

The Water Sourcebook Series

The Water Sourcebook Series (K - 12) is now available on CD ROM.

The Water Sourcebook Series was developed in partnership with EPA, Region 4, the Alabama Department of Environmental Regulation, and LEGACY - Partners in Environmental Education over a 6-year period. The hard copy Water Sourcebook Series consists of a set of 4 volumes appropriate for Grades K - 2, Grades 3 - 5, Grades 6 - 8, & Grades 9 - 12. Each volume is a flexible comprehensive environmental education program on water issues. The Water Sourcebook Series explains the water management cycle using a balanced approach and how it affects every aspect of the environment. The curriculum provides strong science and math content, but also links these subject areas to social studies and language arts. Each Water Sourcebook contains hands-on activities and investigations, fact sheets, reference materials, and a glossary of terms. There are 5 chapters contained in each book, Introduction to Water, Drinking Water and Wastewater Treatment, Surface Water Resources, Ground Water Resources, and Wetland and Coastal Waters. The Water Sourcebook helps kids learn about water, "use what you need and don't pollute" is the message sent to children through the Water Sourcebook Series.

Over 58,000 copies of the hard copy Water Sourcebook Series (Grades K - 2, Grades 3 - 5, Grades 6-8 & Grades 9 -12) have been printed and over 10,000 CD ROM have been produced. A hard copy Spanish version is available for the Grades 3 - 5. The majority of the teacher training and distribution of the books are being done in Alabama by LEGACY - Partners in Environmental Education, in Georgia by the Georgia Water Wise Council, and throughout the remaining United States and in foreign countries by the Water Environment Federation. Over 20 Countries throughout the world have used the Water Sourcebook Series to educate their children.

For Further Water Sourcebook Series Information Contact:

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www.legacyenvd.com

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INTRODUCTION

The value of clean, safe water for individuals, communities, businesses, and industries can't be measured. Every living thing depends on water. The economy requires it. Water issues should be everyone's concern, but most people take water quality and availability for granted. After all, clean, safe water is available to most Americans every time they turn on the tap. Water issues do not become a concern until there is a crisis such as a drought or wastewater treatment plant failure. Educating citizens who must make critical water resource decisions in the midst of a crisis rarely results in positive change. Developing awareness, knowledge, and skills for sound water use decisions is very important to young people, for they will soon be making water resource management decisions. Properly equipping them to do so is essential to protect water resources.

WATER SOURCEBOOK PROGRAM

The Water Sourcebook educational program is directed specifically toward the in-school population. The program consists of supplemental activity guides targeting kindergarten through high school. Water Sourcebooks are available for primary (K-2), elementary (3-5), middle (6-8), and secondary (9-12) levels. Materials developed in the program are compatible with existing curriculum standards established by State Boards of Education throughout the United States as well as national standards in science, social studies and geography. Concepts included in these standards are taught by using water quality information as the content.

The Water Sourcebooks include five chapters—Introduction, Drinking Water and Wastewater Treatment, Groundwater, Surface Water, and Wetlands.

DEVELOPMENT

The Water Sourcebooks are developed in three stages. First, classroom teachers are selected to write the activities with assistance of education specialists. Teams of teachers are given the task of developing and writing the activities for each of the five instructional chapters. The second step involves testing activities in the classroom and technical reviews by water experts. From the evaluations provided by the testing teachers and technical reviewers, revisions are made. Finally, editing, and illustrations are complete and the Water Sourcebook is published.

ACTIVITY DESIGN

All of the activities include “hands-on” components and are designed to blend with existing curricula in the areas of general sciences, language arts, math, social studies, art, and in some cases, reading or other areas. Each activity details (1) objectives, (2) subjects(s), (3) time, (4) materials, (5) background information, (6) advance preparation, (7) procedure (including activity, follow-up, and extension), and (8) resources. Fact sheets and a glossary section are

included at the end of the guide to help equip teachers to deal with concepts and words used in the text which may be unfamiliar.

ORGANIZATION OF INDIVIDUAL ACTIVITIES

Each activity is organized in the same way, detailing objectives, materials needed, background information, and procedures. Following is a brief summary of what you should expect to find in each activity.

