO	U	M
INJ01P1105_00	04050001110080	GREEN LAKE	62	Acre	STEUBEN CO	I	M
INJ01P1048_00	04050001090020	GREEN LAKE	24	Acre	STEUBEN CO	U	U
INB11P1042_00	05120111050050	GREEN VALLEY MINE POND	40	Acre	VIGO CO	F	M
INW06P1030_00	05120206030030	GREENSBURG RESERVOIR	23	Acre	DECATUR CO	S	H
INW02P1062_00	05120202050050	GREENWOOD LAKE	810	Acre	MARTIN CO	U	O
INW02P1079_00	05120202010070	GRIFFY RESERVOIR	130	Acre	MONROE CO	I	O
INW06P1053_00	05120206050010	GROUSE RIDGE LAKE	30	Acre	BARTHOLOMEW CO	S	M
INJ01P1262_00	04050001170030	HACKENBURG LAKE	42	Acre	LAGRANGE CO	F	M
INW02P1161_00	05120202060020	HALE LAKE	15	Acre	SULLIVAN CO	U	M
INA03P1011_00	04100003050040	HAMILTON LAKE	802	Acre	STEUBEN CO	F	M
INJ01P1184_00	04050001200020	HAMMOND LAKE	12	Acre	KOSCIUSKO CO	S	E
INJ01P1192_00	04050001200010	HARPER LAKE	11	Acre	NOBLE CO	S	M
INB06P1087_00	05120106060030	HARTZ LAKE	28	Acre	STARKE CO	I	O
INJ01P1173_00	04050001150040	HEATON LAKE	87	Acre	ELKHART CO	S	M
INJ01P1240_00	04050001170050	HENDERSON LAKE	22	Acre	NOBLE CO	F	M
INJ01P1103_00	04050001110100	HENRY LAKE	20	Acre	STEUBEN CO	D	H
INJ01P1199_00	04050001180020	HIGH LAKE	123	Acre	NOBLE CO	F	H
INB06P1080_00	05120106040050	HILL LAKE	67	Acre	KOSCIUSKO CO	S	E
INJ01P1195_00	04050001200010	HINDMAN LAKE	13	Acre	NOBLE CO	F	E
INB06P1076_00	05120106030060	HOFFMAN LAKE	180	Acre	KOSCIUSKO CO	F	E
INJ01P1147_00	04050001080010	HOG LAKE	48	Acre	STEUBEN CO	S	O
INJ01P1114_00	04050001110060	HOGBACK LAKE	146	Acre	STEUBEN CO	F	H
INK01P1039_00	07120001060080	HOLEM LAKE	40	Acre	MARSHALL CO	S	M
INE01P1021_00	05140201140040	HOLLAND LAKE 1	17	Acre	DUBOIS CO	D	H
INE01P1054_00	05140201140040	HOLLAND LAKE 2	20	Acre	DUBOIS CO	D	E
INB02P1009_00	05120102040080	HOMINY RIDGE LAKE	11	Acre	WABASH CO	S	O
INB06P1054_00	05120106010030	HORSESHOE LAKE	18	Acre	NOBLE CO	S	E
INE02P1017_00	05140202070080	HOVEY LAKE	242	Acre	POSEY CO	F	M
INK01P1051_00	07120001010040	HUDSON LAKE	432	Acre	LA PORTE CO	S	O
INP09P1041_00	05120209040070	HUNTINGBURG LAKE	181	Acre	DUBOIS CO	S	M
INJ01P1171_00	04050001130020	INDIANA LAKE	122	Acre	ELKHART CO	S	M
INB06P1055_00	05120106010070	IRISH LAKE	182	Acre	KOSCIUSKO CO	I	M
INB11P1109_00	05120111160080	ISLAND LAKE	48	Acre	SULLIVAN CO	S	M
INB11P1061_00	05120111040050	IZAAK WALTON LAKE	83	Acre	VIGO CO	S	M
INB11P1162_00	05120111160060	J - (PIT) LAKE	10	Acre	SULLIVAN CO	U	O
INB01P1008_00	05120101090010	J. EDWARD ROUSH LAKE	900	Acre	HUNTINGTON CO	F	M
INB06P1056_00	05120106010080	JAMES LAKE	282	Acre	KOSCIUSKO CO	I	M
INJ01P1039_00	04050001090030	JIMMERSON LAKE	434	Acre	STEUBEN CO	F	M
INW08P1051_00	05120208010050	JOHN HAYS LAKE	210	Acre	WASHINGTON CO	S	M
INJ01P1257_00	04050001170040	JONES LAKE	114	Acre	NOBLE CO	S	H
INB11P1088_00	05120111060050	KICKAPOO LAKE	30	Acre	SULLIVAN CO	S	M

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INB06P1088_00	05120106060020	KING LAKE	18	Acre	FULTON CO	F	E
INB06P1057_00	05120106010040	KISER LAKE	5	Acre	NOBLE CO	S	O
INJ01P1193_00	04050001200010	KNAPP LAKE	88	Acre	NOBLE CO	S	E
INB07P1003_00	05120107010090	KOKOMO RESERVOIR 2	484	Acre	HOWARD CO	I	M
INK01P1036_00	07120001040010	KOONTZ LAKE	346	Acre	STARKE CO	F	M
INK01P1041_00	07120001060080	KREIGHBAUM LAKE	20	Acre	MARSHALL CO	S	M
INB06P1058_00	05120106010070	KUHN LAKE	137	Acre	KOSCIUSKO CO	F	O
INB01P1038_00	05120101060040	KUNKEL LAKE	45	Acre	WELLS CO	F	M
INB05P1018_00	05120104010040	LAKE CICOTT	65	Acre	CASS CO	S	M
INK01P1088_00	07120001090110	LAKE ELIZA	45	Acre	PORTER CO	S	E
INB06P1092_00	05120106140020	LAKE FREEMAN	1547	Acre	CARROLL CO	F	M
INJ01P1065_00	04050001090040	LAKE GAGE	332	Acre	STEUBEN CO	S	M
INC01P1007_00	04040001030060	LAKE GEORGE	270	Acre	LAKE CO	U	E
INJ01P1044_00	04050001090010	LAKE GEORGE	488	Acre	STEUBEN CO	S	O
INB10P1019_00	05120110050070	LAKE HOLIDAY	327	Acre	MONTGOMERY CO	U	M
INJ01P1038_00	04050001090030	LAKE JAMES	1034	Acre	STEUBEN CO	S	M
INW02P1003_00	05120202010040	LAKE LEMON	1650	Acre	MONROE CO	S	M
INE01P1034_00	05140201140030	LAKE LINCOLN	58	Acre	SPENCER CO	S	O
INB06P1016_00	05120106050020	LAKE MANITOU	1156	Acre	FULTON CO	S	E
INB06P1019_00	05120106060010	LAKE MAXINKUCKEE	1854	Acre	MARSHALL CO	S	M
INK01P1073_00	07120001050090	LAKE OF THE WOODS	416	Acre	MARSHALL CO	S	E
INJ01P1093_00	04050001110110	LAKE OF THE WOODS	136	Acre	STEUBEN CO	D	H
INB03P1031_00	05120103040030	LAKE PLACID	19	Acre	BLACKFORD CO	S	M
INJ01P1145_00	04050001080010	LAKE PLEASANT	424	Acre	STEUBEN CO	I	M
INN04P1029_00	05140104120040	LAKE SALINDIA	85	Acre	WASHINGTON CO	I	M
INB06P1033_00	05120106120110	LAKE SHAFER	1281	Acre	WHITE CO	S	M
INB11P1092_00	05120111060080	LAKE SULLIVAN	460	Acre	SULLIVAN CO	F	M
INJ01P1023_00	04050001200020	LAKE WAWASEE	3410	Acre	KOSCIUSKO CO	S	M
INB06P1089_00	05120106060030	LANGENBAUM LAKE	48	Acre	PULASKI CO	S	M
INB04P1037_00	05120104030040	LARWILL LAKE	9	Acre	WHITLEY CO	S	E
INJ01P1251_00	04050001170060	LATTA LAKE	42	Acre	NOBLE CO	S	M
INK01P1037_00	07120001060080	LAWRENCE LAKE	69	Acre	MARSHALL CO	S	M
INB11P1087_00	05120111060050	LENAPE LAKE	60	Acre	GREENE CO	S	E
INK01P1033_00	07120001030050	LILY LAKE	16	Acre	LA PORTE CO	S	O
INJ01P1062_00	04050001090040	LIME LAKE	30	Acre	STEUBEN CO	S	O
INB06P1035_00	05120106010070	LITTLE BARBEE LAKE	74	Acre	KOSCIUSKO CO	S	E
INJ01P1294_00	04050001200010	LITTLE BAUSE LAKE	7	Acre	NOBLE CO	U	M
INJ01P1078_00	04050001110040	LITTLE BOWER LAKE	12	Acre	STEUBEN CO	S	E
INB04P1033_00	05120104020030	LITTLE CEDAR LAKE	45	Acre	WHITLEY CO	S	E
INB06P1071_00	05120106020030	LITTLE CHAPMAN LAKE	177	Acre	KOSCIUSKO CO	D	E
INB06P1059_00	05120106010010	LITTLE CROOKED LAKE	13	Acre	WHITLEY CO	F	M
INJ01P1051_00	04050001090020	LITTLE OTTER LAKE	34	Acre	STEUBEN CO	F	E
INB06P1072_00	05120106020040	LITTLE PIKE LAKE	25	Acre	KOSCIUSKO CO	S	M
INJ01P1101_00	04050001110110	LITTLE TURKEY LAKE	135	Acre	LAGRANGE CO	S	E
INJ01P1086_00	04050001110090	LITTLE TURKEY LAKE	58	Acre	STEUBEN CO	S	H
INJ01P1232_00	04050001180010	LONG LAKE	40	Acre	NOBLE CO	S	E
INK01P1091_00	07120001090060	LONG LAKE	65	Acre	PORTER CO	I	M
INJ01P1080_00	04050001110040	LONG LAKE	92	Acre	STEUBEN CO	S	E
INA03P1006_00	04100003030020	LONG LAKE	154	Acre	STEUBEN CO	F	M
INB11P1157_00	05120111160090	LONG LAKE	38	Acre	SULLIVAN CO	S	O
INB04P1038_00	05120104050010	LONG LAKE	48	Acre	WABASH CO	S	E
INC01P1016_00	04040001050040	LOOMIS LAKE	62	Acre	PORTER CO	S	M
INB06P1081_00	05120106040050	LOON LAKE	40	Acre	KOSCIUSKO CO	F	E
INJ01P1068_00	04050001090040	LOON LAKE	138	Acre	STEUBEN CO	I	O

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INB11P1095_00	05120111060070	LOON LAKE	51	Acre	SULLIVAN CO	U	O
INB06P1060_00	05120106010020	LOON LAKE	222	Acre	WHITLEY CO	S	E
INB06P1154_00	05120106060010	LOST LAKE	43	Acre	MARSHALL CO	U	U
INK01P1060_00	07120001010130	LOWER FISH LAKE	134	Acre	LA PORTE CO	S	O
INJ01P1208_00	04050001180050	LOWER LONG LAKE	66	Acre	NOBLE CO	S	E
INB04P1039_00	05120104050050	LUKENS LAKE	46	Acre	WABASH CO	S	E
ING03P1037_00	05080003040020	MANLOVE LAKE	15	Acre	FAYETTE CO	U	E
INJ01P1037_00	04050001090020	MARSH LAKE	56	Acre	STEUBEN CO	I	M
INJ01P1270_00	04050001170030	MARTIN LAKE	26	Acre	LAGRANGE CO	S	M
INW02P1162_00	05120202060020	MAYFIELD LAKE	15	Acre	GREENE CO	U	O
INJ01P1091_00	04050001110110	MCCLISH LAKE	35	Acre	STEUBEN CO	D	H
INJ01P1261_00	04050001170030	MESSICK LAKE	68	Acre	LAGRANGE CO	F	M
INJ01P1150_00	04050001090100	METEER LAKE	18	Acre	LAGRANGE CO	S	O
ING03P1012_00	05080003070040	MIDDLE FORK RESERVOIR	161	Acre	WAYNE CO	F	M
INK01P1115_00	07120001060080	MILL POND	136	Acre	MARSHALL CO	F	M
INJ01P1222_00	04050001180030	MILLER LAKE	11	Acre	NOBLE CO	D	H
INB03P1022_00	05120103060090	MISSISSINAWA RESERVOIR	3180	Acre	MIAMI CO	F	O
INB11P1091_00	05120111060070	MOHAWK LAKE	112	Acre	SULLIVAN CO	S	M
INW03P1009_00	05090203060060	MOLLENKRAMER RESERVOIR	93	Acre	RIPLEY CO	F	E
INJ01P1136_00	04050001110120	MONGO RESERVOIR	125	Acre	LAGRANGE CO	S	M
INW08P1024_00	05120208170060	MONROE RESERVOIR (LOWER)	6863	Acre	MONROE CO	F	M
INW08P1140_00	05120208080040	MONROE RESERVOIR (UPPER)	3887	Acre	MONROE CO	F	M
INW06P1039_00	05120206030060	MORRISON POND	18	Acre	DECATUR CO	U	E
INW01P1036_00	05120201080110	MORSE RESERVOIR	1800	Acre	HAMILTON CO	S	M
INB01P1039_00	05120101110020	MOSER LAKE	46	Acre	WELLS CO	F	M
INJ01P1194_00	04050001200010	MOSS LAKE	10	Acre	NOBLE CO	D	M
INJ01P1126_00	04050001170020	MUD LAKE	8	Acre	NOBLE CO	D	H
INJ01P1081_00	04050001110050	MUD LAKE	16	Acre	STEUBEN CO	I	M
INK01P1038_00	07120001060080	MYERS LAKE	96	Acre	MARSHALL CO	S	M
INW02P1094_00	05120202060010	NARROW LAKE	9	Acre	SULLIVAN CO	U	H
INJ01P1155_00	04050001120010	NASBY RESERVOIR	31	Acre	LAGRANGE CO	S	M
INJ01P1220_00	04050001180030	NORMAN LAKE	14	Acre	NOBLE CO	S	E
INK01P1055_00	07120001010050	NORTH CHAIN LAKE	88	Acre	ST JOSEPH CO	I	O
INB11P1060_00	05120111040050	NORTH LAKE	20	Acre	VIGO CO	S	M
INB04P1040_00	05120104050020	NORTH LITTLE LAKE	12	Acre	KOSCIUSKO CO	I	M
INJ01P1157_00	04050001120050	NORTH TWIN LAKE	135	Acre	LAGRANGE CO	I	O
INB06P1085_00	05120106050050	NYONA LAKE	104	Acre	FULTON CO	I	E
INN01P1038_00	05140101140040	OAK LAKE	10	Acre	CLARK CO	S	O
INW08P1094_00	05120208050070	OGLE LAKE	20	Acre	BROWN CO	S	M
INB06P1062_00	05120106010020	OLD LAKE	32	Acre	WHITLEY CO	I	M
INJ01P1026_00	04050001170030	OLIN LAKE	103	Acre	LAGRANGE CO	S	M
INJ01P1025_00	04050001170030	OLIVER LAKE	394	Acre	LAGRANGE CO	F	O
INJ01P1152_00	04050001120010	ONTARIO MILLPOND	42	Acre	LAGRANGE CO	S	M
INB06P1063_00	05120106010080	OSWEGO LAKE	83	Acre	KOSCIUSKO CO	S	M
INB06P1077_00	05120106030040	PALESTINE LAKE	290	Acre	KOSCIUSKO CO	I	E
INP09P1001_00	05120209020110	PATOKA RESERVOIR	8880	Acre	DUBOIS CO	D	M
INJ01P1159_00	04050001120050	PIGEON LAKE	61	Acre	LAGRANGE CO	F	E
INJ01P1042_00	04050001110020	PIGEON LAKE	61	Acre	STEUBEN CO	F	E
INB06P1005_00	05120106020040	PIKE LAKE	203	Acre	KOSCIUSKO CO	F	M
INK01P1035_00	07120001030050	PINE LAKE	564	Acre	LA PORTE CO	I	O
INB11P1096_00	05120111060070	PINTAIL LAKE	4	Acre	SULLIVAN CO	S	O
INK01P1068_00	07120001050060	PLEASANT LAKE	29	Acre	ST JOSEPH CO	F	M
INJ01P1082_00	04050001110040	PLEASANT LAKE	53	Acre	STEUBEN CO	F	M
INW01P1173_00	05120201010110	PRAIRIE CREEK RESERVOIR	1275	Acre	DELAWARE CO	F	M

