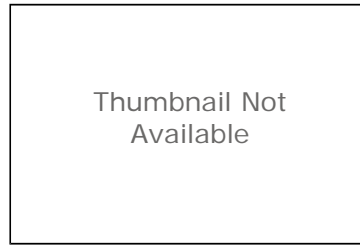


# Biological Assessment of the Streams and Reservoirs in The City of Baltimore, Maryland



## Tags

WADEABLE STREAMS, Habitat, Watersheds, Streams, BENTHOS, WATER QUALITY, biota, inlandWaters, Biology, Ecology, Ecosystem, Environment, Estuary, Indicator, Water, Benthos, Macro Invertebrates

## Summary

To assess the health of the streams and reservoirs in the City of Baltimore.

## Description

Under the Maryland Department of the Environment National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Discharge Permit, "benthic macroinvertebrate samples shall be gathered each Spring between the outfall and in-stream stations or other practical locations based on an approved study design; and The City (of Baltimore) shall use the EPA Rapid Bioassessment Protocols (RBP), Maryland Biological Stream Survey (MBSS), or other similar methods approved by MDE."

## 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 Reservoirs in The City of Baltimore, Maryland

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### Resource Details ►

CREDITS

*Hide Resource Details ▲*

### Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Use at your own risk

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### Metadata Details ►

\* LAST UPDATE 2011-07-21

ARCGIS METADATA PROPERTIES

METADATA FORMAT ESRI-ISO

CREATED IN ARCGIS 2010-03-30T13:19:05  
 LAST MODIFIED IN ARCGIS 2011-07-21T08:43:02

AUTOMATIC UPDATES  
 HAVE BEEN PERFORMED No

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## FGDC Metadata (read-only) ►

### Identification ►

#### CITATION

##### CITATION INFORMATION

ORIGINATOR Department of Public Works, Water Quality Monitoring and Inspections Section

PUBLICATION DATE 2013-04-24

##### TITLE

Biological Assessment of the Streams and Reservoirs in The City of Baltimore, Maryland

##### PUBLICATION INFORMATION

PUBLICATION PLACE Annapolis, MD

PUBLISHER Chesapeake Bay Program (CBP)

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

##### 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.chesapeakebay.net>

##### ONLINE LINKAGE

<http://www.baltimorecity.gov/Government/AgenciesDepartments/PublicWorks/ProtectingOurResources.aspx>

#### DESCRIPTION

##### ABSTRACT

Under the Maryland Department of the Environment National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Discharge Permit, "benthic macroinvertebrate samples shall be gathered each Spring between the outfall and in-stream stations or other practical locations based on an approved study design; and The City (of Baltimore) shall use the EPA Rapid Bioassessment Protocols (RBP), Maryland Biological Stream Survey (MBSS), or other similar methods approved my MDE."

##### PURPOSE

To assess the health of the streams and reservoirs in the City of Baltimore.

#### TIME PERIOD OF CONTENT

##### TIME PERIOD INFORMATION

##### SINGLE DATE/TIME

CALENDAR DATE 20020405-Present

##### CURRENTNESS REFERENCE

Ground condition

#### STATUS

PROGRESS In work

MAINTENANCE AND UPDATE FREQUENCY Irregular

#### SPATIAL DOMAIN

##### BOUNDING COORDINATES

WEST BOUNDING COORDINATE -76.71163

EAST BOUNDING COORDINATE -76.53319

NORTH BOUNDING COORDINATE 39.37232

SOUTH BOUNDING COORDINATE 39.26334

#### 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 inlandWaters

## THEME

THEME KEYWORD THESAURUS EPA GIS Keyword Thesaurus  
THEME KEYWORD Biology  
THEME KEYWORD Ecology  
THEME KEYWORD Ecosystem  
THEME KEYWORD Environment  
THEME KEYWORD Estuary  
THEME KEYWORD Indicator  
THEME KEYWORD Water

## THEME

THEME KEYWORD THESAURUS User  
THEME KEYWORD Benthos  
THEME KEYWORD Macro Invertebrates

## PLACE

PLACE KEYWORD THESAURUS None  
PLACE KEYWORD Maryland  
PLACE KEYWORD City of Baltimore

## ACCESS CONSTRAINTS

None

## USE CONSTRAINTS

Use at your own risk

## POINT OF CONTACT

## CONTACT INFORMATION

## CONTACT PERSON PRIMARY

CONTACT PERSON Theodore Eucare, Jr.

CONTACT ORGANIZATION City of Baltimore, Water Quality Monitoring and Inspections Section

CONTACT POSITION Pollution Control Analyst III

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## 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 2011-12-31

*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  
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RESOURCE DESCRIPTION Downloadable Data

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AVAILABLE TIME PERIOD

TIME PERIOD INFORMATION

RANGE OF DATES/TIMES

BEGINNING DATE 2004-04-05  
 ENDING DATE 2011-06-01

*Hide Distribution Information* ▲

**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

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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* ▲