
Resources

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Introduction

Ohio State University Extension and Soil and Water Conservation Districts (SWCDs) in Ohio conduct thousands of educational programs annually, many of which deal with environmental and natural resource topics. There are many resources available to enhance programming efforts, but finding them is often difficult within large and complex organizations. This publication is a collection of resources from OSU Extension and the Ohio Department of Natural Resources (ODNR) that may be of value in planning and conducting programs on environmental topics.

The *Roadmap to Environmental Education in Extension* is a project to help Extension educators incorporate more environmental education into their programs. This listing of educational resources is being offered as a tool for Extension and SWCD educators to assist them with their programming.

Frequently, educators in nonformal education programs like those provided by OSU Extension or SWCD's are faced with programs covering a wide range of topics presented to multiple audiences. Time constraints can hinder the ability of individuals to seek the resources they need to enhance their programs. Even within our organizations, the myriad of resources available is not fully used by our own staff. This collection of materials is designed to make it easier to locate these resources.

This list is an attempt to gather as many of the resources offered by OSU Extension and ODNR as possible as well as some from other organizations. It is not a complete listing either for these organi-

zations or others like them, but contains a good starting point towards program enhancement. The resources are divided by broad topics, and many of the materials listed are leaflets, fact sheets, or other items that could be used to supplement existing programs or as a basis from which new programs could be built.

The first section of this resource guide lists general information about environmental education, and then some general, highly respected environmental education curriculum and activity books. Following this are listings of resources on environmental issues from both OSU Extension and the Ohio Department of Natural Resources. The type of publication, the division (at ODNR) through which the publication can be obtained, or the order information (publication number for OSU Extension) follow those citations. Many of the resources are available or can be ordered online.

For OSU Extension, the address is:
<http://www.ohioline.ag.ohio-state.edu/>
For ODNR, the general web address is:
<http://www.dnr.state.oh.us/>

The general phone number for ODNR is (614)265-6565

Obviously, there are many other excellent resources for environmental education materials and environmental information. One source is the Ohio Environmental Protection Agency whose web address is: <http://www.epa.state.oh.us>. and <http://www.environmentaleducationohio.org>.

Good luck and good programming!

I. Environmental Education Information

A Strategic Plan for Environmental Education in Ohio. (1999). P. Barron, D. Cantrell, M. Morrone, C. Watkins, and D. Yandala. Order from: Environmental Education Council of Ohio, P.O. Box 2911, Akron, Ohio, 44309-1336.

Best Practices for Environmental Education—Guidelines for Success. (2000). J. Merideth, D. Cantrell, M. Conner, B. Evener, D. Hunn and P. Spector. Environmental Education Council of Ohio, P.O. Box 2911, Akron, Ohio, 44309-1336.

Closing the Achievement Gap. Using the Environment as an Integrating Context for Learning. (1998). G.A. Lieberman and L.L. Hoody. Poway, CA: Science Wizards.

Directory of Ohio Environmental Education Sites and Resources; Second Edition. (2001). Environmental Education Council of Ohio and Office of Environmental Education at Ohio EPA. Available from the Ohio EPA, Office of Environmental Education, P.O. Box 1049, Columbus, Ohio 43216-1049.

Education in Action: A Community Problem-Solving Program for Schools. (1988). W. B. Stapp and others. Ann Arbor, MI: University of Michigan, School of Natural Resources.

EE – TIPS: Resource Materials to Support your Environmental Education Efforts. (1996). North American Association for Environmental Education Rock Spring, GA: 410 Tarvin Rd., 30739.

EE Toolbox—Workshop Resource Manuals. (1994). National Consortium for Environmental Education Training. Dubuque, IA: Kendall/Hunt, 4050 Westmark Dr., 52002.

- Approaching Environmental Issues in the Classroom
- Designing Effective Workshops
- Integrating EE Into the School Curriculum
- Using Community Resources

- Defining Environmental Education
- Evaluating Environmental Education Materials
- Urban Environmental Education
- Using Computers in Environmental Education: Interactive Multimedia & On-Line Learning

EETAP Info-Sheets

(1995-2001). Heimlich, J.E. and others. Environmental Education and Training Partnership Resource Library, Ohio State University Extension. All items available on the Web address http://www.ag.ohio-state.edu/~comm_dev/eetap/

- ***Environmental Education and Learners with Disabilities.*** Info-Sheet #1.
- ***Curricular Resources for Environmental Education and Learners with Special Needs.*** Info-Sheet #2.
- ***Approaches to Environmental Education by Indigenous Cultures In North America.*** Info-Sheet #3.
- ***The Philosophical Approaches to Understanding the Native American Culture Through Environmental Education.*** Info-Sheet #4.
- ***Native American Legacy of Learning - A Collage of Resources for Education About the Environment.*** Information Sheet #5.
- ***The Art of Storytelling - A Popular Tool Used By Native Americans for Communicating Environmental Messages.*** Info-Sheet #6.
- ***Dwight D. Eisenhower Professional Development Federal Activities Program and Environmental Education.*** Library Info-Sheet #7.
- ***The Regional Educational Laboratory Program.*** Info-Sheet #8.
- ***Making the Experience of Environmental Education Experiential.*** Info-Sheet #9.

- ***Availability of Environmental Education Resources via Internet and CD-ROM.*** Info-Sheet #10.
- ***Inclusive Environmental Education.*** Info-Sheet #11.
- ***Understanding Environmental Education Programs.*** Info-Sheet #12.
- ***Environmental Education for Empowerment.*** Info-Sheet #13.
- ***Environmental Education: Can It Be Defined*** Info-Sheet #14.
- ***Environmental Education: As Defined By The Practitioners.*** Info-Sheet #15.
- ***Evolution of Environmental Education: Historical Development.*** Info-Sheet #16.
- ***Environmental Decision Making: A Basis For Informed Choices.*** Info-Sheet #17
- ***Environmental Literacy: What Does It Really Mean?*** Info-Sheet #19.
- ***Teaching About Human Population Issues in Environmental Education.*** Info-Sheet #20.
- ***The Meaning of Wilderness.*** Info-Sheet #21.
- ***Fields of Wilderness Experience Model.*** Info-Sheet #22.
- ***Exploring Environmental Education in the Schoolyard Habitat.*** Info-Sheet #23.
- ***Sense-Making Methodology: Trying to Make Sense of It All.*** Info-Sheet #24.
- ***Assessing Nonformal Environmental Education: Unobtrusive Data Collection.*** Info-Sheet #25.
- ***Window on the World: Classroom Gardening.*** Info-Sheet #26.
- ***Agenda 21: Global Partnership for Sustainable Development.*** Info-Sheet #27.
- ***Global Cooperation: Need for Partnerships in Environmental Education.*** Info-Sheet #28.
- ***Regional Alliances for Environmental Education: A Fundamental Process for Promoting Sustainable Living.*** Info-Sheet #29.
- ***Education for Sustainability: Common Grounds for Achieving Goals of Environmental Education.*** Info-Sheet #30.
- ***Project WILD: An Experience in Experiential Education.*** Info-Sheet #31.
- ***Project Learning Tree (PLT): Hands-on Learning in Environmental Education.*** Info-Sheet #32.
- ***The Importance of Energy Education in Environmental Education.*** Info-Sheet #33.
- ***Using Community Resources in Environmental Education.*** Info-Sheet #34.
- ***Environmental Education and Nature Centers.*** Info-Sheet #35.
- ***Decision Making: An Important Process for Environmental Educators.*** Info-Sheet #36.
- ***Decision Making: Grounded in Behaviors.*** Info-Sheet #37.
- ***Decision Making: A Hierarchy of Behaviors for Change.*** Info-Sheet #38.
- ***Earth Systems Education: Learning about Earth as a System.*** Info-Sheet #39.
- ***Earth Systems Education: Underlying Understandings.*** Info-Sheet #40.
- ***What is ERIC?*** Info-Sheet #41.
- ***What is ENC?*** Info-Sheet #42.
- ***Understanding Web Pages.*** Info-Sheet #43.
- ***Evaluating the Content of Web Pages.*** Info-Sheet #44.
- ***Global Environmental Change: A Case for Environmental and Science Education.*** Info-Sheet #45.
- ***The 1998 National Report Card on Environmental Knowledge, Attitudes and Behaviors: The Seventh Annual Survey of Adult Americans.*** Info-Sheet #46.
- ***The 1998 National Report on Environmental Knowledge, Attitudes, and Behaviors: Methodology Underlying Annual NEETF/Roper Surveys of Adult Americans.*** Info-Sheet #47
- ***An Environmental Education Agenda:***

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- ***Recommendations of NEETF/Roper Surveys.*** Info-Sheet #48.
 - ***Linking Environmental Education and English Language Development.*** Info-Sheet #49.
 - ***Ensuring Comprehensible Input for English Language Learners: Strategies for EE Providers.*** Info-Sheet #50.
 - ***Environmental Education in a Standards-Based Curriculum.*** Info-Sheet #51.
 - ***Environmental Education and the Social Studies: Making the Connections.*** Info-Sheet #52.
 - ***Environmental Education: A Tool for Making Education Reform Work.Ä*** Info-Sheet #53.
 - ***School Garden-Based Environmental Education: A Case Study.*** Info-Sheet #54.
 - ***Role of Education in Environmentalism and Social Justice.*** Info-Sheet #55.
 - ***Environmental Justice in a Changing World: A Historical Perspective.*** Info-Sheet #56.
 - ***Capacity Building for Environmental Education: How Does it Help Teachers?***Info-Sheet #57.
 - ***Developing Long-Term Partnerships with Natural Resource Professionals.*** Info-Sheet #58.
 - ***Environmental Justice and Environmental Education.*** Info-Sheet #59.
 - ***Role of Minority Students in Environmental Education.*** Info-Sheet #60.
 - ***International Resources Available to Environmental Educators.*** Info-Sheet #61.
 - ***North American Journals and Periodicals for Environmental Educators.Ä*** Info-Sheet #62.
 - ***A Plethora of Learning Resources for Environmental Education in the U.S.: Part I.*** Info-Sheet #63.
 - ***A Plethora of Learning Resources for Environmental Education in the U.S.: Part II.*** Info-Sheet #64.
 - ***A Plethora of Learning Resources for Environmental Education in the U.S.: Part III.*** Info-Sheet #65.
 - ***Environmental Education Resources Available for Teaching Various Disciplines: Part I.*** Info-Sheet #66.
 - ***Environmental Eudcation Resources Available for Teaching Various Disciplines: Part II.*** Info-Sheet #67
 - ***Environmental Education Resources for Multi-disciplinary Learning through Nonformal Education.*** Info-Sheet #68.
 - ***Information Technology: A Channel to Integrate Environmental Awareness and Education.*** Info-Sheet #69.
 - ***EE-Link: A Closer Look.*** Info-Sheet #70.
 - ***Instructional Technology: Where Does Environmental Education Fit In?*** Info-Sheet #71.
 - ***Educational Technology: Programmed Learning for Environmental Educa-tion.*** Info-Sheet #72.
 - ***Go Out and Teach! What Preparation Do Environmental Educators Need?*** Info-Sheet #75.
 - ***Adopt-A-Watershed: A School-Community Learning Experience in Environ-menta l Education.*** Info-Sheet #76.
 - ***Benchmarks for Environmental Education Movement in the United States.*** Info-Sheet #79.
 - ***Bilingual Environmental Education Resources: A Search Strategy*** Info-Sheet #80.
 - ***Environmental Education Resources in Spanish - I.*** Info-Sheet #83.
 - ***Gender Related Issues in Environmen-tal Education.*** Info-Sheet #92.
 - ***Impact of Environmental Education Activities on Environmental Literacy of Learners.*** Info-Sheet #93.
 - ***Water Festivals in Schools – Active Environmental Education.*** Info-Sheet #95.
 - ***Bridging the Gap Between Citizen Action Skills and Citizen Action Par-ticipation: A List of Ten Major Envi-***

Environmental Groups and their Missions. Info-Sheet #96.