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INJ01P1098_00	04050001110110	PRETTY LAKE	184	Acre	LAGRANGE CO	F	M
INK01P1077_00	07120001060010	PRETTY LAKE	97	Acre	MARSHALL CO	S	M
INW02P1096_00	05120202100020	PRIDES CREEK LAKE	90	Acre	PIKE CO	S	E
INB11P1155_00	05120111160090	PUMP LAKE	22	Acre	SULLIVAN CO	S	O
INW02P1098_00	05120202060010	RESERVOIR NUMBER 26	47	Acre	GREENE CO	S	M
INW02P1097_00	05120202060020	RESERVOIR NUMBER 29	85	Acre	GREENE CO	U	O
INK01P1069_00	07120001050060	RIDDLES LAKE	77	Acre	ST JOSEPH CO	F	M
INJ01P1296_00	04050001200010	RIDER LAKE	5	Acre	NOBLE CO	F	E
INB06P1064_00	05120106010060	RIDINGER LAKE	136	Acre	KOSCIUSKO CO	I	E
INJ01P1223_00	04050001180010	RIVIR LAKE	24	Acre	NOBLE CO	D	H
INB06P1065_00	05120106010060	ROBINSON LAKE	59	Acre	WHITLEY CO	S	E
INB06P1082_00	05120106040100	ROCK LAKE	56	Acre	KOSCIUSKO CO	F	E
INB08P1079_00	05120108180060	ROCKVILLE LAKE	100	Acre	PARKE CO	F	E
INJ01P1186_00	04050001200020	ROTHENBERGER LAKE	6	Acre	KOSCIUSKO CO	I	M
INA03P1003_00	04100003020020	ROUND LAKE	30	Acre	STEUBEN CO	I	O
INB04P1053_00	05120104050010	ROUND LAKE	48	Acre	WABASH CO	S	E
INB04P1034_00	05120104020030	ROUND LAKE	131	Acre	WHITLEY CO	S	E
INJ01P1132_00	04050001120030	ROYER LAKE	69	Acre	LAGRANGE CO	S	E
INJ01P1238_00	04050001170070	SACARIDER LAKE	33	Acre	NOBLE CO	F	M
INB02P1007_00	05120102040080	SALAMONIE RESERVOIR	2855	Acre	WABASH CO	F	M
INJ01P1063_00	04050001090040	SALLY OWEN LAKE	12	Acre	STEUBEN CO	I	O
INJ01P1226_00	04050001180010	SAND LAKE	47	Acre	NOBLE CO	D	H
INK01P1050_00	07120001010040	SAUGANY LAKE	74	Acre	LA PORTE CO	U	U
INB06P1066_00	05120106010070	SAWMILL LAKE	74	Acre	KOSCIUSKO CO	F	M
INE01P1040_00	05140201150020	SCALES LAKE	66	Acre	WARRICK CO	S	O
INN01P1010_00	05140101140040	SCHLAMM LAKE	19	Acre	CLARK CO	F	O
INW02P1119_00	05120202060010	SCOTT LAKE	12	Acre	GREENE CO	U	M
INB06P1067_00	05120106010070	SECHRIST LAKE	105	Acre	KOSCIUSKO CO	F	M
INB06P1045_00	05120106020050	SELLERS LAKE	32	Acre	KOSCIUSKO CO	U	E
INB11P1086_00	05120111060050	SHAKAMAK LAKE	56	Acre	SULLIVAN CO	F	O
INW02P1152_00	05120202060020	SHAKE 1	6	Acre	GREENE CO	U	O
INW02P1153_00	05120202060020	SHAKE 2	5	Acre	GREENE CO	U	O
INJ01P1022_00	04050001120070	SHIPSHEWANA LAKE	202	Acre	LAGRANGE CO	I	E
INJ01P1189_00	04050001200020	SHOCK LAKE	37	Acre	KOSCIUSKO CO	S	E
INJ01P1122_00	04050001170010	SHOCKAPEE LAKE	21	Acre	NOBLE CO	S	E
INB04P1035_00	05120104020030	SHRINER LAKE	93	Acre	WHITLEY CO	S	M
INB04P1050_00	05120104050020	SILVER LAKE	102	Acre	KOSCIUSKO CO	S	E
INJ01P1115_00	04050001110060	SILVER LAKE	238	Acre	STEUBEN CO	F	O
INJ01P1174_00	04050001150050	SIMONTON LAKE	303	Acre	ELKHART CO	F	O
INJ01P1236_00	04050001180040	SKINNER LAKE	125	Acre	NOBLE CO	S	E
INB06P1068_00	05120106010030	SMALLEY LAKE	69	Acre	NOBLE CO	S	E
INJ01P1036_00	04050001090020	SNOW LAKE	421	Acre	STEUBEN CO	F	M
INW02P1159_00	05120202060020	SOUTH LAKE	10	Acre	SULLIVAN CO	U	M
INB11P1064_00	05120111070030	SOUTH LAKE	45	Acre	VIGO CO	S	M
INB06P1086_00	05120106050050	SOUTH MUD LAKE	94	Acre	FULTON CO	S	E
INJ01P1158_00	04050001120050	SOUTH TWIN LAKE	116	Acre	LAGRANGE CO	S	O
INJ01P1276_00	04050001190010	SPARTA LAKE	31	Acre	NOBLE CO	F	M
INJ01P1188_00	04050001200020	SPEAR LAKE	40	Acre	KOSCIUSKO CO	S	E
INC01P1039_00	04040001050040	SPECTACLE LAKE	10	Acre	PORTER CO	S	E
INW08P1113_00	05120208020050	SPRING MILL LAKE	23	Acre	LAWRENCE CO	S	M
INW08P1109_00	05120208160070	SPRINGS VALLEY NO. F-7 (TUCKER)	141	Acre	ORANGE CO	S	M
INA03P1044_00	04100003100040	ST. JOSEPH RESERVOIR	30	Acre	ALLEN CO	S	M
INW07P1027_00	05120207110060	STARVE HOLLOW LAKE	145	Acre	JACKSON CO	U	E
INJ01P1107_00	04050001110080	STAYNER LAKE	5	Acre	STEUBEN CO	I	O

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

APPENDIX D LAKE TROPHIC STATUS AND TRENDS

September 24, 2002

WATERBODY ID	HYDROLOGIC UNIT CODE	NAME	SIZE	UNIT	COUNTY	TREND	TROPHIC STATUS
INJ01P1259_00	04050001170070	STEINBARGER LAKE	73	Acre	NOBLE CO	S	E
INB11P1163_00	05120111160070	STICK-UP LAKE	6	Acre	SULLIVAN CO	U	M
INK01P1031_00	07120001030050	STONE LAKE	125	Acre	LA PORTE CO	S	M
INJ01P1169_00	04050001120080	STONE LAKE	116	Acre	LAGRANGE CO	F	O
INW08P1104_00	05120208070020	STRAHL LAKE	20	Acre	BROWN CO	S	O
INW04P1051_00	05120204010010	SUMMIT LAKE	835	Acre	HENRY CO	S	O
INJ01P1248_00	04050001170060	SYLVAN LAKE	630	Acre	NOBLE CO	F	H
INJ01P1182_00	04050001200020	SYRACUSE LAKE	414	Acre	KOSCIUSKO CO	S	O
INJ01P1295_00	04050001170070	TAMARACK LAKE	50	Acre	NOBLE CO	F	E
INB11P1108_00	05120111160080	TEAL LAKE	6	Acre	SULLIVAN CO	U	M
INB06P1046_00	05120106010040	THE BACKWATERS	140	Acre	KOSCIUSKO CO	S	M
INK01P1045_00	07120001060080	THOMAS LAKE	16	Acre	MARSHALL CO	I	O
INB06P1002_00	05120106010080	TIPPECANOE LAKE	768	Acre	KOSCIUSKO CO	F	O
INW02P1154_00	05120202060020	TODD LAKE	8	Acre	GREENE CO	U	O
INB06P1069_00	05120106010050	TROY CEDAR LAKE	93	Acre	WHITLEY CO	S	E
INV03P1041_00	05090203150090	TURTLE CREEK EMBAYMENT	12	Acre	SWITZERLAND CO	U	M
INB11P1028_00	05120111150020	TURTLE CREEK RESERVOIR	1556	Acre	SULLIVAN CO	S	M
INB11P1156_00	05120111160090	TURTLE LAKE	22	Acre	SULLIVAN CO	S	O
INW02P1127_00	05120202060020	TWIN LAKE	12	Acre	SULLIVAN CO	S	O
INP09P1055_00	05120209060080	TWIN PITS EAST	31	Acre	PIKE CO	U	O
INP09P1054_00	05120209060080	TWIN PITS WEST	15	Acre	PIKE CO	U	E
INK01P1059_00	07120001010130	UPPER FISH LAKE	139	Acre	LA PORTE CO	S	O
INJ01P1088_00	04050001110090	UPPER STORY LAKE	36	Acre	DEKALB CO	U	M
INV03P1001_00	05090203060160	VERSAILLES LAKE	230	Acre	RIPLEY CO	F	E
INJ01P1198_00	04050001200010	VILLAGE LAKE	11	Acre	NOBLE CO	I	E
INJ01P1258_00	04050001170070	WALDRON LAKE	216	Acre	NOBLE CO	D	H
INJ01P1140_00	04050001090060	WALL LAKE	141	Acre	LAGRANGE CO	S	M
INW02P1118_00	05120202060010	WAMPLER LAKE	70	Acre	GREENE CO	D	M
INJ01P1058_00	04050001090040	WARNER LAKE	17	Acre	STEUBEN CO	D	E
INJ01P1024_00	04050001200040	WAUBEE LAKE	127	Acre	KOSCIUSKO CO	S	M
INB08P1069_00	05120108180010	WAVELAND LAKE	358	Acre	MONTGOMERY CO	S	M
INB06P1034_00	05120106010040	WEBSTER LAKE	774	Acre	KOSCIUSKO CO	U	E
INW08P1112_00	05120208130050	WEST BOGGS LAKE	621	Acre	MARTIN CO	D	H
INJ01P1106_00	04050001110070	WEST OTTER LAKE	118	Acre	STEUBEN CO	F	M
INJ01P1264_00	04050001170020	WESTLER LAKE	88	Acre	LAGRANGE CO	F	E
INB11P1159_00	05120111200010	WHITE OAK LAKE 1	20	Acre	KNOX CO	I	E
INB11P1160_00	05120111200010	WHITE OAK LAKE 2	11	Acre	KNOX CO	S	M
ING03P1028_00	05080003070130	WHITewater LAKE	199	Acre	UNION CO	D	H
INJ01P1124_00	04050001170060	WIBLE LAKE	49	Acre	NOBLE CO	S	H
INB06P1007_00	05120106020060	WINONA LAKE	562	Acre	KOSCIUSKO CO	S	E
INJ01P1267_00	04050001170020	WITMER LAKE	204	Acre	LAGRANGE CO	F	E
INC01P1019_00	04040001020010	WOLF LAKE	385	Acre	LAKE CO	U	E
INK01P1066_00	07120001020040	WORSTER LAKE	247	Acre	ST JOSEPH CO	S	M
INJ01P1191_00	04050001200020	WYLAND LAKE	5	Acre	KOSCIUSKO CO	U	M
INJ01P1277_00	04050001210050	YELLOW CREEK LAKE	16	Acre	ELKHART CO	F	H
INB06P1083_00	05120106040050	YELLOW CREEK LAKE	151	Acre	KOSCIUSKO CO	I	E
INW08P1017_00	05120208050060	YELLOWWOOD LAKE	133	Acre	BROWN CO	F	O

