

# Permitting, Funding, and Project Coordination



# Permits needed for work in a stream

- US Army Corps of Engineers CWA Section 404 permit
- IDEM CWA Section 401 Water Quality Certification
- IDEM NPDES Construction Stormwater Permit
- IDNR Floodway and Channel Construction Permit

## Indiana Department of Natural Resources / Division of Water 30 Day Public Notice Report

Application # : FW-23212

Stream : Nineveh Creek

Applicant : United States of America  
Heidi Howard  
PO Box 9005  
Champaign, IL 61826-9005

Camp Atterbury  
Bradley Schneck  
PO Box 5000  
Edinburgh, IN 46124-5000

Description : Approximately 50' Nineveh Creek sediment accumulation will be dredged to a depth of 2' to restore original streambed elevation and natural flow. The dredging will be performed by a backhoe. The excavated material will be utilized for streambank stabilization and may be temporarily placed to an upland detention area where it will be dewatered before being used in streambank stabilization. Adequate detention time will be provided to allow suspended sediments to settle out of the decanted water before returning the water to the stream. Approximately 150' of eroded north east streambank will be stabilized with combination of willow stakes, riprap (terramesh, gabions, and rolls), erosion control blankets, fiber coir logs, etc to protect the bank from further erosion. The riprap and gabions will be keyed into the streambed at its base and will conform to the existing bank at the project limits. It will have a maximum height of 3', a maximum streamward projection of 3' beyond the existing bank, and 1:1 sideslopes. Evaluation of 3 streambank stabilization methods (bioengineering) at the Nineveh Creek Bridge 11. Approximately 150 linear feet along the North East side of the creek will be stabilized. Grassed waterways will be placed at all 4 corners of the bridge, with the Northwest corner being turned into a cabled concrete access ramp. Streambank stabilization will consist of a combination of riprap, erosion control blankets, geotextiles, willow stakes, willow wattles, coir fiber logs, and seeding will be used to stabilize the eroded streambank. Accumulations within and around the bridge are extensive and have caused bank erosion and upstream ponding damages. Accumulations on the upstream side of the bridge may be removed and utilized in the stabilization of the streambank. If needed the stream will be re-graded to the natural streambed grade so no impact to stream elevation. Existing vegetation will be minimally impacted, and only native locally adapted species will be used in the project. Hydroseeding, with a mulch tactifier, will ensure successful germination on both the newly stabilized sides and the South streambanks which will be left alone. Standard erosion control practices will be used during and after construction including: silt fencing, seeding, and mulching. Escort needed contact information in application. Details of the project are contained in information received electronically at the Division of Water on January 21, 2005.

# US ACE Sec. 404 Permit Form

[http://www.lrl.usace  
.army.mil/orf/default  
.htm](http://www.lrl.usace.army.mil/orf/default.htm)

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT (33 CFR 325)		DME APPROVAL NO. 0710-0003 Expires December 31, 2004	
<p>The Public burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and in the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of these addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.</p>			
<b>PRIVACY ACT STATEMENT</b>			
<p>Authorities: Rivers and Harbors Act, Section 10, 33 USC 400; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research and Sanctuaries Act, Section 103, 33 USC 1413. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.</p>			
<i>ITEMS 1 THRU 4 TO BE FILLED BY THE CORP.</i>			
1. APPLICATION NO.	2. REID OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
<i>ITEMS BELOW TO BE FILLED BY APPLICANT</i>			
5. APPLICANT'S NAME		6. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required)	
8. APPLICANT'S ADDRESS		9. AGENT'S ADDRESS	
7. APPLICANT'S PHONE NOS. (AREA CODE)		10. AGENT'S PHONE NOS. (AREA CODE)	
a. Residence		a. Residence	
b. Business		b. Business	
<b>STATEMENT OF AUTHORIZATION</b>			
I hereby authorize _____ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.			
_____ APPLICANT'S SIGNATURE		_____ DATE	
<b>NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY</b>			
13. PROJECT NAME OR TITLE (see instructions)			
13. NAME OF WATERBODY, IF KNOWN (if applicable)		14. PROJECT STREET ADDRESS (if applicable)	
15. LOCATION OF PROJECT			
_____ COUNTY		_____ STATE	
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions)			
17. DIRECTIONS TO THE SITE			

# US ACE 404 permit form details

18. Nature of Activity (Description of project, include all features)

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

**USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**

20. Reason(s) for Discharge

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

23. Is Any Portion of the Work Already Complete? Yes  No  IF YES, DESCRIBE THE COMPLETED WORK

24. Address(es) of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Watersbody (If more than one, please attach a supplemental list).

