

Links to Resources Adapted or Revised for This Workbook

Indiana Watershed Planning Guide

<http://www.in.gov/idem/catalog/documents/water/iwpg.pdf>

Watershed Inventory Workbook for Indiana

<http://www.ecn.purdue.edu/SafeWater/watershed/inventoryf.pdf>

Rapid Bioassessment Protocols

<http://www.epa.gov/owow/watershed/wacademy/acad2000/rbp/>

Introduction to Watershed Planning

<http://www.epa.gov/watertrain/planning/>

Watershed Ecological Risk Assessment

<http://www.epa.gov/watertrain/ecorisk/>

Watershed Modeling

<http://www.epa.gov/watertrain/>

Watershed Protection: A Project Focus

<http://www.epa.gov/owow/watershed/focus/>

Other

A Primer for Developing a Successful Watershed Management Plan

<http://www.nysfola.org/pilotproject/>

Developing a Watershed Management Plan for Water Quality: An Introductory Guide

<http://www.deq.state.mi.us/documents/deq-swq-nps-Watershe.pdf>

Sustainable Lakes Workbook

http://mnlakes.org/main_dev/workbook.cfm

A Guide to Developing Local Watershed Action Plans in Ohio, Appendix 8: Outline of a Watershed Action Plan

<http://www.epa.state.oh.us/dsw/nps/wsguide.pdf>

EPA Watershed Academy Web Components



Module Themes

[Introductory/Overview Modules](#)

[Watershed Ecology Modules](#)

[Watershed Change Modules](#)

[Analysis and Planning Modules](#)

[Management Practices Modules](#)

[Community/Social/Water Law Modules](#)



Introductory/Overview Modules

These modules introduce the principles of the watershed approach and the value of working at a watershed level.

- * [Principles of watershed management \(HTML version\)](#), ([PDF version](#), 2.1MB, 25 pages)
[Sustaining healthy aquatic ecosystems \(PDF version only\)](#), 278KB, 18 pages)
- * [Ecosystem services: benefits to human societies \(PDF version only\)](#), 542KB, 18 pages)
[Why watersheds? \(HTML version only\)](#)
[Ohio's virtual watershed tour \(HTML version only\)](#)



Watershed Ecology Modules

These modules show that watersheds are natural systems that provide substantial benefits to people and the environment when they are kept in good condition.

- * [Introduction to watershed ecology \(HTML version\)](#), ([PDF version](#), 1.8MB, 37 pages)
- * [Protecting instream flows: how much water does a river need? \(HTML version\)](#), ([PDF version](#), 1.2MB, 22 pages)
- * [Stream corridor structure \(HTML version\)](#), ([PDF version](#), 8.0MB, 34 pages)
[Biodiversity and ecosystem functioning: maintaining natural life support processes \(PDF version only\)](#), 968KB, 14 pages)
[Birds: bellwethers of watershed health \(HTML version\)](#), ([PDF version](#), 1.7MB, 24 pages)
[Wetland functions and values \(HTML version\)](#), ([PDF version](#), 1.3MB, 23 pages)
[Understanding lake ecology \(HTML version\)](#), ([PDF version](#), 871KB, 57 pages)



[The role of nearshore ecosystems as fish and shellfish nurseries \(PDF version only\)](#), 186KB, 14 pages)

Watershed Change Modules

These modules describe both natural and human-induced changes in watersheds, and compare normal changes with changes of concern.

- * [Agents of watershed change \(HTML version\)](#), ([PDF version](#), 3.2MB, 49 pages)
[Growth and Water Resources \(HTML version only\) \(PDF version\)](#), 3.6MB, 29 pages)
- * [Nonpoint source pollution with Nitrogen and Phosphorus \(PDF version only\)](#), 472KB, 14 pages)
[Invasive non-native species \(HTML version only\)](#)
[Human alteration of the global Nitrogen cycle \(PDF version only\)](#), 878KB, 17 pages)
[Biotic invasions: causes, epidemiology, global consequences and control \(PDF version only\)](#), 349KB, 22 pages)
[Nutrient pollution of coastal rivers, bays, and seas \(PDF version only\)](#), 947KB, 17 pages)

[Effects of aquaculture on world fish supplies](#)([PDF version only](#), 231KB, 14 pages)



Analysis and Planning Modules

These modules address how watershed planning, monitoring and assessment are important first steps toward solving problems.

