

# Sewer Planned Service Area: Howard County, Maryland

Metadata also available as

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### *Identification\_Information:*

#### *Citation:*

##### *Citation\_Information:*

##### *Originator:*

Howard County Government. Howard County, Maryland. Department of Technology and Communications, The Geographic Information Systems (GIS) Division.

*Publication\_Date:* 2004/02/25

*Publication\_Time:* Unknown

*Title:* Sewer Planned Service Area: Howard County, Maryland

*Edition:* None

*Geospatial\_Data\_Presentation\_Form:* Map: Vector Digital Data

##### *Series\_Information:*

*Series\_Name:* Not Applicable

*Issue\_Identification:* Not Applicable

##### *Publication\_Information:*

*Publication\_Place:* Howard County, Maryland

##### *Publisher:*

Howard County Government. Howard County, Maryland.  
Department of Technology and Communications, The Geographic Information Systems (GIS) Division.

*Online\_Linkage:* None

*Description:*

*Abstract:*

Depicts the current and future planning regions for sewer utilities in Howard County, Maryland.

*Purpose:*

Created for mapping and analysis for current and future utility planning.

*Supplemental\_Information:*

Current sewer use, and year to year time frame of future sewer expansion.

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* 2004/02/25

*Time\_of\_Day:* Unknown

*Currentness\_Reference:*

The geometry is based on the latest county property layer and sewer use information.

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* BiYearly

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -077.1875

*East\_Bounding\_Coordinate:* -076.6930

*North\_Bounding\_Coordinate:* +39.3683

*South\_Bounding\_Coordinate:* +39.1038

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* User Defined Theme Keyword List

*Theme\_Keyword:* Utility

*Theme\_Keyword:* Sewer

*Theme\_Keyword:* boundaries

*Theme\_Keyword:* zones

*Theme\_Keyword:* planning

*Theme\_Keyword:* waste removal

*Theme\_Keyword:* conduit

*Theme\_Keyword:* pipeline

*Place:*

*Place\_Keyword\_Thesaurus:* User Defined Place Keyword List

*Place\_Keyword:* Columbia

*Place\_Keyword:* Deep Run

*Place\_Keyword:* Ellicott City

*Place\_Keyword:* Glenelg

*Place\_Keyword:* Glenwood

*Place\_Keyword:* Howard County

*Place\_Keyword:* Lisbon

*Place\_Keyword:* Little Patuxent River

*Place\_Keyword:* Marriotsville

*Place\_Keyword:* Maryland

*Place\_Keyword:* Middle Patuxent River

*Place\_Keyword:* Mount Airy

*Place\_Keyword:* North Laurel

*Place\_Keyword:* Patuxent River

*Place\_Keyword:* Potapsco River

*Place\_Keyword:* West Friendship

*Place\_Keyword:* Baltimore Washington Suburb

*Place\_Keyword:* Woodbine

*Place\_Keyword:* Mount Airy

*Place\_Keyword:* Jessup

*Place\_Keyword:* Savage

*Place\_Keyword:* Rockburn

*Place\_Keyword:* Ilchester

*Place\_Keyword:* Clarksville

*Place\_Keyword:* Woodstock

*Place\_Keyword:* Deep Run

*Temporal:*

*Temporal\_Keyword\_Thesaurus:* User Defined Temporal Keyword List

*Temporal\_Keyword:* Modern

*Access\_Constraints:*

This file is not currently readily available to the general public in digital form.

This data may be distributed to Federal, State, and local government entities, education entities, or contractors hired through Howard County. There is no fee charge for this data set.

Users must sign and adhere to a license agreement before taking delivery of the data.

*Use\_Constraints:*

Users must adhere to the signed license agreement. Please see the license agreement for use constraints.

Users are also constrained by the source scale, accuracy, and time frame of the data set.

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Ted Chiang

*Contact\_Organization:* Howard County Department of Public Works,  
Bureau of Utilities

*Contact\_Position:* Engineer

*Contact\_Address:*

*Address\_Type:* Mailing and Physical

*Address:* 8250 OLD MONTGOMERY RD

*City:* Ellicott City

*State\_or\_Province:* MD

*Postal\_Code:* 21043

*Country:* United States

*Contact\_Voice\_Telephone:* (410) 313-4990

*Contact\_Facsimile\_Telephone:* (410) 313-4919

*Contact\_Electronic\_Mail\_Address:* unknown

*Hours\_of\_Service:* 8:00am - 5:00pm, Monday through Friday

*Contact\_Instructions:* phone call

*Browse\_Graphic:*

*Browse\_Graphic\_File\_Name:* Unavailable

*Browse\_Graphic\_File\_Description:* Unavailable

*Browse\_Graphic\_File\_Type:* Unavailable

*Data\_Set\_Credit:* Howard County GIS Division and Bureau of Utilities

*Native\_Data\_Set\_Environment:*

This data set is currently maintained using Mapinfo and Mapinfo redistricting software.

