

Storm Water Control Resources

Be Stormwater Savvy, Michigan Department of Environmental Quality

http://www.michigan.gov/deq/0,4561,7-135-3313_51002_3682_3714-106374--,00.html

A toolkit for designing and implementing a stormwater public information campaign. Includes Step by Step Guide and booklet on working with the media. A catalogue contains samples of selected stormwater-related materials: activities for kids, brochures and factsheets, giveaways, radio and print ads, and information on how to use them. You may request a CD-ROM with PDF files of most written materials, recorded radio pieces and available t.v. ad. Most materials can be used as is or with your logo, etc. added.

Check Your Success: A Guide to Developing Indicators for Community Based Environmental Projects, Department of Urban Affairs and Planning, Virginia Tech

(This document does not appear to be available online any longer.)

A manual designed for use by organizations and groups of all sizes that are working on environmental protection at a community or watershed level. It will assist members of the group to develop indicators that measure their success.

Filling the Gaps: Environmental Protection Options for Local Governments, Michigan Department of Environmental Quality

<http://cdm16110.contentdm.oclc.org/cdm/ref/collection/p9006coll4/id/86793>

Describes federal, MI State, and local roles in environmental protection. Identifies gaps in existing natural resource, and environmental protection policy and explains opportunities for local regulation. Provides information about planning and zoning tools related to resource management and protection. Includes numerous example ordinances.

Great Lakes Better Backroads Guidebook: Clean Water by Design,

Huron Pines Resource Conservation & Development Area Council, Inc.

http://www.northeastmichiganwatersheds.org/downloads/great_lakes_better_backroads_guidebook.pdf

Cost effective techniques for the design and maintenance of non-paved back roads to control erosion and reduce sediment and other pollutants from entering surface waters.

Hydrologic Impacts Due to Development: The Need for Adequate Runoff Detention and Stream Protection, Michigan Department of Environmental Quality

http://www.michigan.gov/deq/0,1607,7-135-3313_3682_3714-57034--,00.html

Identifies stream impacts caused by urbanization, along with best management practices addressing water quality, stream channel protection, and flood control. Discusses channel-forming flows. Includes case studies and examples.

International Stormwater Best Management Practice (BMP) Database, several sponsors, including the U.S. Environmental Protection Agency
<http://www.bmpdatabase.org/>

The purpose of the site is to provide scientifically sound information to improve the design, selection, and performance of BMPs. Includes technical documents, software and a database developed over the past decade.

Landscaping for Water Quality, Center for Environmental Study and Michigan Department of Environmental Quality
http://www.michigan.gov/deq/0,1607,7-135-3313_3682_3714-106374--,00.html

How-to instructions for landscaping in a manner that enhances and protects water quality. Includes information on the importance of landscaping for water quality, as well as planning, design, and installation guidance. Provides example garden lay-outs, plant lists, and potential sources for nursery plants.

Low Impact Development Center
<https://lowimpactdevelopment.org/>

A non-profit organization dedicated to the advancement of Low Impact Development technology.

National Menu of Best Management Practices for Stormwater Phase II, U.S. Environmental Protection Agency <http://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>

Intended to provide guidance to regulated small MS4s as to the types of practices they could use to develop and implement their storm water management programs.

Michigan's Water Quality Standards. Part 4 Rules, R 323.1041 - 323.1117, Michigan Department of Environmental Quality
http://www.michigan.gov/deq/0,1607,7-135-3313_3682-14902--,00.html Scroll down to "Water" and then further to "Part 4, Water Quality Standards."

Model Ordinances to Protect Local Resources, U.S. Environmental Protection Agency
<https://www.epa.gov/nps/urban-runoff-model-ordinances-prevent-and-control-nonpoint-source-pollution>

A compilation of model ordinances related to storm water and natural resources.

Nonpoint Source News-Notes, U.S. Environmental Protection Agency
<https://www.epa.gov/nps/nonpoint-source-news-notes>

A periodic report on the Condition of the Water-Related Environment, The Control of Nonpoint Sources of Water Pollution, and the Ecological Management and Restoration of Watersheds. #75, May 2005, has article on economics of Low Impact Development.

Opportunities for Water Resource Protection in Local Plans, Ordinances, and Programs, Southeast Michigan Council of Governments (SEMCOG)

<http://semcog.org/publications>

Provides tools for planning and design that consider water quality protection and restoration. Designed to assist local governments with making the appropriate linkages between plans and ordinances. Special notations throughout the document describe relationships to Phase II Storm Water requirements.

Protecting Water Resources with Smart Growth, U.S. Environmental Protection Agency

<https://www.epa.gov/smartgrowth/protecting-water-resources-smart-growth>

Describes use of smart growth at the regional level to minimize impacts to water from new development. Includes site-level techniques used by local governments to prevent, treat, and store storm water runoff on site. Highlights examples throughout the U.S.

The Practice of Watershed Protection, Center for Watershed Protection

<http://www.stormwatercenter.net/> (excerpts available for download)

A compilation of articles from *Watershed Protection Techniques*. Presents what the Center knows about both the science and management of small watersheds.

Protecting Water Quality in Urban Areas— A Manual, Minnesota Pollution Control Agency

<https://www.pca.state.mn.us/sites/default/files/swm-coverpg.pdf>

Designed to help local government officials, urban planners, developers, contractors and citizens prevent storm water-related pollution. The manual includes a chapter on models and modeling.

Smart Growth for Clean Water: Innovative Strategies for NPDES Phase II Stormwater Management in Michigan, Michigan Environmental Council
(The link provided was broken and has been removed.)

Discusses Michigan-specific solutions for storm water management that may be shared among communities. Provides information for smaller municipalities on how to meet State and Federal regulations using cost-effective solutions for water quality problems stemming from storm water runoff. Focuses on the relationship between land use and storm water runoff.

Spillage of Oil and Pollution Materials. Part 5 Rules, R 324.2001 - 324.2009, Michigan Department of Environmental Quality

http://www.michigan.gov/deq/0,1607,7-135-3313_3682-14902--,00.html Scroll down to “Land” and then further to “Part 5, Spillage of Oil and Polluting Materials.”

The Rules provide requirements for storage and spill containment for oil, salt, and chemicals that a municipal operation may store and handle.