



# MSGIC April 2016 WASHINGTON COUNTY GIS

Bud Gudmundson, GISP, GIS Manager, Washington County GIS Office

## **GIS OFFICE**

- Bud Gudmundson gisp— GIS Manager
- Joe Rathvon GISP—GIS Database Administrator
- Bonn Poland GISP GIS Specialist
- Enterprise GIS Concept
- Established 2006
- Division of Information Systems
  - Department of Information Technology

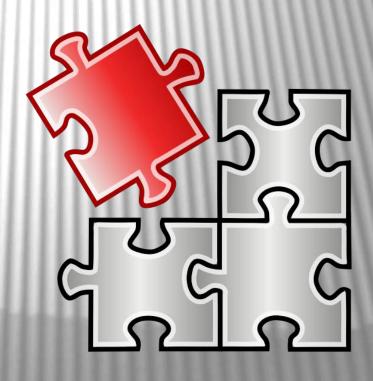


## ENTERPRISE GIS FRAMEWORK / STAFF

- Planning & Zoning 3 fulltime
- Engineering & Construction 1 fulltime
- Environmental Management 2 part-time
- Emergency Services 1 part-time
- Sheriff 1 part-time
- Business Development 1 part-time
- Metropolitan Planning Org. 1 part-time

# OTHER INTERNAL DEPARTMENTS SUPPORTED

- Permitting
- Plan Review
- Highways
- Transit
- Parks
- Recreation
- Public Relations
- Airport
- All Other Departments



## EXTERNAL AGENCY ASSISTANCE

- Health Department
- Washington County Public Schools
- Tax Assessment
- Election Board
- Local Volunteer Fire & Ambulance Companies
- Bester Community of Hope
- Soil Conservation
- Hagerstown Community College



## ARCGIS SOFTWARE

- 1 Server
- 5 Desktop Advanced
- 5 Desktop Standard
- 4 Desktop Basic (Concurrent)
- 13 Desktop Basic (Single Use)
- 2 Spatial Analyst
- 1 Network Analyst
- 1 Publisher
- 1 3D Analyst
- 1 Trimble Terrasync



# Washington County MARYLAND



### GOVERNMENT

### **SERVICES**

### COMMUNITY

### HOW DO I



**Bid Invitations** 

E-George -Online Services

Purchasing

Engineering



Document Center (coming soon)



Road Work Plans & Updates Report a Roadway Problem



County Parks Info, Pavilion Rentals



Register to Vote? Where is my Polling Place?



GIS - Maps, Addresses, Zoning & More



Transit Info, Schedules, Routes



County Government Calendar



Job Listing



Liquor License -Info & Applications



What-Where-When? -Notification Center



Zoning Appeals -Agendas & Results



Recreation Program Brochure



Building Permits -Application & Status Check

Citizen Self-Serve -

Inquiry & Online

**Payments** 

# Washington County MARYLAND



#### GOVERNMENT

#### **SERVICES**

#### COMMUNITY

#### HOW DO I



















**County Home** Page



Online Permitting - Application & Status Check



Public Transit -County Commuter Info



Citizen Self-Serve Online Inquiry & **Payments** 



Notification Sign

#### **Department of Information Technology GIS Office**

**GIS Home** 

Get Data

About GIS

IT Home

**County Administration Building** 100 West Washington Street 3rd Floor, Room 331 Hagerstown, MD 21740 GIS Office: 240-313-2275 IT Main Line: 240-313-2260 FAX: 240-313-2261

#### Staff:

Bud Gudmundson , GIS Manager general information, intergovernmental coordination, public relations, users groups, data fee exemptions 240-313-2277

Joe Rathvon , GIS Database Administrator technical questions, server issues, web map problems, software installs, data loading 240-313-2278



Bonn Poland, GIS Specialist technical questions, data sales, help desk, engineer's contact, special projects 240-313-2279

### Hagerstown/Washington County

Washington County Planning Department GIS page http://www.washco-md.net/planning/gis\_general.shtm

City of Hagerstown, MD

http://www.hagerstownmd.org/

City of Hagerstown Engineering Dept maps

http://www.hagerstownmd.org/index.aspx?nid=250

City of Hagerstown Planning Department

http://www.hagerstownmd.org/index.aspx?NID=754

Washington County Public Schools

http://www.wcps.k12.md.us/

Washington County Public Schools boundary maps

http://www.wcps.k12.md.us/our\_schools/boundary\_maps/

### Maryland

**Surrounding Counties** 

Region

Other / Miscellaneous

Home

Commissioners Menu County Administrator

Online Permitting

County Ordinances

Recreation & Fitness

Health & Human Services

Job Postings

County Commuter

Online Inquiry & Payment About Washington County

About Our Towns

Washington County Free Library

City of Hagerstown

Washington County Liquor Board

Washington County Public Schools Hagerstown Community College

Tourism Information

MD Public Records

State of Maryland

Maryland 211

Maryland State Highway Admin.