25. List of Other Certifications or Approvals/Denials Received from other Federal, State or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED

\*Would include but is not restricted to zoning, building and flood plain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

\_\_\_\_\_  
SIGNATURE OF APPLICANT

\_\_\_\_\_  
DATE

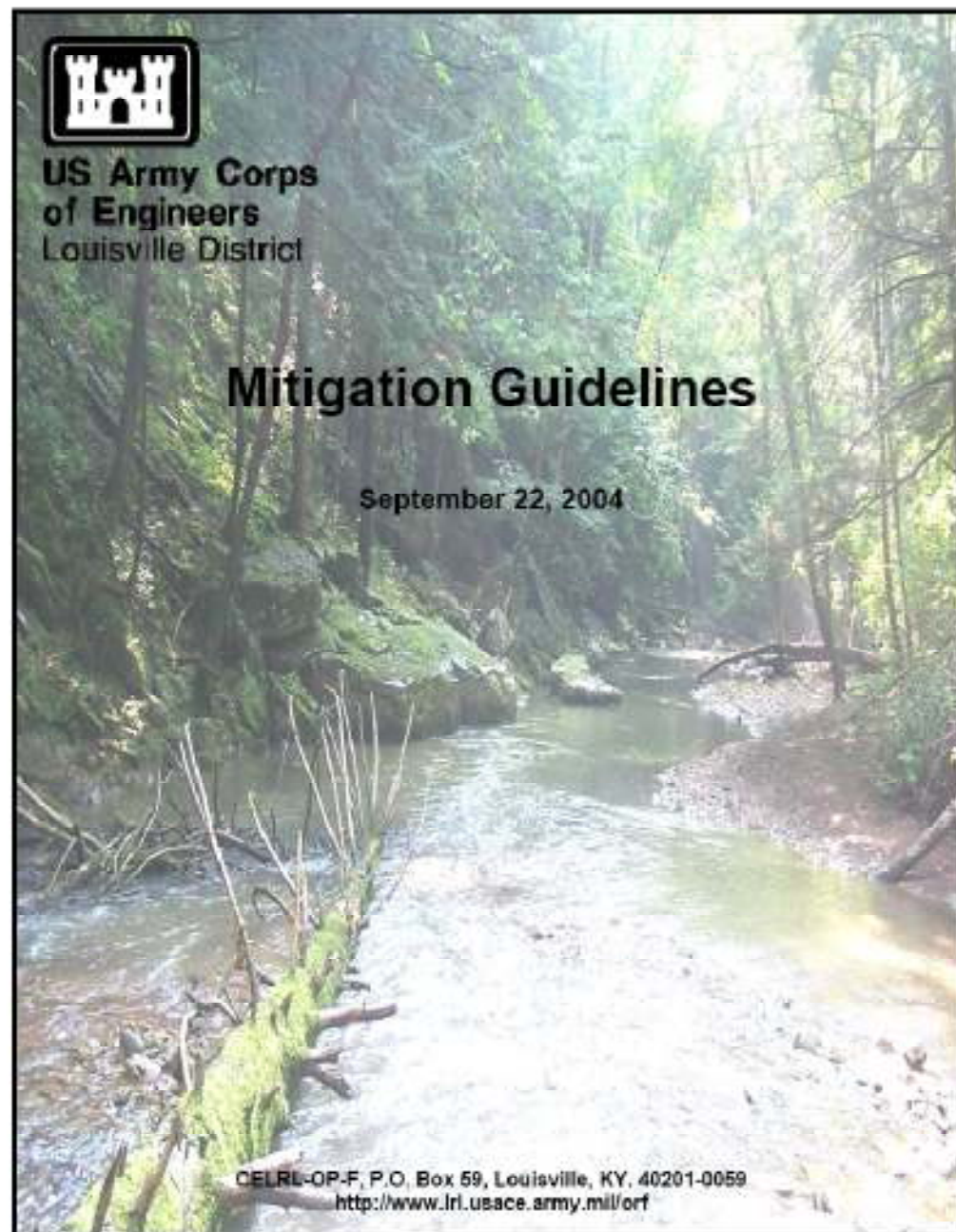
\_\_\_\_\_  
SIGNATURE OF AGENT

\_\_\_\_\_  
DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguise a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Good  
reference for  
quantifying  
impacts and  
benefits of  
stream work



Who Are You? Your Environment Resources Permits Publications Rules Prevention Compliance Programs

IDEM > Programs > Water > 401 Water Quality Certification Program

## 401 Water Quality Certification Program

### Table of Contents

- Application Information
  - [Section 401 Water Quality Certification Program Overview](#)
  - [Application Materials](#)
  - [Corps of Engineers Nationwide Permits](#)
  - [Early Coordination](#)
  - [Project Planning Tips](#)
  - [Indiana Regional General Permit](#)
  - [Wetland Mitigation Banking](#)
- Contacts & Links
  - [Program Staff](#)
  - [Other Regulatory Agencies](#)
  - [Wetland Links](#)
- [Current Events](#)
- [Publications](#)
- [Public Notices](#)
- [Wetland Information](#)

### Introduction

The Indiana Department of Environmental Management (IDEM) is responsible for issuing water quality certifications in Indiana. Section 401 of the federal Clean Water Act (CWA) requires any applicant for a federal permit to conduct any activity that may result in a discharge of pollutants to water to first obtain a water quality certification (WQC) from the state. Effectively, this means that anyone wishing to discharge pollutants to wetlands or other water bodies through activities such as filling, excavating or mechanical clearing, must first receive authorization from the state.

**IDEM CWA 401 Water Quality Certification**  
<http://www.in.gov/idem/permits/water/index.html>

