

Water Resources Publications CD
Collection of water resources manuals and other publications



U.S. Department of Agriculture - Natural Resources Conservation Service

Name:	National Engineering Handbook - Part 630 Hydrology
Description:	<p>The Natural Resources Conservation Service (NRCS) National Engineering Handbook (NEH) is intended primarily for NRCS engineers and technicians. It presents material needed to carry out NRCS responsibilities in natural resources conservation and flood prevention.</p> <p>Chapter 01 - Introduction Chapter 02 - Procedures Chapter 03 - Preliminary Investigations Chapter 04 - Storm Rainfall Depth Chapter 05 - Stream Flow Data Chapter 06 - Stream Reaches & Hydrologic Units Chapter 07 - Hydrologic Soil Groups Chapter 08 - Land Use & Treatment Classes Chapter 09 - Hydrologic Soil Cover Complexes Chapter 10 - Estimation of Direct Runoff from Storm Rainfall Chapter 11 - Estimation of Direct Runoff from Snowmelt Chapter 12 - Hydrologic Effects of Land Use & Treatment Chapter 13 - Stage Inundation Relationships Chapter 14 - Stage Discharge Relationships Chapter 15 - Travel Time, Time of Concentration and Lag Chapter 16 - Hydrographs Chapter 17 - Flood Routing Chapter 18 - Selected Statistical Methods Chapter 19 - Transmission Losses Chapter 20 - Watershed Yield Chapter 21 - Design Hydrographs Chapter 22 - Glossary</p>

Name:	National Engineering Handbook - Part 650
Description:	Chapter 19 - Hydrology Tools for Wetland Determination

Name:	National Engineering Handbook - Part 628 Dams
Description:	<p>Chapter 50 - Earth Spillway Design Chapter 51 - Earth Spillway Erosion Model Chapter 52 - Field Procedure Guide for the Headcut Erodibility Index</p>

Name:	Ponds - Planning, Design, Construction
Description:	This handbook describes the requirements for building a pond. It is useful to the landowner for general information and serves as a reference for the engineer, technician, and contractor.

U.S. Department of Agriculture - Soil Conservation Service

Name:	TR - 60 - Earth Dams & Reservoirs
Description:	This Technical Release describes design procedures and provides minimum requirements for planning and designing earth dams and associated spillways.

Name:	TP - 149 - A Method for Estimating Volume & Rate of Runoff in Small Watersheds
Description:	The Soil Conservation Service (SCS) has developed charts ES-1026 and ES-1027 for estimating the instantaneous peak discharge expected from small areas. They provide the peak discharge rate for establishing conservation practices on individual farms and ranches and for the design of water-control measures in small watersheds.

Name:	TR - 16 - Rainfall-Runoff Tables for Selected Curve Numbers
Description:	The tables show runoff amounts from rainfall quantities up to 40 inches and for runoff curve numbers 50 to 98, inclusive.

Name:	TP - 61 - Handbook of Channel Design for Soil & Water Conservation
Description:	The factors to consider in open-channel flow and stability, together with graphical methods for designing conservation channels, are presented in this handbook. The purpose is to furnish technicians of the Soil Conservation Service with the most recent and complete information to aid them in the design of channels to be lined with vegetation.

U.S. Department of Transportation

Name:	Hydraulic Design of Highway Culverts
Description:	This Hydraulic Design Series No. 5 combines culvert design information previously contained in Hydraulic Engineering Circular (HEC) No. 5, No. 10 and No. 13 with hydrologic, storage routing and special culvert design information. The result is a comprehensive culvert design publication.

Name:	Urban Drainage Design Manual - Hydraulic Engineering Circular No. 22
Description:	This circular provides a comprehensive and practical guide for the design of storm drainage systems associated with transportation facilities. Design guidance is provided for the design of storm drainage systems which collect, convey and discharge stormwater flowing within and along highway right-of-way.

U.S. Environmental Protection Agency (EPA)

Name:	EPA SWMM Version 4 User's Manual
Description:	The EPA Storm Water Management Model (SWMM) is a comprehensive mathematical model for simulation of urban runoff quantity and quality in storm and combined sewer systems. All aspects of the urban hydrologic and quality cycles are simulated, including surface and subsurface runoff, transport through the drainage network, storage and treatment.

Name:	EPA SWMM EXTRAN Addendum
Description:	Mathematical models are important tools for use in analysis of quantity and quality problems resulting from urban storm water runoff and combined sewer overflows. This report is an updated user's manual and documentation for one of the first of such models, the EPA Storm Water Management Model (SWMM) and its Extended Transport (Extran) Block. Detailed instructions on the use of Extran are given, and its use is illustrated with case studies.

U.S. Federal Emergency Management Agency (FEMA)

Name:	Flood Insurance Study Guidelines and Specifications for Study Contractors
Description:	FEMA has compiled the Flood Insurance Study Guidelines and Specifications for Study Contractors to define technical policy and procedures to be followed in the preparation of Flood Insurance Studies, restudies, and Limited Map Maintenance Program projects.

Upper Parramatta River Catchment Trust

Name:	On-site Stormwater Detention Handbook, Third Edition
Description:	This Handbook is published in accordance with the Upper Parramatta River Catchment Trust's On-site Stormwater Detention Policy. This policy was developed in conjunction with four local councils in the catchment.

Various Sources

Name:	Estimation of Green-Ampt Infiltration Parameters
Description:	For the estimation of SWMM RUNOFF Variables SUCT, HYDCON, SMDMAX. Provisional values suitable for design storm events where more detailed soils data is not available.

Name:	Q3 Flood Data Specifications
Description:	This document is intended to provide users of Q3 Flood Data with detailed information regarding the contents of the Q3 Flood Data files.