OBJECTIVES: Describes what the student should be able to do when the activity is completed.

SUBJECT: The general subject(s) to which the activity applies: Sciences, Mathematics, Social Studies, Language Arts, and so on.

TIME: The approximate number of minutes needed to complete the main exercise(s). More time may be needed for the follow-up and extension exercises. Some activities or follow-ups may require collecting data over several days/weeks, but will only need major time blocks at the beginning and end of the activity to explain, present information, and reach conclusions.

MATERIALS: List of materials needed to complete activity. Alternatives and optional materials are listed where appropriate. If the basic materials are not immediately available in your classroom, they can often be borrowed from other classes in the school, or local college or university science departments, local government agencies, or area businesses.

BACKGROUND INFORMATION: Background information specific to the activity. This material is suggested as a basis for teacher lecture and/or student discussion when the found in the Fact sheets located in the back of the guide.)

ADVANCE PREPARATION: Directions for the teacher/student to prepare materials in advance.

PROCEDURE: Complete directions to conduct the entire activity, including follow-up and extension ideas. Includes teacher sheets, student sheets, and teacher keys.

Setting the Stage Introduction of the main ideas of the activity to the students. This section may use student discussion questions/topics, sharing the pertinent background information, a demonstration or activity, or a combination of these.

Activity	Step-by-step instructions on how to do the activity. This sometimes ends with questions to demonstrate that students understand what they have done.
Extension	Suggestions for extending the activity into other subject areas and/or suggestions for other related activities. This part of the activity is optional. Some may be used as ongoing projects, while others may be used as additional classroom work for advanced students or for extra credit.

RESOURCES: Reference materials used either in developing the activity or to provide additional information and addresses for ordering materials used in the activity.

ACTIVITY PREPARATION

Once you have decided on the activity(ies) you will be doing, check the materials list. You will need to take into account the number of students or student teams in your class(es). Many materials are readily available, but some may need to be borrowed or purchased ahead of time.

Prepare copies of all the needed student handouts and/or transparencies or other materials for your use. Most activities contain ready-made masters for these. Teacher and student sheets can be easily removed from the binder and replaced after photocopying or producing a thermofax master for print duplication. Some activities also contain suggestions to make a transparency for use with an overhead projector. Transparencies may be made by a thermofax, a copier, or by tracing.

If you plan to have the students do part or all of the extension suggestions, you will want to add additional materials to your list. You may also need to locate other sources of information or telephone numbers to complete the extension. Many resource names and numbers can be found in the back of this book. Some extensions can be started simultaneously with the regular activity.

As you read through the activity, decide whether you will do optional suggestions. Check the suggested time for completion of the activity and add time needed to do any extension activities. The time needed may vary from class to class. These activities have all been field tested in secondary school classrooms. However, you might want to do a trial run of the activity yourself to evaluate the time needed and areas where minor problems might occur. It is also a good idea to mark points in the text where natural breaks can be taken to divide the activity into class periods.

The fact sheets included in the back of the guide and the background material included in each activity should provide the information necessary for your preparation. Further reading may be found in the list of resources at the conclusion of each activity. If these resources are not readily available, lists of additional resources are provided at the back of this Sourcebook.

PAGINATION

Each chapter is page-numbered separately and is designated with an appropriate chapter number. For example, the “Introduction” chapter begins with page 1-1, the “Drinking Water and Wastewater Treatment” chapter begins with 2-1, and so on.

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EPA Document Numbers

Printed books

EPA/904-R-94-017(a) – K-2

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Boston, MA 02203
(617) 565-4870
(617) 565-4940 (FAX)

U.S. EPA Region 2
Marine & Wetlands Protection
26 Federal Plaza
New York, NY 10278
(212) 264-5283
(212) 264-4690 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street, SW

Washington, DC 20460
(202) 260-9176
(202) 260-6294 (FAX)

(212) 264-5283
(212) 264-4690 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street, SW
Washington, DC 20460
(202) 260-9176
(202) 260-6294 (FAX)