# <http://www.in.gov/idem/permits/>

- The Louisville and Detroit Districts of the Corps have suspended some Nationwide Permits, due to the development of the Regional General Permit. The following are suspended in Indiana:
- NWP 07 Outfall Structures
- NWP 11 Temporary Recreational Structures
- NWP 13 Bank Stabilization
- NWP 14 Linear Transportation Projects
- NWP 15 U.S. Coast Guard Approved Bridges
- NWP 18 Minor Discharges
- NWP 19 Minor Dredging
- NWP 25 Structural Discharges
- NWP 29 Single-family Housing
- NWP 36 Boat Ramps
- NWP 39 Residential, Commercial and Institutional Development
- NWP 40 Agricultural Activities
- NWP 41 Reshaping Existing Drainage Ditches
- NWP 42 Recreational Facilities
- NWP 43 Stormwater Management Facilities
- NWP 44 Mining Activities

# IDEM permit for discharges to state waters



## Application for Authorization to Discharge Dredged or Fill Material to Isolated Wetlands and/or Waters of the State

State Form 51821 (R / 10-04)

Indiana Department of Environmental Management

- INSTRUCTIONS:**
1. Read the instruction sheet before filling out this form.
  2. You must complete all applicable sections of this form.

1. Applicant Information		2. Agent Information	
Name of Applicant:		Name of Agent:	
Mailing address: (Street/ PO Box/ Rural Route, City, State, ZIP Code)		Mailing address: (Street/ PO Box/ Rural Route, City, State, ZIP Code)	
Daytime Telephone Number:		Daytime Telephone Number:	
Fax Number:		Fax Number:	
E-mail address: (optional)		E-mail address: (optional)	
Contact person: (required)		Contact person:	
3. Project/Tract Location			
County:		Nearest city or town:	
U.S.C.S. Quadrangle map name (Topographic map):		Project street address (if applicable):	
Quarter:	Section:	Township:	Range:
Type of aquatic resource(s) to be impacted: (Attach Worksheet One)		Project name or title: (if applicable)	
Other location descriptions or driving directions:			
4. Project Purpose and Description (Use additional sheet(s) if required)			
Has any construction been started? <input type="checkbox"/> Yes <input type="checkbox"/> No		Anticipated start date:	
If yes, how much work is completed?			
Purpose of project and overview of activities:			

