

Dataset Summary

TMDL Watersheds are a spatial representation of the geographic area covered by TMDL reports in the Commonwealth of Virginia. Watersheds represent areas on the ground where TMDL Equations have been modelled for impaired waters. This dataset conveys the areas where EPA has approved the TMDL study. The dataset includes attribution to indicate the status of the TMDL report, the pollutant being addressed, the date of EPA approval and the date of State Water Control Board Approval. The attribution also contains links the final TMDL Project report for more information.



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Dataset Description and Purpose

This dataset represents the geospatial extent as polygons and the corresponding attribution for the TMDL Equation Watersheds (TMDL Watersheds) associated with TMDL Project Areas within the Commonwealth of Virginia. Watershed boundaries are defined in the creation of the TMDL Project Report using custom boundaries and using the 12-digit National Watershed Boundary Dataset (NWBD) HUCs. There may be one or many TMDL Watersheds associated with a TMDL Project. TMDL Watersheds boundaries are created in ArcGIS desktop with a unique ID (TMDL_EQ_ID) used to join to TMDL CEDS database to display attribution associated with each record. TMDL Watersheds are a spatial representation of the geographic area covered by a TMDL report. Watersheds represent areas on the ground where TMDL Equations have been modelled for impaired waters. This dataset conveys the areas where EPA has approved the TMDL study. The dataset includes attribution to indicate the status of the TMDL report, the pollutant being addressed, the date of EPA approval and the date of State Water Control Board Approval. The attribution also contains links the final TMDL Project report for more information.

Resource Constraints / Use Limitations

Data set geometry and attribution should not be altered except by the developer (VA DEQ). This dataset constitutes the United States Environmental Protection Agency (US EPA) approved digital version of the TMDL Watershed Areas in Virginia. Crediting the Virginia Department of Environmental Quality as data source is requested. Users are encourage do direct data requests to DEQ for direct data download as changes are continuously made.

Data Disclaimer

This geographic information system (GIS) data is made available as a public service. **This dataset is to be used for reference purposes only and Virginia Department of Environmental Quality is not responsible for any inaccuracies herein contained**. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided. GIS information is in the public domain and may be copied without permission; citation of the source is suggested.

The information contained within this geospatial dataset is for reference purposes only and is **not** to be construed or used as a "legal description" or for legal purposes. This information is believed to be accurate, but accuracy is not guaranteed. Information drawn from this dataset must be used in consultation with appropriate federal, state, or local resource management officials. Any errors or omissions should be reported to Virginia Department of Environmental Quality via **email**, or via the contact listed within this Fact Sheet.

Data Quality

This dataset was created using a combination of spatial deliveries from contractors and reference datasets such as the USGS NWBD 12-digit hydrologic unit boundaries.

Spatial Reference Information

EPSG 3857: WGS 84 / Web Mercator – Spherical Mercator: https://epsg.io/3857

Data Dictionary / Field Information.

Field Name	Field Alias	Field Summary
OBJECTID_1	OBJECTID_1	Sequential unique whole numbers that are automatically generated
Shape	Shape	Feature geometry
TMDL_EQ_ID	TMDL Equation ID	TMDL Equation ID is automatically generated for internal tracking purposes and is the unique identifier for the dataset
Project	Project ID	Project ID is automatically generated for internal tracking purposes
WSHD_ID	Watershed ID	Watershed ID is automatically generated for internal tracking purposes
INSERTED_BY	INSERTED_BY	System maintained field displaying a user id of person who created the record
INSERTED_DATE	INSERTED_DATE	System maintained date field indicating date record was created
CHANGED_BY	CHANGED_BY	System maintained date field indicating the user id of person last edited the record
CHANGED_DATE	CHANGED_DATE	System maintained date field indicating the last edited date of record
OBJECTID	OBJECTID	Sequential unique whole numbers that are automatically generated
PJ_ID	Project ID	Project ID is automatically generated for internal tracking purposes
PJ_NAME	Project Name	Name of TMDL Project
TMDL_EQ_ID_1	TMDL Equation ID	TMDL Equation ID is automatically generated for internal tracking purposes and is the unique identifier for the dataset
WSHD_NAME	Watershed Name	Name of Individual Watershed within TMDL Project
PJ_RPT_EPA_APPRVD_DT	EPA Approval Date	EPA Approval date for TMDL Project
PJ_RPT_SWCB_APPRVD_DT	State Water Control Board Approval Date	Virginia State Water Control Board Approval Date of TMDL Project Document
PROJECT_STATUS	Project Status	Status of TMDL Project either “Approved” or “Draft”
POL_NAME	Pollutant Name	Pollutant addressed by the TMDL Equation
IMP_NAME	Impairment Name	Impairment addressed by TMDL Equation
REGION	DEQ Region	DEQ regional office lead for TMDL Project
Shape_length	Shape_length	Automatically generated length field
Shape_Area	Shape_Area	Automatically generated area field

Field Name	Field Alias	Field Summary