

Nationally Available Educational and Training Resources

Introduction to the EPA, the Clean Water Act, and Water Quality Standards

- US EPA, [Watershed Academy](#) (2023)
 - [Introduction to the Clean Water Act](#) (2023)
 - [Clean Water Act Part 1: History of the Clean Water Act and an Introduction to Water Quality Standards](#) (2023)
 - [Learning Modules](#) (2023)
 - [Watershed Webcasts](#) (2023)
- US EPA, [Water Quality Standards Academy](#) (2023)
 - [Virtual WQS Academy Session May 2023 Slides](#) (2023)
 - [Overview of the EPA, the Clean Water Act, and Water Quality Standards](#) (2023)
 - [Waters of the United States under the Clean Water Act](#) (2023)
 - [Live Virtual WQS Academies](#) (biannual)
- US EPA, [Online Training in Watershed Management](#) (2024)
 - [Introduction to Watershed Ecology](#) (2023)
 - [Introduction to Watershed Planning](#) (2023)
- US EPA, [Training for Tribes and Clean Water Act and Safe Drinking Water Act Topics](#) (2023)
- ACWA, [Clean Water Cross-Programs Workshops](#) (annual)

Introduction to the CWA 303(d) Program

- US EPA, [2022-2032 Vision for the CWA Section 303\(d\) Program](#) (2023)
- US EPA, [Fact Sheet: The Clean Water Act “Impaired Waters Restoration Pipeline”](#) (2009)
- US EPA, [Overview of Identifying and Restoring Waters under Section 303\(d\) of the CWA](#) (2023)
- US EPA, [Clean Water Action Section 303\(d\) Listings and Total Maximum Daily Loads \(TMDLs\)](#) (2023)
- Traci Iott and Rosaura Conde, [CWA 303\(d\) 101](#) (2022)
- NEIWPC, [National CWA 303\(d\)/TMDL Webinar Series](#) (n.d.)
 - [TMDL Webinar Resource Library](#) (n.d.)
- ELI, [Overview of State CWA 303\(d\) Program Vision Prioritization Frameworks](#) (2016)
- ELI, [Environmental Justice and the CWA 303\(d\) Program](#) (2022)
- ELI, [Climate Change and the CWA 303\(d\) Program](#) (2022)

Assessment and Listing

Assessment

- US EPA, [Tribal Assessment Modules](#) (2023)
- US EPA, [Consolidated Assessment and Listing Methodology \(CALM\) Appendices](#) (2022)

Listing Impaired Waters and the CWA 303(d) Program

- US EPA, [Fact Sheet: Introduction to Clean Water Act \(CWA\) Section 303\(d\) Impaired Waters Lists](#) (2009)

Water Quality Standards and Criteria

- US EPA, [Water Quality Standards Handbook](#) (2017)
- US EPA, [Water Quality Criteria](#) (2023)

Other Tools and Resources

- US EPA, [Compendium of Tools for Watershed Assessment & TMDLs](#) (1997)

Data Management and Reporting

Data Storage and Visuals

- US EPA, [Water Quality Modeling Recorded Webinars](#) (n.d.)
- US EPA, [How's My Waterway](#) (2023)
- National Water Quality Monitoring Council, [Water Quality Portal](#) (2023)

Reporting Guidance, Products, and Tools

Integrated Reports (IRs)

- US EPA, [Fact Sheet: Integrated Reporting \(IR\) – Improved Reporting for CWA Sections 303\(d\), 305\(b\) and 314](#) (2009)
- US EPA, [Integrated Reporting Guidance under CWA Section 303\(d\), 305\(b\) and 314](#) (n.d.)

ATTAINS

- Wendy Reid and Selena Medrano, [ATTAINS 101](#) (2022)
- US EPA, [ATTAINS](#) (2023)

Geospatial Data Downloads

- US EPA, [National Geospatial Datasets](#) (n.d.)
- US EPA, [Current ATTAINS Program Data](#) (2023)
 - [ATTAINS Water Quality Assessment GIS Dataset](#) (2023)
- US EPA, [BEACH Program Data](#) (2023)
- US EPA, [Water Quality Data](#) (n.d.)

TMDL Development and Implementation

General Information

- US EPA Office of Water, [Fact Sheet: Total Maximum Daily Loads](#) (2009)
- US EPA, [Overview of Total Maximum Daily Loads](#) (2022)

Planning

- US EPA, [Developing Effective TMDLs: An Evaluation of the TMDL Process](#) (2009)
- US EPA, [Developing Effective Nonpoint Source TMDLs: An Evaluation of the TMDL Process](#) (2009)

Implementation

- Brian Benham et al., [TMDL Implementation: Lessons Learned](#) (2009)
- John Hoornbeek et al., [Implementing Total Maximum Daily Loads: Understanding and Fostering Successful Results](#) (2008)

Monitoring

General Resources

- US EPA, [Virtual WQS Academy: Monitoring and Assessment](#) (2023)
- US EPA, [Elements of a State Water Monitoring and Assessment Program](#) (2003)
- National Water Quality Monitoring Council, [Webinar Series](#) (n.d.)

Monitoring and TMDLs

- US EPA, [TMDL Effectiveness Monitoring Data and Plans](#) (2023)
- US EPA, [State Approaches and Needs for Measuring, Tracking and Reporting on Water Quality Improvements](#) (2022)
- ELI, [Approaches to Evaluating the Water Quality Effects of TMDL Implementation](#) (2021)

Tools

- US EPA, [Ambient Water Quality Tools](#) (2023)
- US EPA, [TMDL Effectiveness Monitoring Tool](#) (2023)

Quality Assurance, Field, and Lab Protocols

- US EPA, [Introduction to Data Quality Assessment](#) (2023)
- US EPA, [Introduction to Data Quality Objectives](#) (2023)
- US EPA, [Factsheets on Water Quality Parameters](#) (2023)
- US EPA, [Surface Water Quality Monitoring](#) (2023)