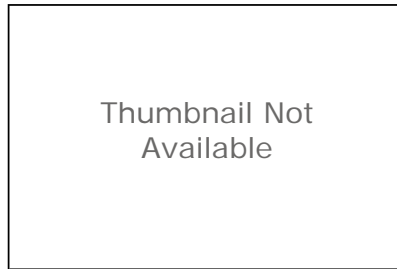


# Biological Assessment of the Streams and Waterbodies of Frederick County, Maryland



## Tags

WADEABLE STREAMS, Habitat, Watersheds, Streams, BENTHOS, WATER QUALITY, biota, environment, Biology, Ecology, Ecosystem, Environment, Indicator, Marine, Monitoring, Quality, Surface Water, Water, Benthos, Macro Invertebrates, Water Quality, Wateshed

## Summary

To assess stream health in Frederick County Maryland.

## Description

The Watershed Management Section has several goals for water quality in Frederick County, including: pollution prevention, public outreach and education, assessment of current watershed conditions and support of efforts for improvement and protection where needed. This program was founded under a NPDES Permit from the Environmental Protection Agency. NPDES stands for National Pollutant Discharge Elimination System. The permit deals primarily with non-point source pollution, which is pollution that runs off of parking lots, fields, lawns, roads, and other impervious surfaces when it rains.

## Credits

There are no credits for this item.

## Use limitations

Use at your own risk

## ArcGIS Metadata ►

### Citation ►

TITLE Biological Assessment of the Streams and Waterbodies of Frederick County, Maryland

[Hide Citation ▲](#)

### Resource Details ►

CREDITS

[Hide Resource Details ▲](#)

### Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Use at your own risk

[Hide Resource Constraints ▲](#)

**Metadata Details** ▶

\* LAST UPDATE 2011-02-15

## ARCGIS METADATA PROPERTIES

METADATA FORMAT ESRI-ISO

CREATED IN ARCGIS 2010-03-30T13:19:05

LAST MODIFIED IN ARCGIS 2011-02-15T13:37:50

## AUTOMATIC UPDATES

HAVE BEEN PERFORMED No

*Hide Metadata Details* ▲**FGDC Metadata (read-only)** ▶**Identification** ▶

## CITATION

## CITATION INFORMATION

ORIGINATOR Frederick County, Division of Public Works, Office of Development Review

PUBLICATION DATE 2013-04-24

## TITLE

Biological Assessment of the Streams and Waterbodies of Frederick County, Maryland

## PUBLICATION INFORMATION

PUBLICATION PLACE Annapolis, MD

PUBLISHER Chesapeake Bay Program (CBP)

ONLINE LINKAGE [http://data.chesapeakebay.net/?DB=CBP\\_NTBEADB](http://data.chesapeakebay.net/?DB=CBP_NTBEADB)

## ONLINE LINKAGE

[http://www.chesapeakebay.net/data/downloads/watershed\\_wide\\_benthic\\_invertebrate\\_database](http://www.chesapeakebay.net/data/downloads/watershed_wide_benthic_invertebrate_database)ONLINE LINKAGE [http://www.watershed-alliance.com/mcwa\\_pubs.html](http://www.watershed-alliance.com/mcwa_pubs.html)

## DESCRIPTION

## ABSTRACT

The Watershed Management Section has several goals for water quality in Frederick County, including: pollution prevention, public outreach and education, assessment of current watershed conditions and support of efforts for improvement and protection where needed.

This program was founded under a NPDES Permit from the Environmental Protection Agency. NPDES stands for National Pollutant Discharge Elimination System. The permit deals primarily with non-point source pollution, which is pollution that runs off of parking lots, fields, lawns, roads, and other impervious surfaces when it rains.

## PURPOSE

To assess stream health in Frederick County Maryland.