- ***Fusing Multiculturalism and Environmental Education.*** Info-Sheet #97.

Environmental Education at a Glance. (1998). National Association of Conservation Districts. (1998). League City, TX.

Environmental Education in the Schools: Creating a Program that Works! (1993). J.A. Braus, and D. Wood. Washington, DC: Peace Corp.

Environmental Education Teacher Resource Handbook: A Practical Guide for K-12 Environmental Education. (1993). R. J. Wilke, Ed. Millwood, NY: Kraus International Publications.

Essential Readings in Environmental Education. (1993). H.R. Hungerford, (Ed.) Champaign, IL: Stipes Publishing L.L.C.

Excellence in Environmental Education. North American Association for Environmental Education. Rock Spring, GA: 410 Tarvin Rd., 30739. <http://naaee.org/>

- ***Excellence in Environmental Education: Guidelines for Learning (K-12)***
- ***Excellence in Environmental Education– Guidelines for Learning (K-12): Executive Summary and Self Assessment Tool***
- ***Excellence in Environmental Education: Guidelines for Materials***
- ***Guidelines for Initial Preparation of Environmental Educators***

- ***Guidelines Workbook***
- ***The Environmental Education Collection: A Review of Resources for Educators. Vol. 1.***
- ***The Environmental Education Collection: A Review of Resources for Educators. Vol. 2.***
- ***The Environmental Education Collection: A Review of Resources for Educators. Vol. 3.***
- ***The Biodiversity Collection: A Review of Biodiversity Resources for Educators.***

The Guidebook of Federal Resources for K-12 Mathematics and Science. (1996). Eisenhower National Clearinghouse, Columbus, OH: The Ohio State University.

Habitats for Learning. (1995). D. Cantrell and others. ODNR Division of Soil & Water Conservation, 4383 Fountain Square Dr., B-3, Columbus, OH 43224.

Ideas for Environmental Education in the Elementary Classroom. (1993). K. Murdoch. Australia.

Integrating Environmental Education and Science. Using and Developing Learning Episodes. (1994). D.C. Cantrell, and P.A. Barron (Eds.). Order from Environmental Education Council of Ohio, P.O. Box 2911, Akron, Ohio, 44309-2911.

Promoting Environmental Education. An Action Handbook for Strengthening EE in Your State and Community. (1994). A. Ruskey and R. Wilke. League City, TX: National Association of Conservation Districts.

Environmental Education Activities

Activities Integrating Mathematics and Science.

AIMS Education Foundation. Fresno, CA.

- Water Precious Water
- Down to Earth
- Finding your Bearings
- Our Wonderful World
- Overhead & Underfoot
- Popping with Power
- Primarily Plants
- Critters
- Primarily Earth
- Bats Incredible!
- The Budding Botanist
- Exploring Environments
- Field Detectives
- Through the Eyes of the Explorers

A Child's Place in the Environment.

California Department of Education. Sacramento, CA.

- Unit 1: Respecting Living Things
- Unit 2: Protecting Soil
- Unit 3: Preserving and Restoring Ecosystems
- Unit 4: Caring for Aquatic Systems
- Unit 5: Conserving Natural Resources
- Unit 6: Achieving a Sustainable Community

Earth Systems - Education Activities for Great Lakes Schools (ES-EAGLS).

Ohio Sea Grant Education Program. Columbus, OH: The Ohio State University.

- Great Lakes Climate & Water Movement
- Great Lakes Environmental Issues
- Great Lakes Shipping
- Land & Water Interactions in the Great Lakes
- Life in the Great Lakes

Great Explorations in Math and Science

(GEMS). Lawrence Hall of Science. Berkeley, CA: University of California.

- Mapping Fish Habitats
- Acid Rain
- River Cutters

- Earth, Moon, and Stars
- Earthworms
- Tree Homes
- Buzzing a Hive
- Hide a Butterfly
- Animal Defenses
- Animals in Action
- Mapping Animal Movements
- Ant Homes Under the Ground
- Terrarium Habitats
- Ladybugs
- Global Warming
- Eggs Eggs Everywhere
- Aquatic Habitats
- Schoolyard Ecology
- Hot Water...From Sunlight
- Environmental Detectives
- Mother Opossum and Her Babies

Give Water a Hand.

(1996). Board of Regents University of Wisconsin System. Madison, WI: University of Wisconsin Cooperative Extension, Environmental Resources Center.

Habitats for Learning.

(1995). Division of Soil and Water Conservation, Ohio Department of Natural Resources, 4383 Fountain Square Dr., B-3, Columbus, OH 43224.

Investigating Solid Waste Issues.

Division of Recycling and Litter Prevention, Ohio Department of Natural Resources, 1889 Fountain Square Court, Columbus, Ohio 43224-1388. Phone: 614-265-6333. <http://www.dnr.oh.us/odnr/recycling/index.html>

The Kid's Guide to Service Projects: Over 500 Service Ideas for Young People who Want to Make a Difference.

(1995). B.A. Lewis. Minneapolis, MN: Free Spirit Publishing Inc.

Leopold Education Project: Lessons in a Land

Ethic. J.S. Finden and R.W. Sewell. St. Paul, MN: Pheasants Forever Inc. Contact: Michael J. Stewart, 519 Hazelbrook Avenue, Springfield, Ohio, 45506-3009. (937) 324-3967.

Master Watershed Steward. (1997). Gary Comer, OSU Extension. Bellefontaine, OH: Indian Lake Watershed Project.

Naturescope. National Wildlife Federation. Washington, DC.

- Diving into Oceans
- Pollution
- Wading into Wetlands
- Rainforests
- Discovery Pac
- Trees are Terrific
- Amazing Mammals I & II
- Digging into Dinosaurs
- Astronomy Adventures
- Wild about Weather
- Geology: The Active Earth
- Incredible Insects
- Let's Hear It For Herps!
- Birds, Birds, Birds!
- Wild & Crafty
- Pollution: Problems & Solutions
- Discovering Deserts
- Endangered Species
- Rain Forests: Tropical Treasures

Outdoor Biology Instructional Strategies (OBIS). Lawrence Hall of Science. Nashua, NH: Delta Education.

- Ponds & Lakes
- Aquatic Animal Behavior
- Streams & Rivers
- Breakwaters and Bays
- Sea Shore

Portapark. Division of Parks and Recreation, Ohio Department of Natural Resources, 1952 Belcher Dr. C-3, Columbus, OH 43224-1386.

Project Food, Land and People: Resources for Learning. (1998). FLP-Ohio, 65 Poinsettia Road SE, Scio, OH, 43988.

Project Learning Tree. (1993). Division of Forestry, Ohio Department of Natural Resources, 1855 Fountain Square Court, H-1, Columbus, OH 43224-1383.

Project WET (Water Education For Teachers). (1995). Division of Water, Ohio Department of Natural Resources, 1939 Fountain Square Court, E-3, Columbus, OH 43224-1385.

Project WILD and Aquatic Project WILD, contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Dr. G-1, Columbus, OH 43224-1300.

Sharing Nature with Children. (1979). J.B. Cornell. Nevada City, CA: Ananda Publication.

Sharing the Joy of Nature. (1989). J.B. Cornell. Nevada City, CA: Ananda Publication.

Windows on Waste. Division of Recycling and Litter Prevention, The Ohio Department of Natural Resources, 1889 Fountain Square Court, Columbus, Ohio 43224-1388. Phone: 614-265-6333. <http://www.dnr.oh.us/odnr/recycling/index.html>

Windows on the Wild: Biodiversity Basics. (Student Book & Educator's Guide). (1999). World Wildlife Fund. Tustin, CA: Acorn Naturalists.

WOW! The Wonders of Wetlands (1995). B.E. Slattery and A.S. Kesselheim. St. Michael, MD: Environmental Concern, Inc. and Bozeman, MT: The Watercourse.

II. Agriculture Information

Title	OSU Extension Publication Number
Agricultural Best Management Practices	AEX464
Land Application Manure-Part 1	AEX704
Land Application Manure-Part 2	AEX705
Land Application/Sewage/Sludge	Bulletin 598
Land Application/Waste	AEX707
Modern Composting	Bulletin 792
Best Management Practices	FS-818
Ohio Livestock Manure And Wastewater Management Guide	Bulletin 604
The Composting Process	Bulletin 792
The Ohio Agronomy Guide	Bulletin 472-96

Agriculture Activities

Ag in the Classroom. Contact Ohio Agricultural Council, 5250 Williamsburg Cir, Hilliard, OH 43026-1735, phone: 614-876-4636, fax: 614-876-0751, e-mail: mcnutt.2@osu.edu. <http://www.ohio.aitc.org/>

Celebrating the Harvest A-Z. Contact Curriculum Materials Service, 254 Ag Admin Bldg, 2120 Fyffe Rd, Columbus, OH 43210-1067, phone: 614-292-4848, fax: 800-292-4919, e-mail: cms@osu.edu. <http://www-cms.ag.ohio-state.edu/>

Project Food, Land and People: Resources for Learning. Contact FLP-Ohio, 65 Poinsettia Road SE, Scio, OH, 43988.

Cycling Back to Nature: Soils Alive. (1995). R. Horton and J.E. Heimlich. Washington, DC: National 4-H Council.

Cycling Back To Nature: Food Production and Pesticides.(1995). M. Kroll. Washington, DC: National 4-H Council.

III. Birds and Birding Information

The following life histories are available from the Ohio Department of Natural Resources, Division of Wildlife. <http://www.odnr/wildlife>. Phone: 614-265-6300.