Trophic status: O-oligotrophic M-mesotrophic E-eutrophic

H-hypereutrophic U-unknown

Trophic trend: I-improving S-stable F-fluctuating

D-degrading U-unknown

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05140201	05140201140020	INE01E2_T1048	INE01E2	T1048	N. F. LITTLE PIGEON CR AND TRIB	5.6	3306	2002	M	N20,X21,X42	Impaired Biotic Communities	403	2002
05140201	05140201140030	INE01E3_T1044	INE01E3	T1044	LITTLE PIGEON CREEK	3.3	2939	1998	M	N20,X21,X42	Low Dissolved Oxygen	202	1998
05140201	05140201140060	INE01E6_T1001	INE01E6	T1001	LITTLE PIGEON CREEK	2.76	2523	1998	M	N20,X21,X42	Low Dissolved Oxygen	202	1998
05140201	05140201140090	INE01E9_T1002	INE01E9	T1002	LITTLE PIGEON CREEK	1.72	2524	1998	M	N20,X21,X42	Low Dissolved Oxygen	202	1998
05140201	05140201140100	INE01EA_T1003	INE01EA	T1003	LITTLE PIGEON CREEK	3.72	2525	1998	M	N20,X21,X42	Low Dissolved Oxygen	202	1998
05140201	05140201150020	INE01F2_00	INE01F2	00	OTTER CREEK (LOWER)	8.44	3323	2002	M	N20,X21,X42	Sulfates, TDS	402	2002
05140201	05140201150020	INE01F2_T1004	INE01F2	T1004	LITTLE PIGEON CREEK	8.19	2526	1998	M	N20,N42,X21	TDS, Pathogens	202	1998
05140201	05140201150050	INE01F5_T1005	INE01F5	T1005	LITTLE PIGEON CREEK	4.98	2527	1998	M	N20,X21,X42	Sulfates, TDS	202	1998
05140201	05140201150060	INE01F6_T1006	INE01F6	T1006	LITTLE PIGEON CREEK-RED BUSH	3.87	3018	1998	M	N20,X21,X42	Low Dissolved Oxygen	202	1998
05140201	05140201150080	INE01F8_T1007	INE01F8	T1007	LITTLE PIGEON CREEK	5.87	2529	1998	M	N20,X21,P42	Impaired Biotic Communities, Sulfates, TDS, Pathogens	202	1998
05140201	05140201160010	INE01G1_T1008	INE01G1	T1008	CYPRESS CREEK	5.94	2530	1998	M	N20,N42,X21	Sulfates, TDS, Pathogens	200	1996
05140201	05140201160020	INE01G2_T1009	INE01G2	T1009	CYPRESS CREEK	5.67	2531	2002	M	N20,N42,X21	Sulfates, TDS, Pathogens	200	1996
05140201	05140201140040	INE01P1021_00	INE01P1021	00	HOLLAND LAKE 1	17	3059	2002	M	P50,X20,X21,X42	Taste and Odor, Algal Growth	479	2002
05140201	05140201140040	INE01P1054_00	INE01P1054	00	HOLLAND LAKE 2	20	3060	2002	M	P50,X20,X21,X42	Taste and Odor, Algal Growth	480	2002
05140202	05140202020070	INE0227_T1030	INE0227	T1030	SMITH FORK	1.61	3330	2002	M	N20,X21,X42	Impaired Biotic Communities, Sulfates, TDS	411	2002
05140202	05140202030050	INE0235_00	INE0235	00	SQUAW CREEK	4.03	3331	2002	M	N20,X21,X42	Sulfates, TDS	410	2002
05140202	05140202040010	INE0241_T1001	INE0241	T1001	PIGEON CREEK	0.92	2533	1998	E	N20,P21,X42	PCBs	206	1996
05140202	05140202040080	INE0248_T1002	INE0248	T1002	PIGEON CREEK-HARPER DITCH	6.12	2534	1998	E	N20,N42,P21	PCBs, Low Dissolved Oxygen, TDS, Pathogens	206	1996
05140202	05140202040100	INE024A_T1003	INE024A	T1003	PIGEON CREEK-KLEYMEYER PARK	3.62	2535	1998	M	N20,N42,N21	PCBs, Sulfates, TDS, Pathogens, Low Dissolved Oxygen	206	1996
05140202	05140202040120	INE024C_T1004	INE024C	T1004	PIGEON CREEK	1.55	2536	1998	E	N20,P21,X42	PCBs	206	1996
05140202	05140202070080	INE02P1017_00	INE02P1017	00	HOVEY LAKE	242	2872	2002	M	F20,P21,X42	PCBs	481	2002
05080002	05080002090080	ING0298_M1001	ING0298	M1001	GREAT MIAMI RIVER	1.55	2748	1998	M	P21,X20,X42	PCBs, Hg	191	1998
05080003	05080003010010	ING0311_T1001	ING0311	T1001	Whitewater River, WF	8.08	622	2000	E	F20,P21,X42	Hg	192	2002
05080003	05080003010020	ING0312_T1002	ING0312	T1002	Whitewater River, West Fork	6.54	625	2000	E	F20,P21,X42	Hg	192	2002
05080003	05080003020070	ING0327_T1006	ING0327	T1006	WHITWATER RIVER - West Fork	6.02	650	2000	M	F20,P21,X42	PCBs, Hg	192	1998
05080003	05080003040010	ING0341_T1007	ING0341	T1007	Whitewater River, West Fork	1.93	658	2000	M	F20,F42,P21	PCBs, Hg	192	1998
05080003	05080003040030	ING0343_T1008	ING0343	T1008	Whitewater River, West Fork	5.66	662	2000	M	F20,P21,X42	PCBs, Hg	192	1998
05080003	05080003040040	ING0344_T1009	ING0344	T1009	Whitewater River, West Fork	1.04	665	2000	M	F20,P21,X42	PCBs, Hg	192	1998
05080003	05080003040080	ING0348_T1010	ING0348	T1010	Whitewater River, West Fork	1.75	669	2000	M	F20,P21,X42	PCBs, Hg	192	1998
05080003	05080003040090	ING0349_T1011	ING0349	T1011	Whitewater River, West Fork	5.22	672	2000	M	F20,P21,X42	PCBs, Hg	192	1998
05080003	05080003070020	ING0372_T1018	ING0372	T1018	EAST FORK WHITEWATER RIVER	4.43	2747	1998	E	P21,X20,X42	PCBs	190	1998
05080003	05080003070040	ING0374_P1012	ING0374	P1012	Middle Fork Reservoir	2.21	703	2000	M	F20,P21,X42	Hg	194	1998
05080003	05080003070050	ING0375_T1023	ING0375	T1023	Whitewater River, WF of East Fork	0.64	706	2000	M	F20,N42,P21	PCBs, Pathogens	190	2002
05080003	05080003070060	ING0376_T1013	ING0376	T1013	Whitewater River, East Fork	3.95	710	2000	M	F20,N42,X21	Pathogens	190	1996
05080003	05080003070060	ING0376_T1027	ING0376	T1027	Whitewater River, East Fork	1.73	711	2000	M	F20,P21,X42	PCBs	190	1996
05080003	05080003070090	ING0379_T1014	ING0379	T1014	Whitewater River, East Fork	4.57	716	2000	M	F20,P21,X42	PCBs	190	1998
05080003	05080003070110	ING037B_T1016	ING037B	T1016	Whitewater River, East Fork	2.79	722	2000	E	F20,P21,X42	Hg	190	2002
05080003	05080003070120	ING037C_T1017	ING037C	T1017	Whitewater River, East Fork	0.46	724	2000	E	F20,P21,X42	Hg	190	2002
05080003	05080003070180	ING037J_P1019	ING037J	P1019	BROOKVILLE RESERVOIR	27.49	736	2000	E	X20,P21,X42	Hg	189	1998
05080003	05080003080090	ING0389_T1020	ING0389	T1020	Whitewater River - mainstem	4.94	747	2000	M	F20,P21,X42	PCBs, Hg	193	1998
05080003	05080003080100	ING038A_T1041	ING038A	T1041	WHITWATER RIVER	0.5	2764	2000	M	F20,P21,X42	PCBs, Hg	193	1998
05080003	05080003080110	ING038B_T1021	ING038B	T1021	WHITWATER RIVER	1.71	751	2000	M	F20,P21,X42	PCBs, Hg	193	1998
05080003	05080003080120	ING038C_T1022	ING038C	T1022	Whitewater River - mainstem	2.99	754	2000	M	F20,P21,X42	PCBs, Hg	193	1998
05080003	05080003070040	ING03P1012_00	ING03P1012	00	MIDDLE FORK RESERVOIR	161	2744	2002	M	P21,P50,X20,X42	Algal Growth, Taste and Odor, Hg	194	1998
05080003	05080003070180	ING03P1019_00	ING03P1019	00	BROOKVILLE RESERVOIR	5260	2745	2002	M	P21,X20,X42	Hg	189	1998
05090203	05090203	INH1_00	INH1	00	OHIO RIVER - Ohio state line to Markland Dam	40.4	2969	2002	M	P20,P21,X42	PCBs, Dioxins	205	1998
05090203	05090203	INH2_00	INH2	00	OHIO RIVER - Markland to Kentucky River	14.3	2970	2002	M	F20,P21,X42	PCBs	205	1998
05140101	05140101	INH3_00	INH3	00	OHIO RIVER - Kentucky R to Battle Cr	48.2	3333	2002	M	F20,P21,X42	PCBs	205	1998
05140101	05140101	INH3_M01	INH3	M01	OHIO RIVER - Battle Cr to McAlpine Dam	12.8	3334	2002	M	F20,P21,N42	PCBs, Pathogens	205	1998
05140101	05140101	INH4_00	INH4	00	OHIO RIVER - McAlpine to Greenwood, KY	12.5	3335	2002	M	F20,P21,X42	PCBs	205	1998
05140101	05140101	INH4_00	INH4	00	OHIO RIVER - McAlpine to Greenwood, KY	12.5	3335	2002	M	P20,X21,P42	PCBs, Pathogens	203, 204	1998
05140101	05140101	INH4_M01	INH4	M01	OHIO RIVER - Greenwood, KY to Salt Cr	10.6	3336	2002	M	P20,N42,P21	PCBs, Dioxins, Pathogens	205	1998
05140201	05140201	INH5_00	INH5	00	OHIO RIVER - Salt Cr to Cannelton	90.8	2973	2002	M	P20,P21,X42	PCBs, Dioxins	205	1998
05140201	05140201	INH6_00	INH6	00	OHIO RIVER - Cannelton to Newburgh	55.4	2974	1998	M	F20,P21,X42	PCBs	205	1998
05140201	05140201	INH7_00	INH7	00	OHIO RIVER - Newburgh to Green R	8.1	2975	2002	M	F20,P21,X42	PCBs	205	1998
05140202	05140202	INH8_00	INH8	00	OHIO RIVER - Green River to Evansville	7.3	3337	2002	M	P21,X20,X42	PCBs	205	1998
05140202	05140202	INH8_M01	INH8	M01	OHIO RIVER - Evansville to Uniontown	54.5	3338	2002	M	N42,P21,X20	PCBs, Pathogens	205	1998
05140202	05140202	INH9_00	INH9	00	OHIO RIVER - Uniontown to Wabash R	2	2977	2002	M	P21,X20,X42	PCBs	205	1998
04050001	04050001090020	INJ0192_P1036	INJ0192	P1036	SNOW LAKE	2.58	2589	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	35	1998
04050001	04050001090020	INJ0192_P1037	INJ0192	P1037	MARSH LAKE	0.89	2590	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	26	1998
04050001	04050001090030	INJ0193_P1038	INJ0193	P1038	LAKE JAMES	4.48	2591	1998	M	P20,P21,X42	Impaired Biotic Communities, Hg	16	1998
04050001	04050001090030	INJ0193_P1039	INJ0193	P1039	JIMMERSON LAKE	4.12	2592	1998	M	P20,P21,X42	Impaired Biotic Communities, Hg	13	1998
04050001	04050001090050	INJ0195_00	INJ0195	00	FAWN RIVER-ORLAND	4.85	3113	2002	M	N42,X20,X21	Pathogens	220	2002
04050001	04050001110010	INJ01B1_T1035	INJ01B1	T1035	PIGEON CREEK	2.45	2588	2002	E	P21,X20,X42	PCBs, Hg	33	1998
04050001	04050001110020	INJ01B2_T1034	INJ01B2	T1034	PIGEON CREEK	5.73	2587	2002	E	P21,X20,X42	PCBs, Hg	33	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
04050001	04050001110030	INJ01B3_T1032	INJ01B3	T1032	PIGEON CREEK	4.84	2585	2002	M	N42,P21,X20	PCBs, Hg, Pathogens	33	1998
04050001	04050001110040	INJ01B4_P1080	INJ01B4	P1080	LONG LAKE	1.22	2595	2002	E	P21,X20,X42	Hg	25	1998
04050001	04050001110040	INJ01B4_T1031	INJ01B4	T1031	PIGEON CREEK	3.22	2594	2002	M	F20,P21,X42	PCBs, Hg	33	1998
04050001	04050001110040	INJ01B4_T1297	INJ01B4	T1297	PIGEON CREEK	1.35	3120	2002	M	X20,N42,P21	PCBs, Hg, Pathogens	33	1998
04050001	04050001110050	INJ01B5_T1030	INJ01B5	T1030	PIGEON CREEK	0.53	2583	2002	E	F20,P21,X42	PCBs, Hg	33	1998
04050001	04050001110060	INJ01B6_T1029	INJ01B6	T1029	PIGEON CREEK	4.33	2582	2002	E	F20,F42,P21	PCBs, Hg	33	1998
04050001	04050001110070	INJ01B7_T1028	INJ01B7	T1028	PIGEON CREEK	5.27	2581	1998	M	F20,F42,P21	PCBs, Hg	33	1998
04050001	04050001110080	INJ01B8_T1027	INJ01B8	T1027	PIGEON CREEK	3.18	2580	2002	M	F20,F42,P21	PCBs, Hg	33	1998
04050001	04050001110100	INJ01BA_T1309	INJ01BA	T1309	Turkey Creek - Stump Dt	6.72	3122	2002	M	N42,X20,X21	Pathogens	221	
04050001	04050001110120	INJ01BC_T1298	INJ01BC	T1298	PIGEON CREEK	1.92	3123	2002	M	F20,N42,X21	Pathogens	222	2002
04050001	04050001120010	INJ01C1_T1300	INJ01C1	T1300	PIGEON RIVER	8.71	3124	2002	M	F20,N42,X21	Pathogens	222	
04050001	04050001120020	INJ01C2_00	INJ01C2	00	FLY CREEK-HEADWATERS (LAGRANGE)	15.06	3125	2002	M	N42,X20,X21	Pathogens	223	2002
04050001	04050001120070	INJ01C7_P1022	INJ01C7	P1022	LAKE SHIP SHEWANA	0.69	2575	2002	M	F42,P21,X20	PCBs	18	1998
04050001	04050001130030	INJ01D3_M1012	INJ01D3	M1012	ST. JOSEPH RIVER	4.37	2566	2002	M	F42,P21,X20	PCBs, Hg	36	1998
04050001	04050001140010	INJ01E1_T1301	INJ01E1	T1301	EMMA CREEK TRIB	2.32	3129	2002	M	N20,X21,X42	Impaired Biotic Communities, Ammonia	225	2002
04050001	04050001140040	INJ01E4_T1302	INJ01E4	T1302	LITTLE ELKHART RIVER	4.99	3130	2002	M	P20,X21,X42	Impaired Biotic Communities	236	2002
04050001	04050001140060	INJ01E6_T1303	INJ01E6	T1303	LITTLE ELKHART RIVER	2.69	3007	2001	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	236	2002
04050001	04050001150010	INJ01F1_M1011	INJ01F1	M1011	ST. JOSEPH RIVER	3.3	2565	2002	M	F42,P21,X20	PCBs, Hg	36	1998
04050001	04050001150020	INJ01F2_M1010	INJ01F2	M1010	ST. JOSEPH RIVER	2.79	2564	2002	M	F42,P21,X20	PCBs, Hg	36	1998
04050001	04050001150030	INJ01F3_00	INJ01F3	00	PINE CREEK-NORTH/SOUTH FORKS	25.43	3135	2002	M	N42,X20,X21	Pathogens	235	2002
04050001	04050001150050	INJ01F5_M1009	INJ01F5	M1009	ST. JOSEPH RIVER	3.89	2563	2002	M	F42,P21,X20	PCBs, Hg	36	1998
04050001	04050001170030	INJ01H3_P1025	INJ01H3	P1025	OLIVER LAKE	2.21	2578	2002	E	P21,X20,X42	Hg	31	1998
04050001	04050001170030	INJ01H3_P1026	INJ01H3	P1026	OLIN LAKE	1.46	2579	2002	E	P21,X20,X42	Hg	30	1998
04050001	04050001170080	INJ01H8_T1312	INJ01H8	T1312	NORTH BRANCH ELKHART RIVER AND TRIBS	9.48	3141	2002	M	F20,N42,X21	Pathogens	227	2002
04050001	04050001180040	INJ01J4_T1313	INJ01J4	T1313	CROFT DITCH	1.4	3143	2002	M	N42,X20,X21	Pathogens	226	2002
04050001	04050001180050	INJ01J5_T1314	INJ01J5	T1314	SOUTH BRANCH ELKHART RIVER	3.64	3144	2002	M	N42,X20,X21	Pathogens	226	2002
04050001	04050001180060	INJ01J6_T1315	INJ01J6	T1315	SOUTH BRANCH ELKHART RIVER	10.84	3145	2002	M	N42,X20,X21	Pathogens	226	2002
04050001	04050001190010	INJ01K1_T1019	INJ01K1	T1019	ELKHART RIVER	3.66	2572	2002	M	F20,N42,X21	Pathogens	7	1998
04050001	04050001190020	INJ01K2_T1018	INJ01K2	T1018	ELKHART RIVER	9.14	2571	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	7	1998
04050001	04050001190030	INJ01K3_T1316	INJ01K3	T1316	STONE CREEK AND TRIB	4.18	3146	2002	M	N42,X20,X21	Pathogens	231	2002
04050001	04050001190040	INJ01K4_T1017	INJ01K4	T1017	ELKHART RIVER	5.26	2570	2002	M	N42,P21,X20	PCBs, Hg, Pathogens	7	1998
04050001	04050001190060	INJ01K6_T1317	INJ01K6	T1317	SOLOMON CREEK AND TRIBS	18.86	3147	2002	M	N42,X20,X21	Pathogens	230	2002
04050001	04050001190070	INJ01K7_T1016	INJ01K7	T1016	ELKHART RIVER	11.21	2569	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	7	1998
04050001	04050001200020	INJ01M2_P1023	INJ01M2	P1023	LAKE WAWASEE	8.41	2576	2002	M	F42,P21,X20	PCBs, Hg	20	1998
04050001	04050001200030	INJ01M3_00	INJ01M3	00	TURKEY CREEK-SKINNER/HOOPINGARNER DITCHES	15.71	3148	2002	M	N42,X20,X21	Pathogens	228	2002
04050001	04050001200040	INJ01M4_P1024	INJ01M4	P1024	WABEE LAKE	1.58	2577	2002	M	P21,X20,X42	Hg	19	1998
04050001	04050001200050	INJ01M5_T1318	INJ01M5	T1318	TURKEY CREEK	1.53	3150	2002	M	N42,X20,X21	Pathogens	228	2002
04050001	04050001200060	INJ01M6_T1319	INJ01M6	T1319	TURKEY CREEK	1.88	3151	2002	M	N42,X20,X21	Pathogens	228	2002
04050001	04050001200080	INJ01M8_T1320	INJ01M8	T1320	TURKEY CREEK	4.89	3153	2002	M	N42,X20,X21	Pathogens	228	2002
04050001	04050001200100	INJ01MA_T1321	INJ01MA	T1321	TURKEY CREEK	5.87	3154	2002	M	F20,N42,X21	Pathogens	228	2002
04050001	04050001210010	INJ01N1_T1015	INJ01N1	T1015	ELKHART RIVER	9.13	2568	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	7	1998
04050001	04050001210020	INJ01N2_00	INJ01N2	00	ROCK RUN CREEK-HOOVER DITCH-BOYER DITCH	22.83	3155	2002	M	P20,X21,X42	Impaired Biotic Communities	234	2002
04050001	04050001210030	INJ01N3_T1322	INJ01N3	T1322	ROCK RUN CREEK AND TRIBS	4.22	3156	2002	M	N42,X20,X21	Pathogens	233	2002
04050001	04050001210040	INJ01N4_T1014	INJ01N4	T1014	ELKHART RIVER	11.35	2567	2002	M	F20,F42,P21	PCBs, Hg	7	1998
04050001	04050001210060	INJ01N6_M1008	INJ01N6	M1008	ST. JOSEPH RIVER	0.35	2562	2002	M	F42,P21,X20	PCBs, Hg	36	1998
04050001	04050001210060	INJ01N6_T1013	INJ01N6	T1013	ELKHART RIVER	5.18	2561	2002	M	N42,P21,X20	PCBs, Hg, Pathogens	7	1998
04050001	04050001220010	INJ01P1_M1007	INJ01P1	M1007	ST. JOSEPH RIVER	6.55	2560	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	36	1998
04050001	04050001120070	INJ01P1022_00	INJ01P1022	00	SHIP SHEWANA LAKE	202	2624	2002	M	F42,P21,X20	PCBs	18	1998
04050001	04050001200020	INJ01P1023_00	INJ01P1023	00	LAKE WAWASEE	3410	2626	2002	M	F42,P21,X20	PCBs, Hg	20	1998
04050001	04050001200040	INJ01P1024_00	INJ01P1024	00	WAUBEE LAKE	127	2625	2002	M	P21,X20,X42	Hg	19	1998
04050001	04050001170030	INJ01P1025_00	INJ01P1025	00	OLIVER LAKE	394	2628	2002	M	X20,P21,X42	Hg	31	1998
04050001	04050001170030	INJ01P1026_00	INJ01P1026	00	OLIN LAKE	103	2627	2002	M	X20,P21,X42	Hg	30	1998
04050001	04050001090020	INJ01P1036_00	INJ01P1036	00	SNOW LAKE	421	2613	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	35	1998
04050001	04050001090020	INJ01P1037_00	INJ01P1037	00	MARSH LAKE	56	2611	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	26	1998
04050001	04050001090030	INJ01P1038_00	INJ01P1038	00	LAKE JAMES	1034	2608	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	16	1998
04050001	04050001090030	INJ01P1039_00	INJ01P1039	00	JIMMERSON LAKE	434	2603	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	13	1998
04050001	04050001090020	INJ01P1050_00	INJ01P1050	00	BIG OTTER LAKE	69	3050	2002	E	P20,X21,X42	Impaired Biotic Communities	416	2002
04050001	04050001090020	INJ01P1053_00	INJ01P1053	00	SEVEN SISTERS LAKES	22	3051	2002	E	P20,X21,X42	Impaired Biotic Communities	417	
04050001	04050001090040	INJ01P1066_00	INJ01P1066	00	CROOKED LAKE	828	2599	2002	M	P21,X20,X42	Hg	418	2002
04050001	04050001110040	INJ01P1080_00	INJ01P1080	00	LONG LAKE	92	2623	2002	M	P21,X20,X42	Hg	25	1998
04050001	04050001110040	INJ01P1082_00	INJ01P1082	00	PLEASANT LAKE	53	2631	2002	M	P21,X20,X42	PCBs, Hg	419	2002
04050001	04050001110040	INJ01P1083_00	INJ01P1083	00	MESERVE LAKE	16	3342	2002	E	P20,X21,X42	Impaired Biotic Communities	420	2002
04050001	04050001110110	INJ01P1091_00	INJ01P1091	00	MCCLISH LAKE	35	2644	2002	M	F20,P21,X42	Hg	422	2002
04050001	04050001110110	INJ01P1093_00	INJ01P1093	00	LAKE OF THE WOODS	136	2641	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	423	2002
04050001	04050001110110	INJ01P1093_00	INJ01P1093	00	LAKE OF THE WOODS	136	2641	2002	M	P20,P21,X42	Impaired Biotic Communities, Hg	423	2002