Native File Name: SewerPlanServiceArea.TAB File Size: 453 KB

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:*

Quality controlled by the GIS Division and the Bureau of Utilities

*Logical\_Consistency\_Report:* No official reports exist.

*Completeness\_Report:* The data set is complete visual quality control

*Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy\_Report:*

The scale of the Election Precincts is 1:2400 or 1"=200' based on the census blocks. Therefore, the boundaries, may be +/- 6 feet off from the real world location.

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:*

Howard County Government. Howard County, Maryland.  
Department of Technology and Communications, The  
Geographic Information Systems (GIS) Division.

*Publication\_Date:* 2004

*Publication\_Time:* Unknown

*Title:* Sewer Planned Service Area

*Edition:* None

*Geospatial\_Data\_Presentation\_Form:* Map: Vector Digital Data

*Publication\_Information:*

*Publication\_Place:* Howard County, Maryland

*Publisher:*

Howard County Government. Howard County,  
Maryland. Department of Technology and  
Communications, The Geographic Information  
Systems (GIS) Division.

*Source\_Scale\_Denominator:* 2400

*Type\_of\_Source\_Media:*

CD-Rom Floppy Disk

*Source\_Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Single\_Date/Time:*

*Calendar\_Date:* 2004

*Time\_of\_Day:* Unknown

*Source\_Currentness\_Reference:* Current Cadastral Data at time of creation

*Source\_Citation\_Abbreviation:* HOCOUTL

*Source\_Contribution:* Data layer creation.

*Process\_Step:*

*Process\_Description:*

A Utilities engineer worked with the GIS Division to create sewer planned service regions using the property (cadastral) layer. The county uses the master service plan as a guide, and makes calculations that would allow for sewer expansion in future years. The software used was Microstation.

*Source\_Used\_Citation\_Abbreviation:* HoCoGIS

*Process\_Date:* 1993

*Source\_Produced\_Citation\_Abbreviation:* HoCoGIS

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Ted Chiang

*Contact\_Organization:* Howard County, Department of  
Public Works, Bureau of Utilities

*Contact\_Position:* Engineer

*Contact\_Address:*

*Address\_Type:* Mailing and Physical

*Address:* 8250 OLD MONTGOMERY RD

*City:* Ellicott City

*State\_or\_Province:* MD

*Postal\_Code:* 21043

*Country:* United States

*Contact\_Voice\_Telephone:* (410) 313-4990

*Contact\_Facsimile\_Telephone:* (410) 313-4919

*Contact\_Electronic\_Mail\_Address:* Unknown

*Hours\_of\_Service:* 8:00am - 5:00pm

*Contact\_Instructions:* Phone Call

*Process\_Step:*

*Process\_Description:*

The GIS Division converted the Microstation file to Mapinfo and added attribution to the areas. The Bureau of Utilities, and the GIS Division then worked together to update the Mapinfo file.

*Source\_Used\_Citation\_Abbreviation:* HoCoUTL

*Process\_Date:* 1993

*Source\_Produced\_Citation\_Abbreviation:* HoCoGIS

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Ted Chiang

*Contact\_Organization:* Howard County, Department of  
Public Works, Bureau of Utilities

*Contact\_Position:* Engineer

*Contact\_Address:*

*Address\_Type:* Mailing and Physical

*Address:* 8250 OLD MONTGOMERY RD

*City:* Ellicott City

*State\_or\_Province:* MD

*Postal\_Code:* 21043

*Country:* United States

*Contact\_Voice\_Telephone:* (410) 313-4990

*Contact\_Facsimile\_Telephone:* (410) 313-4919

*Contact\_Electronic\_Mail\_Address:* Unknown

*Hours\_of\_Service:* 8:00am - 5:00pm

*Contact\_Instructions:* Phone Call

*Spatial\_Data\_Organization\_Information:*

*Indirect\_Spatial\_Reference:*

Howard County, Maryland 2004 includes portions of Interstate 70 (RT 70), 95 (RT 95), 895 (RT 895), and Route 1 (Washington BLVD).