American Crow in Ohio
Bald Eagle in Ohio
Barn Owl in Ohio
Canada Goose in Ohio
Cardinal in Ohio
Common Bobwhite in Ohio
Eastern Bluebird in Ohio
Eastern Screech Owl in Ohio
Great Horned Owl in Ohio
Mourning Dove in Ohio
Ring-necked Pheasant in Ohio
Ruffed Grouse in Ohio
Trumpeter Swan in Ohio
Whistling Swan in Ohio
Wild Turkey in Ohio
Wood Duck in Ohio
Woodcock in Ohio

All the following leaflets and reports are also available from the Ohio Department of Natural Resources, Division of Wildlife.

Attracting Birds in Ohio
Bird Banding Requirements in Ohio
Bird Feeding
Birds of Delaware Wildlife Area
Birds of Magee Marsh Wildlife Area
Elementary Teacher's Guide-Sportmen's Migratory
Bird Center
Falconry
Hawks in Ohio
Hit the Trail for Bluebirds
Nest Boxes for Barn Owls
Peregrine Falcons in the City Canyons
Pigeon Bands
Waterfowl Identification Key

Birds and Birding Activities

See "I. Environmental Education Activities," especially the activities within the following guides:

Naturescope. National Wildlife Federation. Washington, DC. "Birds, Birds, Birds!"

Project WILD and Aquatic Project WILD.

Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Dr. G-1, Columbus, OH 43224-1300

IV. Boating Information

These publications for boating information are developed by the Ohio Department of Natural Resources, Division of Watercraft. They are available from the ODNR Public Information Center. Phone: 614-265-6791.
<http://www.dnr.state.oh.us/publications/publications.html>.

#3 South Central Section Stream Map
#4 Southeast Section Stream Map
#5 Northeast Section Stream Map
Laws and Safety
Ohio Boating Areas– 50 Acres and Larger
Ohio Power Recreation Area Permit and Maps
Ohio State Forests
Visitors Guide to Ohio’s State Nature Preserves

#1 Northwest Section Stream Map
#2 Southwest Section Stream Map

Boating Activities

See “I. Environmental Education Activities.”

V. County Environmental Data Series

The following fact sheets are available on-line at <http://ohioline.ag.ohio-state.edu/>

Title	OSU Extension Publication #
Adams County Environmental Data	CDFS-EN.ADAM-98
Allen County Environmental Data	CDFS-EN.ALLE-98
Ashland County Environmental Data	CDFS-EN.ASHL-98
Ashtabula County Environmental Data	CDFS-EN.ASHT-98
Athens County Environmental Data	CDFS-EN.ANTH-98
Auglaize County Environmental Data	CDFS-EN.AUGL-98
Belmont County Environmental Data	CDFS-EN.BELM-98
Brown County Environmental Data	CDFS-EN.BROW-98
Butler County Environmental Data	CDFS-EN.BUTL-98
Carroll, Harrison, and Jefferson Tri-County Environmental Data	CDFS-EN.CARR-98
Champaign County Environmental Data	CDFS-EN.CHAM-98
Clark County Environmental Data	CDFS-EN.CLAR-98
Clermont County Environmental Data	CDFS-EN.CLER-98
Clinton County Environmental Data	CDFS-EN.CLIN-98
Columbiana County Environmental Data	CDFS-EN.COLU-98
Coshocton County Environmental Data	CDFS-EN.COSH-98
Crawford County Environmental Data	CDFS-EN.CRAW-98
Cuyahoga County Environmental Data	CDFS-EN.CUYA-98
Darke County Environmental Data	CDFS-EN.DARK-98
Defiance County Environmental Data	CDFS-EN.DEFI-98
Delaware County Environmental Data	CDFS-EN.DELA-98
Erie County Environmental Data	CDFS-EN.ERIE-98
Fairfield County Environmental Data	CDFS-EN.FAIR-98
Fayette County Environmental Data	CDFS-EN.FAYE-98
Franklin County Environmental Data	CDFS-EN.FRAN-98
Fulton County Environmental Data	CDFS-EN.FULT-98
Gallia County Environmental Data	CDFS-EN.GALL-98
Geauga County Environmental Data	CDFS-EN.GEAU-98
Greene County Environmental Data	CDFS-EN.GREE-98
Guernsey County Environmental Data	CDFS-EN.GUER-98
Hamilton County Environmental Data	CDFS-EN.HAMI-98
Hancock County Environmental Data	CDFS-EN.HANC-98
Hardin County Environmental Data	CDFS-EN.HARD-98
Carroll, Harrison, and Jefferson Tri-County Environmental Data	CDFS-EN.HARR-98
Henry County Environmental Data	CDFS-EN.HENR-98
Highland County Environmental Data	CDFS-EN.HIGH-98
Hocking County Environmental Data	CDFS-EN.HOCK-98
Holmes County Environmental Data	CDFS-EN.HOLM-98
Huron County Environmental Data	CDFS-EN.HURO-98
Jackson County Environmental Data	CDFS-EN.JACK-98
Carroll, Harrison, and Jefferson Tri-County Environmental Data	CDFS-EN.JEFF-98
Knox County Environmental Data	CDFS-EN.KNOX-98

Lake County Environmental Data	CDFS-EN.LAKE-98
Lawrence County Environmental Data	CDFS-EN.LAWR-98
Licking County Environmental Data	CDFS-EN.LICK-98
Logan County Environmental Data	CDFS-EN.LOGA-98
Lorain County Environmental Data	CDFS-EN.LORA-98
Lucas County Environmental Data	CDFS-EN.LUCA-98
Madison County Environmental Data	CDFS-EN.MADI-98
Mahoning County Environmental Data	CDFS-EN.MAHO-98
Marion County Environmental Data	CDFS-EN.MARI-98
Medina County Environmental Data	CDFS-EN.MEDI-98
Meigs County Environmental Data	CDFS-EN.MEIG-98
Mercer County Environmental Data	CDFS-EN.MERC-98
Miami County Environmental Data	CDFS-EN.MIAM-98
Monroe County Environmental Data	CDFS-EN.MONR-98
Montgomery County Environmental Data	CDFS-EN.MONT-98
Morgan County Environmental Data	CDFS-EN.MORG-98
Morrow County Environmental Data	CDFS-EN.MORR-98
Muskingum County Environmental Data	CDFS-EN.MUSK-98
Noble County Environmental Data	CDFS-EN.NOBL-98
Ottawa County Environmental Data	CDFS-EN.OTTA-98
Paulding County Environmental Data	CDFS-EN.PAUL-98
Perry County Environmental Data	CDFS-EN.PERR-98
Pickaway County Environmental Data	CDFS-EN.PICK-98
Pike County Environmental Data	CDFS-EN.PIKE-98
Portage County Environmental Data	CDFS-EN.PORT-98
Preble County Environmental Data	CDFS-EN.PREB-98
Putnam County Environmental Data	CDFS-EN.PUTN-98
Richland County Environmental Data	CDFS-EN.RICH-98
Ross County Environmental Data	CDFS-EN.ROSS-98
Sandusky County Environmental Data	CDFS-EN.SAND-98
Scioto County Environmental Data	CDFS-EN.SCIO-98
Seneca County Environmental Data	CDFS-EN.SENE-98
Shelby County Environmental Data	CDFS-EN.SHEL-98
Stark County Environmental Data	CDFS-EN.STAR-98
Summit County Environmental Data	CDFS-EN.SUMM-98
Trumbull County Environmental Data	CDFS-EN.TRUM-98
Tuscarawas County Environmental Data	CDFS-EN.TUSC-98
Union County Environmental Data	CDFS-EN.UNIO-98
Van Wert County Environmental Data	CDFS-EN.VANW-98
Vinton County Environmental Data	CDFS-EN.VINT-98
Warren County Environmental Data	CDFS-EN.WARR-98
Washington County Environmental Data	CDFS-EN.WASH-98
Wayne County Environmental Data	CDFS-EN.WAYN-98
Williams County Environmental Data	CDFS-EN.WILL-98
Wood County Environmental Data	CDFS-EN.WOOD-98
Wyandot County Environmental Data	CDFS-EN.WYAN-98

VI. Economics of the Environment Information

Title	OSU Extension Publication #
Incentive Programs For Improving Environmental Quality	AE-1-97
The Environmental Quality Incentive Program: EQIP	AE-2-97
Climate Change: Science, Policy, and Economics	AE-3-98
Cost-Share Program Evaluation Worksheet: Cost of Owning Specialized Equipment	AE-4-98
An Economic Comparison of Three Manure Handling Systems	AE-5-99
The Economics of Vegetative Filter Strips	AE-6-99

Economics of the Environment Activities

See “I. Environmental Education Activities.”
There are economic activities in many of the
resource guides. See especially:

Windows on the Wild: *Biodiversity Basics*.
(Student Book & Educator’s Guide). (1999)
World Wildlife Fund. Tustin, CA: Acorn Naturalists.

VII. Energy Information

Title	OSU Extension Publication #
Coal Combustion Products	AEX-330-99
The following fact sheets are available at: http://ohioline.ag.ohio-state.edu/	
New Light On Electric Bills Fight Higher Energy Costs	

Energy Activities

Ohio Energy Project, 7099 Huntly Road, Columbus, Ohio 43229. Phone: 614-785-1717. Excellent resources and teacher workshops. <http://ohioenergy.org/>

VIII. Fishing and Fish Management Information

The following life histories are all available from the ODNR Division of Wildlife, 614-265-6300. <http://www.dnr.oh.us/wildlife/>

American Eel in Ohio
Black Crappie in Ohio
Bluntnose & Northern Fathead Minnows in Ohio
Bowfin in Ohio
Brook Stickleback in Ohio
Brook Trout in Ohio
Brown Trout in Ohio
Bullheads in Ohio
Carp in Ohio
Central Longear Sunfish in Ohio
Central Mottled Sculpin in Ohio
Central Quillback in Ohio
Channel Catfish in Ohio
Coho Salmon in Ohio
Common Shiner & Common Emerald Shiner in Ohio
Common White Sucker in Ohio
Eastern Burbot in Ohio
Flathead Catfish in Ohio
Freshwater Drum in Ohio
Gizzard Shad in Ohio

Golden Shiner & Northern Creek Chub in Ohio
Green Sunfish & Warmouth in Ohio
Lake Sturgeon in Ohio
Lake Whitefish in Ohio
Least Brook Lamprey & Silver Lamprey in Ohio
Longnose Gar in Ohio
Mooneye & Goldeneye in Ohio
Mosquitofish in Ohio
Muskellunge in Ohio
Northern Bluegill in Ohio
Northern Largemouth Bass in Ohio
Northern Pike in Ohio
Northern Rock Bass in Ohio
Northern Smallmouth Bass in Ohio
Northern Spotted Bass in Ohio
Paddlefish in Ohio
Pickerels in Ohio
Pumpkinseed in Ohio
Rainbow Trout in Ohio
Sauger in Ohio
Saugeye in Ohio
Walleye & Blue Pike in Ohio
White Bass in Ohio
Yellow Perch in Ohio

Fishing and Fish Management Activities

See “I. Environmental Education Activities,” especially the activities within the following guides:

Project WILD and ***Aquatic Project WILD***. Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Drive, G-1, Columbus, Ohio 43224-1300.

