

Nationally Available Educational and Training Resources

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

- US EPA, [Watershed Academy](#)
 - [Learning Modules](#)
 - [Introduction to the Clean Water Act](#)
 - [Clean Water Act Part 1: History of the Clean Water Act and an Introduction to Water Quality Standards](#)
 - [Watershed Webcasts](#)
- US EPA, [Water Quality Standards Academy](#)
 - [Virtual WQS Academy Session Slides](#)
 - [Overview of the EPA, the Clean Water Act, and Water Quality Standards](#) (2024)
 - [Waters of the United States under the Clean Water Act](#) (2024)
 - [Live Virtual WQS Academies](#) (biannual)
- US EPA, [Online Training in Watershed Management](#)
 - [Introduction to Watershed Ecology](#)
 - [Introduction to Watershed Planning](#)
- US EPA, [Training for Tribes on Clean Water Act and Safe Drinking Water Act Topics](#)
 - [EPA's Small Drinking Water Systems Monthly Webinar Series](#)
 - [EPA's Tribal Nonpoint Source Program Training Webinars](#)
 - [EPA's Partnering for Security and Resilience Webinar Series](#)
- ACWA, [Events \(Past and Upcoming\)](#)

Introduction to the CWA 303(d) Program

- US EPA, [Overview of Identifying and Restoring Waters under Section 303\(d\) of the CWA](#)
- US EPA, [2022-2032 Vision for the CWA Section 303\(d\) Program](#)
- US EPA, [Fact Sheet: The Clean Water Act “Impaired Waters Restoration Pipeline”](#) (2009)
- US EPA, [Clean Water Action Section 303\(d\) Listings and Total Maximum Daily Loads \(TMDLs\)](#) (2024)
- 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)
- Traci Iott and Rosaura Conde, [Introduction to the CWA 303\(d\) Program and Vision](#) (2024)
- NEIWPC, [National CWA 303\(d\)/TMDL Webinar Series](#)
- NEIWPC, [The Clean Water Pod](#)

Assessment and Listing

Water Quality Standards and Criteria

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

Integrated Reports (IRs)

- US EPA, [Integrated Reporting Memoranda under CWA Section 303\(d\), 305\(b\) and 314](#)
- US EPA, [Integrated Reporting Memo Topic Index](#) (all years through 2024)
- US EPA, [Fact Sheet: Integrated Reporting – Improved Reporting for CWA Sections 303\(d\), 305\(b\) and 314](#) (2009)

Assessment

- US EPA, [Tribal Assessment Modules](#)

Listing Impaired Waters and the CWA 303(d) Program

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

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](#)
- US EPA, [How's My Waterway](#)
- US EPA, [Surface Water Quality Modeling Training](#)
- National Water Quality Monitoring Council, [Water Quality Portal](#)

ATTAINS

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

Geospatial Data Downloads

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

TMDL Development and Implementation

General Information

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

Planning

- US EPA, [TMDL Foundations Training](#)
- US EPA, [Developing Effective Nonpoint Source TMDLs: An Evaluation of the TMDL Development Process](#) (2007)
- US EPA, [Developing Effective TMDLs: An Evaluation of the TMDL Process](#) (2007)

Implementation

- Brian Benham, et al., [TMDL Implementation: Lessons Learned](#) (2007)
- 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](#) (2024)
- US EPA, [Elements of a State Water Monitoring and Assessment Program](#) (2003)

Monitoring and TMDLs

- US EPA, [State Approaches and Needs for Measuring, Tracking and Reporting on Water Quality Improvements](#) (2010)
- US EPA, [TMDL Effectiveness Monitoring Data and Plans](#)
- ELI, [Approaches to Evaluating the Water Quality Effects of TMDL Implementation](#) (2021)

Tools

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

Quality Assurance, Field, and Lab Protocols

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