M&G

Managing Maryland's Growth

Annotated Web Links for WRE Data Sources

M&G #26 Supplement

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MODELS AND GUIDELINES

Water

http://www.mde.state.md.us/Water/index.asp

This site provides information on the Bay Restoration Fund, TMDLs, Water and Wastewater management and many other topics of interest. Numerous other links to other sites and documents that provide further guidance information can be found here.

http://www.dsd.state.md.us/comar/26/26.08.02.04-1.htm

This link provides information on the Anit-degradation Law and a list of Tier II waters.

http://www.mde.state.md.us/Water/water_publications/index.asp

This site is the home page for all water related documents. There are links here to explain TMDLs, the Bay Restoration Fund program, the Water Supply and Water Quality programs and other related subject matter often contained in the County Water and Sewer Master Plans.

http://www.mde.state.md.us/assets/document/water/WaterSupplyCapacityPlansGuidance.pdf

This link is to the Water Supply Capacity Plan information. This document provides the information and guidance to prepare a water supply analysis within any given planning area.

http://www.dnr.state.md.us/bays.html

This site is the homepage for DNR's watershed planning information. This site will lead you to specific watersheds and water quality details.

http://www.dnr.state.md.us/criticalarea/

This link is for the Critical Area Commission homepage. It provides a broad overview of information on the Bay and its streams and waterways.

http://www.mdp.state.md.us/order_publications.htm

This site provides the links to the MDP publication list for the most recent Municipal Growth Element and Water Resource Element Documents, among many others.

http://www.epa.gov/OGWDW/smallsys/pdfs/guide_smallsystems_stratplan.pdf

Guide for developing a strategic plan for smaller public and community water systems.

http://www.mde.state.md.us/assets/document/watersupply/ReporttoGovCapacityDevSep2005.pdf

This document provides summary information on the Maryland Water Supply Program administered by MDE.

http://www.mde.state.md.us/assets/document/water_cons/WCP_Guidance2003.pdf

This document provides guidance for public drinking water systems in conducting a water audit, developing a water conservation plan and implementing best management practices for water conservation.

Wastewater

http://www.mde.state.md.us/Water/CBWRF/pop_up/enr_status_map.asp

This site displays the current ENR status map for the major WWTP's.

http://www.mde.state.md.us/Water/water_publications/index.asp

This site provides information on the Bay Restoration Fund, TMDLs, Water and Wastewater management and many other topics of interest. There are also numerous links to other sites and documents that provide further guidance information.

http://www.mde.state.md.us/assets/document/water/WastewaterCapacityMgmtGuidance.pdf

This is the Wastewater Capacity Management Guidance document. This document is a must read for determining the point source load information.

http://www.mdp.state.md.us/order_publications.htm

This site lists the many MDP documents, specifically the Water Resources Element and the Municipal Growth Element Models and Guidelines.

http://www.dnr.state.md.us/bay/tribstrat/implementation_plan/point_source.pdf

This document outlines ENR upgrade schedule and MDE action plans for TMDL implementation.

Stormwater

http://dnrweb.dnr.state.md.us/watersheds/surf/bmp/

This site is a tracking locator to Best Management Practices (BMPs) in Maryland by watershed.

http://www.mde.state.md.us/Programs/WaterPrograms/SedimentandStormwater/index.asp

This site provides the basic information on Maryland's Stormwater Program and Stormwater Design Manual.

http://www.dnr.state.md.us/criticalarea/guidancepubs/10percent_rule.html

The Criteria set forth in conjunction with the Critical Area Act require that any development or redevelopment within the IDA be accompanied by practices to reduce water quality impacts associated with stormwater runoff. The Criteria further specify that these practices must be capable of reducing stormwater pollutant loads from a development site to a level at least 10% below the load generated by the same site prior to development. This requirement is commonly referred to as the "10% Rule."