New York-New Jersey Harbor, NY/NJ

NY/NJ Harbor Estuary Program
SUNY, Building 40, #228
Stony Brook, NY 11794
(516) 751-7900
(516) 751-3839 (FAX)

NY/NJ Harbor Estuary Program
Bureau of Water Quality Mgt.
50 Wolf Road, #201
Albany, NY 12233-3508
(518) 457-3656
(518) 457-1088 (FAX)

NY/NJ Harbor Estuary Program
Division of Science & Research
Dept. of Environmental Protection & Energy

Bannegot Bay, NJ

Bannegot Bay Estuary
Office of Envir. Planning
NJ Dept. of Environmental
Protection (CN418)
Trenton, NJ 08625
(609) 633-1205
(609) 292-4608 (FAX)

U.S. EPA Region 2
Marine & Wetlands Protection
26 Federal Plaza
New York, NY 10278

Peconic Bay, NY

NY State Department of Environmental
Conservation
Division of Marine Resources
State University of NY
Stony Brook, NY 11790-2356
(516) 689-3653

Suffolk Co. Department of Health Services
Division of Environmental
Quality/Office of Ecology
Riverhead, NY 11901
(516) 852-2080

U.S. EPA Region 2
Surface Water Quality Branch
26 Federal Plaza
New York, NY 10278-0090
(212) 264-5623
(213) 264-4690 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street, SW
Washington, DC 20460
(202) 260-6466
(202) 260-6294 (FAX)

Columbia River, OR

Lower Columbia River Estuary

Oregon DEQ/Water Quality
811 SW 6th Avenue
Portland, OR 97204
(503) 229-5279
(503) 229-6124 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street, SW
Washington, DC 20460
(202) 260-9799
(202) 260-6294 (FAX)

Columbia River, contined

U.S. EPA Region 10
Watershed Section
1200 Sixth Avenue
Seattle, WA 98101
(206) 553-4183
(206) 553-0165 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street, SW
Washington, DC 20460
(202) 260-9799
(202) 260-6294 (FAX)

Tillamook Bay, OR

Oregon Department of Environmental
Quality
811 S.W. 6th Avenue
Portland, OR 97204-1390
(503) 229-5664
(503) 229-6124 (FAX)

U.S. EPA Region 10
Watershed Section
1200 Sixth Avenue
Seattle, WA 98101
(206) 553-4183
(206) 553-0165 (FAX)

San Juan Bay, PR

Water Quality Area
Environmental Quality Board
Commonwealth of Puerto Rico
Office of the Governor
PO Box 11488
(809) 751-5548

U.S. EPA Region 2
Marine & Wetlands Protection
26 Federal Plaza
New York, NY 10278-0090
(212) 264-9205
(212) 264-4690 (FAX)

Narragansett Bay, RI

Narragansett Bay Project
291 Promenade Street
Providence, RI 02908
(401) 277-3165
(401) 521-4230 (FAX)

U.S. EPA Region 1
JFK Building
Boston, MA 02203
(617) 565-3523
(617) 565-4940 (FAX)

U.S. EPA Headquarters

OCPD (WH-556F)
401 M Street, SW
Washington, DC 20460
(202) 260-9176
(202) 260-6294 (FAX)

12th Floor, Suite 1200
Dallas, TX 75202-2733
(214) 655-6687
(214) 655-6689 (FAX)

U.S. EPA Headquarters
401 M Street, SW
Washington, DC 20460
(202) 260-6467
(202) 260-6294 (FAX)

Corpus Christi Bay, TX

Texas Water Commission
PO Box 13087
Austin, TX 78711
(512) 463-8417

U.S. EPA Region 6
1445 Ross Avenue
12th Floor, Suite 1200
Dallas, TX 75202-2733
(214) 655-6697
(214) 655-6689 (FAX)

U.S. EPA Headquarters
401 M Street, SW
Washington, DC 20460
(202) 260-6467
(202) 260-6294 (FAX)

Galveston Bay, TX

Galveston Bay National Estuary
Bay Plaza 1
711 Bay Area Blvd., Suite 210
Webster, TX 77598
(713) 332-9937
(713) 322-8590 (FAX)