- * [Introduction to the watershed planning process](#) ([HTML version](#)), ([PDF version](#), 1.3MB, 28 pages)
- * [Overview of watershed monitoring](#) ([HTML version](#)), ([PDF version](#), 4.3MB, 33 pages)
- * [Rapid bioassessment protocols](#) ([HTML version](#)), ([PDF version](#), 2.0MB, 34 pages)
- * [Watershed ecological risk assessment](#) ([HTML version](#)), ([PDF version](#), 1.9MB, 32 pages)
- * [Watershed modeling](#) ([HTML version](#)), ([PDF version](#), 8.9MB, 35 pages)
- * [Fundamentals of the Rosgen Stream Classification System](#) ([HTML Version Only](#))
- * [Training in Use of the National Hydrography Dataset \(NHD\) and NHDPlus](#) ([HTML Version Only](#))



Management Practices Modules

These modules show how watershed management challenges such as urban runoff, cropland management, forestry and other issues are addressed by techniques that reduce environmental impacts.

- * [Eight tools of watershed protection in developing areas](#) ([HTML version](#)), ([PDF version](#), 2.7MB, 30 pages)
- * [Agricultural management practices for water quality protection](#)([HTML version](#)), ([PDF version](#), 2.7MB, 54 pages)
- * [Forestry Best Management Practices in watersheds](#) ([HTML version](#)), ([PDF version](#), 4.9MB, 47 pages)
- * [Stream corridor restoration tools](#) ([HTML version only](#))
- * [Restoration: what's right/wrong with this picture?](#) ([HTML version only](#))
- * [Introduction to EPA's drinking water source protection programs](#) ([PDF version only](#), 4.5MB, 119 pages)
- * [Source water protection: Best Management Practices and other measures for protecting drinking water supplies](#) ([PDF version only](#), 3.6MB, 125 pages)
- * [Controlling underground injection of wastewater](#) ([PDF version only](#), 2.1MB, 65 pages)
- * [Advanced drinking water technology workshop](#) ([Powerpoint version for web](#))
- * [Managing transient non-community drinking water systems](#) ([Powerpoint version for web](#))
- * [Applying ecological principles to management of the U.S. national forests](#) ([PDF version only](#), 1.1MB, 22 pages)
- * [Ecological principles for managing land use](#) ([PDF version only](#), 579KB, 12 pages)



Community/Social/Water Law Modules

These modules cover social issues, communications, relevant laws and regulations. They concentrate on the human element of watershed management.

- * [Getting in step: a guide for conducting watershed outreach campaigns \(HTML version\)](#)
- * [Top ten watershed lessons learned \(PDF version, 11.5MB, 85 pages\)](#)
- * [Introduction to the Clean Water Act \(HTML version\)](#), ([PDF version, 4.3MB, 70 pages](#))
[Introduction to the Safe Drinking Water Act of 1996 \(Powerpoint version\)](#), ([PDF version, 1.9MB, 100 pages](#))
[Water in a changing world \(PDF version only, 671KB, 18 pages\)](#)
[Statewide watershed management executive overview \(HTML version\)](#), ([PDF version, 1.6MB, 21 pages](#))
[Economics of sustainability \(PDF version only, 815KB, 61 pages\)](#)
[Monitoring consortiums \(HTML version only\)](#)
[Introduction to public water systems \(PDF version only, 2.8MB, 125 pages\)](#)
[Grade K through 12 watershed learning links \(HTML version only\)](#)