# Who needs NPDES construction permit coverage?

- Construction sites with a disturbed (bare soil) area of one acre or more
- Includes linear projects with a disturbed area of one acre or more
- Construction sites with less than one acre of disturbed area that are part of a “common plan of development,” like a subdivision



# Who has to get the permit?

- The construction site owner, or
- The construction site “operator”
  - Person who has control of plans and specifications, with decision-making authority
  - Person with day-to-day control over activities at the construction site
  - Can be developer, contractor
- Subcontractors at the site need permit coverage if they are involved in clearing, excavation, installing, or moving ESC controls

# Stormwater Permit requirements

- What are the requirements for construction sites?
  - Register with IDEM by filing a “Notice of Intent” if disturbed area is  $\geq 1$  acre
  - Develop a written Stormwater Pollution Prevention Plan control runoff of sediment & other contaminants
  - Install & maintain erosion, sediment, & other controls
  - Document installations, inspections, & repairs
  - Remove controls & stabilize project after completion
  - File a “Notice of Termination” with IDEM after project is completed – liability for runoff from the site has ended

# What is a SWPPP Plan?

*A SWPPP is a detailed plan that:*

- Identifies potential sources of sediment and stormwater pollution at the construction site
- Describes practices to reduce pollutant runoff from the site
- Identifies procedures the operator will implement to comply with the terms and conditions of the NPDES permit



# What should be in the SWPPP?


- Site description (map, schedule, slopes, etc.)
- Erosion & sediment control plan & measures
- Other controls (tracking, trash, sewage, etc)
- Locally required permits or approvals
- Maintenance procedures (sediment removal, etc.)
- Inspection reports (weekly, after ½ inch rainfall)
- Controls on other runoff (fuel, dewatering, etc)
- Contractor & subcontractor certification

# Floodplain permits

- Construction in the floodplain is regulated by federal & state agencies
- Indiana DNR issues floodplain permits
- Contact IDNR early in the project planning process to discuss permit issues
- Coordinate USACE, IDEM, and IDNR permit discussions to ensure compliance

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# DNR Division of Water




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## PERMITS

- **NEW!** [Early Coordination Environmental Review Requirements](#) (acrobat pdf file)
- [Exemptions](#)
- [File a Permit Application online](#)
- ["Permit Application Assistance Manual"](#)
- [Permit Application Database](#) (click here to search the permit application database)
- [Permit Application and Public Notice forms](#). **Public Notice requirements are changing for IDNR permit applications effective February 14, 2005.** Click [here](#) (acrobat pdf file) for more information.
- [Public Notice Report](#)
- To determine if you need permits from the Department of Environmental Management, visit: [www.mypermit.IN.gov](http://www.mypermit.IN.gov)

 You will need **Acrobat Reader software** (available free) from Adobe to view some or all of the files on this page. [Click here to download.](#)

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This page last updated on 11/8/2006