Hooked on Fishing, Not on Drugs. Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Drive, G-1, Columbus, Ohio 43224-1300.

Windows on the Wild: Biodiversity Basics. (1999). World Wildlife Fund. Tustin, CA: Acorn Naturalists.

Earth Systems - Education Activities for Great Lakes Schools (ES - EAGLS).

- Great Lakes Environmental Issues
- Life in the Great Lakes

IX. Forestry Information

The following bulletins and information sheets are available from the Ohio Department of Natural Resources, Division of Forestry. Phone: 614-265-6694. <http://www.hcs.ohio-state.edu/ODNR/Forestry.htm>

Title	ODNR Publication #
Forests of Ohio	
Windbreaks	F2-3
Stacking Lumber for Drying	F-8
Calibration Of Hand Sprayers For Herbicide Application	F-20
Calibrating Boom Sprayers for Forestry Herbicide Application	F-21
Woodlands Make Poor Pastures	F-15
How Much Herbicide Do I Need?	F-23
How to Determine your Timber Basis	F-25
Tree Planting- Reforestation Investment Tax Credit and Amortization	F-27
Recovering Timber Costs-Capital Expenditures	F-28
Recovering your Timber Management Costs	F-29
Tax Treatment from Timber Sales	F-30
Timber Losses Through Casualty, Theft or Condemnation-Tax Treatment	F-31
Timber Tax Definitions	F-32
The Gypsy Moth in Ohio: Minimizing Its Impact on Ohio's Woodlands	F-33
Forest Management Developing a Plan to Care For Your Forest	F-34
Measuring Standing Trees Determining Diameter, Merchantable Height, and Volume	F-35
Hobby Maple Syrup Production	F-36
Getting the Most Return From Your Timber Sale: Don't Just Sell Your Timber, Market It	F-37
Timber Sale Contracts,	F-38
Urban Walnut Trees: Their Value as Timber or Veneer	F-44
Controlling Undesirable Trees, Shrubs and Vines in Your Woodland	F-45
Maple Candy and Other Confections	F-46-97
Harvesting and Reproduction Methods for Ohio Forests	F-47-97
A Guide to Increasing Financial Returns From Your Woodland	F-48-97
Selecting and Caring For Your Cut Christmas Tree	F-49-99
Cows Make for Poor Woodlands	
Trees for Cleaner Streams	
Homeowner's Guide for Beautiful, Safe, and Healthy Trees	
Forest Fact Sheet	

Forestry Activities

See “I. Environmental Education Activities,” especially the activities within the following guides:

Project Learning Tree. (1993). Contact the Ohio Department of Natural Resources, Division of Forestry. Phone: 614-265-6694. Division of Forestry, 1855 Fountain Square Court, Building H-1, Columbus, Ohio 43224-1383.

Nature Scope. National Wildlife Federation. Washington, DC.

- Trees are Terrific

Great Explorations in Math and Science (GEMS). Lawrence Hall of Science, Berkeley, California.

- Tree Homes

X. Geology Information

The following are fact sheets in the GeoFacts series from the ODNR Division of Geological Survey. Phone: 614-265-6576. http://www.dnr.oh.us/geo_survey/

Title	ODNR Publication #
Bedrock Topography of Ohio	GeoFacts No. 1
Industrial-Mineral Mine-Permitting Procedures in Ohio - not available; to be revised at a later date.	GeoFacts No. 2
Earthquakes and Seismic Risk in Ohio	GeoFacts No.3
Ohio Shale Concretions	GeoFacts No. 4
Ohio Trilobites	GeoFacts No.5
<i>Isotelus</i> . Ohio's State Fossil	GeoFacts No.6
The Scioto Saline—Ohio's Early Salt Industry	GeoFacts No.7
Landslides in Ohio	GeoFacts No. 8
Gold in Ohio	GeoFacts No. 9
The Teays River	GeoFacts No. 10
Rocks and Minerals Mined in Ohio and Their Uses	GeoFacts No. 11
Mine Subsidence	GeoFacts No. 12
The Geology of Ohio—the Precambrian	GeoFacts No. 13
History of Coal Mining in Ohio	GeoFacts No. 14
Coal Mining and Reclamation	GeoFacts No. 15
Coal and Electricity	Geofacts No. 16
Fossil Collecting in Ohio	Geofacts No. 17
Rock and Mineral Clubs in Ohio	Geofacts No. 18
Sand and Gravel	Geofacts No. 19
The Geology of Ohio—the Cambrian	Geofacts No. 20
Where to See Ohio's Geology	Geofacts No. 21
The Effects of the Great New Madrid Earthquakes in Ohio	Geofacts No. 22
A Brief Summary of the Geologic History of Ohio	Geofacts No.23

The following are educational leaflets (El) available from the Division of Geological Survey. For many of these, the Division makes single copies available at no charge.

The Search for Uranium	El 1
Prospecting for Uranium in Ohio Out of Print	
Who Was Who in the Ice Age. (1952). Out of print. See Educational Leaflet 7	El 2
What the Glaciers Did to Ohio. (1953). Out of print. See Educational Leaflet 7	El 3
Focus on Oil. (1954). Out of Print	El 4
About Ohio Rocks and Minerals. Out of print	El 5
Flint, Ohio's Official Gemstone	El 6
The Ice Age in Ohio	El 7
Coal	El 8
Earthquakes in Ohio	El 9

Geology in Land-capability Analysis. Out of Print	El 10
Guide to Geology along U.S. Route 23 Between Columbus and Portsmouth	El 11
Clay and Shale	El 12
Guide to the Geology along Interstate 75 between Toledo and Cincinnati	El 13
Guide to the Geology along Interstate 70 between the Ohio-Indiana Boundary and Columbus	El 14
Guide to the Geology along Interstate 77 between Marietta and Cleveland	El 15

Geology Activities

The resources that follow are in the **Hands on Earth Science Series** from the Division of Geological Survey.

Title	ODNR Publication#
Crystal Garden	No. 1
Egg Tectonics	No. 2
Everyone Loves Fossils	No. 3
Ohio Geology Word Search	No. 4
Ohio Geology Crossword Puzzle	No. 5
Rocks and Minerals Are Everywhere	No. 6
Modeling Ohio's Geology	No. 7
Understanding Geologic Time	No. 8
How to Determine True North	No. 9
Two Scale Models of the Earth-moon System	No. 10
Is it a Rock or a Mineral?	No. 11
Do Rocks Last Forever?	No. 12
Playing Robinson's Wall Game	No. 13
Just How Big Is the Sun?	No. 14
Locating the Position of the Setting Sun	No. 15

See "I. Environmental Education Activities," especially the activities within the following guides:

Activities Integrating Mathematics and Science (AIMS). AIMS Education Foundation. Fresno, California.

- Down to Earth
- Primarily Earth

Great Explorations in Math and Science (GEMS). Lawrence Hall of Science, Berkeley, CA.

- River Cutters
- Earth, Moon and Stars

Naturescope. National Wildlife Federation. Washington, D.C.

- Digging into Dinosaurs
- Astronomy Adventures
- Geology: The Active Earth

Earth Systems - Education Activities for Great Lakes Schools (ES-EAGLS). Ohio Sea Grant Education Program. Columbus, OH: The Ohio State University.

- Great Lakes Climate & Water Movement
- Great Lakes Environmental Issues
- Great Lakes Shipping
- Land & Water Interactions in the Great Lakes
- Life in the Great Lakes

XI. Household Information

Title	OSU Extension Publication #
Home Environment	
Hazardous Materials in the Home	CDFS103
Reducing Hazardous Materials in the Home	CDFS104
Recipes for a Healthy Home	CDFS105
Exploring Plants	Bulletin 097
Designing Outdoor Living Spaces	Bulletin 492
Furniture and Woodwork Recycling	Bulletin 493
Trees and Home Construction	Bulletin 870-99
Household Management	
Home Safety	
Wood Rot	HYG-3300-96
Lead Contamination in the Home	HYG-5008
Sun Exposure: Precautions and Protection	HYG-5550-97
Invisible Environments: Human Health and Environmental Influences	
Quick Home Test Can Measure Radon	
Q & A - Fight Mildew with Right Mixture	
Guidelines for the Environmentally Conscious	CDFS180
Cooling Appliances and the Clean Air Act	CDFS181
The Ozone Layer	CDFS182
Are Electromagnetic Fields Hazardous to Your Health?	CDFS185-96
Global Climate Change	CDFS186-96
Asbestos	CDFS-187-95
Environmental Impact Statements	CDFS-188-96
Radon	CDFS-189-96
Noise	CDFS-190-98
Indoor Air Quality: Molds and Dust	CDFS-191-96
Multiple Chemical Sensitivity	CDFS-192-96
Lead	CDFS-193-97
Sick Building Syndrome	CDFS-194-97
Understanding Environmental Risk	CDFS-195-96
Understanding Environmental Risk: Part II: Terminology	CDFS-196-97
Environmental Tobacco Smoke	CDFS-197-97
Formaldehyde	CDFS-198-97
Ultraviolet Radiation	CDFS-199-98
Mercury	CDFS-200-98
PCBs	CDFS-201-98
Seasonal Affective Disorder	CDFS-202-98
Managing Clothing Resources	
Wardrobe Management	
Recycling Clothing Using Your Sewing Skills	HYG-5504

Recycling Clothing with No Sewing Skills Needed	HYG-5505
The Diaper Decision - Not a Clear Issue	HYG-5503
Textiles and Clothing Care	
Pesticide Contaminated Clothing Needs Washing Care	HYG-5117
Textile and Clothing Recycling	
Recycling Children's Clothing (transparencies)	CO 202
Your Wardrobe Recycled (transparencies and teaching unit)	CO 203
Recycle Your Clothes (kit)	CO 306
Better Living Series Exhibit	CO 507
Shopping Resale	SE 316
EcoTextiles Exhibit	T 503
Textiles Recycling Kit	T 505
Sun Safety	
Suntan Precautions and Protection	AP 204
Sun Safety Exhibit	NM AP 500
It is Time to Change Your Hat Exhibit	AP 501
Chemical Cautions	
Farm Chemical Safety is in Your Hands (protective clothing)	T111
Always Wear the Right Stuff	T1112
Laundering Pesticide Contaminated Clothing	T304A
Pesticide Protective Clothing and Equipment	T304B
Pesticide Safety Exhibit (velcro board)	NM T501

Household Activities

See "I. Environmental Education Activities."