U.S. EPA Region 6
1445 Ross Avenue

Puget Sound, WA

Puget Sound Water Quality
MS PV-15
Olympia, WA 98504-0900
(206) 493-9503
(206) 493-9155 (FAX)

U.S. EPA Region 10
Office of Coastal Programs
1200 Sixth Avenue
Seattle, WA 98101
(206) 553-0966
(206) 553-0165 (FAX)

U.S. EPA Headquarters
OCPD (WH-556F)
401 M Street
Washington, DC 20460
(202) 260-1051
(202) 260-6294 (FAX)

Additional Coastal Environmental Education Materials

Take Pride Gulfwide: An Action Plan for a Clean Gulf of Mexico

Material: Video - 18 minutes

Content: Video portrays the problems and some solutions of marine debris in the Gulf of Mexico.

Contact: Gulf of Mexico Program

Commercial Fisherman Slide Show

Material: 62 Slides and Script

Content: Educational slide program and accompanying script produced for commercial fishermen with information on how they can help reduce the marine debris problem.

Contact: NOAA's Marine Debris Information Center - slide show can be borrowed at no charge or purchased for \$25

Don't Mess With Texas Beaches

Material: Video - 20-28 minutes

Content: Information on the hazards posed by marine debris to wildlife and tourism and information on MARPOL Annex V. Produced by high school students.

Contact: Texas Sea Grant College Program

Lend a Hand in the Sand

Material: Video - 13.5 minutes

Content: Examines the marine debris problem worldwide and in the context of the MS coastal region. Produced by the Gulf Coast Research Lab and the MS/AL Sea Grant Commission.

Contact: MS/AL Sea Grant Consortium of Gulf Coast Research Laboratory

Marine Refuse Disposal Project

Material: Video - 9 minutes (video sold together with the "Trashing the Oceans" video program); cost is \$10

Content: Details the pilot project at the Port of Newport, Oregon which was developed to handle shipboard generated wastes.

Contact: NOAA's Marine Debris Information Center

Marine Debris & Entanglement Slide Show

Material: 47 Slides and script; purchased for \$25

Content: Educational slide show program and accompanying script developed for the general public examines the types, sources, and problems caused by marine debris and efforts to combat the problem.

Contact: NOAA's Marine Debris Information Center

Stash Your Trash

Material: Stash Your Trash Educational Program, MS Bureau of Marine Resources, Inc.

Content: Discuss various problems associated with marine debris and encourage responsible disposal of trash by recreational boaters.

Contact: MS Bureau of Marine Resources or MS/AL Sea Grant Commission

Texas Adopt-A-Beach Program

Material: 45 Slides

Content: Describes the various types and sources of marine debris, problems caused by marine debris, and efforts to combat those problems.

Contact: Texas General Land Office

Trashing the Oceans

Material: Video 7 minutes (video sold together with the Marine Refuse Disposal Project video); cost is \$10

Content: Examines the problems of plastic marine debris and discusses efforts to combat those problems. Developed for general audiences.

Contact: NOAA's Marine Debris Information Center

All About Beach Cleanups

Material: Manual

Content: Guide to organizing a beach cleanup with information on data collection and publicity, and examples of successful cleanup programs.

Contact: NOAA's Marine Debris Information Center

Texas Shores Magazine

Material: Magazine

Content: Periodical dedicated to marine debris problem in the Gulf of Mexico.

Contact: Texas Sea Grant College Program

Adopt-A-Beach Program

Material: Brochure

Content: Informational brochure on marine debris and Adopt-A-Beach and Lakeshore Cleanup Programs. (3 panels)

Contact: Texas General Land Office

A Seabird Could Mistake This Resin Pellet for a Fish Egg - And Die.

Material: Brochure

Content: Developed for a plastics industry with specific information on the problems caused by plastic resin pellets in the marine environment and recommended actions for industry.

Contact: NOAA's Marine Debris Information Center

Our Water Planet is Becoming Polluted with Plastic Debris

Material: Brochure

Content: Provides general overview of marine debris problem with recommended actions for individuals. Developed as part of the Newport Marine Refuse Disposal Project.