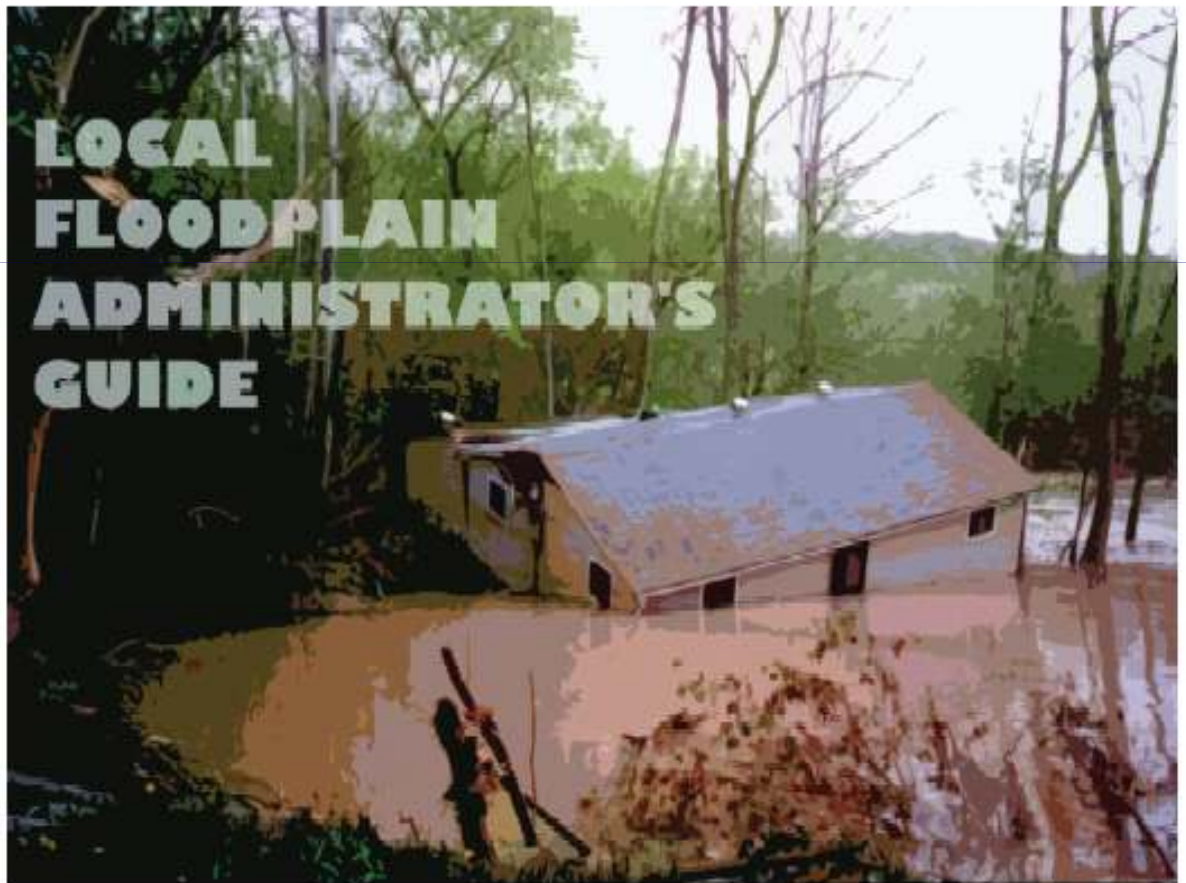
# Indiana DNR Floodway and Channel Construction Permits