57 Ways to Protect Your Home Environment (and Yourself). (1996). Weinzierl, R., et al. Urbana, IL: University of Illinois, Ag. Publication Office, 67 Mumford Hall, Urbana, IL 61801.

XII. Land Use Information

Title	OSU Extension Publication#
Land Trusts	CDFS-1262-98
Purchase of Development Rights	CDFS-1263-98
Transfer of Development Rights	CDFS-1264-98
Zoning	CDFS-1265-99
Agricultural Zoning	CDFS-1266-99
Current Agricultural Use Value Assessment in Ohio	CDFS-1267-99
Agricultural Districts in Ohio	CDFS-1268-99
Comprehensive Planning	CDFS-1269-99
Cluster Development	CDFS-1270-99
Costs of Community Services	CDFS-1260-98
Conservation Easements	CDFS-1261-98

Land Use Activities

See “I. Environmental Education Activities.” There are land use activities in many of the resource guides. See especially:

Project Food, Land and People: Resources for Learning. (1998). Contact FLP-Ohio, 65 Poinsettia Road SE, Scio, OH, 43988.

XIII. Pesticides Information

Title	OSU Extension Publication #
Designing Facilities for Fertilizers and Pesticides	MWPS-37
On-Farm Agrichemical Mixing/Loading Pad	AEX-522
On-Farm Agrichemical Handling Facilities	NRAES-78
Pesticide User's Guide	Bulletin 745
Pesticides and Groundwater Contamination	Bulletin 820
Pesticides and Groundwater: A Guide for the Pesticide User	NRAES-34
Protective Clothing for Pesticide Use	Bulletin 750
Reducing Pesticide Waste	Bulletin 819
Reducing Spray Drift	Bulletin 816
Rinsing and Disposal of Pesticide Containers	CDFS 116-91
Weed Control Guide for Ohio Field Crops	Bulletin 789
The Fate of Pesticides in the Urban Environment (Slide set)	ST7
Rinsing Pesticide Containers	ST9
Mosquito Pest Management	Bulletin 641
Mayflies and Lake Erie	FS-069
Nuisance Aquatic Insects	HYG-2037-95
Mosquitoes	HYG-2058-98
Horsehair Worms	HYG-2112-93
Midges and Crane Flies	HYG-2129-97
Asian Tiger Mosquito	HYG-2148-98
Mayflies	HYG-2166-97
Black Flies	HYG-2167-97

Pesticides Activities

See "I. Environmental Education Activities," especially the activities within the following guides:

Project WILD and Aquatic Project WILD.

Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Dr. G-1, Columbus, OH 43224-1300

Earth Systems - Education Activities for Great Lakes Schools (ES-EAGLS). Ohio Sea Grant Education Program. Columbus, OH: The Ohio State University.

- Great Lakes Environmental Issues

XIV. Ponds and Wetlands Information

Title	OSU Extension Publication #
Ohio Pond Management	374-99
Placing Artificial Fish Attractors in Ponds and Reservoirs	A-1-98
Pond Measurements	A-2-98
Controlling Filamentous Algae in Ponds	A-3-98
Chemical Control of Aquatic Weeds	A-4-98
Using Constructed Wetlands for Removing Contaminants from Livestock Wastewater	A-5-98
Farm Pond Safety	AEX-390
Fire Protection in Rural Areas: Dry Hydrants for Ponds	AEX-422-98
PCBs: Their History and Our Health	FS-007
Farm Pond Management Tips	FS-061
The Development of Areas of Concern (AOC)	FS-041
Wetlands and Fisheries	FS-063
Triploid White Amur for Ohio	HYG-7001-88
Using Constructed Wetlands for Removing Contaminants from Livestock Wastewater	A-5-98
Controlling Weeds in Ohio Ponds (Video-tape)	VT50

Ponds and Wetlands Activities

WOW! The Wonders of Wetlands. (1995). B.E. Slattery and A.S. Kesselheim. St. Micheal, MD: Environmental Concern, Inc. and Bozeman, MT: The Watercourse.

Project Aquatic Wild. Contact Division of Wildlife. Ohio Department of Natural Resources, 1840 Belcher Drive, G-1, Columbus, Ohio 43224-1300.

Project WET (Water Education for Teachers). (1995). Contact ODNR, Division of Water, 1939 Fountain Square Court, Building E-3, Columbus, Ohio 43224. Phone: 614-265-6610. <http://www.dnr.oh.us/odnr/soil+water/soil+water.html>

Naturescope. National Wildlife Federation. Washington, D.C.
• Wading into Wetlands.

Outdoor Biology Instructional Strategies. Lawrence Hall of Science. Nashua, NH: Delta Education.

XV. Soil Information

Title	OSU Extension Publication #
Background Level of Heavy Metals in Ohio Farms Soils	Research circular275
Effects of Flooding and Ponding on Corn	AGF-118-95
Soil Sampling, Handling and Testing	AGF-206-95
The Ohio Agronomy Guide	Bulletin 472

Soil Regions of Ohio is available from ODNR
Division of Soil and Water Conservation, 4383
Fountain Square Drive, B-3, Columbus, OH 43224-
1362.

[www.dnr.state.oh.us/odnr/soil&water/
soil&water.html](http://www.dnr.state.oh.us/odnr/soil&water/soil&water.html)

Soil Activities

Cycling Back to Nature: Soils Alive. (1995).
Horton, R.L., J.E. Heimlich, J.R. Hollyer, and B.
Owen. Washington, DC: National 4-H Council.

A Child's Place in the Environment. California
Department of Education. Sacramento, CA.
• Unit 2: Protecting Soil

Dirt Cookbook. (1999). Miami Soil and Water
Conservation District. Troy, OH: 1330 N. Co. Rd.
25A, 45373

***Great Explorations in Math and Science
(GEMS).*** Lawrence Hall of Science. Berkeley, CA:
University of California.
• Terrarium Habitats

Activities Integrating Mathematics and Science.
AIMS Education Foundation. Fresno, CA.

- Water Precious Water
- Our Wonderful World
- Overhead & Underfoot

***Project Food, Land and People: Resources for
Learning.*** (1998). FLP-Ohio, 65 Poinsettia Road
SE, Scio, OH, 43988.

XVI. State Parks Information

The following publications are available from the Ohio Department of Natural Resources, Division of State Parks. www.dnr.state.oh.us/parks/

Overnight Facility Fees
Rent-a-camp and other camping options
Volunteers in Parks (VIP)
Calendar of Events

Adopt-a-Trail
Directory (Individual maps of some parks available)

State Parks Activities

See “I. Environmental Education Activities,” there are many activities that can be done in park setting.

Portapark Contact Division of Parks and Recreation, Ohio Department of Natural Resources, 1952 Belcher Drive, C-3, Columbus, Ohio 43224-1386.

XVII. Waste Management Information

Title	OSU Extension Publication #
Animal Waste Management	
Drinking Water Regulations	AEX-423-98
Land Application of Waste...Spreading and Injection	AEX-707
Avoiding Stream Pollution from Animal Manure	AEX-708
Managing Livestock Waste Facilities...Controlling Crystal Formation in Recycle Flush Systems	AEX-709
Land Application of Livestock Waste..Legislation, Regulations, Guidelines and Standards	AEX-710
Composting Swine Mortality Principles and Operation	AEX-711-97
Swine Composting Site Selection	AEX-712-97
A Manure Nutrient Management Program	AGF-207
Land Application of Animal Manure	AGF-208
Land Application of Poultry Litter	ANR-0004-98
Background Level of Heavy Metals in Ohio Farm Soils	Research Cir. 275
Using Constructed Wetlands for Removing Contaminants from Livestock Wastewater	A-5-98
Handling Milking Center Wastewater to Avoid Pollution	AEX-706
Pollution Control Guide for Milking Center Wastewater Management	NCR-549
Ohio Livestock Manure and Wastewater Management Guide	Bulletin 604
Poultry Manure Management and Utilization Problems and Opportunities	Bulletin 804
Guidelines for Livestock Producers: by Ohio Agricultural Service Team	
Radioactive Waste	
What is Low-Level Radioactive Waste?	RER-10
What Processes Use Radioactive Materials?	RER-11
Who Creates Low-Level Radioactive Waste, and What are They Doing With It?	RER-12
How Much Low-Level Radioactive Waste is Generated In the Midwest Compact?	RER-13
Low-Level Radioactive Waste From Decontamination and Decommissioning of Facilities That Use Radioactive Materials	RER-14
What is Radioactive Material, and How Does It Decay?	RER-20
What is Ionizing Radiation?	RER-21
What are the Sources of Ionizing Radiation?	RER-22
How is Ionizing Radiation Measured?	RER-23
What are the Health Effects of Ionizing Radiation?	RER-24
How Do Radioactive Materials Move Through the Environment to People?	RER-25
How are People Protected From Ionizing Radiation?	RER-26
What Regulations Govern Radiation Protection?	RER-27
How Does Geology Affect the Disposal of Low-Level Radioactive Waste?	RER-32

How Does Hydrogeology Affect the Disposal of Low-Level Radioactive Waste?	RER-33
What are the Siting Criteria For a Low-Level Radioactive Waste Disposal Facility in Ohio?	RER-34
How is Low-Level Radioactive Waste Treated Prior to Disposal?	RER-40
How is Radioactive Waste Transported?	RER-41
What Disposal Methods are Being Considered for Low-Level Radioactive Waste?	RER-42
What are the Low-Level Radioactive Waste Disposal Facility Licensing Requirements?	RER-43
Lessons Learned from Existing Low-Level Radioactive Waste Disposal Facilities	RER-44
How are Low-Level Radioactive Waste Disposal Facilities Monitored?	RER-45
What Materials Can and Cannot Be Placed In a Low-Level Radioactive Waste Disposal Facility?	RER-46
How Can Low-Level Radioactive Waste Be Minimized?	RER-47
What are the Waste Acceptance Criteria for Ohio's Low-Level Radioactive Waste Disposal Facility?	RER-48
Answers to Some Common Questions About the Transportation of Low-Level Radioactive Waste	RER-49
What is Being Done to Reduce the Volume of Low-Level Radioactive Waste?	RER-50
Legislation Governing Disposal of Low-Level Radioactive Waste	RER-60
Low-Level Radioactive Waste Compacts	RER-61
History of the Midwest Interstate Low-Level Radioactive Waste Compact	RER-62
Low-Level Radioactive Waste Disposal: Ohio's Role	RER-63
Selecting a Low-Level Radioactive Waste Disposal Site	RER-64
Requirements for an Environmental Impact Statement	RER-65
Factors that Affect the Cost of Low-Level Radioactive Waste Disposal	RER-66
Community Considerations in Siting a Low-Level Radioactive Waste Disposal Facility.	RER-67
What is Contained in the Midwest Compact Agreement?	RER-68
What is the Ohio Low-Level Radioactive Waste Facility Development Authority?	RER-69
How Can the Public Participate in Decisions by Ohio's Low-Level Radioactive Waste Facility Development Authority?	RER-70
What is an NRC Agreement State?	RER-71