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
04050001	04050001120030	INJ01P1132_00	INJ01P1132	00	ROYER LAKE	69	2921	2002	M	P20,X21,X42	Impaired Biotic Communities	425	2002
04050001	04050001120030	INJ01P1133_00	INJ01P1133	00	FISH LAKE	100	2844	2002	M	F42,P20,X21	Impaired Biotic Communities	426	2002
04050001	04050001090060	INJ01P1144_00	INJ01P1144	00	LIME LAKE	30	3344	2002	E	P20,X21,X42	Impaired Biotic Communities	421	2002
04050001	04050001120050	INJ01P1157_00	INJ01P1157	00	NORTH TWIN LAKE	135	2906	2002	M	P20,X21,X42	Impaired Biotic Communities	424	2002
04050001	04050001200040	INJ01P1180_00	INJ01P1180	00	DEWART LAKE	551	2833	2002	M	F42,P21,X20	Hg	444	2002
04050001	04050001200020	INJ01P1187_00	INJ01P1187	00	BARREL AND A HALF LAKE	12	2818	2002	M	P21,X20,X42	Hg	445	2002
04050001	04050001200020	INJ01P1188_00	INJ01P1188	00	SPEAR LAKE	40	2931	2002	M	P21,X20,X42	Hg	446	2002
04050001	04050001200020	INJ01P1189_00	INJ01P1189	00	SHOCK LAKE	37	2926	2002	M	P21,X20,X42	Hg	447	2002
04050001	04050001200010	INJ01P1193_00	INJ01P1193	00	KNAPP LAKE	88	2878	2002	M	P20,X21,X42	Impaired Biotic Communities	448	2002
04050001	04050001200010	INJ01P1195_00	INJ01P1195	00	HINDMAN LAKE	13	3222	2002	M	P20,X21,X42	Impaired Biotic Communities	449	2002
04050001	04050001200010	INJ01P1196_00	INJ01P1196	00	GORDY LAKE	31	2855	2002	M	P20,X21,X42	Impaired Biotic Communities	450	2002
04050001	04050001200010	INJ01P1198_00	INJ01P1198	00	VILLAGE LAKE	11	2947	2002	M	P20,X21,X42	Impaired Biotic Communities	451	2002
04050001	04050001180010	INJ01P1232_00	INJ01P1232	00	LONG LAKE	40	2889	2002	M	P21,X20,X42	Hg	452	2002
04050001	04050001170050	INJ01P1239_00	INJ01P1239	00	BIXLER LAKE	120	2822	2002	M	P21,X20,X42	Hg	453	2002
04050001	04050001170050	INJ01P1240_00	INJ01P1240	00	HENDERSON LAKE	22	2864	2002	M	P21,X20,X42	PCBs	454	2002
04050001	04050001170060	INJ01P1248_00	INJ01P1248	00	SYLVAN LAKE	630	2937	2002	M	P21,X20,X42	Hg	455	2002
04050001	04050001170030	INJ01P1261_00	INJ01P1261	00	MESSICK LAKE	68	2897	2002	M	P20,X21,X42	Impaired Biotic Communities	427	2002
04050001	04050001170030	INJ01P1262_00	INJ01P1262	00	HACKENBURG LAKE	42	3221	2002	M	P20,X21,X42	Impaired Biotic Communities	428	2002
04050001	04050001170020	INJ01P1263_00	INJ01P1263	00	DALLAS LAKE	283	2832	2002	M	P20,X21,X42	Impaired Biotic Communities	429	2002
04050001	04050001170020	INJ01P1267_00	INJ01P1267	00	WITMER LAKE	204	2956	2002	M	P20,X21,X42	Impaired Biotic Communities	430	2002
04050001	04050001230010	INJ01R1_T1305	INJ01R1	T1305	WISLER DITCH AND TRIBS	10.84	3159	2001	M	N20,X21,X42	Impaired Biotic Communities, Nutrients	229	2002
04050001	04050001230040	INJ01R4_T1307	INJ01R4	T1307	BAUGO CREEK AND TRIBS	7.61	3161	2002	M	F20,N42,X21	Pathogens	232	2002
04050001	04050001230040	INJ01R4_T1323	INJ01R4	T1323	BAUGO CREEK	2.45	3162	2002	M	N42,X20,X21	Pathogens	232	2002
04050001	04050001240010	INJ01T1_M1006	INJ01T1	M1006	ST. JOSEPH RIVER	5.25	2559	2002	M	F42,P21,X20	PCBs, Hg, Pathogens	36	1998
04050001	04050001240020	INJ01T2_M1005	INJ01T2	M1005	ST. JOSEPH RIVER	3.05	2558	1998	M	F20,F42,P21	PCBs, Hg, Pathogens	36	1998
04050001	04050001240020	INJ01T2_T1324	INJ01T2	T1324	WILLOW CREEK AND TRIB	11.45	3164	2002	M	N42,X20,X21	Pathogens	237	2002
04050001	04050001240030	INJ01T3_M1004	INJ01T3	M1004	ST. JOSEPH RIVER	4.32	2557	1998	M	F42,P21,X20	PCBs, Hg, Pathogens	36	1998
04050001	04050001240040	INJ01T4_M1003	INJ01T4	M1003	ST. JOSEPH RIVER	6.04	2556	1998	M	N42,P21,X20	PCBs, Hg, Pathogens	36	1998
04050001	04050001240050	INJ01T5_T1002	INJ01T5	T1002	JUDAY CREEK	12.33	2555	1998	M	N42,P21,X20	PCBs, Pathogens	14	1998
04050001	04050001240060	INJ01T6_M1001	INJ01T6	M1001	ST. JOSEPH RIVER	2.74	2554	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	36	1998
04050001	04050001240060	INJ01T6_T1308	INJ01T6	T1308	ST. JOSEPH RIVER TRIB	3.11	3165	2002	M	N20,X21,X42	Impaired Biotic Communities	238	2002
07120001	07120001010020	INK0112_00	INK0112	00	ALDRICH DITCH - SCHANG DITCH	12.06	1307	2001	M	P20,X21,X42	Impaired Biotic Communities	255	2002
07120001	07120001010100	INK011A_T1001	INK011A	T1001	KANKAKEE RIVER-MAINSTEM	2.12	1002	2001	E	N42,P21,X20	PCBs, Hg, Pathogens	57	1998
07120001	07120001010120	INK011C_00	INK011C	00	LITTLE KANKAKEE RIVER-BYRON	17.53	1337	2001	M	N42,X20,X21	Pathogens	247	2002
07120001	07120001010130	INK011D_00	INK011D	00	LITTLE KANKAKEE RIVER-MILL CREEK-FISH LAKES	17.59	1338	2001	M	P20,X21,X42	Impaired Biotic Communities	248	2002
07120001	07120001010130	INK011D_T1002	INK011D	T1002	Kankakee River	3.75	1003	2001	M	N42,P21,X20	PCBs, Hg, Pathogens	57	1998
07120001	07120001020050	INK0125_00	INK0125	00	POTATO CREEK-KARTOFFEL CREEK	15.06	1342	2001	M	F20,N42,X21	Pathogens	250	2002
07120001	07120001020060	INK0126_00	INK0126	00	PINE CREEK-HORACE MILLER DITCH	13.86	1343	2001	M	N42,X20,X21	Pathogens	250	2002
07120001	07120001030010	INK0131_T1003	INK0131	T1003	Kankakee River - mainstem	3.35	1004	2001	E	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
07120001	07120001030030	INK0133_T1004	INK0133	T1004	Kankakee river - mainstem	3.76	1005	2001	E	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
07120001	07120001030040	INK0134_T1005	INK0134	T1005	KANKAKEE RIVER-MAINSTEM	2.74	1006	2001	M	N20,X42,P21	PCBs, Hg	57	1998
07120001	07120001030040	INK0134_T1005	INK0134	T1005	KANKAKEE RIVER-MAINSTEM	2.74	1006	2001	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	57	1998
07120001	07120001030080	INK0138_00	INK0138	00	KANKAKEE RIVER-LONG DITCH	15.79	1345	2001	M	N42,X20,X21	Pathogens	246	2002
07120001	07120001030080	INK0138_T1006	INK0138	T1006	KANKAKEE RIVER-MAINSTEM	1.67	1007	2001	M	N20,X42,P21	PCBs, Hg	57	1998
07120001	07120001030080	INK0138_T1006	INK0138	T1006	KANKAKEE RIVER-MAINSTEM	1.67	1007	2001	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	57	1998
07120001	07120001030090	INK0139_00	INK0139	00	SALISBURY DITCH	16.53	1346	2001	M	P20,X21,X42	Impaired Biotic Communities	245	2002
07120001	07120001030120	INK013C_T1007	INK013C	T1007	KANKAKEE RIVER-MAINSTEM	4.03	1008	2001	E	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
07120001	07120001040060	INK0146_T1008	INK0146	T1008	Kankakee River	1	1349		M	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
07120001	07120001040070	INK0147_T1009	INK0147	T1009	Kankakee River	5.15	1350	2001	M	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
	07120001000414	INK0153_00			Kline Rouch Ditch				M	X20,X21,N42	Pathogens	255	
07120001	07120001050030	INK0153_T1016	INK0153	T1016	UNNAMED DITCH	0.64	2770	1998	M	N42,X20,X21	Pathogens	59	1998
07120001	07120001050040	INK0154_00	INK0154	00	ARMEY DITCH - HEADWATERS	14.38	1352	2001	M	N42,X20,X21	Pathogens	251	2002
07120001	07120001050060	INK0155_00	INK0155	00	YELLOW RIVER - ARMEY DITCH - ALBERT ZEIGER DITCH	9.57	1353		M	N42,X20,X21	Pathogens	251	2002
07120001	07120001050070	INK0157_00	INK0157	00	Aldrich Ditch - Schang Ditch	14.28	2794	2001	M	N42,X20,X21	Pathogens	256	2002
07120001	07120001050080	INK0158_00	INK0158	00	YELLOW RIVER - RIVERSIDE CHURCH	14.77	1355	2001	M	F20,N42,X21	Pathogens	251	2002
07120001	07120001050150	INK015F_00	INK015F	00	YELLOW RIVER - MILNER SELTENRIGHT DITCH	16.91	1359	2001	M	F20,N42,X21	Pathogens	251	2002
07120001	07120001050160	INK015G_T1101	INK015G	T1101	Elmer-Seltenright Ditch headwaters	3.85	1361	2001	M	P20,X21,X42	Impaired Biotic Communities	254	2002
07120001	07120001060040	INK0164_T1102	INK0164	T1102	Meyers Ditch basin	6.01	1364	2001	M	P20,X21,X42	Impaired Biotic Communities	252	2002
07120001	07120001060050	INK0165_00	INK0165	00	YELLOW RIVER - LISTENBERGER/CLIFFTON DITCHES	19.76	1365	2001	M	F20,N42,X21	Pathogens	251	2002
07120001	07120001060060	INK0166_00	INK0166	00	YELLOW RIVER - OBER	29.31	1366	2001	M	F20,N42,X21	Pathogens	251	2002
07120001	07120001060100	INK016A_00	INK016A	00	YELLOW RIVER-KNOX	20.8	1368	2001	M	F20,N42,X21	Pathogens	251	2002
07120001	07120001080030	INK0183_M1011	INK0183	M1011	KANKAKEE RIVER-ENGLISH LAKE	3.54	1373	2001	M	F20,N42,P21	PCBs, Hg, Pathogens	57	1998
07120001	07120001090050	INK0195_T1013	INK0195	T1013	Crooked Creek	4.3	1379	2001	E	N20,X21,X42	Impaired Biotic Communities	54	1998
07120001	07120001090070	INK0197_T1014	INK0197	T1014	Crooked Creek	5.9	1378	2001	E	N20,X21,X42	Impaired Biotic Communities	54	1998
07120001	07120001090100	INK019A_00	INK019A	00	COBB DITCH-SIEVERS CREEK	18.41	1381	2001	M	N20,X21,X42	Impaired Biotic Communities	243	2002

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
07120001	07120001090150	INK019F_M1104	INK019F	M1104	KANKAKEE RIVER	6.08	2772	2001	M	F20,N42,X21	Pathogens	57	2002
07120001	07120001090150	INK019F_M1113	INK019F	M1113	KANKAKEE RIVER	0.6	2773	1998	M	N42,P21,X20	PCBs, Hg	57	1998
07120001	07120001090150	INK019F_M1113	INK019F	M1113	KANKAKEE RIVER	0.6	2773	1998	M	N42,X21,X20	Pathogens	57	1998
07120001	07120001090150	INK019F_T1017	INK019F	T1017	COBB CREEK	5.81	1385	2001	M	N20,X21,X42	Impaired Biotic Communities	53	1998
07120001	07120001100030	INK01A3_00	INK01A3	00	HODGE DITCH-DELEHANTY/SCHATZLEY DITCHES	35.48	1392	2001	M	P20,X21,X42	Impaired Biotic Communities	244	2002
07120001	07120001110020	INK01B2_M1019	INK01B2	M1019	KANKAKEE RIVER	7.26	2774	1998	M	P21,X20,X42	PCBs, Hg	57	1998
07120001	07120001110030	INK01B3_M1020	INK01B3	M1020	Kankakee River	3	1393	2001	M	F20,F42,P21	PCBs, Hg	57	1998
07120001	07120001120040	INK01C4_M1021	INK01C4	M1021	Kankakee River	4.7	1395		M	F20,F42,P21	PCBs, Hg	57	1998
07120001	07120001130010	INK01D1_00	INK01D1	T1107	East Branch Stony Run	3.12	1398	2001	M	N20,X21,X42	Nutrients, TDS, Chlorides	240	2002
07120001	07120001130030	INK01D3_00	INK01D3	00	SINGLETON DITCH-BRYANT DITCH	39.43	1400	2001	M	F20,N42,X21	Pathogens	242	2002
07120001	07120001130060	INK01D6_P1022	INK01D6	P1022	CEDAR LAKE	1	2768	1998	M	P21,X20,X42	PCBs	52	1998
07120001	07120001130060	INK01D6_T1023	INK01D6	T1023	CEDAR CREEK	1.55	2769	1998	M	N20,X21,X42	Impaired Biotic Communities	51	1998
07120001	07120001130070	INK01D7_T1025	INK01D7	T1025	CEDAR CREEK	8.59	1402	2001	M	N20,X21,X42	Impaired Biotic Communities	51	1998
07120001	07120001130080	INK01D8_00	INK01D8	00	SINGLETON DITCH-BRUCE DITCH/BAILEY DITCH	19.96	1403	2001	M	P20,X21,X42	Impaired Biotic Communities, TDS	241	2002
07120001	07120001140010	INK01E1_T1108	INK01E1	T1108	BULL RUN BASIN	6.4	1404	2001	M	N20,X21,X42	Impaired Biotic Communities	239	2002
07120001	07120001130060	INK01P1022_00	INK01P1022	00	CEDAR LAKE	781	2596	2002	M	P21,X20,X42	PCBs	52	1998
07120001	07120001060080	INK01P1037_00	INK01P1037	00	LAWRENCE LAKE	69	2884	2002	M	P20,X21,X42	Impaired Biotic Communities	435	2002
07120001	07120001060080	INK01P1038_00	INK01P1038	00	MYERS LAKE	96	2903	2002	M	P20,X21,X42	Impaired Biotic Communities	436	2002
07120001	07120001010050	INK01P1055_00	INK01P1055	00	NORTH CHAIN LAKE	88	2820	2002	M	P21,X20,X42	PCBs, Hg	431	2002
07120001	07120001010130	INK01P1060_00	INK01P1060	00	LOWER FISH LAKE	134	2846	2002	M	P21,X20,X42	PCBs, Hg	433	2002
07120001	07120001070010	INK01P1078_00	INK01P1078	00	BASS LAKE	1440	2819	2002	M	P21,X20,X42	Hg	434	2002
07120002	07120002020010	INK0221_T1001	INK0221	T1001	IROQUOIS RIVER HEADWATERS	8.72	1407	2001	M	F20,P21,X42	PCBs	56	1998
07120002	07120002020010	INK0221_T1017	INK0221	T1017	ROWAN DITCH TRIBUTARY	2	1408	2001	M	N20,X21,X42	Low Dissolved Oxygen	298	2002
07120002	07120002020020	INK0222_T1002	INK0222	T1002	IROQUOIS RIVER	0.65	1409	2001	M	F20,P21,X42	PCBs	56	1998
07120002	07120002020030	INK0223_T1003	INK0223	T1003	IROQUOIS RIVER	3.59	1410	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002020060	INK0226_T1004	INK0226	T1004	IROQUOIS RIVER	10.92	1411	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002030020	INK0232_T1018	INK0232	T1018	Ringeisen Ditch basin	6.27	1415	2001	M	N20,X21,X42	Impaired Biotic Communities	297	2002
07120002	07120002030050	INK0235_T1019	INK0235	T1019	Slough Creek	6.84	1419	2001	M	F20,N42,X21	Pathogens	296	2002
07120002	07120002030070	INK0237_T1020	INK0237	T1020	Carpenter Creek tributary	4.39	1423	2001	M	N20,X21,X42	Impaired Biotic Communities, Nutrients, Low Dissolved Oxygen	415	2002
07120002	07120002030080	INK0238_00	INK0238	00	SLOUGH CREEK-CARPENTER CREEK (LOWER)	10.23	1424	2001	M	F20,N42,X21	Pathogens	296	2002
07120002	07120002040030	INK0243_00	INK0243	00	CURTIS CREEK-YEOMAN DITCH	4.77	1426	2001	M	N20,X21,X42	Nutrients, Low Dissolved Oxygen, TDS, Chlorides	295	2002
07120002	07120002040030	INK0243_T1005	INK0243	T1005	IROQUOIS RIVER	3.52	1427	2001	M	F20,F42,P21	PCBs	56	1998
07120002	07120002040040	INK0244_T1006	INK0244	T1006	IROQUOIS RIVER	2.49	1428	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002040060	INK0246_00	INK0246	00	MOSQUITO CREEK-SIMONIN DITCH	11.26	1431	2001	M	N20,X21,X42	Low Dissolved Oxygen	294	2002
07120002	07120002040060	INK0246_T1007	INK0246	T1007	IROQUOIS RIVER	0.47	1432	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002040070	INK0247_T1008	INK0247	T1008	IROQUOIS RIVER	0.91	1435	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002040080	INK0248_T1009	INK0248	T1009	IROQUOIS RIVER	3.9	1434	2001	E	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002050010	INK0251_T1010	INK0251	T1010	Iroquois River	11.05	1437	2001	M	F20,N42,P21	PCBs, Pathogens	56	1998
07120002	07120002050020	INK0252_00	INK0252	00	THOMPSON DITCH-CLARK DITCH	8.21	1438	2001	M	N20,X21,X42	Nutrients, Low Dissolved Oxygen	293	2002
07120002	07120002050030	INK0253_00	INK0253	00	THOMPSON DITCH-HAMBRIDGE DITCH	6.77	1439	2001	M	N20,X21,X42	Impaired Biotic Communities	292	2002
07120002	07120002050040	INK0254_T1011	INK0254	T1011	IROQUOIS RIVER	0.27	2776	1998	M	P21,X20,X42	PCBs	56	1998
07120002	07120002050070	INK0257_00	INK0257	00	MONTGOMERY DITCH-MORRISON DITCH NO. 2 DITCH	14.82	1442	2001	M	N20,X21,X42	Nutrients, Low Dissolved Oxygen	291	2002
07120002	07120002050100	INK025A_T1012	INK025A	T1012	IROQUOIS RIVER-SOUTH CONCORD BRANCH (ILL)	1.36	2775	1998	M	P21,X20,X42	PCBs	56	1998
07120002	07120002070020	INK0272_00	INK0272	00	SUGAR CREEK-EARL PARK	19.46	1443	2001	M	F20,N42,X21	Pathogens	290	2002
07120002	07120002150030	INK02F3_T1014	INK02F3	T1014	BEAVER CREEK	2.93	1448	2001	M	N20,X21,X42	Impaired Biotic Communities	50	1998
07120003	07120003030030	INK0333_T1003	INK0333	T1003	DYER DITCH	4.97	2830	2002	E	N20,X21,X42	Impaired Biotic Communities	55	1998
07120003	07120003030050	INK0335_T1004	INK0335	T1004	LITTLE CALUMET RIVER	1.5	2965	2002	M	N20,P21,N42	Cyanide, Pathogens, PCBs, Hg	23	1998
07120003	07120003030050	INK0335_T1005	INK0335	T1005	LITTLE CALUMET RIVER	5.95	2964	2002	M	N20,P21,N42	Cyanide, Pathogens, PCBs, Hg	23	1998
07120003	07120003030060	INK0336_T1002	INK0336	T1002	LITTLE CALUMET RIVER	3.12	2966	2002	M	N20,P21,N42	Cyanide, Pathogens, PCBs, Hg	23	1998
07120003	07120003050010	INK0351_T1001	INK0351	T1001	Grand Calumet River - Illinois to Indiana Harbor Canal	3.37	267	2002	M	N20,P21,N42	Impaired Biotic Communities, PCBs, Hg, Ammonia, Cyanide, Salinity/TDS, Chlorides, Pathogens	9	1992
05140101	05140101030040	INN0134_T1034	INN0134	T1034	INDIAN KENTUCK CREEK	1.95	3244	2002	M	N20,X21,X42	Impaired Biotic Communities	385	2002
05140101	05140101030060	INN0136_00	INN0136	00	WEST FORK INDIAN KENTUCK-HEADWATERS	11.95	3245	2002	M	P20,X21,X42	Impaired Biotic Communities	386	2002
05140101	05140101070090	INN0179_00	INN0179	00	FOURTEEN MILE CREEK-DRY BRANCH	14.89	3249	2002	M	N42,X20,X21	Pathogens	387	2002
05140101	05140101070100	INN017A_00	INN017A	00	YANKEE CREEK	2.79	3250	2002	M	N42,X20,X21	Pathogens	387	2002
05140101	05140101070100	INN017A_T1031	INN017A	T1031	OWEN CREEK	4.75	3251	2002	M	X20,N42,X21	Pathogens	387	2002
05140101	05140101070100	INN017A_T1031	INN017A	T1031	OWEN CREEK	4.75	3251	2002	M	N20,X42,X21	Impaired Biotic Communities, Ammonia, Low Dissolved Oxygen	388	2002
05140101	05140101130050	INN01D5_P1001	INN01D5	P1001	DEAM LAKE	1.1	2512	1998	M	P21,X20,X42	Hg	201	1998
05140101	05140101140110	INN01EB_T1033	INN01EB	T1033	SILVER CREEK TRIB	1.95	3258	2002	M	N20,X21,X42	Impaired Biotic Communities, Low Dissolved Oxygen	389	2002
05140101	05140101140150	INN01EF_T1002	INN01EF	T1002	SILVER CREEK	1.7	2513	2002	E	P21,X20,X42	PCBs, Hg	207	1998
05140101	05140101140170	INN01EH_T1003	INN01EH	T1003	SILVER CREEK	6.48	2514	2002	M	F42,P21,X20	PCBs, Hg	207	1998
05140101	05140101130050	INN01P1001_00	INN01P1001	00	DEAM LAKE	195	2749	2002	M	P21,X20,X42	Hg	201	1998
05140104	05140104050070	INN0457_00	INN0457	00	BUCK CREEK-MAIN STEM	15.58	3263	2002	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	397	2002
05140104	05140104080020	INN0482_00	INN0482	00	LITTLE INDIAN CREEK (NORTH)	3.87	3264	2002	M	N20,X21,X42	Impaired Biotic Communities	401	2002
05140104	05140104090040	INN0494_00	INN0494	00	INDIAN CREEK-CRANDALL BRANCH	15.43	3268	2002	M	F20,N42,X21	Pathogens	399	2002
05140104	05140104090060	INN0496_T1051	INN0496	T1051	INDIAN CREEK	4.2	3270	2002	M	N42,X20,X21	Pathogens	399	2002