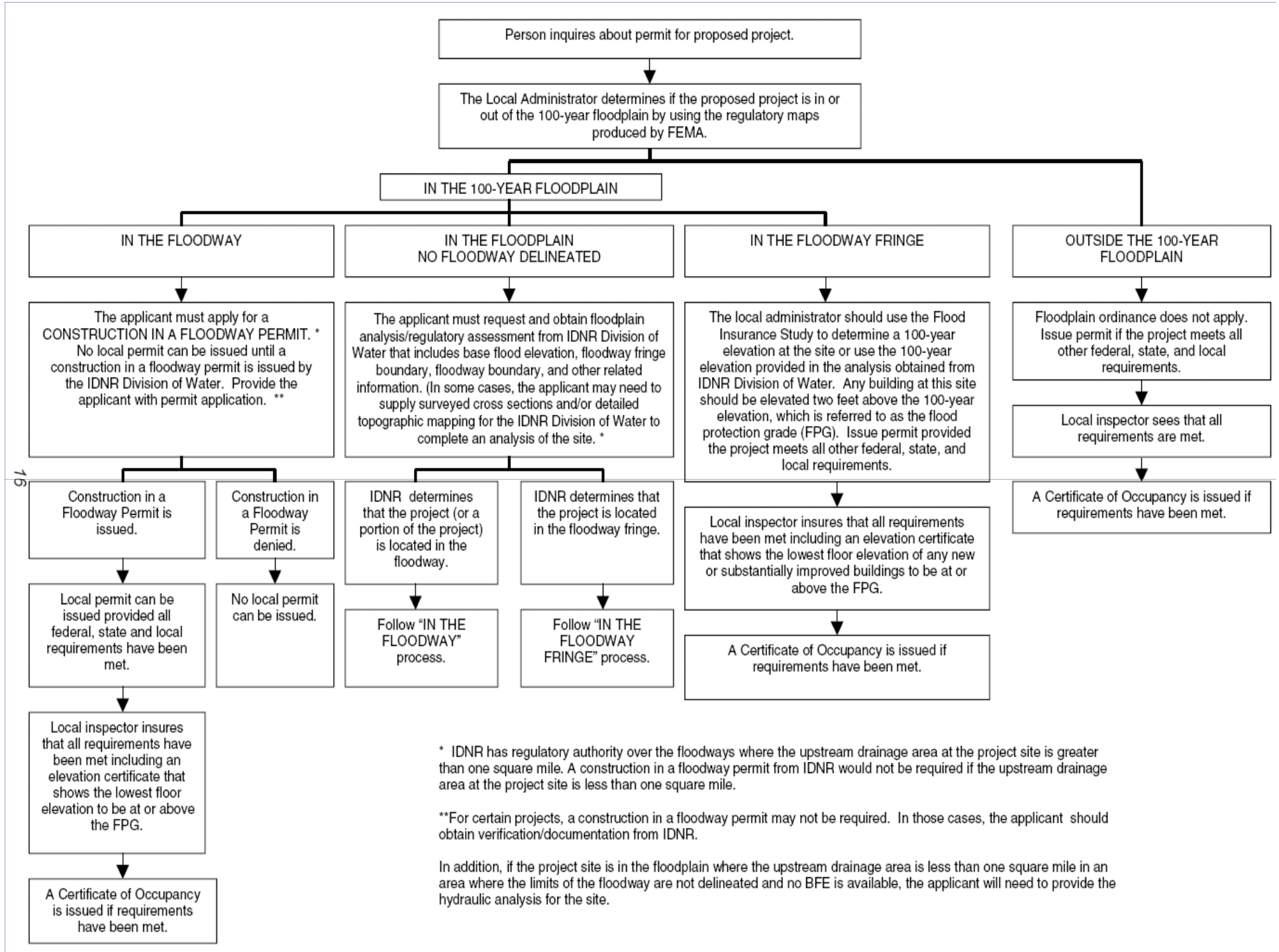
<http://www.in.gov/dnr/water/permits/index.html>

IN DNR  
Guide for  
floodplain  
management  
and activities

**INDIANA DEPARTMENT OF  
NATURAL RESOURCES**

**-DIVISION OF WATER-**





Excellent guide for  
identifying and  
addressing water  
resource problems

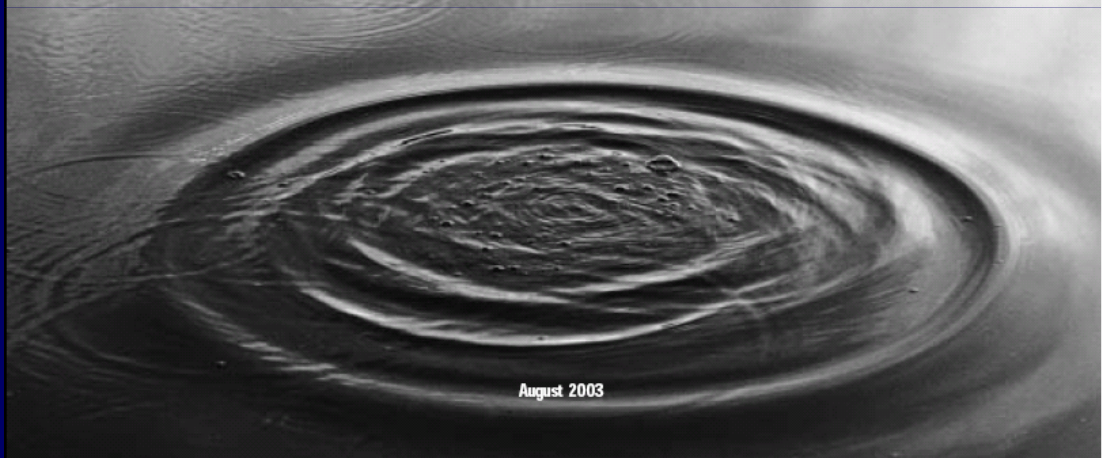
[http://www.in.gov/idem/  
catalog/documents/wat  
er/iwpg.pdf](http://www.in.gov/idem/catalog/documents/water/iwpg.pdf)



