



# FRESHWATER WETLAND RESTORATION

Rhode Island Department of Environmental Management



## WETLAND RESTORATION RESOURCES

### GENERAL INFORMATION – WETLANDS

**Freshwater Wetland Information.** Rhode Island Department of Environmental Management.

- *This site provides information about what makes a freshwater wetland and types of wetlands when you click on the links in the illustration.*

- ▶ Available at: <http://www.dem.ri.gov/programs/benviron/water/wetlands/index.htm>

**Selected Wetlands References.** 2007. Rhode Island Department of Environmental Management.

- *A list of several books and resources about wetlands.*

- ▶ Available at: <http://www.dem.ri.gov/programs/benviron/water/wetlands/pdfs/wetrefs.pdf>

**Wetland Functions and Values.** Rhode Island Department of Environmental Management.

- *This brochure highlights many of the key wetland functions and values.*

- ▶ Available at: <http://www.dem.ri.gov/programs/benviron/water/wetlands/pdfs/wetvalue.pdf>

**Wetlands Landowner Assistance & Stewardship.** U.S. Environmental Protection Agency.

- *EPA's online list of landowner assistance and stewardship programs.*

- ▶ Available at: <http://www.epa.gov/OWOW/wetlands/landasst.html>

### GENERAL INFORMATION – RESTORATION

**Common Questions: Wetland Restoration, Creation, and Enhancement.** 2006. Kusler, J. Association of State Wetland Managers, Inc. 17 pp.

- *A guide that addresses frequently asked questions with regard to wetland restoration, creation, and enhancement. It is designed for use by local government officials, land trusts and watershed councils, landowners, and others interested in the restoration, creation, or enhancement of wetlands.*

- ▶ Available at: [http://www.aswm.org/propub/20\\_restoration\\_6\\_26\\_06.pdf](http://www.aswm.org/propub/20_restoration_6_26_06.pdf)

**Rhode Island Habitat Restoration Portal.** Rhode Island Habitat Restoration Team.

- *This site provides data and information about habitat restoration in Rhode Island to the public, federal and state agencies, and nonprofit groups.*

- ▶ Available at: <http://www.edc.uri.edu/restoration/index.htm>

**River Corridor and Wetland Restoration.** U.S. Environmental Protection Agency.

- *EPA's online restoration information with links describing restoration, benefits, projects, funding, and other resources.*

- ▶ Available at: <http://www.epa.gov/owow/wetlands/restore/>

**Wetland Restoration Techniques.** 1999. Michigan Department of Natural Resources. 4 pp.

[Excerpt from Part IV of: Managing Michigan Wildlife: A Landowners Guide. M.S. Sargent and K.S. Carter, ed. 1999. Michigan United Conservation Clubs, East Lansing, MI. 297pp.]

- *This chapter explains techniques that landowners can use to restore wetlands in their community.*

- ▶ Available at: [http://www.dnr.state.mi.us/publications/pdfs/huntingwildlifehabitat/land\\_owners\\_guide/Habitat\\_Mgmt/Wetland/Wetland\\_Restoration\\_Techniques.htm](http://www.dnr.state.mi.us/publications/pdfs/huntingwildlifehabitat/land_owners_guide/Habitat_Mgmt/Wetland/Wetland_Restoration_Techniques.htm)

**Wetlands Restoration Guidebook.** Maryland Department of the Environment. 9 pp.

- *This reference manual is a guide to help educators and other members of the public to begin the process of wetlands restoration. The short guidebook covers issues such as locating an appropriate site and finding funding sources. In addition, it provides information and contacts for obtaining assistance for your project. This manual describes the wetlands restoration process in a step-by-step approach and includes answers to common questions.*

- ▶ Available at: <http://www.mde.state.md.us/assets/document/wetlandswaterways/restore.pdf>

## **PLANT RESOURCES**

**Native Plant Nurseries.** Rhode Island Wild Plant Society.

- *An online list of local nurseries that sell native plants.*

- ▶ Available at: <http://www.riwps.org/nativeplantnurseries.htm>

**Native Plants – Purchasing.** New England Wildflower Society.

- *The New England Wildflower Society carries many species of native plants for purchase.*