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05140104	05140104100030	INN04A3_00	INN04A3	00	INDIAN CREEK-DEVILS BACKBONE	17.02	3272	2002	M	N20,N42,X21	Low Dissolved Oxygen, Pathogens	398	2002
05140104	05140104130080	INN04D8_T1041	INN04D8	T1041	SOUTH FORK BLUE RIVER	2.95	3279	2002	M	P20,X21,X42	Impaired Biotic Communities	400	2002
05140104	05140104130080	INN04D8_T1044	INN04D8	T1044	SOUTH FORK BLUE RIVER	1.53	3280	2002	M	P20,X21,X42	Impaired Biotic Communities	400	2002
05140104	05140104140010	INN04E1_T1001	INN04E1	T1001	BLUE RIVER	10.64	2791	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	199	1998
05140104	05140104140010	INN04E1_T1040	INN04E1	T1040	BLUE RIVER	0.5	2792	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	199	1998
05140104	05140104140050	INN04E5_T1002	INN04E5	T1002	BLUE RIVER	12.52	2516	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	199	1998
05140104	05140104150010	INN04F1_T1003	INN04F1	T1003	BLUE RIVER	2.67	2517	2002	M	N42,P21,X20	PCBs, Hg, Pathogens	199	1998
05140104	05140104150020	INN04F2_T1004	INN04F2	T1004	BLUE RIVER	2.82	2518	2002	E	N42,P21,X20	PCBs, Hg, Pathogens	199	1998
05140104	05140104150030	INN04F3_T1005	INN04F3	T1005	BLUE RIVER	14.4	2519	2002	M	F20,F42,P21	PCBs, Hg	199	1998
05140104	05140104150050	INN04F5_T1006	INN04F5	T1006	BLUE RIVER	1.17	2520	1998	M	F20,P21,X42	PCBs, Hg	199	1998
05140104	05140104150060	INN04F6_T1007	INN04F6	T1007	BLUE RIVER	10.67	2790	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	199	1998
05140104	05140104150060	INN04F6_T1039	INN04F6	T1039	BLUE RIVER	0.5	2793	2002	M	F20,N42,P21	PCBs, Hg, Pathogens	199	1998
05140104	05140104150070	INN04F7_T1008	INN04F7	T1008	BLUE RIVER	2.28	2522	2002	M	N20,N42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	199	1998
05140104	05140104180030	INN04J3_T1047	INN04J3	T1047	LITTLE BLUE RIVER	5.26	3284	2002	M	N20,X21,X42	Impaired Biotic Communities, Sulfates, TDS	395	2002
05140104	05140104180040	INN04J4_T1048	INN04J4	T1048	OTTER CREEK TRIB	3.49	3287	2002	M	N20,X21,X42	Impaired Biotic Communities	394	2002
05140104	05140104180050	INN04J5_00	INN04J5	00	LITTLE BLUE RIVER-GRANTSBURG	11.28	3288	2002	M	N42,X20,X21	Pathogens	396	2002
05140104	05140104180070	INN04J7_T1046	INN04J7	T1046	BOGARD CREEK	1.87	3286	2002	M	N20,X21,X42	Impaired Biotic Communities	393	2002
05140104	05140104200070	INN04M7_00	INN04M7	00	OIL CREEK-WEBB BRANCH	4.68	3293	2002	M	N20,X21,X42	Impaired Biotic Communities	392	2002
05140104	05140104200080	INN04M8_00	INN04M8	00	LITTLE OIL CREEK	13.39	3294	2002	M	N20,N42,X21	Low Dissolved Oxygen, Pathogens	391	2002
05140104	05140104210030	INN04N3_00	INN04N3	00	BIG POISON CREEK	23.29	3295	2002	M	F42,N20,X21	Low Dissolved Oxygen	390	2002
05140104	05140104120040	INN04P1029_00	INN04P1029	00	LAKE SALINDIA	85	3061	2002	M	P50,X20,X21,X42	Taste and Odor, Algal Growth	476	
05120209	05120209090110	INP091B_P1001	INP091B	P1001	PATOKA LAKE DAM-LICK CREEK	43.99	1076	1998	M	P21,P50,X20,X42	Algal Growth, Exotic Species, Hg	195	1998
05120209	05120209020010	INP0921_T1002	INP0921	T1002	PATOKA RIVER	5.19	1079	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209020040	INP0924_T1003	INP0924	T1003	PATOKA RIVER	7.92	1082	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209020060	INP0926_T1004	INP0926	T1004	PATOKA RIVER-LOND DITCH	13.13	1084	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209020080	INP0928_T1005	INP0928	T1005	PATOKA RIVER	12.06	1087	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209040060	INP0946_T1006	INP0946	T1006	PATOKA RIVER	4.06	1100	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209040070	INP0947_T1007	INP0947	T1007	PATOKA RIVER	3.88	1102	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209040080	INP0948_T1008	INP0948	T1008	PATOKA RIVER	11.5	1104	1998	E	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060010	INP0961_T1009	INP0961	T1009	PATOKA RIVER	6.73	1109	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060020	INP0962_T1010	INP0962	T1010	PATOKA RIVER	1.34	1111	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060040	INP0964_T1011	INP0964	T1011	PATOKA RIVER	8.14	1114	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060050	INP0965_T1012	INP0965	T1012	PATOKA RIVER	5.14	1116	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060060	INP0966_T1013	INP0966	T1013	PATOKA RIVER	2.46	1118	1998	M	F20,F42,P21	PCBs, Hg	196	1998
05120209	05120209060080	INP0968_T1014	INP0968	T1014	PATOKA RIVER	3.17	1121	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209060090	INP0969_T1015	INP0969	T1015	PATOKA RIVER	1.33	1123	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209070010	INP0971_T1021	INP0971	T1021	SOUTH FORK PATOKA RIVER	4.7	1065	1998	M	F42,N20,X21	Impaired Biotic Communities	197	1998
05120209	05120209070020	INP0972_T1022	INP0972	T1022	SOUTH FORK PATOKA RIVER	1.28	1067	1998	M	F42,N20,X21	Impaired Biotic Communities	197	1998
05120209	05120209070030	INP0973_T1023	INP0973	T1023	SOUTH FORK PATOKA RIVER	2.17	1125	1998	M	F42,N20,X21	Impaired Biotic Communities	197	1998
05120209	05120209070050	INP0975_T1024	INP0975	T1024	SOUTH FORK PATOKA RIVER	7.77	1128	1998	M	F42,N20,X21	Impaired Biotic Communities	197	1998
05120209	05120209080010	INP0981_T1016	INP0981	T1016	PATOKA RIVER	3.65	2907	1998	M	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209080050	INP0985_T1017	INP0985	T1017	PATOKA RIVER	7.77	1133	1998	M	F20,F42,P21	PCBs, Hg	196	1998
05120209	05120209080060	INP0986_T1018	INP0986	T1018	PATOKA RIVER	5.58	1135	1998	M	F20,F42,P21	PCBs, Hg	196	1998
05120209	05120209080070	INP0987_T1019	INP0987	T1019	PATOKA RIVER	3.26	3349	2002	E	P21,X20,X42	PCBs, Hg	196	1998
05120209	05120209080080	INP0988_T1020	INP0988	T1020	PATOKA RIVER	18.38	1138	1998	M	F20,F42,P21	PCBs, Hg	196	1998
05120209	05120209020110	INP09P1001_00	INP09P1001	00	PATOKA RESERVOIR	8880	41	2002	M	P21,P50,X20,X42	Algal Growth, Exotic Species, Hg	195	1998
05090203	05090203030090	INV0339_T1024	INV0339	T1024	TANNERS CREEK	2.36	3212	2002	M	N20,X21,X42	Impaired Biotic Communities	384	2002
05090203	05090203040070	INV0347_T1026	INV0347	T1026	SOUTH HOGAN CREEK	6.62	3216	2002	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	382	2002
05090203	05090203040080	INV0348_T1025	INV0348	T1025	WHITAKER CREEK	6.34	3217	2002	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	382	2002
05090203	05090203040090	INV0349_T1027	INV0349	T1027	SOUTH HOGAN CREEK	2.91	3218	2002	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	382	2002
05090203	05090203060060	INV0366_P1003	INV0366	P1003	BISCHOFF RESERVOIR	2	2509	1998	M	P21,X20,X42,X50	Hg	198	1998
05090203	05090203060110	INV036B_T1029	INV036B	T1029	LAUGHERY CREEK	4.85	3224	2002	M	F20,N42,X21,X50	Pathogens	383	2002
05090203	05090203060130	INV036D_T1030	INV036D	T1030	LAUGHERY CREEK	0.29	3225	2002	M	F20,N42,X21	Pathogens	383	2002
05090203	05090203060140	INV036E_T1031	INV036E	T1031	LAUGHERY CREEK	7.05	3226	2002	M	F20,N42,X21	Pathogens	383	2002
05090203	05090203060160	INV036G_P1001	INV036G	P1001	VERSAILLES LAKE	3.5	2511	2002	E	X20,P21,X42,X50	Hg	208	1998
05090203	05090203080030	INV0383_00	INV0383	00	SOUTH FORK LAUGHERY CREEK-LOWER	16.8	3234	2002	M	N42,X20,X21	Pathogens	381	2002
05090203	05090203060160	INV03P1001_00	INV03P1001	00	VERSAILLES LAKE	230	3049	2002	M	P21,X50,X20,X42	Hg	208	1998
05090203	05090203060060	INV03P1003_00	INV03P1003	00	BISCHOFF RESERVOIR	200	3044	2002	M	P21,X20,X42,X50	Hg	474	2002
05120201	05120201010010	INW0111_T1001	INW0111	T1001	WHITE RIVER	8.83	1452	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010020	INW0112_T1002	INW0112	T1002	WHITE RIVER	7.29	1454	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010030	INW0113_T1003	INW0113	T1003	WHITE RIVER	0.48	1456	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010040	INW0114_T1004	INW0114	T1004	WHITE RIVER	6.63	1459	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010050	INW0115_T1005	INW0115	T1005	WHITE RIVER	4.82	1461	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010090	INW0119_T1006	INW0119	T1006	WHITE RIVER	3.55	1466	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010100	INW011A_T1007	INW011A	T1007	WHITE RIVER	6.88	1468	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120201	05120201010120	INW011C_T1008	INW011C	T1008	WHITE RIVER	6.04	1472	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201010130	INW011D_T1009	INW011D	T1009	WHITE RIVER	1.74	1474	2002	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	162	1998
05120201	05120201020020	INW0122_T1011	INW0122	T1011	Buck Creek	11.59	1476	1998	M	N20,P21,X42	Impaired Biotic Communities, PCBs, Hg	102	1998
05120201	05120201020060	INW0126_T1010	INW0126	T1010	WHITE RIVER	7.69	1481	1998	M	X20,P21,N42	PCBs, Hg, Pathogens	158	1998
05120201	05120201020060	INW0126_T1012	INW0126	T1012	BUCK CREEK	3.52	1480	1998	E	P20,P21,N42	Impaired Biotic Communities, PCBs, Hg, Pathogens	102	1998
05120201	05120201030010	INW0131_T1013	INW0131	T1013	WHITE RIVER	3.13	1483	1998	M	X20,P21,N42	PCBs, Hg, Pathogens	158	1998
05120201	05120201030020	INW0132_T1014	INW0132	T1014	WHITE RIVER	5.26	1485	1998	M	X20,P21,N42	PCBs, Hg, Pathogens	158	1998
05120201	05120201030030	INW0133_T1015	INW0133	T1015	White River - Chesterfield to Anderson	8.05	1486	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Pathogens	157	1998
05120201	05120201040050	INW0145_T1016	INW0145	T1016	KILLBUCK CREEK	7.59	1492	1998	M	F42,P20,P21	Impaired Biotic Communities, Pathogens, PCBs, Hg	125	1998
05120201	05120201040070	INW0147_T1017	INW0147	T1017	Killbuck Creek - to mouth	1.87	1494	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	125	1998
05120201	05120201040080	INW0148_T1018	INW0148	T1018	White River - Anderson to Indian Cr	6.02	1496	1998	M	N42,P20,X21	Impaired Biotic Communities, PCBs, Pathogens	157	1998
05120201	05120201040100	INW014A_T1019	INW014A	T1019	WHITE RIVER-PERKINSVILLE	8.67	1498	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Pathogens	157	1998
05120201	05120201050020	INW0152_T1020	INW0152	T1020	PIPE CREEK	4.16	1515	1998	M	N42,P20,P21	Impaired Biotic Communities, Pathogens, PCBs, Hg	136	1998
05120201	05120201050030	INW0153_T1021	INW0153	T1021	PIPE CREEK	4.08	1517	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	136	1998
05120201	05120201050040	INW0154_T1022	INW0154	T1022	PIPE CREEK	0.95	1519	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	136	1998
05120201	05120201050060	INW0156_T1023	INW0156	T1023	PIPE CREEK	2.45	1524	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	136	1998
05120201	05120201050070	INW0157_T1024	INW0157	T1024	PIPE CREEK	4.19	1525	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	136	1998
05120201	05120201050080	INW0158_T1025	INW0158	T1025	PIPE CREEK	2.86	1527	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	136	1998
05120201	05120201050090	INW0159_T1026	INW0159	T1026	PIPE CREEK - Swanfelt Dt to county line	6.33	1529	1998	M	N20,N42,P21	Impaired Biotic Communities, Pathogens, PCBs, Hg	136	1998
05120201	05120201060020	INW0162_T1028	INW0162	T1028	DUCK CREEK - Elwood to Lt Duck Cr	2.63	1532	1998	M	N42,X20,X21	Pathogens	107	1998
05120201	05120201060030	INW0163_T1029	INW0163	T1029	DUCK CREEK - Lt Duck Cr to Polywog Cr	1.22	1534	1998	M	N42,X20,X21	Pathogens	107	1998
05120201	05120201060040	INW0164_T1030	INW0164	T1030	DUCK CREEK	4.48	1536	1998	M	N42,X20,X21	Pathogens	107	1998
05120201	05120201060060	INW0166_T1031	INW0166	T1031	DUCK CREEK	4.14	1539	1998	M	N42,X20,X21	Pathogens	107	1998
05120201	05120201070010	INW0171_T1027	INW0171	T1027	WHITE RIVER - Pipe Cr to Duck Cr	5.51	1499	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	153	1998
05120201	05120201070020	INW0172_T1032	INW0172	T1032	WHITE RIVER - Duck Cr to Riverwood	3.83	1501	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	153	1998
05120201	05120201070030	INW0173_T1033	INW0173	T1033	WHITE RIVER - Riverwood to Cicero Cr	6.91	1503	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	153	1998
05120201	05120201070050	INW0175_T1039	INW0175	T1039	STONEY CREEK	3.81	1506	1998	M	P21,P20,X42	Impaired Biotic Communities, PCBs	145	1998
05120201	05120201070060	INW0176_T1040	INW0176	T1040	STONEY CREEK	2.7	1508		M	P21,P20,X42	Impaired Biotic Communities, PCBs	145	1998
05120201	05120201070070	INW0177_T1041	INW0177	T1041	STONEY CREEK	4.29	1510	1998	M	P21,P20,X42	Impaired Biotic Communities, PCBs	145	1998
05120201	05120201080080	INW0188_T1034	INW0188	T1034	LITTLE CICERO CREEK - headwaters	9.22	1551		M	F42,P20,X21	Impaired Biotic Communities	129	1998
05120201	05120201080090	INW0189_T1035	INW0189	T1035	LITTLE CICERO CREEK - lower	9.21	1553	1998	M	F42,P20,X21	Impaired Biotic Communities	129	1998
05120201	05120201080110	INW018B_P1036	INW018B	P1036	MORSE RESERVOIR	11.92	1556	1998	M	P21,P50,X20,X42	Hg, Taste and Odor, Noxious Aquatic Plants, Exotic Species	135	1998
05120201	05120201080120	INW018C_00	INW018C	00	SLY RUN AND OTHER TRIBUTARYS	11.83	1557	1998	M	F20,N42,X21	Pathogens	485	
05120201	05120201090010	INW0191_M1038	INW0191	M1038	WHITE RIVER	6.51	1512	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	151	1998
05120201	05120201090020	INW0192_M1052	INW0192	M1052	WHITE RIVER	2.15	1560	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	151	1998
05120201	05120201090040	INW0194_M1053	INW0194	M1053	WHITE RIVER	4.53	1563	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	151	1998
05120201	05120201090050	INW0195_M1054	INW0195	M1054	WHITE RIVER-HAVERSTICK CREEK/HOWLAND DITCH TRIBUTARYS	4.41	1564	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	151	1998
05120201	05120201090080	INW0198_M1055	INW0198	M1055	WHITE RIVER	7.62	1567	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	151	1998
05120201	05120201090080	INW0198_M1118	INW0198	M1118	WHITE RIVER	3.48	1568	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	150	1998
05120201	05120201100030	INW01A3_T1042	INW01A3	T1042	FALL CREEK	2.35	1573	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201100050	INW01A5_T1043	INW01A5	T1043	FALL CREEK-SUGAR FORK	1.93	1575	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201100060	INW01A6_T1044	INW01A6	T1044	FALL CREEK	5.18	1577	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201100090	INW01A9_T1045	INW01A9	T1045	FALL CREEK-PENDLETON TO LICK CREEK	9.41	1580	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201100120	INW01AC_T1046	INW01AC	T1046	FALL CREEK	1.41	1585		M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201100150	INW01AF_P1048	INW01AF	P1048	GEIST RESERVOIR	10.18	1583	1998	M	P21,X20,X42,X50	Hg	117	1998
05120201	05120201100150	INW01AF_T1047	INW01AF	T1047	FALL CREEK	1.27	1589	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	0512020110020	INW01B2_T1049	INW01B2	T1049	FALL CREEK	4.58	1592	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201110050	INW01B5_T1050	INW01B5	T1050	FALL CREEK-DEVON CREEK	15.75	1595	1998	M	F42,X20,P21	PCBs, Hg	114	1998
05120201	05120201110060	INW01B6_T1051	INW01B6	T1051	FALL CREEK	7.6	1597		M	F20,N42,X21	Pathogens	115	1998
05120201	05120201110060	INW01B6_T1057	INW01B6	T1057	MINNIE CREEK TRIBUTARYS	0.55	1596	1998	M	F20,N42,X21	Pathogens	121	1998
05120201	05120201120010	INW01C1_T1064	INW01C1	T1064	EAGLE CREEK	6.24	1599	1998	M	F20,N42,X21	Pathogens	110	1998
05120201	05120201120020	INW01C2_T1065	INW01C2	T1065	EAGLE CREEK	3.67	1601	1998	M	F20,N42,X21	Pathogens	110	1998
05120201	05120201120050	INW01C5_T1067	INW01C5	T1067	EAGLE CREEK	4.85	1606	1998	M	F20,N42,X21	Pathogens	110	1998
05120201	05120201120080	INW01C8_T1068	INW01C8	T1068	EAGLE CREEK	5.89	1610	1998	M	F20,N42,X21	Pathogens	110	1998
05120201	05120201120110	INW01CB_T1071	INW01CB	T1071	EAGLE CREEK-DAM TO LITTLE EAGLE CREEK	7.44	1614	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	110	1998
05120201	05120201120140	INW01CE_T1072	INW01CE	T1072	EAGLE CREEK-NEELD DITCH/BLUE LAKE	3.65	1617	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	110	1998
05120201	05120201130010	INW01D1_T1061	INW01D1	T1061	POQUES RUN	7.01	1619	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	140	1998
05120201	05120201130020	INW01D2_M1059	INW01D2	M1059	WHITE RIVER	2.55	1620	1998	E	N42,X20,P21	PCBs, Hg, Pathogens	148	1998
05120201	05120201130020	INW01D2_T1058	INW01D2	T1058	INDIANAPOLIS TRIBUTARYS	0.92	1621	1998	M	F20,N42,X21	Pathogens	121	1998
05120201	05120201130030	INW01D3_T1062	INW01D3	T1062	PLEASANT RUN	9.73	2743	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	137	1998
05120201	05120201130040	INW01D4_M1060	INW01D4	M1060	WHITE RIVER	3.41	1626	1998	M	N42,X20,P21	PCBs, Hg, Pathogens	148	1998