## *Indiana Watershed Planning Guide*

Indiana Department of Environmental Management  
Office of Water Quality  
Watershed Management Section

*Developed with the participation of:*  
USDA Natural Resources Conservation Service  
Indiana Department of Natural Resources  
Indiana Association of Soil & Water Conservation Districts  
Purdue University  
US Environmental Protection Agency



Contains  
contact info  
and web  
sources for  
various data  
needs

Watershed Land Inventory				
Information	Origin	Internet Address or Source	Details	✓
General geographic information	• National Atlas	• <a href="http://nationalatlas.gov/">http://nationalatlas.gov/</a>	All sorts of useful facts, from climate to crime rates, at county resolution and above. Printable maps, interactive mapping.	
Geography	• University	• <a href="http://www.usra.edu/lesse/ford/ESS301/g301www/com/beltreso.html">http://www.usra.edu/lesse/ford/ESS301/g301www/com/beltreso.html</a>	Web Resources for Global Geography. Links to climate, history, etc. This address takes you to the section on the Midwestern corn belt. Bring your lunch... you could easily spend the day here.	
Watershed boundaries & area	• USGS • NRCS • IDEM	• <a href="http://in.water.usgs.gov">http://in.water.usgs.gov</a> • <a href="http://www.in.nrcs.usda.gov">www.in.nrcs.usda.gov</a> • <a href="http://www.in.gov/idem/water/planbr/wsm319main.html">http://www.in.gov/idem/water/planbr/wsm319main.html</a>	Ask for 14-digit hydrologic area maps. If using the GIS shapefile, the data table will contain the name, HUC code, and area of the watershed.	
Topography	• USGS	• USGS, camping & outdoor stores, map suppliers.	Use topographic maps to determine the watershed boundaries if not using GIS. Record location of landscape features, livestock operations, new development, etc. on topo maps manually as an aid to doing your inventory.	
Satellite imagery	• USGS	• Landsat <a href="http://glovis.usgs.gov/">http://glovis.usgs.gov/</a>	Want to see Indiana from space? This global LANDSAT viewer lets you pick the date and place. Unfortunately can't download from this site.	
Climate	• NOAA • USGS • County & state disaster agencies	• [Purdue Meteorology climate data sets] <a href="http://shadow.agry.purdue.edu/sc/index.html">http://shadow.agry.purdue.edu/sc/index.html</a> • [NOAA main page] <a href="http://www.ncdc.noaa.gov/oa/ncdc.html">http://www.ncdc.noaa.gov/oa/ncdc.html</a> • [Rainfall Frequency Atlas of the Midwest-takes some digging, but if you're a weather buff you'll love it.] <a href="http://www.sws.uiuc.edu/pubdoc/B/ISWSB-71.pdf">http://www.sws.uiuc.edu/pubdoc/B/ISWSB-71.pdf</a>	Is there a history of flooding, severe tornadoes, other disasters? What is the typical rainfall pattern (which could help you understand water quality monitoring data)?	
Karst areas [sinkholes]	• IGS [Indiana Geological Survey]	• <a href="http://igs.indiana.edu/">http://igs.indiana.edu/</a> [click on Publications]	Indiana Geological Survey sells, via their website, a bedrock map of Indiana which shows the location of the Mitchell Plain and other features. Soil Surveys also will show the location of soils thinly overlying karst. In the most pronounced karst areas, the sinkholes will be visible on topo maps.	

Also contains  
funding source  
information and  
application  
details

## Appendix B. Funding Sources

The following pages contain specific information about a lot of potential funding sources for watershed management work. The USEPA also offers a searchable index of funding sources, all with hot links, at <http://cfpub.epa.gov/feefund/>.