Recycling/Litter Prevention

The following fact sheets, brochures, and guides/directories are available from the Ohio Department of Natural Resources, Division of Recycling and Litter Prevention. Phone: 614-265-6333.
<http://www.dnr.oh.us/odnr/recycling/index.html>

Fact Sheets

Aluminum Recycling
Buy Recycled
Glass Recycling
Ohio Litter Laws
Paper/Paperboard Recycling
Plastics Recycling
Precycle—Reducing Waste
Steel Recycling

Brochures, Guides and Directories

Let Recycling Work for Your Business
Make Ohio A Clean Getaway
Adopt A Waterway
Ohio Buy Recycled Business Alliance

Consumer's Guide to Recycled Products
Office Guide to Recycling and Buying Recycled Products
Coordinator's Guide to Workplace Recycling (PDF*)
Directory of Ohio Vendors of Recycled Products
Directory of Environmental, Government and Recycling Web Sites
Secondary Markets List
InfoCycle: Resource Guide for Recycling Companies (PDF*)
Campus Waste and Recycling Program Audits and Analyses for Ohio Public Universities, September 1999 (PDF*, 543k)
Girl Scout Patch Recycling & Litter Prevention Program
Ohio Recycling Market Development Biennial Plan (PDF*)
Ohio Recycling Market Development Plan-Recommendations and Strategies
Recycled-Content Product Purchasing by the State of Ohio (PDF*)

Solid Waste

Solid Waste Management for a Small Business
Litter Control Packet
Litter Education Camp Packet
Q&A Grass Clippings
Community Yard Waste Composting Handbook

OSU Extension Publication

CDFS-184-94
LICOPA918
LECP918A

COMCOMNRD4

For the following teaching resources, contact the county Extension office or Community Development at 700 Ackerman Road, Suite 235, Columbus, Ohio 43202. Phone: 614-292-8436.

Composting as a Component of an Integrated Solid Waste Management System
Don't Bag It - Lawn Care Plan for Ohio
Hazardous Materials in the Home
Household Hazardous Waste
Integrated Solid Waste Management, Decision Tree

Integrated Solid Waste Management
Landfill Construction in the 90s - A Resource Teaching Guide for Agents
Recycling, a Component Education Program for Agent Use
Reduce, Reuse, Rethink! A Leader's Guide
The Purpose of the Package
Trees for the Holidays: Trees for the City, a Coordination Program for Agents

Fact Sheets: Title	OSU Extension Publication #
Disposal of Household Hazardous Materials	CDFS102
Integrated Solid Waste Management	CDFS106
Reduce and Reuse	CDFS107
Recycling	CDFS108
Composting	CDFS110
Landfill	CDFS111
Community and Household Recycling Efforts	CDFS112
Community Household Hazardous Materials Programs	CDFS113
Consumer's Role in Plastic Recycling	CDFS114
Office Paper Recycling	CDFS115
Rinse/Disposal Pesticide Containers	CDFS116
Recycling Newsprint in Ohio	CDFS121
Safety of Newsprint Bedding	CDFS122
Newsprint Bedding for Horse and Sheep	CDFS123
Comparative Decomposition Rates for Shredded Newsprint, Straw, and Sawdust	CDFS124
Absorbency of Newsprint	CDFS125
Preparing Newsprint for Bedding	CDFS126
Newsprint Bedding for Dairy Cattle	CDFS127
Equipment Modification for Processing Newsprint Bedding	CDFS128
Whole Newspaper Bedding for Livestock	CDFS129
Don't Bag It, Lawn Care Plans	CDFS130
Don't Bag It, Mowers/Mowing	CDFS131
Don't Bag It, Composting at Home	CDFS132
A History of Packaging	CDFS133
Purposes of Packaging	CDFS134
Paper, Packaging and the Waste Stream	CDFS135
10 Myths to Using Newspaper Bedding For Livestock	CDFS136
Controlling the Compost Process: Compost-amended Potting Mixes	CDFS160

Clothing and Textile Recycling

The following are from the Clothing and Textile program and are available through the OSU Extension state FCS office.

Recycling Children's Clothing (transparencies)	CO 202
Your Wardrobe Recycled (transparencies and teaching unit)	CO 203
Recycle Your Clothes (kit)	CO 306
Better Living Series Exhibit	CO 507
Shopping Resale	SE 316
EcoTextiles Exhibit	T 503
Textiles Recycling Kit	T 505

Solid Waste Activities

The resources below are available from the Division of Recycling and Litter Prevention, the Ohio Department of Natural Resources, 1889 Fountain Square Court, Columbus, Ohio 43224-1388. Phone: 614-265-6333. Web: <http://www.dnr.oh.us/odnr/recycling/index.html>

- ***The A-Maze-ing Recycling Adventure***
- ***Windows on Waste (3-7)***
- ***Investigating Solid Waste Issues (7-12)***

Away with Waste: A Waste Management Curriculum for Schools. J. Lingenfelter, ed. (3rd Ed.). Bellevue, WA: Washington State Department of Ecology.

XVIII. Water

Information

Title	OSU Extension Publication #
Ground Water Resources by County	
Allen County Ground-Water Resources	AEX-490.02-97
Auglaize County Ground-Water Resources	AEX-490.06
Belmont County Ground-Water Resources	AEX-490.07
Brown County Ground-Water Resources	AEX-490.08
Butler County Ground-Water Resources	AEX-490.09
Champaign County Ground-Water Resources	AEX-490.11-97
Clark County Ground-Water Resources	AEX-490.12
Clinton County Ground-Water Resources	AEX-490.14
Coshocton County Ground-Water Resources	AEX-490.16
Crawford County Ground-Water Resources	AEX-490.17
Darke County Ground-Water Resources	AEX-490.19
Defiance County Ground-Water Resources	AEX-490.20
Delaware County Ground-Water Resources	AEX-490.21
Fairfield County Ground-Water Resources	AEX-490.23-97
Franklin County Ground-Water Resources	AEX-490.25
Fulton County Ground-Water Resources	AEX-490.26-97
Geauga County Ground-Water Resources	AEX-490.28-97
Greene County Ground-Water Resources	AEX-490.29
Hardin County Ground-Water Resources	AEX-490.33
Highland County Ground-Water Resources	AEX-490.36-97
Knox County Ground-Water Resources	AEX-490.42
Logan County Ground-Water Resources	AEX-490.46
Madison County Ground-Water Resources	AEX-490.49-97
Marion County Ground-Water Resources	AEX-490.51
Mercer County Ground-Water Resources	AEX-490.54
Monroe County Ground-Water Resources	AEX-490.56
Morrow County Ground-Water Resources	AEX-490.59
Muskingum County Ground-Water Resources	AEX-490.60-97
Pickaway County Ground-Water Resources	AEX-490.65
Pike County Ground-Water Resources	AEX-490.66
Richland County Ground-Water Resources	AEX-490.70
Ross County Ground-Water Resources	AEX-490.71-97
Scioto County Ground-Water Resources	AEX-490.77
Seneca County Ground-Water Resources	AEX-490.74-97
Shelby County Ground-Water Resources	AEX-490.75
Stark County Ground-Water Resources	AEX-490.76
Summit County Ground-Water Resources	AEX-490.77
Tuscarawas County Ground-Water Resources	AEX-490.79
Warren County Ground-Water Resources	AEX-490.83
Washington County Ground-Water Resources	AEX-490.84
Wayne County Ground-Water Resources	AEX-490.85
Williams County Ground-Water Resources	AEX-490.86
Wood County Ground-Water Resources	AEX-490.87

Wyandot County Ground-Water Resources
Ground-Water Resources of Carroll,
Harrison and Jefferson Counties

AEX-490.88-97

AEX-490.89

Ground Water Resource Maps

These resource maps are available from the Division of Water, Ohio Department of Natural Resources, 1939 Fountain Square Court, Columbus, Ohio 43224-1385. Phone: 614-265-6717. Web address: <http://www.dnr.oh.us/odnr/water/>

	ODNR Publication #
Ground Water Resources of Franklin County	GWR 1
Ground Water Resources of Columbiana County	GWR 2
Ground Water Resources of Geauga County	GWR 3
Ground Water Resources of Ashtabula County	GWR 5
Ground Water Resources of Ashland County	GWR 6
Ground Water Resources of Cuyahoga County	GWR 7
Ground Water Resources of Delaware County	GWR 8
Ground Water Resources of Holmes County	GWR 9
Ground Water Resources of Lake County	GWR 10
Ground Water Resources of Stark County	GWR 13
Ground Water Resources of Summit County	GWR 14
Ground Water Resources of Trumbull County	GWR 15
Ground Water Resources of Wayne County	GWR 16
Ground Water Resources of Marion County	GWR 17
Ground Water Resources of Richland County	GWR 18
Ground Water Resources of Harrison County	GWR 19
Ground Water Resources of Lorain County	GWR 21
Ground Water Resources of Pickaway County	GWR 22
Ground Water Resources of Sandusky County	GWR 24
Ground Water Resources of Crawford County	GWR 26
Ground Water Resources of Fairfield County	GWR 27
Ground Water Resources of Hancock County	GWR 28
Ground Water Resources of Morrow County	GWR 29
Ground Water Resources of Defiance County	GWR 31
Ground Water Resources of Henry County	GWR 32
Ground Water Resources of Licking County	GWR 33
Ground Water Resources of Mercer County	GWR 34
Ground Water Resources of Seneca County	GWR 35
Ground Water Resources of Van Wert County	GWR 36
Ground Water Resources of Hardin County	GWR 37
Ground Water Resources of Auglaize County	GWR 38
Ground Water Resources of Logan County	GWR 39
Ground Water Resources of Shelby County	GWR 40
Ground Water Resources of Wyandot County	GWR 41
Ground Water Resources of Miami County	GWR 42
Ground Water Resources of Morgan and Washington Counties	GWR 43
Ground Water Resources of Athens and Meigs Counties	GWR 44
Ground Water Resources of Champaign County	GWR 45
Ground Water Resources of Gallia and Lawrence Counties	GWR 46

Ground Water Resources of Jackson and Vinton Counties	GWR 47
Ground Water Resources of Butler County	GWR 48
Ground Water Resources of Clermont County	GWR 49
Ground Water Resources of Erie County	GWR 50
Ground Water Resources of Huron County	GWR 52
Ground Water Resources of Lucas County	GWR 53
Ground Water Resources of Montgomery County	GWR 54
Ground Water Resources of Ottawa County	GWR 55
Ground Water Resources of Paulding County	GWR 56
Ground Water Resources of Preble County	GWR 57
Ground Water Resources of Wood County	GWR 59
Ground Water Resources of Union County	GWR 60
Ground Water Resources of Coshocton County	GWR 61
Ground Water Resources of Adams County	GWR 62
Ground Water Resources of Brown County	GWR 63
Ground Water Resources of Pike County	GWR 64
Ground Water Resources of Scioto County	GWR 65
Ground Water Resources of Tuscarawas County	GWR 66
Ground Water Resources of Fayette County	GWR 67
Ground Water Resources of Jefferson County	GWR 68
Ground Water Resources of Belmont and Guernsey Counties	GWR 69
Ground Water Resources of Carroll County	GWR 70
Ground Water Resources of Fulton County	GWR 71
Ground Water Resources of Greene County	GWR 72
Ground Water Resources of Highland County	GWR 73
Ground Water Resources of Hocking County	GWR 74
Ground Water Resources of Monroe and Noble Counties	GWR 75
Ground Water Resources of Putnam County	GWR 76
Ground Water Resources of Muskingum County	GWR 77
Ground Water Resources of Darke County	GWR 78
Ground Water Resources of Madison County	GWR 79
Ground Water Resources of Clinton County	GWR 80
Ground Water Resources of Williams County	GWR 81
Ground Water Resources of Perry County	GWR 82

Ground Water General

The following are all available from the Division of Water, Ohio Department of Natural Resources, 1939 Fountain Square Court, Columbus, Ohio 43224-1385. Phone: 614-265-6717.