05120201	05120201130040	INW01D4_T1063	INW01D4	T1063	PLEASANT RUN	1.65	1625	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	137	1998
05120201	05120201130040	INW01D4_T1119	INW01D4	T1119	BEAN CREEK	5.15	1629	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	99	1998
05120201	05120201130060	INW01D6_M1075	INW01D6	M1075	WHITE RIVER	0.6	1631	1998	M	N42,X20,P21	PCBs, Hg, Pathogens	148	1998
05120201	05120201130070	INW01D7_T1073	INW01D7	T1073	STATE DITCH	4.35	1633	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	144	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120201	05120201130080	INW01D8_M1076	INW01D8	M1076	WHITE RIVER	4.41	1635	1998	M	N42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens, Cyanide, DO	149	1998
05120201	05120201130080	INW01D8_T1074	INW01D8	T1074	DOLLAR HIDE CREEK	3	1636	1998	M	N20,N42,X21	Impaired Biotic Communities, Pathogens	106	1998
05120201	05120201130100	INW01DA_M1077	INW01DA	M1077	WHITE RIVER-MANN CREEK/HARNESS DITCH	3.77	1638	1998	M	P20,P42,P21	PCBs, Hg, Pathogens, DO	149	1998
05120201	05120201140010	INW01E1_T1078	INW01E1	T1078	HONEY CREEK	8.57	1641	1998	M	F42,P20,X21	Impaired Biotic Communities	119	1998
05120201	05120201140030	INW01E3_M1079	INW01E3	M1079	WHITE RIVER	8.44	1644	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	154	1998
05120201	05120201140040	INW01E4_M1080	INW01E4	M1080	WHITE RIVER	4.56	1646		M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Cyanide, Pathogens	154	1998
05120201	05120201140060	INW01E6_M1081	INW01E6	M1081	WHITE RIVER	2.7	1649	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Cyanide, Pathogens	154	1998
05120201	05120201140070	INW01E7_00	INW01E7	00	NORTH PRONG STOTTS CREEK-HEADWATERS	5.69	1650	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140070	INW01E7_T1115	INW01E7	T1115	NORTH PRONG STOTTS CREEK LMTD USE WATERS	1.25	1653	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140080	INW01E8_T1121	INW01E8	T1121	NORTH PRONG STOTTS CREEK	2.71	1652	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140090	INW01E9_00	INW01E9	00	SOUTH PRONG STOTTS CREEK-HEADWATERS	7.34	1654	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140100	INW01EA_T1122	INW01EA	T1122	SOUTH PRONG STOTTS CREEK	2.03	1656	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140110	INW01EB_T1123	INW01EB	T1123	SOUTH PRONG STOTTS CREEK	3.86	1658	1998	M	F42,P20,X21	Impaired Biotic Communities	347	2002
05120201	05120201140130	INW01ED_M1082	INW01ED	M1082	WHITE RIVER-HENDERSON BRIDGE	3.9	1660	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Cyanide, Pathogens	154	1998
05120201	05120201150010	INW01F1_T1083	INW01F1	T1083	WHITE LICK CREEK	6.35	1663	1998	M	F20,F42,P21	PCBs, Hg	163	1998
05120201	05120201150020	INW01F2_T1084	INW01F2	T1084	WHITE LICK CREEK	8.03	1665	1998	M	F20,F42,P21	PCBs, Hg	163	1998
05120201	05120201150040	INW01F4_T1085	INW01F4	T1085	WHITE LICK CREEK	8	1668	1998	M	F20,F42,P21	PCBs, Hg	163	1998
05120201	05120201150050	INW01F5_T1086	INW01F5	T1086	WHITE LICK CREEK	2.38	1670	1998	M	F20,F42,P21	PCBs, Hg	163	1998
05120201	05120201150070	INW01F7_T1087	INW01F7	T1087	WHITE LICK CREEK-PLAINFIELD	8.65	1672	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	163	1998
05120201	05120201150120	INW01FC_T1088	INW01FC	T1088	WHITE LICK CREEK	0.96	1678	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	163	1998
05120201	05120201150130	INW01FD_T1089	INW01FD	T1089	WHITE LICK CREEK-MOORSEVILLE	2.78	1679	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	163	1998
05120201	05120201150140	INW01FE_T1107	INW01FE	T1107	EAST FORK WHITE LICK CREEK	7.13	1681	1998	M	F42,X20,P21	PCBs	109	1998
05120201	05120201150140	INW01FE_T1107	INW01FE	T1107	EAST FORK WHITE LICK CREEK	7.13	1681	1998	M	F42,P20,X21	Impaired Biotic Communities	108	1998
05120201	05120201150150	INW01FF_T1108	INW01FF	T1108	EAST FORK WHITE LICK CREEK	4.15	1682	1998	M	F20,F42,P21	PCBs	109	1998
05120201	05120201150150	INW01FF_T1124	INW01FF	T1124	EAST FORK WHITE LICK CREEK	0.75	1684	1998	M	F42,X20,P21	PCBs	109	1998
05120201	05120201150150	INW01FF_T1124	INW01FF	T1124	EAST FORK WHITE LICK CREEK	0.75	1684	1998	M	F42,P20,X21	Impaired Biotic Communities	108	1998
05120201	05120201150160	INW01FG_T1109	INW01FG	T1109	EAST FORK WHITE LICK CREEK	2.43	1686	1998	M	F20,F42,P21	PCBs	109	1998
05120201	05120201150170	INW01FH_T1090	INW01FH	T1090	WHITE LICK CREEK	4.24	1688	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	163	1998
05120201	05120201150180	INW01FJ_T1091	INW01FJ	T1091	WHITE LICK CREEK	5.3	1690	1998	M	F20,P42,P21	PCBs, Hg, Pathogens	163	1998
05120201	05120201160010	INW01G1_M1092	INW01G1	M1092	WHITE RIVER	3.93	1714	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201170030	INW01G3_M1093	INW01G3	M1093	WHITE RIVER	0.41	1717	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201160040	INW01G4_T1095	INW01G4	T1095	LAMBS CREEK	6.79	1719	1998	M	F20,N42,X21	Pathogens	127	1998
05120201	05120201160060	INW01G6_M1094	INW01G6	M1094	WHITE RIVER	8.95	1723	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201170010	INW01H1_T1097	INW01H1	T1097	INDIAN CREEK HEADWATERS (BROWN)	6.96	1691	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170020	INW01H2_T1098	INW01H2	T1098	INDIAN CREEK	0.47	1693	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170030	INW01H3_T1099	INW01H3	T1099	INDIAN CREEK-BEAR CREEK	3.8	1694	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170040	INW01H4_T1100	INW01H4	T1100	INDIAN CREEK	1.77	1696	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170050	INW01H5_T1101	INW01H5	T1101	INDIAN CREEK	3.75	1698	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170060	INW01H6_T1102	INW01H6	T1102	INDIAN CREEK-ROBERTSON CREEK	5.32	1699	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201170070	INW01H7_T1103	INW01H7	T1103	INDIAN CREEK	4.73	1701	1998	M	F20,N42,X21	Pathogens	120	1998
05120201	05120201180030	INW01J3_M1104	INW01J3	M1104	WHITE RIVER-PARAGON BRIDGE	6.06	1704	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201180060	INW01J6_M1105	INW01J6	M1105	WHITE RIVER	3.74	1708	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201180090	INW01J9_M1106	INW01J9	M1106	WHITE RIVER	5.09	1712	1998	M	P20,P42,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	152	1998
05120201	05120201080110	INW01P1036_00	INW01P1036	00	MORSE RESERVOIR	1800	3026	2002	M	P21,P50,X20,X42	Hg, Taste and Odor, Noxious Aquatic Plants, Exotic Species	135	1998
05120201	05120201100150	INW01P1048_00	INW01P1048	00	GEIST RESERVOIR	1478	3027	2002	M	P21,P50,X20,X42	Taste and Odor, Noxious Aquatic Plants, Nutrients, PCBs, Hg	117	1998
05120201	05120201120100	INW01P1069_00	INW01P1069	00	EAGLE CREEK RESERVOIR	1350	3017	2002	M	P20,P21,P50,X42	Nutrients, Taste and Odor, Algal Growth, PCBs	464	2002
05120202	05120202010010	INW0211_T1001	INW0211	T1001	BEANBLOSSOM CREEK	7.69	1725	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010030	INW0213_T1002	INW0213	T1002	BEANBLOSSOM CREEK	4.25	1728	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010040	INW0214_T1053	INW0214	T1053	BEANBLOSSOM CREEK	1.62	1731	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010050	INW0215_T1004	INW0215	T1004	BEANBLOSSOM CREEK	6.57	1733	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010060	INW0216_T1005	INW0216	T1005	BEANBLOSSOM CREEK	5.26	1735	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010070	INW0217_T1015	INW0217	T1015	S.F. GRIFFY CR	1.78	1737	1998	M	F42,P20,X21	Impaired Biotic Communities	143	1998
05120202	05120202010080	INW0218_T1006	INW0218	T1006	BEANBLOSSOM CREEK	10.07	1738	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010080	INW0218_T1016	INW0218	T1016	STOUT CREEK	4.79	1739	1998	M	F20,F42,P21	PCBs, Hg	146	1998
05120202	05120202010090	INW0219_T1007	INW0219	T1007	BEANBLOSSOM CREEK	4.94	1741	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010100	INW021A_T1008	INW021A	T1008	BEANBLOSSOM CREEK	2.77	1742	1998	M	F20,N42,X21	Pathogens	100	1998
05120202	05120202010100	INW021A_T1017	INW021A	T1017	JACKS DEFEAT CREEK	9.79	1743	1998	M	F42,P20,X21	Impaired Biotic Communities	122	1998
05120202	05120202020010	INW0221_M1009	INW0221	M1009	WHITE RIVER	5.96	1745	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202020030	INW0223_M1010	INW0223	M1010	WHITE RIVER	2.49	1748	1998	M	P42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202020030	INW0223_T1018	INW0223	T1018	MCCORMICKS CREEK	7.08	1749	1998	M	F42,P20,X21	Impaired Biotic Communities	133	1998
05120202	05120202020040	INW0224_M1011	INW0224	M1011	WHITE RIVER	7.17	1751	1998	M	P20,X21,N42	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202020050	INW0225_T1059	INW0225	T1059	RATTLESNAKE CREEK	3.37	1753	1998	M	P20,X21,X42	Impaired Biotic Communities	367	2002
05120202	05120202020060	INW0226_M1012	INW0226	M1012	WHITE RIVER	12.31	1755	1998	M	P20,X21,N42	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202020090	INW0229_M1013	INW0229	M1013	WHITE RIVER	3.38	1759	1998	M	P20,X21,N42	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202020100	INW022A_T1025	INW022A	T1025	EAST FORK FISH CREEK	3.46	1761	1998	M	F42,P20,X21	Impaired Biotic Communities	111	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120202	05120202020100	INW022A_T1060	INW022A	T1060	UNNAMED BRANCH E.F. FISH CREEK	2.5	1763	1998	M	F42,P20,X21	Impaired Biotic Communities	111	2002
05120202	05120202020150	INW022F_M1014	INW022F	M1014	WHITE RIVER	4.86	1772	1998	M	F20,F42,P21	PCBs, Hg	159	1998
05120202	05120202020150	INW022F_M1061	INW022F	M1061	WHITE RIVER	2.15	1773	1998	M	P20,X21,N42	Impaired Biotic Communities, PCBs, Hg, Pathogens	155	1998
05120202	05120202030010	INW0231_M1026	INW0231	M1026	WHITE RIVER	4.01	1777	1998	M	F20,F42,P21	PCBs, Hg	159	1998
05120202	05120202030050	INW0235_M1027	INW0235	M1027	WHITE RIVER	9.96	1776	1998	M	F20,F42,P21	PCBs, Hg	159	1998
05120202	05120202040010	INW0241_T1019	INW0241	T1019	RICHLAND CREEK	7.17	1778	1998	M	N42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	142	1998
05120202	05120202040020	INW0242_T1020	INW0242	T1020	RICHLAND CREEK	11.88	1779	1998	M	N42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	142	1998
05120202	05120202040030	INW0243_T1021	INW0243	T1021	RICHLAND CREEK	5.98	1781	1998	M	N42,P20,P21	Impaired Biotic Communities, PCBs, Hg, Pathogens	142	1998
05120202	05120202040050	INW0245_T1022	INW0245	T1022	RICHLAND CREEK	9.24	1784	1998	M	N42,P20,P21	Impaired Biotic Communities, Pathogens, PCBs, Hg	142	1998
05120202	05120202040060	INW0246_T1023	INW0246	T1023	PLUMMER CREEK	7.47	1786	1998	M	F20,N42,X21	Pathogens	139	1998
05120202	05120202040090	INW0249_T1024	INW0249	T1024	PLUMMER CREEK	7.58	1789	1998	M	F20,N42,X21	Pathogens	139	1998
05120202	05120202050010	INW0251_M1028	INW0251	M1028	WHITE RIVER	5.46	1791	1998	M	F42,P20,X21	Impaired Biotic Communities, PCBs, Hg	156	1998
05120202	05120202050040	INW0254_M1029	INW0254	M1029	WHITE RIVER-NEWBERRY TRIBS	4.77	1794	1998	M	F42,P20,X21	Impaired Biotic Communities, PCBs, Hg	156	1998
05120202	05120202050060	INW0256_T1030	INW0256	T1030	FIRST CREEK	4.68	1798	1998	M	F20,N42,X21	Pathogens	116	1998
05120202	05120202050070	INW0257_T1031	INW0257	T1031	FIRST CREEK	11.91	1800	1998	M	F20,N42,X21	Pathogens	116	1998
05120202	05120202050090	INW0259_M1032	INW0259	M1032	WHITE RIVER	8.64	1804	1998	M	X42,P20,X21	Impaired Biotic Communities, PCBs, Hg	156	1998
05120202	05120202050100	INW025A_M1033	INW025A	M1033	White River - Elnora to Smothers Cr cutoff	11.41	1805	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	160	1998
05120202	05120202060070	INW0267_M1034	INW0267	M1034	White River - Smother Cr cutoff to Black Cr	3.48	1815	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	160	1998
05120202	05120202070010	INW0271_M1035	INW0271	M1035	White River - Black Cr Edwardsport	1.41	1817	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	160	1998
05120202	05120202070020	INW0272_M1036	INW0272	M1036	White River - Edwardsport to Indian Creek	8.07	1819	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	160	1998
05120202	05120202070050	INW0275_M1037	INW0275	M1037	White River - Wheatland	9.52	1823	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	160	1998
05120202	05120202080010	INW0281_P1045	INW0281	P1045	NORTH FORK PRAIRIE CREEK (RESERVOIR)	1.96	1838	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080010	INW0281_T1044	INW0281	T1044	NORTH FORK PRAIRIE CREEK	5.57	1839	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080020	INW0282_T1046	INW0282	T1046	NORTH FORK PRAIRIE CREEK	4.44	1841	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080030	INW0283_T1047	INW0283	T1047	NORTH FORK PRARIE CREEK	7.38	1843	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080040	INW0284_P1048	INW0284	P1048	SOUTH FORK PRARIE CREEK (RESERVOIR)	0.22	1845	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080040	INW0284_T1049	INW0284	T1049	SOUTH FORK PRARIE CREEK	2.27	1846	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080050	INW0285_T1050	INW0285	T1050	SOUTH FORK PRAIRIE CREEK	4.39	1848	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202080060	INW0286_T1051	INW0286	T1051	SOUTH FORK PRARIE CREEK	4.38	1850	1998	M	N42,X20,X21	Pathogens	141	1998
05120202	05120202090010	INW0291_M1039	INW0291	M1039	White River - Maysville	6.68	1825	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	161	1998
05120202	05120202090010	INW0291_T1038	INW0291	T1038	HAWKINS CREEK	3.93	1826	1998	M	N20,X21,X42	Impaired Biotic Communities	118	1998
05120202	05120202090040	INW0294_T1041	INW0294	T1041	KESSINGER DITCH	6.89	1830	1998	M	F20,N42,X21	Pathogens	124	1998
05120202	05120202090060	INW0296_T1042	INW0296	T1042	KESSINGER DITCH	9.55	1833	1998	M	F20,N42,X21	Pathogens	124	1998
05120202	05120202090070	INW0297_M1040	INW0297	M1040	WHITE RIVER	7.02	1835	1998	M	P20,P21,X42	Impaired Biotic Communities, PCBs, Hg	161	1998
05120202	05120202100030	INW02A3_M1052	INW02A3	M1052	WHITE RIVER	18.02	1861	1998	M	F42,P20,P21	Impaired Biotic Communities, PCBs, Hg	188	1998
05120202	05120202100030	INW02A3_M1052	INW02A3	M1052	WHITE RIVER	18.02	1861	1998	M	F42,P20,X21	Impaired Biotic Communities	188	1998
05120202	05120202100100	INW02AA_M1055	INW02AA	M1055	WHITE RIVER	13.57	1869	1998	M	F42,X20,P21	PCBs, Hg	188	1998
05120202	05120202100100	INW02AA_M1055	INW02AA	M1055	WHITE RIVER	13.57	1869	1998	M	F42,P20,X21	Impaired Biotic Communities	188	1998
05120202	05120202100120	INW02AC_M1056	INW02AC	M1056	WHITE RIVER	18.99	1872	1998	M	F42,X20,P21	PCBs, Hg	188	1998
05120202	05120202100120	INW02AC_M1056	INW02AC	M1056	WHITE RIVER	18.99	1872	1998	M	F42,P20,X21	Impaired Biotic Communities	188	1998
05120202	05120202010040	INW02P1003_00	INW02P1003	00	LAKE LEMON	1650	3028	2002	M	P21,X20,X42	PCBs, Hg	126	2002
05120202	05120202010070	INW02P1079_00	INW02P1079	00	GRIFFY RESERVOIR	130	2664	2002	M	P21,X20,X42	Hg	469	2002
05120203	05120203020010	INW0321_T1001	INW0321	T1001	BIG WALNUT CREEK	5.07	1887	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203020010	INW0321_T1001	INW0321	T1001	BIG WALNUT CREEK	5.07	1887	1998	M	F20,P21,X42	Hg	101	1998
05120203	05120203020020	INW0322_T1002	INW0322	T1002	BIG WALNUT CREEK-ERNIE PYLE MEMORIAL	8.83	1888	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203020020	INW0322_T1002	INW0322	T1002	BIG WALNUT CREEK-ERNIE PYLE MEMORIAL	8.83	1888	1998	M	F20,P21,X42	Hg	101	1998
05120203	05120203020030	INW0323_T1003	INW0323	T1003	BIG WALNUT CREEK	3.17	1890	1998	M	F20,F42,P21	Hg	101	1998
05120203	05120203020030	INW0323_T1003	INW0323	T1003	BIG WALNUT CREEK	3.17	1890	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203020030	INW0323_T1026	INW0323	T1026	PLUM CREEK	5.97	1891	1998	M	F42,P20,X21	Impaired Biotic Communities	138	1998
05120203	05120203020060	INW0326_T1004	INW0326	T1004	BIG WALNUT CREEK	2.86	1895	1998	M	F20,F42,P21	Hg	101	1998
05120203	05120203020060	INW0326_T1004	INW0326	T1004	BIG WALNUT CREEK	2.86	1895	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203020070	INW0327_T1005	INW0327	T1005	BIG WALNUT CREEK	9.34	1897	1998	M	F20,F42,P21	Hg	101	1998
05120203	05120203020070	INW0327_T1005	INW0327	T1005	BIG WALNUT CREEK	9.34	1897	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203030030	INW0333_T1008	INW0333	T1008	JONES CREEK	7.97	1906	1998	M	F42,P20,X21	Impaired Biotic Communities	123	1998
05120203	05120203040010	INW0341_T1006	INW0341	T1006	BIG WALNUT CREEK	8.58	1900	1998	M	F20,F42,P21	Hg	101	1998
05120203	05120203040010	INW0341_T1006	INW0341	T1006	BIG WALNUT CREEK	8.58	1900	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203040010	INW0341_T1027	INW0341	T1027	MAIDEN RUN	2.64	1898	1998	M	F42,P20,X21	Impaired Biotic Communities	131	1998
