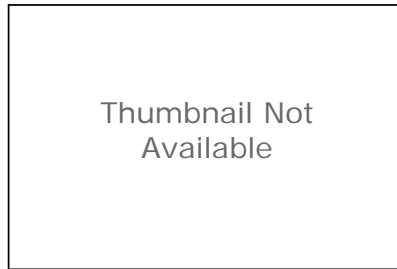


## USGS National Water Quality Assessment Program- Chesapeake Bay Region Subset



### Tags

biota, environment, Biology, Ecology, Ecosystem, Environment, Indicator, Marine, Monitoring, Quality, Surface Water, Water, Benthos, Macro Invertebrates, Water Quality

### Summary

The purpose of the website is to provide publish data collected by the NAWQA Program to the public.

### Description

The U.S. Geological Survey (USGS) began its NAWQA (National Water Quality Assessment) program in 1991, systematically collecting chemical, biological, and physical water quality data from 42 study units (basins) across the nation. The data warehouse currently contains and links the following data: \* Chemical concentrations in water, bed sediment, and aquatic organism tissues for about 600 chemical constituents \* Site, basin, well and network characteristics with many descriptive variables \* Daily stream flow information for fixed sampling sites \* Ground water levels for sampled wells \* 7,600 surface water sites and 8,100 wells \* 48,000 nutrient samples and 30,000 pesticide samples as well as 8,800 VOC samples \* 2,600 samples of bed sediment and aquatic organism tissues.

### Credits

There are no credits for this item.

### Use limitations

None. Please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the most recent copy of both data and metadata. Acknowledgement of the EPA would be appreciated.

## ArcGIS Metadata ►

### Citation ►

TITLE USGS National Water Quality Assessment Program-Chesapeake Bay Region Subset

[Hide Citation ▲](#)

### Resource Details ►

CREDITS

[Hide Resource Details ▲](#)

### Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

None. Please check sources, scale, accuracy, currentness and other available information.

Please confirm that you are using the most recent copy of both data and metadata.  
Acknowledgement of the EPA would be appreciated.

[Hide Resource Constraints ▲](#)

## Metadata Details ►

\* LAST UPDATE 2011-02-15

ARCGIS METADATA PROPERTIES

METADATA FORMAT ESRI-ISO

LAST MODIFIED IN ARCGIS 2011-02-15T12:27:37

[Hide Metadata Details ▲](#)

## FGDC Metadata (read-only) ►

### Identification ►

#### CITATION

##### CITATION INFORMATION

ORIGINATOR USGS National Water Quality Assessment Program

PUBLICATION DATE 2013-04-24

##### TITLE

USGS National Water Quality Assessment Program-Chesapeake Bay Region Subset

GEOSPATIAL DATA PRESENTATION FORM Website

##### PUBLICATION INFORMATION

PUBLICATION PLACE Reston, MD

PUBLISHER U.S Geological Survey

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://water.usgs.gov/nawqa/data>

#### DESCRIPTION

##### ABSTRACT

The U.S. Geological Survey (USGS) began its NAWQA (National Water Quality Assessment) program in 1991, systematically collecting chemical, biological, and physical water quality data from 42 study units (basins) across the nation. The data warehouse currently contains and links the following data: \* Chemical concentrations in water, bed sediment, and aquatic organism tissues for about 600 chemical constituents \* Site, basin, well and network characteristics with many descriptive variables \* Daily stream flow information for fixed sampling sites \* Ground water levels for sampled wells \* 7,600 surface water sites and 8,100 wells \* 48,000 nutrient samples and 30,000 pesticide samples as well as 8,800 VOC samples \* 2,600 samples of bed sediment and aquatic organism tissues.

##### PURPOSE

The purpose of the website is to provide publish data collected by the NAWQA Program to the public.

#### TIME PERIOD OF CONTENT

##### TIME PERIOD INFORMATION

##### RANGE OF DATES/TIMES

BEGINNING DATE 1993-02-06

ENDING DATE 2008-08-27  
CURRENTNESS REFERENCE  
Publication date

## STATUS

PROGRESS In work

MAINTENANCE AND UPDATE FREQUENCY Weekly

## SPATIAL DOMAIN

## BOUNDING COORDINATES

WEST BOUNDING COORDINATE 159

EAST BOUNDING COORDINATE 68

NORTH BOUNDING COORDINATE 66

SOUTH BOUNDING COORDINATE 20

## KEYWORDS

## 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 Chesapeake Bay

PLACE KEYWORD Delaware

PLACE KEYWORD Maryland

PLACE KEYWORD New York

PLACE KEYWORD Pennsylvania

PLACE KEYWORD Virginia

PLACE KEYWORD Washington DC

PLACE KEYWORD West Virginia

## ACCESS CONSTRAINTS

None.

#### USE CONSTRAINTS

None. Please check sources, scale, accuracy, currentness and other available information. Please confirm that you are using the most recent copy of both data and metadata. Acknowledgement of the EPA would be appreciated.

#### POINT OF CONTACT

##### CONTACT INFORMATION

##### CONTACT PERSON PRIMARY

CONTACT PERSON Nate Booth

CONTACT ORGANIZATION US Geological Survey

##### CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 8505 Research Way

CITY Middleton

STATE OR PROVINCE WI

POSTAL CODE 53705

CONTACT VOICE TELEPHONE 608-821-3822

CONTACT ELECTRONIC MAIL ADDRESS nlbooth@usgs.gov

#### 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 have unknown accuracy (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 10). For more information, please see EPA's NGDP at <http://epa.gov/geospatial/policies.html>

#### LINEAGE

##### PROCESS STEP

##### PROCESS DESCRIPTION

Data for Chesapeake Bay Region was extracted from National Dataset and 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 ORGANIZATION PRIMARY  
 CONTACT ORGANIZATION U.S. Environmental Protection Agency, Chesapeake Bay Program  
 CONTACT PERSON Jacqueline Johnson  
 CONTACT POSITION Living Resources Data Manager  
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 CONTACT INSTRUCTIONS  
<http://www.chesapeakebay.net>

RESOURCE DESCRIPTION Downloadable Data

## DISTRIBUTION LIABILITY

I, the data requestor, agree to acknowledge the Chesapeake Bay Program and any other agencies and institutions as specified by the Chesapeake Bay Program Office as data providers. I agree to credit the data originators in any publications, reports or presentations generated from this data. I also accept that, although these data have been processed successfully on a computer system at the Chesapeake Bay Program, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data. It is strongly recommended that careful attention be paid to the contents of the data documentation file associated with these data. The Chesapeake Bay Program shall not be held liable for improper or incorrect use of the data described and/or contained herein.

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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  
National Biological Information Infrastructure Metadata

METADATA STANDARD VERSION FGDC-STD-001-1998

*Hide Metadata Reference* ▲