Web: <http://www.dnr.oh.us/odnr/water/>

1996 Ohio Directory of Drilling Contractors	
State Ground Water Resources Map	
Water Efficiency for Private Well Owners	FS 3
Well Abandonment Regulations ODH and Ohio EPA	FS 5
Properly Sealing Unused Wells	FS 6
What Is a Well Screen?	FS 7
Well Log Computerization	FS 8
Evaluating Ground Water Pollution Potential in Ohio	FS 9
Ground Water Resources Mapping in Ohio	FS 10

Well Construction Materials and Techniques	FS 14
Before You Have a Well Drilled	FS 15
How to Read Well Log and Drilling Reports	FS 16

Ground Water Pollution Potential

This series by county is also available from the Division of Water.

Ground Water Pollution Potential of Madison County	GWPP 1
Ground Water Pollution Potential of Lorain County	GWPP 2
Ground Water Pollution Potential of Pickaway County	GWPP 3
Ground Water Pollution Potential of Cuyahoga County	GWPP 4
Ground Water Pollution Potential of Mercer County	GWPP 5
Ground Water Pollution Potential of Stark County	GWPP 6
Ground Water Pollution Potential of Hamilton County	GWPP 7
Ground Water Pollution Potential of Lake County	GWPP 8
Ground Water Pollution Potential of Seneca County	GWPP 9
Ground Water Pollution Potential of Ashtabula County	GWPP 10
Ground Water Pollution Potential of Geauga County	GWPP 12
Ground Water Pollution Potential of Medina County	GWPP 13
Ground Water Pollution Potential of Hancock County	GWPP 14
Ground Water Pollution Potential of Erie County	GWPP 16
Ground Water Pollution Potential of Warren County	GWPP 17
Ground Water Pollution Potential of Sandusky County	GWPP 19
Ground Water Pollution Potential of Ottawa County	GWPP 20
Ground Water Pollution Potential of Ashtabula County	GWPP 21
Ground Water Pollution Potential of Portage County	GWPP 22
Ground Water Pollution Potential of Knox County	GWPP 23
Ground Water Pollution Potential of Ross County	GWPP 24
Ground Water Pollution Potential of Darke County	GWPP 25
Ground Water Pollution Potential of Preble County	GWPP 26
Ground Water Pollution Potential of Montgomery County	GWPP 28
Ground Water Pollution Potential of Greene County	GWPP 30
Ground Water Pollution Potential of Coshocton County	GWPP 32
Ground Water Pollution Potential of Clinton County	GWPP 34
Ground Water Pollution Potential of Columbiana County	GWPP 35
Ground Water Pollution Potential of Logan County	GWPP 36
Ground Water Pollution Potential of Clark County	GWPP 38
Ground Water Pollution Potential of Champaign County	GWPP 39
Ground Water Pollution Potential of Franklin County	GWPP 40

Nonpoint Source Pollution

Assessment of Surface/Ground Water System and Non-Point Source Impacts in a Valley, St. Louisville, Licking County, Ohio	NPSPR 1
Identification of the Hydrologic System and Nonpoint Source Impacts in the Mad River Watershed.	NPSPR 2

Dam Safety

Dam Safety: Lake Drains	FS 26
Dam Safety: Rodent Control	FS 27
Dam Safety: Trees and Brush	FS 28
Dam Safety: Classification	FS 29
Dam Safety: Failures	FS 30
Dam Safety: Seepage	FS 31
Dam Safety: Concrete Repair Techniques	FS 32
Dam Safety: Inspection of Concrete Structures	FS 33
Dam Safety: Construction Permits for Dams	FS 34
Dam Safety: Probable Maximum Flood	FS 37
Dam Safety: Design and Maintenance of Trashracks for Pipe and Riser Spillways	FS 38
Dam Safety: Annual Fee	FS 39

Water Information General:

Water Testing	AEX-314
Where to Have Your Water Tested	AEX-315
Emergency Disinfection of Water Supplies	AEX-317
Shock Chlorination of Wells and Springs	AEX-318
Hydrogen Sulfide in Drinking Water	AEX-319-97
Water Use Planning Guide	AEX-420
Approaches to Solving Water Quality Problems in Community Water Systems	AEX-421-96
Drinking Water Regulations	AEX-423-98
Wastewater Treatment Principles and Regulations	AEX-768
Agricultural Water Table Management Systems	AEX-321-97
An Economic Comparison of Three Manure Handling Systems	AEX-5-99
Background Level of Heavy Metals in Ohio Farm Soils	Research Circular 275
Nitrates in Surface Water	AGF-204
Water Conservation Checklist for the Home	Bulletin 742
Nitrate in Drinking Water	Bulletin 744
Bacteria in Drinking Water	Bulletin 795
Private Water Systems Handbook	MWPS-14
Home Water Treatment	NRAES-48
Nitrogen and the Hydrologic Cycle	AEX-463
Nonpoint Source Pollution: Water Primer	AEX-465
Ohio's Hydrologic Cycle	AEX-461
Ohio Utilities Protection Law	AEX-316
Selecting Forms of Nitrogen Fertilizer	AGF-205
Soil Sampling for Established No-Till Fields	AGF-206
Surface and Ground Water Terminology	AEX-460
Surface Water Quality Best Management Practices Summary Guide	AEX-464
Vegetative Filter Strips: Application, Installation and Maintenance	AEX-467
Using Geotextile Fabric in Livestock Operations	AEX-304-97
Trickle Irrigation in the Eastern United States	NRAES-4

Understanding Agricultural Drainage	AEX-320-97
Ohio's Drainage Laws - An Overview	Bulletin 822
Agricultural Drainage– Water Quality Impacts and Subsurface Drainage Studies in the Midwest	Bulletin 871-98
The Economics of Vegetative Filter Strips	AEX-6-99
Agricultural Water Table Management Systems	AEX-321-97
Water Quality for Floriculture Crops	HYG-1249-96
WPS Information Worksheet for Floriculture Growers	HYG-1250-96
Physical Characteristics of Growing Mixes	HYG-1251-97
Water and Nutrient Management for Greenhouses	NRAES-56

ODNR Publication #

Water Efficiency at Home	FS 1
Water Efficiency in Your Own Back yard	FS 2
The Ohio Canal System	FS 4
Precipitation in Ohio	FS 11
Floods and Flood Damage Prevention	FS 12
Facts About Flood Insurance	FS 13
The Hydrologic Cycle	FS 18
Services of the Ground Water Resources Section	FS 17
Dry Driven Grout Method	FS 19
Ground Water Level Monitoring in Ohio	FS 20
When Does a Well Log Need to be Filed?	FS 23
What's Ground Water?	FS 24
Low Yielding Wells	FS 35
How to Obtain Flood Maps	FS 21
Community Water Supply Planning in Ohio	FS 22
Ohio's Conservancy Districts	FS 25
Post-Disaster Floodplain Management	FS 40
Principal Streams and Their Drainage Areas	
Water Rights–An Overview of Ohio Water Withdrawal Law, 2 nd Edition	
Water Conservation Works!	
Northwest Ohio Water Plan Public Water Supply Update	WPR 7
Northeast Ohio Water Plan public Water Supply Update	WPR 8.
Inventory of Ohio's Lakes	WIR 26
Hydrologic Atlas for Ohio, Average Annual Precipitation, Temperature, Streamflow, and Water Loss for the 50 Year Period 1931-1980	WIR 28

Surface and Ground Water Resources by County

From OSU Extension:

Water Resources of Allen County	AEX-480.02
Water Resources of Ashland County	AEX-480.03-98
Water Resources of Athens County	AEX-480.05-97
Water Resources of Auglaize County	AEX-480.06
Belmont County Water Resources	AEX-480.07
Water Resources of Brown County	AEX-480.08
Butler County Water Resources	AEX-480.09
Water Resources of Champaign County	AEX-480.11

OSU Extension Publication #

Clark County Water Resources	AEX-480.12
Water Resources of Clermont County	AEX-480.13-97
Clinton County Water Resources	AEX-480.14
Water Resources of Columbiana County	AEX-480.15-97
Water Resources of Coshocton County	AEX-480.16
Crawford County Water Resources	AEX-480.17
Water Resources of Darke County	AEX-480.19
Defiance County Water Resources	AEX-480.20
Delaware County Water Resources	AEX-480.21
Water Resources of Fairfield County	AEX-480.23
Water Resources of Fayette County	AEX-480.24-98
Water Resources of Franklin County	AEX-480.25
Water Resources of Fulton County	AEX-480.26
Water Resources of Geauga County	AEX-480.28
Greene County Water Resources	AEX-480.29
Water Resources of Guernsey County	AEX-480.30-98
Hancock County Water Resources	AEX-480.32
Hardin County Water Resources	AEX-480.33
Water Resources of Highland County	AEX-480.36
Water Resources of Huron County	AEX-480.39-98
Water Resources of Jackson County	AEX-480.40-98
Knox County Water Resources	AEX-480.42
Water Resources of Lawrence County	AEX-480.44-97
Water Resources of Licking County	AEX-480.45-97
Logan County Water Resources	AEX-480.46
Water Resources of Lucas County	AEX-480.48-97
Water Resources of Madison County	AEX-480.49
Water Resources of Mahoning County	AEX-480.50-97
Marion County Water Resources	AEX-480.51
Water Resources of Mercer County	AEX-480.54
Monroe County Water Resources	AEX-480.56
Water Resources of Montgomery County	AEX-480.57-98
Water Resources of Morrow County	AEX-480.59
Water Resources of Muskingum County	AEX-480.60
Water Resources of Ottawa County	AEX-480.62-98
Water Resources of Paulding County	AEX-480.63-97
Pickaway County Water Resources	AEX-480.65
Pike County Water Resources	AEX-480.66
Water Resources of Portage County	AEX-480.67-98
Putnam County Water Resources	AEX-480.69
Richland County Water Resources	AEX-480.70
Water Resources of Ross County	AEX-480.71
Sandusky County Water Resources	AEX-480.72
Scioto County Water Resources	AEX-480.73
Water Resources of Seneca County	AEX-480.74
Shelby County Water Resources	AEX-480.75
Stark County Water Resources	AEX-480.76
Summit County Water Resources	AEX-480.77
Water Resources of Tuscarawas County	AEX-480.79