Contact: NOAA's Marine Debris Information Office

Recycle! Please, Our Children's Future Depends On It

Material: Brochure

Content: Provides basic information on recycling, emphasizes environmental protection, and urges public participation in local recycling programs. Includes information on six-pack ring entanglement and volunteer beach cleanups.

Contact: Texas General Land Office

Take Pride Gulfwide: Keep Gulf Coast Beautiful

Material: Brochure

Content: Defines marine debris, outlines problems, and lists and describes Gulf Coast State beach cleanup and Adopt-A-Beach programs. Produced by Texas Adopt-A-Beach Program.

Contact: U.S. EPA, Gulf of Mexico Program or Texas Adopt-A-Beach Program

Consumer Fact Sheet: Disposal of Plastics and Other Garbage in Waters of the U.S.

Material: Fact sheet

Content: Outlines and defines key terms for U.S. regulations that implement MARPOL Annex V.

Contact: U.S. Coast Guard

Everything You Need to Know to Start an Adopt-A-Beach Program

Material: Manual

Content: Provides information on how to initiate a statewide Adopt-A-Beach program.

Contact: Texas General Land Office

Marine Debris Facts and Figures

Material: Fact sheets

Content: Provides facts on use of plastics, sources of marine debris, and impacts on wildlife and the marine environment.

Contact: NOAA's Marine Debris Information Center

Marine Litter: A Dangerous Eyesore

Material: Fact sheets

Content: Describes problems of wildlife entanglement, decreased tourism, danger to beach users, and hazards to vessels caused by marine debris.

Contact: LA Sea Grant College Program

Recyclers in the State of LA

Material: Fact sheets

Content: Lists names, address, and telephone numbers of recycling centers throughout the state with information on types of materials handled by each center.

Contact: LA Department of Culture, Recreation, and Tourism

This is the End, Not the Beginning

Material: Flier

Content: Educational flier on the hazards to wildlife caused by plastic six-pack rings.

Contact: Wildlife Care Center

Coastal Connection

Material: Biannual Newsletter

Content: Provides information on marine debris problems and ongoing efforts to eliminate marine debris, and promotes beach cleanups nationwide.

Contact: Center for Marine Conservation, National Headquarters

Critter Cryer

Material: Monthly Newsletter

Content: Information for members of this non-profit center, including articles on entangled animals which have been taken for rehabilitation.

Contact: Peace River Wildlife Center

Louisiana Update

Material: Quarterly Newsletter

Content: Includes articles on recycling and volunteer cleanup programs.

Contact: LA Department of Culture, Recreation, and Tourism

Texas Beach Bulletin

Material: Quarterly Newsletter

Content: Includes articles on beach cleanups, coastal management, and other marine issues in Texas.

Contact: Texas General Land Office

Do Your Share to Show You Care - Rebeautification in Process

Material: Beach Cleanup Poster

Contact: MS Bureau of Marine Resources

Help for Hooked Birds

Material: Poster

Content: Designed to educate fishermen and beach users on how to release seabirds that have become entangled in monofilament fishing line.

Contact: Suncoast Seabird Sanctuary

Our Ocean Is Drowning. Stow Your Trash and Prevent Marine Debris. It's the Law.

Material: Poster

Content: Colorful poster depicts items of marine debris.

Contact: NOAA's Marine Debris Information Center

Stow It, Don't Throw It

Material: Sticker

Content: Bumper sticker, 3" x 5"

Contact: Center for Marine Conservation, Gulf Coast States Regional Office

Stow It, Don't Throw It! Take Pride Gulf Wide

Material: Sticker

Content: Bumper sticker, 3" x 5"

Contact: Texas General Land Office

Take Pride Gulf Wide: Stash Your Trash - Keep Mississippi Waters and Shorelines Clean

Material: Sticker

Content: Bumper stickers 3.5" x 5"

Contact: MS/AL Sea Grant Consortium

Marine Debris Bibliography

Material: Bibliography

Content: Comprehensive bibliography containing information sources on marine debris.