05120203	05120203040020	INW0342_T1007	INW0342	T1007	BIG WALNUT CREEK	4.41	1902	1998	M	F20,F42,P21	Hg	101	1998
05120203	05120203040020	INW0342_T1007	INW0342	T1007	BIG WALNUT CREEK	4.41	1902	1998	M	F20,N42,X21	Pathogens	101	1998
05120203	05120203050020	INW0352_T1009	INW0352	T1009	LITTLE DEER CREEK	5.87	1911	1998	M	F42,P20,X21	Impaired Biotic Communities	130	1998
05120203	05120203060010	INW0361_T1010	INW0361	T1010	MILL CREEK-HEADWATERS (HENDRICKS)	9.96	1917	1998	M	F20,N42,X21	Pathogens	134	1998
05120203	05120203060020	INW0362_T1011	INW0362	T1011	MILL CREEK	0.83	1921	1998	M	F20,N42,X21	Pathogens	134	1998
05120203	05120203060050	INW0365_T1012	INW0365	T1012	MILL CREEK	1.28	1924	1998	M	F20,N42,X21	Pathogens	134	1998
05120203	05120203060170	INW036H_P1013	INW036H	P1013	CAGLE MILL LAKE	9.78	1937	1998	M	X20,X42,P21	Hg	103	1998
05120203	05120203090030	INW0393_T1014	INW0393	T1014	EEL RIVER	6.31	1956	1998	M	F20,F42,P21	PCBs, Hg	113	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120203	05120203090040	INW0394_T1016	INW0394	T1016	EEL RIVER	2.79	1958	1998	M	F20,F42,P21	PCBs, Hg	113	1998
05120203	05120203090050	INW0395_T1019	INW0395	T1019	CONNELLY DITCH-HEADWATERS	7.51	1959	1998	M	F20,N42,X21	Pathogens	105	1998
05120203	05120203090060	INW0396_T1020	INW0396	T1020	CONNELLY DITCH	5.28	1961	1998	M	F20,N42,X21	Pathogens	105	1998
05120203	05120203090070	INW0397_T1018	INW0397	T1018	EEL RIVER	3.07	1963	1998	M	F20,N42,X21	Pathogens	112	1998
05120203	05120203090070	INW0397_T1018	INW0397	T1018	EEL RIVER	3.07	1963	1998	M	F20,X42,P21	PCBs, Hg	113	1998
05120203	05120203090080	INW0398_T1015	INW0398	T1015	EEL RIVER	3.88	1965	1998	M	F20,N42,X21	Pathogens	112	1998
05120203	05120203090080	INW0398_T1015	INW0398	T1015	EEL RIVER	3.88	1965	1998	M	F20,N42,P21	PCBs, Hg	113	1998
05120203	05120203090080	INW0398_T1017	INW0398	T1017	WABASH & ERIE CANAL	4.95	1966	1998	M	F20,N42,X21	Pathogens	147	1998
05120203	05120203090100	INW039A_T1021	INW039A	T1021	LICK CREEK	5.15	1969	1998	M	F20,N42,X21	Pathogens	128	1998
05120203	05120203090110	INW039B_T1022	INW039B	T1022	LICK CREEK	5.51	1971	1998	M	F20,N42,X21	Pathogens	128	1998
05120203	05120203090120	INW039C_T1024	INW039C	T1024	EEL RIVER	2.71	1974	1998	M	F20,N42,X21	Pathogens	112	1998
05120203	05120203090120	INW039C_T1024	INW039C	T1024	EEL RIVER	2.71	1974	1998	M	F20,N42,P21	PCBs, Hg	113	1998
05120203	05120203090140	INW039D_T1025	INW039D	T1025	EEL RIVER	3.12	1976	1998	M	F20,N42,X21	Pathogens	112	1998
05120203	05120203090140	INW039D_T1025	INW039D	T1025	EEL RIVER	3.12	1976	1998	M	F20,N42,P21	PCBs, Hg	113	1998
05120203	05120203060170	INW03P1013_00	INW03P1013	00	CAGLES MILL LAKE	1400	2668	2002	M	P21,X20,X42	Hg	103	2002
05120204	05120204010010	INW0411_T1001	INW0411	T1001	BIG BLUE RIVER	1.64	1978	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010020	INW0412_T1002	INW0412	T1002	BIG BLUE RIVER	6.55	1980	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010040	INW0414_T1003	INW0414	T1003	BIG BLUE RIVER	6.01	1983	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010050	INW0415_T1004	INW0415	T1004	BIG BLUE RIVER	2.63	1985	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010080	INW0418_T1005	INW0418	T1005	BIG BLUE RIVER	4.96	1989	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010110	INW041B_T1006	INW041B	T1006	BIG BLUE RIVER	2.1	1993	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010120	INW041C_T1007	INW041C	T1007	BIG BLUE RIVER	2.04	1995	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010130	INW041D_T1008	INW041D	T1008	BIG BLUE RIVER	1.83	1997	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204010140	INW041E_T1009	INW041E	T1009	BIG BLUE RIVER	6.81	1999	1998	M	X20,N42,P21	PCBs, Hg, Pathogens	164	1998
05120204	05120204020030	INW0423_T1010	INW0423	T1010	BIG BLUE RIVER	1.32	2003	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204020050	INW0425_T1011	INW0425	T1011	BIG BLUE RIVER	2.76	2004	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204020060	INW0426_T1012	INW0426	T1012	BIG BLUE RIVER-PRAIRE BRANCH (SHELBY)	4.8	2005	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204020070	INW0427_T1013	INW0427	T1013	BIG BLUE RIVER-BASS DITCH	10	2006	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204020080	INW0428_T1014	INW0428	T1014	BIG BLUE RIVER	2.1	2007	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204030050	INW0435_T1016	INW0435	T1016	LITTLE BLUE RIVER	2.12	2008	1998	M	F20,P21,N42	PCBs, Pathogens	174	1998
05120204	05120204030060	INW0436_T1015	INW0436	T1015	LITTLE BLUE RIVER	11.56	2011	1998	M	F20,P21,N42	PCBs, Pathogens	174	1998
05120204	05120204030070	INW0437_T1017	INW0437	T1017	BIG BLUE RIVER	5.98	2013	1998	M	F20,F42,P21	PCBs	164	1998
05120204	05120204040010	INW0441_T1021	INW0441	T1021	BRANDYWINE CREEK	5.14	2015	1998	M	F20,F42,P21	Hg	165	1998
05120204	05120204040020	INW0442_T1022	INW0442	T1022	BRANDYWINE CREEK	7.2	2017	1998	M	F20,F42,P21	Hg	165	1998
05120204	05120204040030	INW0443_T1023	INW0443	T1023	BRANDYWINE CREEK	6.54	2019	1998	M	F20,F42,P21	Hg	165	1998
05120204	05120204040050	INW0445_T1024	INW0445	T1024	BRANDYWINE CREEK	4.84	2022	1998	M	F20,F42,P21	Hg	165	1998
05120204	05120204040060	INW0446_T1025	INW0446	T1025	BRANDYWINE CREEK	2.76	2024	1998	M	F20,F42,P21	Hg	165	1998
05120204	05120204050010	INW0451_T1018	INW0451	T1018	BIG BLUE RIVER-SR44	7.05	2027	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204050030	INW0453_T1019	INW0453	T1019	BIG BLUE RIVER-MARIETTA	3.35	2029	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204050050	INW0455_T1020	INW0455	T1020	BIG BLUE RIVER	8.6	2031	1998	M	F42,X20,P21	PCBs	164	1998
05120204	05120204060010	INW0461_T1028	INW0461	T1028	SUGAR CREEK	10.01	2033	1998	M	F20,N42,P21	Hg, Pathogens	183	1998
05120204	05120204060020	INW0462_T1029	INW0462	T1029	SUGAR CREEK	8.97	2035	1998	M	F20,N42,P21	Hg, Pathogens	183	1998
05120204	05120204060030	INW0463_T1030	INW0463	T1030	SUGAR CREEK	10.03	2037	1998	M	F20,N42,P21	Hg, Pathogens	183	1998
05120204	05120204060040	INW0464_T1031	INW0464	T1031	SUGAR CREEK	6.93	2039	1998	M	F20,N42,P21	Hg, Pathogens	183	1998
05120204	05120204060050	INW0465_T1032	INW0465	T1032	SUGAR CREEK SMITH-JOHNSON DITCH	8.84	2040	1998	M	F20,N42,P21	Hg, Pathogens	183	1998
05120204	05120204060060	INW0466_T1026	INW0466	T1026	LITTLE SUGAR CREEK	3	2042	1998	M	F20,P21,X42	PCBs, Hg	175	1998
05120204	05120204060080	INW0468_T1033	INW0468	T1033	SUGAR CREEK-SUGAR CREEK (TOWN)	5.92	2045	1998	M	F20,F42,P21	PCBs, Hg	184	1998
05120204	05120204070050	INW0475_00	INW0475	00	BUCK CREEK-BIG RUN/WILDCATS	18.62	2050	1998	M	F20,N42,X21	Pathogens	350	2002
05120204	05140202080010	INW0481_T1034	INW0481	T1034	SUGAR CREEK-BROAD RIPPLE CAMP	4.09	2052		M	F20,P21,N42	PCBs, Hg, Pathogens	184	1998
05120204	05140202080050	INW0485_T1035	INW0485	T1035	SUGAR CREEK-NEEDHAM	6.21	2056	1998	M	F20,P21,N42	PCBs, Hg, Pathogens	184	1998
05120204	05120204080060	INW0488_00	INW0488	00	LITTLE SUGAR CREEK	4.72	2767	1998	M	F20,N42,X21	Pathogens	349	2002
05120204	05140202080090	INW0489_T1036	INW0489	T1036	SUGAR CREEK	2.03	2060	1998	M	F20,P21,X42	PCBs, Hg	184	1998
05120204	05140202080100	INW048A_T1037	INW048A	T1037	SUGAR CREEK	10.12	2062	1998	M	F20,P21,X42	PCBs, Hg	184	1998
05120204	05120204090020	INW0492_T1039	INW0492	T1039	YOUNGS CREEK	3.19	2065	1998	M	F20,N42,P21	PCBs	187	1998
05120204	05120204090020	INW0492_T1039	INW0492	T1039	YOUNGS CREEK	3.19	2065	1998	M	F20,N42,X21	Pathogens	187	1998
05120204	05120204090020	INW0492_T1096	INW0492	T1096	YOUNGS CREEK	4.3	2066	1998	M	F20,N42,P21	PCBs, Pathogens	187	1998
05120204	05140202090030	INW0493_T1040	INW0493	T1040	YOUNGS CREEK	1.96	2068	1998	M	F20,N42,P21	PCBs	187	1998
05120204	05140202090030	INW0493_T1040	INW0493	T1040	YOUNGS CREEK	1.96	2068	1998	M	F20,N42,X21	Pathogens	187	1998
05120204	05140202090030	INW0493_T1050	INW0493	T1050	BREWER DITCH	2.5	2069	1998	M	F20,N42,X21	Pathogens	378	2002
05120204	05140202090040	INW0494_T1041	INW0494	T1041	YOUNGS CREEK	4.14	2071	1998	M	F20,N42,P21	PCBs	187	1998
05120204	05140202090040	INW0494_T1041	INW0494	T1041	YOUNGS CREEK	4.14	2071	1998	M	F20,N42,X21	Pathogens	187	1998
05120204	05140202090050	INW0496_T1042	INW0496	T1042	YOUNGS CREEK	4.58	2074	1998	M	F20,N42,P21	PCBs	187	1998
05120204	05140202090050	INW0496_T1042	INW0496	T1042	YOUNGS CREEK	4.58	2074	1998	M	F20,N42,X21	Pathogens	187	1998
05120204	05140202090060	INW0497_T1043	INW0497	T1043	YOUNGS CREEK	4.49	2076	1998	M	F20,N42,P21	PCBs	187	1998
05120204	05140202090060	INW0497_T1043	INW0497	T1043	YOUNGS CREEK	4.49	2076	1998	M	F20,N42,X21	Pathogens	187	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120204	05140202090080	INW0498_T1038	INW0498	T1038	SUGAR CREEK	5.12	2078	1998	M	F20,F42,P21	PCBs, Hg	184	1998
05120204	05120204090010	INW04A6_M1047	INW0491	00	DRIFTWOOD RIVER	11.91	2063	1998	M	F20,N42,X21	Pathogens	348	2002
05120205	05120205010060	INW0516_T1001	INW0516	T1001	FLATROCK RIVER-APPLEBUTTER CREEK	3.16	2096	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205010080	INW0518_T1002	INW0518	T1002	FLATROCK RIVER	4.94	2099	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205010130	INW051D_T1003	INW051D	T1003	FLATROCK RIVER-PLUM CREEK CHURCH	2.72	2104	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020010	INW0521_T1004	INW0521	T1004	FLATROCK RIVER-GRAVEL PITS	2.27	2107	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020030	INW0523_T1005	INW0523	T1005	FLATROCK RIVER-COVERED BRIDGES	1.98	2109	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020050	INW0525_T1006	INW0525	T1006	FLATROCK RIVER	3.1	2112	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020060	INW0526_T1007	INW0526	T1007	FLATROCK RIVER	7.34	2114	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020080	INW0528_T1008	INW0528	T1008	FLATROCK RIVER-GAS WELLS	2.99	2116	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205020100	INW052A_T1009	INW052A	T1009	FLATROCK RIVER	9.93	2118	1998	M	X20,P21,X42	Hg	171	1998
05120205	05120205040010	INW0541_T1010	INW0541	T1010	FLATROCK RIVER-ST. OMER	4.22	2129	1998	M	F20,P21,P42	PCBs, Hg, Pathogens	172	1998
05120205	05120205040030	INW0543_T1011	INW0543	T1011	FLATROCK RIVER-GERMANTOWN (GAGE)	4.65	2131	1998	M	F20,P21,P42	PCBs, Hg, Pathogens	172	1998
05120205	05120205050010	INW0551_T1012	INW0551	T1012	FLATROCK RIVER-GENEVA	6.16	2143	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	172	1998
05120205	05120205050020	INW0552_T1013	INW0552	T1013	FLATROCK RIVER-WILLOW PARK	8.5	2144	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	172	1998
05120205	05120205050150	INW055F_T1014	INW055F	T1014	FLATROCK RIVER-FLATROCK	4.04	2156	1998	M	F20,N42,P21	PCBs, Hg, Pathogens	172	1998
05120205	05120205050170	INW055H_T1016	INW055H	T1016	FLATROCK RIVER-SEC 9	1.53	2158	1998	M	F20,N42,X21	Pathogens	172	2002
05120205	05120205050190	INW055K_T1017	INW055K	T1017	FLATROCK RIVER-NORTHCLIFF	6.38	2160	1998	M	F20,N42,X21	Pathogens	172	2002
05120205	05120205050210	INW055N_T1018	INW055N	T1018	FLATROCK RIVER	4.98	2163	1998	M	F20,N42,X21	Pathogens	172	2002
05120205	05120205060010	INW0561_M1015	INW0561	M1015	EAST FORK WHITE R-COLUMBUS	1.98	2164	1998	M	X20,P21,X42	PCBs	170	1998
05120206	05120206010120	INW061C_00	INW061C	00	CLIFTY CREEK-NEWBERN	5.31	2183	1998	M	F20,N42,X21	Pathogens	376	2002
05120206	05120206010160	INW061G_00	INW061G	00	CLIFTY CREEK-COLUMBUS	8.14	2187	1998	M	F20,N42,X21	Pathogens	376	2002
05120206	05120206020010	INW0621_M1012	INW0621	M1012	EAST FORK WHITE RIVER	3.26	2189	1998	M	X20,P21,X42	PCBs	170	1998
05120206	05120206020030	INW0623_M1013	INW0623	M1013	EAST FORK WHITE RIVER	5.17	2192	1998	M	X20,P21,X42	PCBs	170	1998
05120206	05120206020070	INW0627_M1014	INW0627	M1014	EAST FORK WHITE RIVER	5.17	2197	1998	M	X20,P21,X42	PCBs	170	1998
05120206	05120206030010	INW0631_T1002	INW0631	T1002	SAND CREEK	8.43	2199	1998	M	F20,P21,X42	PCBs, Hg	181	1998
05120206	05120206030020	INW0632_T1003	INW0632	T1003	SAND CREEK	5.63	2201	1998	M	F20,P21,X42	PCBs, Hg	181	1998
05120206	05120206030030	INW0633_T1001	INW0633	T1001	MUDDY FORK SAND CREEK	16.07	2203	1998	M	F20,P21,X42	PCBs, Hg	177	1998
05120206	05120206030040	INW0634_T1004	INW0634	T1004	SAND CREEK-GAYNORSVILLE	4.32	2204	1998	M	F20,P21,X42	PCBs, Hg	181	1998
05120206	05120206030070	INW0637_T1005	INW0637	T1005	SAND CREEK	7.45	2208	1998	M	F20,P21,X42	PCBs, Hg	181	1998
05120206	05120206030080	INW0638_T1006	INW0638	T1006	SAND CREEK	3.65	2210	1998	M	F20,P21,X42	PCBs, Hg	181	1998
05120206	05120206030090	INW0639_T1007	INW0639	T1007	SAND CREEK	7.46	2212	1998	M	F20,P21,X42	Hg	182	1998
05120206	05120206030100	INW063A_T1008	INW063A	T1008	SAND CREEK	4.07	2214	1998	M	F20,P21,X42	Hg	182	1998
05120206	05120206030110	INW063B_T1009	INW063B	T1009	SAND CREEK	7.95	2216	1998	M	F20,P21,X42	Hg	182	1998
05120206	05120206030170	INW063H_T1010	INW063H	T1010	SAND CREEK	6.45	2223	1998	M	F20,P21,X42	Hg	182	1998
05120206	05120206030190	INW063K_T1011	INW063K	T1011	SAND CREEK	4.24	2226	1998	M	F20,P21,X42	Hg	182	1998
05120206	05120206040010	INW0641_M1015	INW0641	M1015	EAST FORK WHITE R-REDDINGTON	8.43	2227	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120206	05120206040030	INW0643_M1016	INW0643	M1016	EAST FORK WHITE RIVER	8.08	2230	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120206	05120206040050	INW0645_M1017	INW0645	M1017	EAST FORK WHITE RIVER	11.15	2233	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120206	05120206050070	INW0657_T1024	INW0657	T1024	UNNAMED TRIBUTARY	3.48	2243	1998	M	N20,X21,X42	Low Dissolved Oxygen, Chlorides, TDS	375	2002
05120206	05120206060010	INW0661_M1018	INW0661	M1018	EAST FORK WHITE RIVER	2.13	2245	1998	M	F20,F42,N21	PCBs, Hg	169	1998
05120206	05120206060020	INW0662_M1019	INW0662	M1019	EAST FORK WHITE RIVER	3.54	2247	1998	M	F20,F42,P21	PCBs, Hg	169	1998
05120206	05120206060040	INW0664_M1020	INW0664	M1020	EAST FORK WHITE RIVER	3.73	2250	1998	M	F20,F42,P21	PCBs, Hg	169	1998
05120206	05120206060050	INW0665_M1021	INW0665	M1021	EAST FORK WHITE RIVER	6.81	2252	1998	M	F20,F42,P21	PCBs, Hg	169	1998
05120207	05120207010050	INW0715_00	INW0715	00	BIG CREEK-HENSLEY CREEK	15.09	2257	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010060	INW0716_00	INW0716	00	BIG CREEK-HARBERTS CREEK	3.5	2259	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010060	INW0716_T1007	INW0716	T1007	HARBERTS CREEK	11.6	2258	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010070	INW0717_00	INW0717	00	LITTLE CREEK-HEADWATERS (JEFFERSON)	5.78	2260	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010080	INW0718_00	INW0718	00	RAMSEY CREEK	9.35	2261	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010090	INW0719_00	INW0719	00	LITTLE CREEK-CHICKEN RUN	14.86	2262	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010100	INW071A_00	INW071A	00	BIG CREEK-WALTON CREEK	11.46	2263	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010110	INW071B_00	INW071B	00	NEILS CREEK	10.09	2264	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207010120	INW071C_00	INW071C	00	BIG CREEK-LEWIS CREEK	17.07	2265	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207030010	INW0731_00	INW0731	00	MUSCATATUCK RIVER-DEPUTY	4.23	2275	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207030020	INW0732_00	INW0732	00	COFFEE CREEK	11.74	2276	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207030030	INW0733_00	INW0733	00	MUSCATATUCK-FOWER/SLATE/CROOKED CR	21.03	2277	1998	M	F20,N42,X21	Pathogens	378	2002
05120207	05120207090060	INW0796_T1002	INW0796	T1002	MUSCATATUCK RIVER	18.4	2330	1998	M	P21,X20,X42	PCBs, Hg	178	1998
05120207	05120207110010	INW07B1_M1003	INW07B1	M1003	MUCATATUCK RIVER	3.25	2333	1998	M	F20,P21,X42	PCBs, Hg	178	1998
05120207	05120207110050	INW07B5_M1004	INW07B5	M1004	MUSCATATUCK RIVER-SNYDER DITCH	3.61	2337	1998	M	F20,P21,X42	PCBs, Hg	178	1998
05120207	05120207110070	INW07B7_M1005	INW07B7	M1005	MUSCATATUCK RIVER	5.43	2340	1998	M	F20,P21,X42	PCBs, Hg	178	1998
05120207	05120207110060	INW07P1027_00	INW07P1027	00	STARVE HOLLOW LAKE	145	3048	2002	M	P21,X20,X42	Hg	475	2002
05120208	05120208010010	INW0811_M1001	INW0811	M1001	EAST FORK WHITE RIVER	4.31	2342	1998	M	F20,N21,X42	PCBs, Hg	169	1998
05120208	05120208010030	INW0813_M1002	INW0813	M1002	EAST FORK WHITE RIVER	4.51	2345	1998	M	F20,N21,X42	PCBs, Hg	169	1998
05120208	05120208020020	INW0822_M1003	INW0822	M1003	EAST FORK WHITE R-TUNNELTON	14.86	2352	1998	E	F20,P21,X42	PCBs, Hg	169	1998
05120208	05120208020040	INW0824_M1004	INW0824	M1004	EAST FORK WHITE RIVER	2.95	2355	1998	M	F20,P21,X42,X50	PCBs, Hg	169	1998