Water Resources Element

http://www.mdp.state.md.us/order_publications.htm

26-The Water Resources Element:Planning for Water Supply and Wastewater and Stormwater Management

This Models & Guidelines document, The Water Resources Element: Planning for Water Supply and Wastewater and Stormwater Management, has been produced to provide

counties and municipalities guidance in writing their water resources element to comprehensive plans. In addition to guidelines, this document includes a model water

resources element which contains all of the components of a completed WRE that could be adopted.

Municipal Growth Element

http://www.mdp.state.md.us/order_publications.htm

25 - Writing the Municipal Growth Element to the Comprehensive Plan

Managing Maryland's Growth: Writing the Municipal Growth Element is the 25th publication in the Models and Guidelines series developed by the Maryland Department of Planning (MDP) to provide technical assistance to local governments. This publication will assist those who are preparing the municipal growth element that House Bill (HB 1141) requires in all municipal comprehensive plans by October 1, 2009.

Population and Housing data

http://www.mdp.state.md.us/msdc

This is the home page for the Maryland State Data Center and numerous tables on Census data. It provides the links to the population and housing data to perform a development capacity analysis.

http://www.mdp.state.md.us/pdf/Pamphlet.pdf

This pamphlet provides information of the Census View 2000 information that is used in tandem with MD Property View software. This is a primer for demographic analyses. Provides many links to other related information, ie. PFA maps, and ordering information for census data and programs.

Related Information and Model Sites

http://www.dnr.state.md.us/watersheds/pubs/userguide.html

This is the User's Guide to Watershed Planning in Maryland. Chapter 4 is an excellent primer for preparing a MGE and WRE on a watershed level.

This document, written by the Center for Watershed Protection for Maryland Department of Natural Resources, presents a common watershed planning framework for Maryland communities, assembles planning resources into one place, integrates regulatory drivers, and presents the methods necessary for completing a local watershed plan. Local government staff are the primary audience for this guide.

The document includes methods for forecasting future impervious cover and pollutant loads, and provides guidance on setting water resource goals.

http://www.mdp.state.md.us/smgprinciples.htm

This is the list of the 10 Smart Growth Principles

http://dsf.chesco.org/water/

This is the link to Chester County, PA and the Landscape and Watersheds documents that provide an excellent example of watershed planning.

http://www.geog.umd.edu/resac/

This is an excellent source of information on subjects from impervious surface impacts to mapping and modeling. A good source of further links also.

http://www.cwp.org/tools_assessment.htm

The Watershed Vulnerability Analysis (document in .pdf format) provides guidance on delineating subwatersheds, estimating current and future impervious cover, and identifying factors that would alter the initial classification of individual subwatersheds. This technical release outlines a basic eight-step process for creating a rapid watershed plan for either a large watershed or jurisdiction.

http://www.cwp.org/PublicationStore/TechResearch.htm

This spreadsheet tool, developed by the Center for Watershed Protection, is a simple tool for the rapid assessment and quantification of various treatment options. The Pollutant Sources component of the WTM estimates the load from a watershed without treatment measures in place. The Treatment Options component estimates the reduction in this uncontrolled load from a wide suite of treatment measures. The WTM also uses a simple methodology to predict future pollutant loads and to account for control measures.

The model incorporates many simplifying assumptions that allow the watershed manager to assess various programs and sources that are not typically tracked in more complex models. In its current version, the WTM is able to track sediment, nutrients, and bacteria. However, the model currently does not account for agricultural treatment practices or crop types (although an update is planned).

http://cfpub.epa.gov/safewater/sourcewater/

This website provides an overview of source water protection as well as specific recommendations to help local governments protect their water sources and links to other source water protection websites.

http://md.water.usgs.gov/

The U.S. Geological Survey's MD-DE-DC Water Science Center website provides water use data, ground water and stream flow statistics, and includes links to many publications addressing water-related issues in Maryland.

http://www.umces.edu/wreworkshops/

This link provides the outline and WRE Workshop meeting information.

Martin O'Malley, Governor
Anthony G. Brown, Lt. Governor

MDP

Maryland Department of Planning

Richard Eberhart Hall, AICP, Secretary
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