Contact: U.S. EPA or NOAA's Marine Information Center

Save Our Beaches

Material: Bookmark

Content: Provides information on Texas' Open Beaches Act and public access to Gulf beaches with seven safety tips for Texas beach cleanup volunteers.

Contact: Texas General Land Office

Texas State Aquarium Marine Debris Exhibit

Material: Display

Content: Public display including visuals and discovery boxes depicting the problems caused by marine debris. Exhibit highlights impacts of plastics and tar. Includes information on Texas Adopt-A-Beach Program and beach cleanups.

Contact: Texas State Aquarium

Stash Your Trash - Keep Mississippi Beaches Clean

Material: Button

Contact: MS Bureau of Marine Resources

U.S. EPA Headquarters Library

401 M Street, S.W.
Room 2904 PM-211A
Washington, DC 20460

Alabama Adopt-A-Beach Program

Contact: AL Department of Environmental Mgt.

Alabama Coastal Clean

Annual volunteer fall beach cleanup
Contact: AL Dept. of Envir. Mgt.

Florida Adopt-A-Shore Program

Contact: Keep Florida Beautiful, Inc.

Florida Coastal Clean

Annual volunteer fall beach cleanup
Contact: Center for Marine
Conservation, FL State Office

Louisiana-A-Beach Program

Contact: LA Dept. of Culture, Recreation, and Tourism

Louisiana September Sweep

Annual volunteer fall beach cleanup
Contact: LA Department of Culture,
Recreation, and Tourism

Mississippi Adopt-A-Beach Program

Contact: MS Bureau of Marine Research

Mississippi Coastal Clean

Annual volunteer fall beach cleanup
Contact: MS Bureau of Marine
Research

Texas Adopt-A-Beach Program

Contact: TX Adopt-A-Beach Program

Great Texas Beach Trash Off

Annual volunteer beach cleanup
Contact: Texas Adopt-A-Beach
Program or Keep Texas Beautiful

Texas Coastal Cleanup

Annual volunteer fall beach cleanup
Contact: Center for Marine Conservation,
Gulf Coast Regional Office, or
TX Adopt-A-Beach Program

Educational Materials for Wetlands

The Science Guy

U.S. EPA Environmental Research Laboratory, Corvallis, OR

Level: Grades 9-12

Media: Video

Content: Humorous video on wetlands protection for high school students

Wetlands: Maligned Treasures

PA DER Bureau of Dams, Waterways, and Wetlands

Level: Grades 8-12

Media: VHS Video; 24 minutes with fact sheets

Content: PA Department of Environmental Resources video depicts the status and trends of wetlands from the colonial period to the present and identifies the many important functions of wetlands.

Windows on Science: Wetlands

Optical Data Corporation

Level: Grades 5-12

Media: Videodisc

Content: A collection of facts, field trips, many demonstrations and experiments, and many hands-on, applied activities.

Decisionmaking: The Chesapeake Bay - An Interdisciplinary Environmental Education Curriculum Unit

University of Maryland Sea Grant College

Level: Grade 6-12

Material: Educational unit, 180 pages

Content: Not all appropriate to wetlands, but information deals with wetland issues directly.

Rivers and Wetlands Conservation Fact Sheets

PA DER Bureau of Dams, Waterways, and Wetlands

Division of Wetlands Protection

Level: Grades 7-12

Material: Fact Sheets

Content: General information on specific wetland topics.

Wetlands and Wildlife: Alaska Wildlife Curriculum and Teacher's Guides

Alaska Department of Fish & Game

Level: Grades 7-12

Material: The Junior & Senior High Unit for Grades 7-12

Content: Teacher Information Manuals (parts I & II); Teacher's Guide, Energy Flow Game, Field Trip Manual; Wetlands Cards.

Wetlands Watch Kit and Save our Streams Program

Izaak Walton League of America, Inc.

Level: Grades 5-12

Material: Fact sheets, publication list, activities, poster

Content: Kit provides basic information on wetlands and how to protect them, with fact sheets on wetland ecosystems, functions and values, the Clean Water Act; one fact sheet includes publication resource list.