- ▶ Information available at: <http://www.newfs.org/grow/buy-native-plants>

**PLANTS Database.** United States Department of Agriculture, Natural Resources Conservation Service.

- *The PLANTS Database provides standardized information, includes distribution maps, search by state or species, and much more.*

- ▶ Available at: <http://plants.usda.gov/>

**Plant Inventories.** Rhode Island Wild Plant Society.

- *If you are looking for someone to visit your property to inventory or identify plants, contact the RI Wild Plant Society and they can coordinate a site visit for a minimal fee.*

- ▶ Information available at: <http://www.riwps.org/plantinventories.htm>

**Sustainable Trees and Shrubs,** 3<sup>rd</sup> edition. 1999. Maynard, B., R. A. Casagrande, M. Gold, S. Livingston, and S. H. Gordon. University of Rhode Island Cooperative Extension.

- *Contains a list of sustainable plants, including drawings and comprehensive indices.*

- ▶ Available at: <http://www.uri.edu/ce/factsheets/sheets/sustplant.html>

## **INVASIVE PLANT RESOURCES**

**Invasive Plant Atlas of New England (IPANE).** 2003. Mehrhoff, L. J., J. A. Silander, Jr., S. A. Leicht, E. S. Mosher and N. M. Tabak. Department of Ecology & Evolutionary Biology, University of Connecticut.

- *Great source of information; search by species available.*

- ▶ Available at: <http://nbii-nin.ciesin.columbia.edu/ipane/index.htm>

**Invasive Plant Management Guide.** 2001. Mervosh, T., L. Benoit, D. Ellis, A. Johnson, B. Robinson, K. Saltonstall. Connecticut Invasive Plant Working Group.

- *Provides species specific descriptions and management options.*

- ▶ Available at: [http://www.hort.uconn.edu/cipwg/art\\_pubs/GUIDE/guideframe.htm](http://www.hort.uconn.edu/cipwg/art_pubs/GUIDE/guideframe.htm)

**Native Plant Alternatives to Invasive Plants.** 2005. The United States National Arboretum.

- *Provides several alternative native plants for specific invasive plants.*

▶ Available at: <http://www.usna.usda.gov/Gardens/faqs/InvasivesAlternatives.html>

**Rhode Island Invasive Species Portal.** Rhode Island Natural History Survey.

- *Provides a list of plants that have been assessed and categorized by the Rhode Island Invasive Species Council, in addition to other resources.*

▶ Available at: <http://www.rinhs.org/what-we-do/invasives/>

## **DETAILED RESTORATION GUIDES**

**Adopt-A-Buffer Toolkit: Monitoring and Maintaining Restoration Projects.** 2003. Delaware Riverkeeper Network. 142 pp.

- *This Toolkit will assist restoration practitioners and volunteer monitors with a suite of monitoring protocols used to assess a variety of restoration projects. The Monitoring Techniques included in the Toolkit are designed to give volunteers, with minimal training and equipment, information for effective management and oversight of a project. The section on Restoration Project Maintenance provides information on common maintenance activities that can be used to help guide follow-up work at a project site.*

▶ Available at: <http://www.delawariverkeeper.org/pdf/Toolkit-Final.pdf>

**An Introduction and User's Guide to Wetland Restoration, Creation, and Enhancement.** 2003.

Interagency Workgroup on Wetland Restoration. 92 pp.

- *A guide for the public containing: background on wetlands and restoration; information on project planning, implementation, and monitoring; and a list of resources, contacts, and funding sources.*

▶ Available at: <http://www.nmfs.noaa.gov/habitat/habitatconservation/publications/introfinal.pdf>

**Wetland Restoration Handbook for Wisconsin Landowners.** Second Edition. Alice L. Thompson and Charles S. Luthin. 2004. Wisconsin Wetlands Association. Wisconsin Department of Natural Resources. 165 pp.

- *This handbook contains general guidance for landowners interested in improving the health of their wetlands. It discusses conservation, management, and restoration techniques that will improve drained, ditched, or otherwise degraded wetlands, and provides a range of activities that can greatly improve the values and functions of our wetland resources.*

▶ Available at: <http://dnr.wi.gov/wetlands/handbook.html>

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