## TIME PERIOD OF CONTENT

## TIME PERIOD INFORMATION

## SINGLE DATE/TIME

CALENDAR DATE 19990607-Present

## CURRENTNESS REFERENCE

Ground condition

## STATUS

PROGRESS In work

MAINTENANCE AND UPDATE FREQUENCY Irregular

SPATIAL DOMAIN

BOUNDING COORDINATES

WEST BOUNDING COORDINATE -77.657118

EAST BOUNDING COORDINATE -77.171797

NORTH BOUNDING COORDINATE 39.714022

SOUTH BOUNDING COORDINATE 39.26579

KEYWORDS

THEME

THEME KEYWORD THESAURUS None

THEME KEYWORD WADEABLE STREAMS

THEME KEYWORD Habitat

THEME KEYWORD Watersheds

THEME KEYWORD Streams

THEME KEYWORD BENTHOS

THEME KEYWORD WATER QUALITY

THEME

THEME KEYWORD THESAURUS ISO 19115 Topic Category

THEME KEYWORD biota

THEME KEYWORD environment

THEME

THEME KEYWORD THESAURUS EPA GIS Keyword Thesaurus

THEME KEYWORD Biology

THEME KEYWORD Ecology

THEME KEYWORD Ecosystem

THEME KEYWORD Environment

THEME KEYWORD Indicator

THEME KEYWORD Marine

THEME KEYWORD Monitoring

THEME KEYWORD Quality

THEME KEYWORD Surface Water

THEME KEYWORD Water

THEME

THEME KEYWORD THESAURUS User

THEME KEYWORD Benthos

THEME KEYWORD Macro Invertebrates

THEME KEYWORD Water Quality

THEME KEYWORD Watershed

PLACE

PLACE KEYWORD THESAURUS None

PLACE KEYWORD Maryland

PLACE KEYWORD Frederick County

ACCESS CONSTRAINTS

None

## USE CONSTRAINTS

Use at your own risk

## POINT OF CONTACT

## CONTACT INFORMATION

## CONTACT PERSON PRIMARY

CONTACT PERSON David Ennis

CONTACT ORGANIZATION Department of Program Development &amp; Management

CONTACT POSITION Department Head

## CONTACT ADDRESS

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CITY Frederick

STATE OR PROVINCE Maryland

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CONTACT FACSIMILE TELEPHONE 301-600-1808

## CONTACT INSTRUCTIONS

Not Available

## SECURITY INFORMATION

SECURITY CLASSIFICATION SYSTEM FIPS Pub 199

SECURITY CLASSIFICATION No Confidentiality

SECURITY HANDLING DESCRIPTION Standard Technical Controls

*Hide Identification* ▲**Data Quality** ►

## LOGICAL CONSISTENCY REPORT

Not Applicable

## COMPLETENESS REPORT

Unknown

## POSITIONAL ACCURACY

## HORIZONTAL POSITIONAL ACCURACY

## HORIZONTAL POSITIONAL ACCURACY REPORT

Data were collected using methods that are accurate to within 6-25 meters (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 3). For more information, please see EPA's NGDP at <http://epa.gov/geospatial/policies.html>

## LINEAGE

## PROCESS STEP

## PROCESS DESCRIPTION

Metadata imported.

PROCESS DATE 2010-03-30

## PROCESS STEP

## PROCESS DESCRIPTION

Data was loaded into the CBPO Non-Tidal Benthic Data base.

PROCESS DATE 2010-03-30

*Hide Data Quality* ▲

## Spatial Reference ►

### HORIZONTAL COORDINATE SYSTEM DEFINITION

#### GEOGRAPHIC

LATITUDE RESOLUTION 0.000001  
 LONGITUDE RESOLUTION 0.000001  
 GEOGRAPHIC COORDINATE UNITS Decimal degrees

#### GEODETTIC MODEL

HORIZONTAL DATUM NAME North American Datum of 1983  
 ELLIPSOID NAME Geodetic Reference System 1980  
 SEMI-MAJOR AXIS 6378137.000000  
 DENOMINATOR OF FLATTENING RATIO 298.257222

*Hide Spatial Reference* ▲

## Distribution Information ►

### DISTRIBUTOR

#### CONTACT INFORMATION

##### CONTACT PERSON PRIMARY

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 CONTACT ORGANIZATION Versar Inc.

CONTACT POSITION Environmental Scientist

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unavailavle

### RESOURCE DESCRIPTION Downloadable Data

#### DISTRIBUTION LIABILITY

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**Metadata Reference** ▶

METADATA DATE 2013-04-24

METADATA FUTURE REVIEW DATE 2017-04-24

## METADATA CONTACT

## CONTACT INFORMATION

## CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION U.S. Environmental Protection Agency, Chesapeake Bay Program

CONTACT PERSON Peter Tango

CONTACT POSITION Monitoring Coordinator

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## CONTACT INSTRUCTIONS

<http://www.chesapeakebay.net>

METADATA STANDARD NAME NBII Content Standard for National Biological Information Infrastructure Metadata

METADATA STANDARD VERSION FGDC-STD-001-1998

## METADATA SECURITY INFORMATION

METADATA SECURITY CLASSIFICATION SYSTEM None

METADATA SECURITY CLASSIFICATION Unclassified

METADATA SECURITY HANDLING DESCRIPTION

None

*Hide Metadata Reference* ▲