Union County Water Resources	AEX-480.80
Water Resources of Van Wert County	AEX-480.81-97
Warren County Water Resources	AEX-480.83
Washington County Water Resources	AEX-480.84
Wayne County Water Resources	AEX-480.85
Williams County Water Resources	AEX-480.86
Wood County Water Resources	AEX-480.87
Water Resources of Wyandot County	AEX-480.88
Water Resources of Carroll, Harrison and Jefferson Counties	AEX-480.89

Water Quality:

	OSU Extension Publication #
Ohio's Drainage Laws, an Overview	Bulletin 822-91
Private Drinking Water Supplies: Quality, Testing & Options for Problem Waters (NE Regional Agr.Engineer. Service)	NRAES-47
Avoid Stream Pollution	ASPAMAEX708
Bacteria in Drinking Water	BIDW795
Ohio's Drainage Laws	OHDRALA822
Best Management Practices	BEMAPR818
Agriculture Drainage	Bulletin 871
Protecting Groundwater: A Manual for Instructors	Bulletin 790
Bacteria in Drinking Water	Bulletin 795
Protecting Our Groundwater: A Grower's Guide	ENTO3
Mound Systems: Pressure Distribution of Wastewater (Design and Construction in Ohio)	Bulletin 829
Mound Systems for On-Site Wastewater Treatment	Bulletin 813
Nitrates in Drinking Water	Bulletin 744
Nonpoint Source Assessment: User's Guide to Ohio's Surface Waters	Bulletin 873-98
Ohio's Drainage Laws	Bulletin 822
Reuse of Reclaimed Wastewater through Irrigation for Ohio Communities	Bulletin 860
Sand Bioreactors for Wastewater Treatment	Bulletin 876-99
Septic Tank Maintenance	AEX-740-98
Why Do Septic Systems Fail?	AEX-741-98
Soil Evaluation for Home Septic Systems	AEX-742
Septic Tank-Soil Absorption Systems	AEX-743
Septic Tank - Mound System	AEX-744
Wastewater Treatment Principles and Regulations	AEX-768
Wastewater Treatment Principles and Regulations	AEX-768
Onsite Domestic Sewage Disposal Handbook	MWPS-24
Septage Management in Ohio	Bulletin 854
Water Quality Project Evaluation	Bulletin 868-98
Water Testing	AEX-314
Water Testing Laboratories - Approved Ohio Department of Health/Ohio Environmental Protection Agency	AEX-315
Nitrate in Drinking Water (Slide set)	ST1

Water Testing (Slide set)	ST2
Bacteria in Drinking Water	ST3
Your Drinking Water - Is it Safe? (Video-tape)	VT15
Surface Water Quality Best Management Practice Summary Guide	AE-1-97
Environmental Quality Incentive Program	AE-2-97
Incentive Programs for Improving Environmental Quality	AE-1-97

Water Activities

Project WET (Water Education for Teachers).

(1995). Contact: Division of Water, Ohio Department of Natural Resources, 1939 Fountain Square Court, Building E-3, Columbus, Ohio 43224-1385. Phone: 614-265-6610. <http://www.dnr.oh.us/odnr/water/educate/owep/owepwet.html>

Educating Young People about Water.

(1995). E. Andrews, et al. Sponsored by U.S. Dept. of Agriculture, Cooperative Extension Water Quality Initiative Team. Columbus, OH: ERIC Clearinghouse for Science, Mathematics and Environmental Education.

Give Water a Hand (Leader Guide and Action Guide).

(1996). Board of Regents University of Wisconsin System. Madison, WI: University of Wisconsin Cooperative Extension, Environmental Resources Center.

Beans about Water: Its Properties and Other States of Matter.

(1996). R.L. Horton, B. Neumann, C. Dandereau, S. Tiffney, & K. Stimpert. Columbus, OH: Ohio State University Extension.

SPLASH₂O: A Science-based Program for Learning about Society and Water.

(1996). R.L. Horton, S. Erwin, P. Carroll, B. Neumann, & J.L. Alloy. Columbus, OH: Ohio State University Extension.

Field Manual for Water Quality Monitoring.

(1986). M.K. Mitchell and W.B. Stapp. (2nd ed.). Dexter, MI: thomson-Shore, Inc.

Streamkeeper's Field Guide.

(1996). T. Murdoch and M. Cheo. Everett, WA: The Adopt-A-Stream Foundation.

Rivers Curriculum Guide. Rivers Curriculum Project, Southern Illinois University. Palo Alto, CA: Dale Seymour.

- Biology (1998)
- Earth Science (1998)
- Chemistry (1997)
- Geography (1997)
- Mathematics (1998)

Environmental Education Compendium for Water Resources.

(1992). W.J. Rohwedder, L. Tourtillott & J. Wheatley. Sonoma, CA: Sonoma State University.

Aquatic Project WILD.

Western Regional Environmental Education Council. (1987). Bethesda, MD: Project WILD. Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Drive, G-1, Columbus, Ohio 43224-1300.

A Child's Place in the Environment. California Department of Education. Sacramento, CA. "Unit 4: Caring for Aquatic Systems."

Activities Integrating Mathematics and Science.

AIMS Education Foundation. Fresno, CA.

- Water, Precious Water

XIX. Wildlife Information

The following brochures and maps on different aspects of wildlife are available from the Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Drive, G-1, Columbus, Ohio 43224-1329. Phone: 614-265-6300. <http://www.dnr.oh.us/odnr/wildlife/>

Animal Orphans? No!
Animal Resources-Conservation Concepts
Backyards for Butterflies
Boating Suggestions to Avoid Lake Erie Fish Nets
Conservation Club Projects
Crane Creek Wildlife Research Station
Delaware Wildlife Area Ponds

District One Map
District Two Map
District Three Map
District Four Map
District Five Map

Division of Wildlife Endangered Species & Wildlife Diversity Program, Ohio

Endangered Wild Animals
Ohio's Facilities Along Western Lake Erie
Field Trials for Sporting Dogs
Fish and Wildlife Restoration in Ohio
Give us a TIP, Turn in a Poacher
Hebron Fish Hatchery
Kincaid Fish Hatchery
Leaving a Wild Legacy
Let Us-Help You-Help Wildlife
License Sales by County-Hunting & Fishing
Live-trapping Wild Animals in Villages or Cities
London Fish Hatchery
Magee Marsh Wildlife Area, Cradle of Wildlife
Olentangy Wildlife Research Station
Planning a Career in the Field of Fish & Wildlife
Plans for Sighting Bar
Prairie Plants of Killdeer Plains
Protection of Wild Animals in Ohio
Public Hunting & Fishing Areas
Put-in-Bay Fish Hatchery
Scientific Collector's Guide

Shooting Preserve Requirements
Tree & Shrub Planting Guide
Uninvited House Guests
Waterloo Wildlife Research Station
Wildlife Districts

Diseases and Parasites in Wildlife

Rabies in Ohio Wildlife
Tularemia-Rabbit Fever in Ohio
Warbles in Ohio Squirrels
Warts, Warbles, Tapeworms in Ohio Cottontail Rabbits

Law/Regulations

Aquaculture Law Digest
Commercial Fishing Law Digest
Hunting With Permission
Laws: Game Propagation, Keeping, Killing & Selling
Laws: Scientific Collecting
Proposed Regulations, Fish & Game Hearings
Regulations Governing the Use of Setlines, Banklines, Trotline and Dip Net
Regulations for Lake Erie Fishing District

Mammals

Beaver in Ohio
Eastern Cottontail Rabbit in Ohio
Eastern Fox Squirrel in Ohio
Eastern Gray Squirrel in Ohio
Gray Fox in Ohio
Long-tailed Weasel in Ohio
Mink in Ohio
Muskrat in Ohio
Opposum in Ohio
Raccoon in Ohio
Red Fox in Ohio
Striped Skunk in Ohio
White-tailed Deer in Ohio
Woodchuck in Ohio

Wildlife Management and Hunting

Cottontail Rabbit Management in Ohio
Deer Control
Deer Season Results

Field Dressing Deer under “Hunting Information”
Section
Fur Harvest in Ohio
Hunter Casualty Report, Ohio
Hunting Doves in Ohio under “Hunting
Information” Section
Pheasant Care
Pheasant Rearing Handbook
Ring-necked Pheasant Management in Ohio
Role of Trapping in Wildlife Conservation in Ohio
Ruffed Grouse Management in Ohio
Squirrel Den Boxes

Squirrel Management in Ohio
Trapping Tips
Turkey Season Results
Urban Deer Zone Map
What Every Turkey Hunter Should Know
Wildlife Food Patch Seed Mixture
Wildlife Habitat Planting Stock Sources
Wildlife Habitat Practices for Set-aside Acres
Wildlife Identification Quiz
Wood Duck Nest Box; Canada Goose Nesting Tub

Wildlife Activities

Project WILD and Aquatic Project WILD.

Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Dr. G-1, Columbus, OH 43224-1300. Phone: 614-265-6300. <http://www.dnr.oh.us/odnr/wildlife/>

Hooked on Fishing, Not on Drugs. Contact Division of Wildlife, Ohio Department of Natural Resources, 1840 Belcher Dr. G-1, Columbus, OH 43224-1300. Phone: 614-265-6300. <http://www.dnr.oh.us/odnr/wildlife/>

Project Learning Tree. (1993). Contact Division of Forestry, Ohio Department of Natural Resources, 1855 Fountain Square Court, Building H-1, Columbus, Ohio 43224-1383. Phone: 614-265-6694. <http://www.hcs.ohio-state.edu/education/infoplt.htm>

A Child's Place in the Environment. California Department of Education. Sacramento, CA.

- Unit 1: Respecting living things

Naturescope. National Wildlife Federation. Washington, DC.

- Amazing Animals I
- Amazing Animals II

Activities Integrating Mathematics and Science. AIMS Education Foundation. Fresno, CA.

- Critters

Great Explorations in Math and Science (GEMS). Lawrence Hall of Science. Berkeley, CA: University of California.

- Animal Defenses
- Animals in Action
- Mapping Animal Movements