National Wildlife Federation

National Wildlife Federation, Laurel Ridge

Level: Grades 7-12

Material: Magazine contains "Report to NWF Members"

Content: Carries wide variety of informative articles; includes report on legislation, education and the environment, including wetlands issues; report can be obtained without subscribing to magazine.

Pondwatch

Wildfowl & Wetlands Trust

Level: Grades 10-12

Material: Booklet, 24 pages

Content: Text on ponds as types of wetlands, including pond ecology, pond life and creating and conserving a pond; teacher packet also available.

A Query into Quagmires

Pennsylvania Forests

Level: 9-12

Material: Periodical article; 1989 80(3):3-5

Content: General outline of wetland ecology and regulations with section on forested wetland types in Pennsylvania.

Through the Eyes of a Young Naturalist

William S. Sipple

Level: Grades 8-12

Material: Book, 1991, Chief Ecologist, U.S. EPA Wetlands Division, Gateway Press, Inc., Baltimore; 204 pages

Content: Account of 20 years of author's life in New Jersey outdoors, from teenager through young adult years.

Wetlands

William A. Nearing

Level: Grades 10-12

Material: Wetlands guide, 1985; National Audubon Society, published by Alfred A. Knopf

Content: Excellent wetlands guide with information on vegetative and physical characteristics, including key to animals found in wetlands.

Resources for Wetlands Education Materials

The Adirondack Teacher Center

PO Box 3000
Paul Smiths, NY 12970
(518) 327-3000 or
(518) 327-5012

Dept. of Envir. Resources, Bureau of State Parks

Department of Education
Box 8551
Harrisburg, PA 17105-8551
(717) 783-4356

Dept. of Envir. Resources, Bureau of Dams, Waterways & Wetlands

Division of Wetlands Protection
PO Box 8554
Harrisburg, PA 17105-8554
(717) 787-6827

Great Lakes Science Advisory Board

Information Services
International Joint Commission
Great Lakes Regional Office
100 Ouellette Avenue, 8th FL
Windsor, Ontario N9A 6T3
(519) 256-7821 - **OR** -
PO Box 32869
Detroit, MI 48232-2869
(313) 226-2170

National Audubon Society

613 Riversville Road
Greenwich, CT 06830
(203) 869-5272

National Audubon Society Conservation Information Department & Education

950 Third Avenue
New York, NY 10022
(212) 832-3200

National Wildlife Federation

1400 16th Street, NW
Washington, DC 20036-2266
(202) 797-6800

North American Association for Environmental Education

PO Box 400
Troy, OH 45373
(513) 339-6835
(513) 698-6493 (FAX)

Pocono Environmental Education Center (PEEC)

RD 2, Box 1010
Dingman's Ferry, PA 18328
(717) 828-2319

Project Learning Tree

American Forest Foundation
1250 Connecticut Avenue, NW
Suite 320
Washington, DC 20036
(202) 463-2468

Project Wild

PO Box 18060
Boulder, CO 80308-8060
(303) 444-2390

**U.S. EPA Environmental Research
Laboratory**

Technical Information Manager
200 SW 35th Street
Corvallis, OR 97333
(503) 757-4651

**U.S. Fish and Wildlife Service -
Publications Unit**

Room 130, Arlington Square
1849 C Street, NW
Washington, DC 20240
(703) 358-1711

Optical Data Corporation

30 Technology Drive, Box 4919
Warren, NJ 07060
(908) 688-0022

**University of Maryland Sea Grant
College**

The University of Maryland
1222 H.J. Patterson Hall
College Park, MD 20742
(301) 405-6371

Kentucky Division of Water

Kentucky Natural Resources &
Environmental Protection Cabinet
Water Watch Program
18 Reilly Road
Frankfort, KY 40601
(502) 564-3410

Alaska Dept. of Fish & Game

Division of Wildlife Conservation
333 Raspberry Road
Anchorage, AK 99518
(907) 267-2241

**Izaak Walton League of America,
Inc.**

1401 Wilson Blvd.
Arlington, VA 22209
(703) 528-1818

Wildfowl & Wetlands Trust

Director of Education
Slimbridge, Glos.
GL2 7BT England
(011) 44-0453-890-333