### Grants

#### Clean Water Act Non Point Source Grants (Section 319)

**Administered:** EPA/IDEM

**Summary:** The Federal Clean Water Act Section 319(h) provides funding for projects that work to reduce nonpoint source water pollution. Funds may be used to conduct assessments, develop and implement TMDLs and watershed management plans, provide technical assistance, demonstrate new technology and provide education and outreach. Organizations eligible for funding include nonprofit organizations, universities, and local, State or Federal government agencies. The majority of Section 319 funds must be used for implementation projects. Only 20 % of the funds are available for planning, assessment and research. In addition, half of the funds must be used in watersheds containing impaired [303(d) listed] waterbodies.

**Eligibility:** Non-profit groups, universities, local & state government, government agencies.

**How Much:** Maximum of \$300,000 with a 25% match required.

**Application Deadline:** October 1.

**Web Pages/Links:**

<http://www.in.gov/idem/water/programs/>

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#### Clean Water Act Planning Grants (Section 205(j))

**Administered:** EPA/IDEM

**Summary:** The federal Clean Water Act: Section 205(j) provides funding for water quality management planning. Funds are to be used to determine the nature, extent and causes of point and nonpoint source pollution problems and to develop plans to resolve these problems.

**Eligibility:** Organizations eligible for funding include municipal governments, county governments, regional planning commissions, and other public organizations. For-profit entities, nonprofit organizations, private associations and individuals are not eligible to receive this assistance.

**How Much:** Maximum \$100,000. No match required.

**Application Deadline:** January 31

**Web Pages/Links:**

<http://www.in.gov/idem/water/programs/>

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#### Clean Water Act Stormwater Grants (Section 104(b) (3))

**Administered:** EPA/IDEM

**Summary:** Funding is available for projects that will develop, implement and demonstrate new and innovative concepts that will improve the effectiveness of the NPDES permit program, which regulates point source discharges of water pollution. Competitive projects: have local leadership; strong public involvement and support; comprehensively address how to reduce the pollution source; and seek to demonstrate management practices or processes that are new to the area. There are some restrictions to using 104(b)(3) funds. They cannot be used to fund any of the following: dredging; drainage or flood control; permit fees; or compliance with NPDES permits or enforcement actions.



## Region 5 Office of Science, Ecosystems and Communities (OSEC)

Serving Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin and 35 Tribes

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- OSEC Home
- Basic Information
- NEPA Implementation
- Science & Information Analysis
- Innovation

### Soft Shoreline Technology for River Front Development

**Project Background:** Much of the Detroit River shoreline is hardened or has been developed, causing significant loss of fish and wildlife habitat. The shoreline along the Detroit River tributaries is often eroded or is hardened causing increased sedimentation and limiting fish and wildlife habitat. Further, increased development, shoreline hardening, and erosion cause increased storm water loading to the water bodies. The soft shoreline technology project is intended to stabilize eroding shoreline.

**Partners Involved:**

- Detroit River RAP
- U.S. Army Corp of Engineers
- U.S. Environmental Protection Agency
- City of Gibraltar
- City of Trenton
- Downriver Community Conference

**Project Goals:** The soft shoreline technology project is intended to stabilize eroding shoreline through both traditional means of using rip rap along with "soft technologies," such as native vegetation, to enhance protection of the shoreline and establish habitat for fish and wildlife. This method is also being implemented as a means of storm water control and filtration through the introduction of bio-swales to retain the storm water. The project will demonstrate the feasibility of creating fish and wildlife habitat in conjunction with typical streambank stabilization projects.

**Contact:** Rose Ellison, (734) 692-7689, [ellison.rosanne@epa.gov](mailto:ellison.rosanne@epa.gov)

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Last updated on Thursday, March 22nd, 2007.  
<http://www.epa.gov/Region5/osec/innovation/semi/projects/softshore.htm>  
[Print As-Is](#)

Other tech and funding assistance available online . . .



For best results, coordinate stream channel work with other federal, state, and local activities

