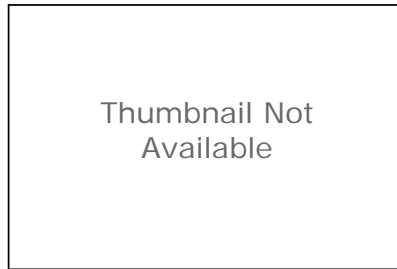


# Biological Assessment of the Streams and Waterbodies of Montgomery County, Maryland



## 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

## Summary

Assessing the conditions of streams in Montgomery County Maryland

## Description

Montgomery County- Department of Environmental Protection's (DEP) established. . Water quality monitoring includes: Instantaneous water chemistry and testing; Assessments of the biological community living in our streams and waterways and Assessments of the structure, flow, and condition of the stream itself. Stream monitoring supports water resource management in the County in many ways including: 1)Assessing and tracking the health of the County's subwatersheds over time; 2 )Identifying pollutants in the County's water bodies; 3) Prioritizing watersheds for restoration by allowing DEP to assess and compare watersheds; 4) Tracking water quality outcomes of watershed restoration projects; 5)Identifying stream segments that are severely impaired and need remediation for long-term watershed health; 5) Assessing the effectiveness of controls to capture, slow down, and filter stormwater runoff; 6) Evaluating water quality responses and trends closely in Special Protection Areas (SPAs) 7) Helping DEP to meet the County's water quality goals and legally mandated water quality standards and 7)Fulfilling the legal requirements in the County's stormwater permit to provide ongoing assessments of County waterways.

## 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 Montgomery County, Maryland

[Hide Citation ▲](#)

### Resource Details ►

CREDITS

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### Resource Constraints ►

## CONSTRAINTS

## LIMITATIONS OF USE

Use at your own risk

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## Metadata Details ►

\* LAST UPDATE 2010-04-21

## ARCGIS METADATA PROPERTIES

METADATA FORMAT ESRI-ISO

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

LAST MODIFIED IN ARCGIS 2010-04-21T10:40:47

## AUTOMATIC UPDATES

HAVE BEEN PERFORMED No

[Hide Metadata Details ▲](#)

## FGDC Metadata (read-only) ►

### Identification ►

## CITATION

## CITATION INFORMATION

ORIGINATOR Montgomery County- Department of Environmental Protection

ORIGINATOR Jennifer St. John

PUBLICATION DATE 2013-04-24

## TITLE

Biological Assessment of the Streams and Waterbodies of Montgomery 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.montgomerycountymd.gov/deatmpl.asp?url=/Content/dep/DEPHome/index.asp>

url=/Content/dep/DEPHome/index.asp

## DESCRIPTION

## ABSTRACT

Montgomery County- Department of Environmental Protection's (DEP) established.. Water quality monitoring includes: Instantaneous water chemistry and testing; Assessments of the biological community living in our streams and waterways and Assessments of the structure, flow, and condition of the stream itself. Stream monitoring supports water resource management in the County in many ways including: 1)Assessing and tracking the health of the County's subwatersheds over time; 2 )Identifying pollutants in the County's water bodies; 3) Prioritizing watersheds for restoration by allowing DEP to assess and compare watersheds; 4) Tracking water quality outcomes of watershed restoration projects; 5)Identifying stream segments that are severely impaired and need remediation for long-term watershed health; 5) Assessing the effectiveness of controls to capture, slow down, and filter stormwater runoff; 6) Evaluating water quality responses and trends closely in Special Protection Areas (SPAs) 7) Helping DEP to meet the County's water

quality goals and legally mandated water quality standards and 7)Fulfilling the legal requirements in the County's stormwater permit to provide ongoing assessments of County waterways.

## PURPOSE

Assessing the conditions of streams in Montgomery County Maryland

## TIME PERIOD OF CONTENT

## TIME PERIOD INFORMATION

## SINGLE DATE/TIME

CALENDAR DATE 19890901-Present

## CURRENTNESS REFERENCE

Ground condition

## STATUS

PROGRESS Complete

MAINTENANCE AND UPDATE FREQUENCY Annually

## SPATIAL DOMAIN

## BOUNDING COORDINATES

WEST BOUNDING COORDINATE -77.5183

EAST BOUNDING COORDINATE -76.8435

NORTH BOUNDING COORDINATE 39.3483

SOUTH BOUNDING COORDINATE 38.9147

## 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

## PLACE

PLACE KEYWORD THESAURUS None  
 PLACE KEYWORD Maryland  
 PLACE KEYWORD Montgomery County

## ACCESS CONSTRAINTS

None

## USE CONSTRAINTS

Use at your own risk

## POINT OF CONTACT

## CONTACT INFORMATION

## CONTACT PERSON PRIMARY

CONTACT PERSON Jennifer St. John

CONTACT ORGANIZATION Department of Environmental Protection / Montgomery County, Maryland

## CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

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CITY Rockville

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CONTACT VOICE TELEPHONE 240.777.7770

CONTACT FACSIMILE TELEPHONE 240.777.7765

CONTACT ELECTRONIC MAIL ADDRESS Jennifer.St.John@montgomerycountymd.gov

## 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-Data voluntarily reported

## 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 Montgomery County- Department of Environmental Protection'

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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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<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 ▲*