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* g-polygon

*Point\_and\_Vector\_Object\_Count:* 626

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*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Lambert Conformal Conic

*Lambert\_Conformal\_Conic:*

*Standard\_Parallel:* 38.300000

*Longitude\_of\_Central\_Meridian:* -77.000000

*Latitude\_of\_Projection\_Origin:* 37.666667

*False\_Easting:* 1312333.333000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* coordinate pair

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 0.000256

*Ordinate\_Resolution:* 0.000256

*Planar\_Distance\_Units:* U.S. Foot

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1983

*Ellipsoid\_Name:* Geodetic Reference System of 1980

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* Sewer Planned Service Areas

*Entity\_Type\_Definition:*

Boundaries of properties receiving sewer service, and areas where and when service will be expanded.

*Entity\_Type\_Definition\_Source:* user defined

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:* Internal Feature Number

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Range\_Domain:*

*Range\_Domain\_Minimum:* 0

*Range\_Domain\_Maximum:* 0 - 625 (626) (The total number of planned sewer areas)

*Attribute:*

*Attribute\_Label:* SERVICEARE

*Attribute\_Definition:* Time frame of sewer service

*Attribute\_Definition\_Source:* User defined

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* number

*Codeset\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* SHAPE

*Attribute\_Definition:* feature geometry description

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* geometry

*Codeset\_Source:* ESRI

*Attribute:*

*Attribute\_Label:* NO

*Attribute\_Definition:* number description

*Attribute\_Definition\_Source:* User defined

*Attribute\_Domain\_Values:*

*Codeset\_Domain:*

*Codeset\_Name:* string

*Codeset\_Source:* ESRI

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*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Robert Slivinsky

*Contact\_Organization:* Howard County, GIS Division

*Contact\_Position:* GIS Analyst

*Contact\_Address:*

*Address\_Type:* Mailing and Physical

*Address:* 3450 Court House Dr

*City:* Ellicott City

*State\_or\_Province:* MD

*Postal\_Code:* 21043

*Country:* United States

*Contact\_Voice\_Telephone:* 410-313-3094

*Contact\_Facsimile\_Telephone:* 410-313-3211

*Contact\_Electronic\_Mail\_Address:* rslivinsky@co.ho.md.us

*Hours\_of\_Service:* 7:30am-4:30pm

*Contact\_Instructions:* Phone call or email

*Resource\_Description:* Offline Data

*Distribution\_Liability:*

The distributor assumes no liability. A license agreement must be signed before taking delivery of the data. Please see the license agreement for detailed liability information.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* ESRI .shp

*Format\_Version\_Number:* 9.0

*File-Decompression\_Technique:* Compressed (Zip) Folder by Microsoft XP Operating System

*Transfer\_Size:* .43

*Digital\_Transfer\_Option:*

*Offline\_Option:*

*Offline\_Media:* CD-ROM

*Recording\_Format:* Compressed Zip (ESRI .shp)

*Fees:* None

*Ordering\_Instructions:*

Not readily available to the public.

Government entities, or county contractors may contact the contact person to request this data set. The user must sign and adhere to a license agreement.

If the user is local, he or she may sign the license agreement, then the data will be transferred via a CD.

The user mail email or call the contact. The contact will fax a license agreement to

the user. The user is to sign and fax the agreement back to the contact. The contact will then email the data or mail the data on a CD to the user.

*Turnaround:*

Within immediately via fax and email, or with a few days with standard mail.

*Custom\_Order\_Process:* See ordering instructions

*Technical\_Prerequisites:*

The user must be able to operate a standard computer and know how to use ESRI.

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 2004/09/24

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Robert Slivinsky

*Contact\_Organization:* Howard County, GIS Division

*Contact\_Position:* GIS Analyst

*Contact\_Address:*

*Address\_Type:* Mailing and Physical

*Address:* 3450 Court House Dr

*City:* Ellicott City

*State\_or\_Province:* MD

*Postal\_Code:* 21043

*Country:* United States

*Contact\_Voice\_Telephone:* 410-313-3094

*Contact\_Facsimile\_Telephone:* 410-313-3211

*Contact\_Electronic\_Mail\_Address:* rslivinsky@co.ho.md.us

*Hours\_of\_Service:* 7:30am - 4:30pm

*Contact\_Instructions:* Phone call or email

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Access\_Constraints:* None

*Metadata\_Use\_Constraints:* None

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://biology.usgs.gov/fgdc.metadata/version2/>>

*Profile\_Name:*

USGS - An Image Map of the Content Standard for Digital Geospatial Metadata

*Metadata\_Language:* English

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