CU	HUC	WBSEID	WBID	SEGID	WBNAME	SIZE	ASID	CYCLE	ASCAT	DU	IMPAIRMENT	303d_NUM	YEAR303D
05120208	05120208020060	INW0826_M1005	INW0826	M1005	EAST FORK WHITE RIVER	3.24	2358	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120208	05120208040020	INW0842_M1006	INW0842	M1006	EAST FORK WHITE RIVER	5.61	2365	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120208	05120208040050	INW0845_M1007	INW0845	M1007	EAST FORK WHITE RIVER	1.98	2370	1998	M	F20,P21,X42	PCBs, Hg	169	1998
05120208	05120208040050	INW0845_M1053	INW0845	M1053	EAST FORK WHITE RIVER (ABOVE BEDFORD WATER INTAKE)	1.2	2369	1998	M	F20,P21,X42,X50	PCBs, Hg	169	1998
05120208	05120208050060	INW0856_P1017	INW0856	P1017	YELLOWWOOD LAKE	1.33	2378	1998	M	F20,P21,X42	Hg	186	1998
05120208	05120208080060	INW0886_P1024	INW0886	P1024	LAKE MONROE (LOWER)	19.45	2390	1998	M	P21,X20,X42,P50	Algal Growth, Exotic Species, Hg	176	1998
05120208	05120208080060	INW0886_T1026	INW0886	T1026	SALT CREEK	0.3	2391	2002	M	F20,F42,P21	PCBs, Hg	180	1998
05120208	05120208090010	INW0891_00	INW0891	00	UNNAMED TRIBUTARY OF JACKSON CREEK	1.16	2396	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	173	2002
05120208	05120208090010	INW0891_T1018	INW0891	T1018	JACKSON CREEK	5.62	2394	1998	M	N42,P20,X21	Impaired Biotic Communities, Pathogens	173	1998
05120208	05120208090010	INW0891_T1019	INW0891	T1019	EAST FORK JACKSON CREEK	3.7	2393	1998	M	X42,P20,X21	Impaired Biotic Communities	168	1998
05120208	05120208090010	INW0891_T1020	INW0891	T1020	CLEAR CREEK	4.32	2395	1998	M	N21,X42,X20	PCBs	166	1998
05120208	05120208090010	INW0891_T1020	INW0891	T1020	CLEAR CREEK	4.32	2395	1998	M	X21,N42,P20	Pathogens, Impaired Biotic Communities	166	1998
05120208	05120208090020	INW0892_00	INW0892	00	MAY CREEK AND OTHER TRIBUTARYS	4.79	2397	1998	M	F20,N42,X21	Pathogens	166	2002
05120208	05120208090020	INW0892_T1021	INW0892	T1021	CLEAR CREEK	8.12	2398	1998	E	N21,N42,X20	PCBs, Pathogens	166	1998
05120208	05120208090030	INW0893_00	INW0893	00	CLEAR CREEK-LITTLE CLEAR CREEK	8.24	2399	1998	M	F20,N42,X21	Pathogens	166	2002
05120208	05120208090030	INW0893_T1022	INW0893	T1022	CLEAR CREEK	6.04	2400	1998	M	N21,X42,X20	PCBs	166	1998
05120208	05120208090030	INW0893_T1022	INW0893	T1022	CLEAR CREEK	6.04	2400	1998	M	X21,N42,P20	Pathogens, Impaired Biotic Communities	166	1998
05120208	05120208090030	INW0893_T1025	INW0893	T1025	SALT CREEK	0.91	2392	2002	M	F20,F42,P21	PCBs	180	1998
05120208	05120208090040	INW0894_T1023	INW0894	T1023	SALT CREEK	5.19	2402	1998	M	F20,N21,X42	PCBs, Hg	180	1998
05120208	05120208090090	INW0899_T1027	INW0899	T1027	SALT CREEK	4.83	2407	1998	M	F20,N21,X42	PCBs, Hg	180	1998
05120208	05120208090090	INW0899_T1028	INW0899	T1028	PLEASANT RUN	7.96	2408	1998	M	N21,X20,X42	PCBs	179	1998
05120208	05120208090110	INW089B_T1029	INW089B	T1029	SALT CREEK	4.28	2411	1998	M	F20,N21,X42	PCBs, Hg	180	1998
05120208	05120208090120	INW089C_T1030	INW089C	T1030	SALT CREEK-DARK HOLLOW KARST AREA	9.06	2412	1998	M	F20,N21,X42	PCBs, Hg	180	1998
05120208	05120208090130	INW089D_T1031	INW089D	T1031	SALT CREEK	1.05	2414	1998	M	F20,N21,X42	PCBs, Hg	180	1998
05120208	05120208100020	INW08A2_M1008	INW08A2	M1008	EAST FORK WHITE RIVER	11.87	2416	1998	M	X20,P21,X42	PCBs, Hg	169	1998
05120208	05120208100030	INW08A3_M1009	INW08A3	M1009	EAST FORK WHITE RIVER	6.46	2418	1998	M	X20,P21,X42	PCBs, Hg	169	1998
05120208	05120208100030	INW08A3_M1058	INW08A3	M1058	EAST FORK WHITE RIVER	10	2419	1998	M	X20,P21,X42	PCBs	169	1998
05120208	05120208120010	INW08C1_M1010	INW08C1	M1010	EAST FORK WHITE R-SHOALS	7.38	2430	1998	M	X20,P21,X42	PCBs	169	1998
05120208	05120208120030	INW08C3_T1059	INW08C3	T1059	BEAVER CREEK	13.01	2432	2002	M	N20,X21,X42	Impaired Biotic Communities	369	2002
05120208	05120208120050	INW08C5_M1011	INW08C5	M1011	EAST FORK WHITE RIVER	6.62	2435	1998	M	X20,P21,X42	PCBs	169	1998
05120208	05120208140010	INW08E1_M1012	INW08E1	M1012	EAST FORK WHITE RIVER	3.31	2440	1998	M	X20,P21,X42	PCBs	170	1998
05120208	05120208140020	INW08E2_M1013	INW08E2	M1013	EAST FORK WHITE RIVER	4.37	2443	1998	M	X20,P21,X42	PCBs	170	1998
05120208	05120208140040	INW08E4_M1014	INW08E4	M1014	EAST FORK WHITE RIVER	5.86	2446	1998	M	X20,P21,X42	PCBs	170	1998
05120208	05120208160050	INW08G5_T1062	INW08G5	T1062	LICK CREEK (SCOTT HOLLOW TO MOUTH)	6.24	2463	1998	M	F20,N42,X21	Pathogens	368	2002
05120208	05120208160070	INW08G7_T1064	INW08G7	T1064	FRENCH LICK CREEK (SAND CREEK TO MOUTH)	1.04	2469	1998	M	F20,N42,X21	Pathogens	368	2002
05120208	05120208160080	INW08G8_T1036	INW08G8	T1036	LOST RIVER-WEST BADEN	5.81	2471	1998	M	F20,N42,X21	Pathogens	368	2002
05120208	05120208160080	INW08G8_T1065	INW08G8	T1065	LOST RIVER (ABOVE SPRINGS VALLEY INTAKE)	1.32	2472	1998	M	F20,N42,X21,X50	Pathogens	368	2002
05120208	05120208170010	INW08H1_M1015	INW08H1	M1015	EAST FORK WHITE RIVER	9.3	2484	1998	M	X20,P21,X42	PCBs	170	1998
05120208	05120208170060	INW08P1016_00	INW08P1016	00	DOGWOOD LAKE	1313	3045	2002	M	P21,X20,X42	Hg	167	2002
05120208	05120208050060	INW08P1017_00	INW08P1017	00	YELLOWWOOD LAKE	133	2669	2002	M	P21,X20,X42	Hg	471	2002
05120208	05120208170060	INW08P1024_00	INW08P1024	00	MONROE RESERVOIR (LOWER)	6863	3047	2002	M	P21,P50,X20,X42	Algal Growth, Exotic Species, Hg	176	1998
05120208	05120208010050	INW08P1051_00	INW08P1051	00	JOHN HAYS LAKE	210	3043	2002	M	P50,X20,X21,X42	Taste and Odor, Algal Growth	477	2002
05120208	05120208080040	INW08P1140_00	INW08P1140	00	MONROE RESERVOIR (UPPER)	3887	3055	2002	M	P21,P50,X20,X42	Taste and Odor, Algal Growth, Exotic Species, Hg	470	2002