MD Department of Transportation

MD Motor Vehicle Administration

Maryland Job Service

Social Services

Register of Wills

Red Cross, Washington Co

Fire & Rescue

Hagerstown City Police

Maryland State Police

Local Emergency Planning Comm.

Washington Co. Sheriff's Office

Wash. Co. Vol. Fire & Rescue Assn.

Wash. Co. Soil Conservation District

# Department of Information Technology GIS Office

**GIS Home** 

Maps

**Get Data** 

About GIS

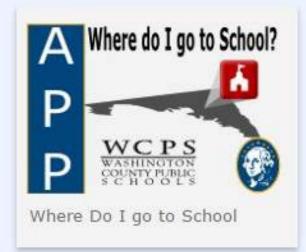
IT Home



Zoning & Parcel Lookup



County Reference Map





# Department of Information Technology GIS Office

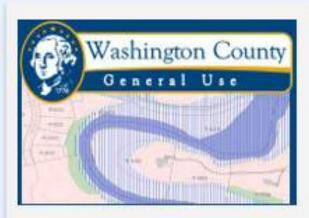
**GIS Home** 

Maps

**Get Data** 

About GIS

IT Home



Washington County







## **Department of Information Technology GIS Office**

**GIS Home** 

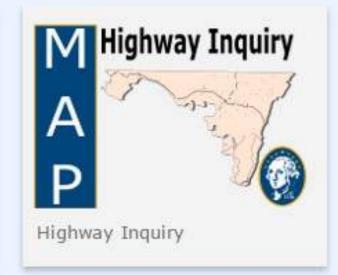
Maps

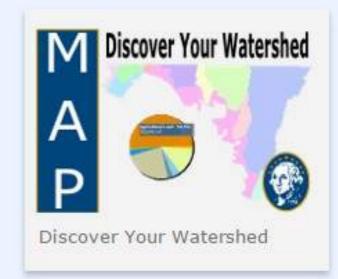
**Get Data** 

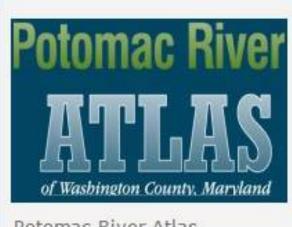
About GIS

IT Home

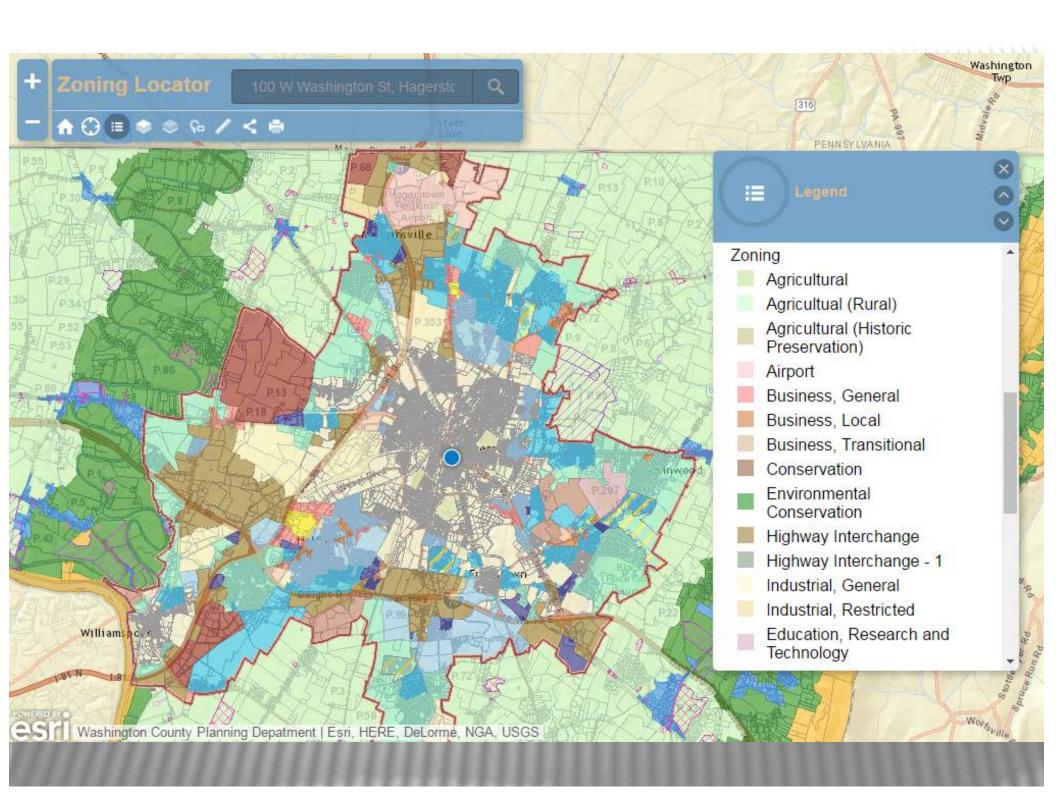


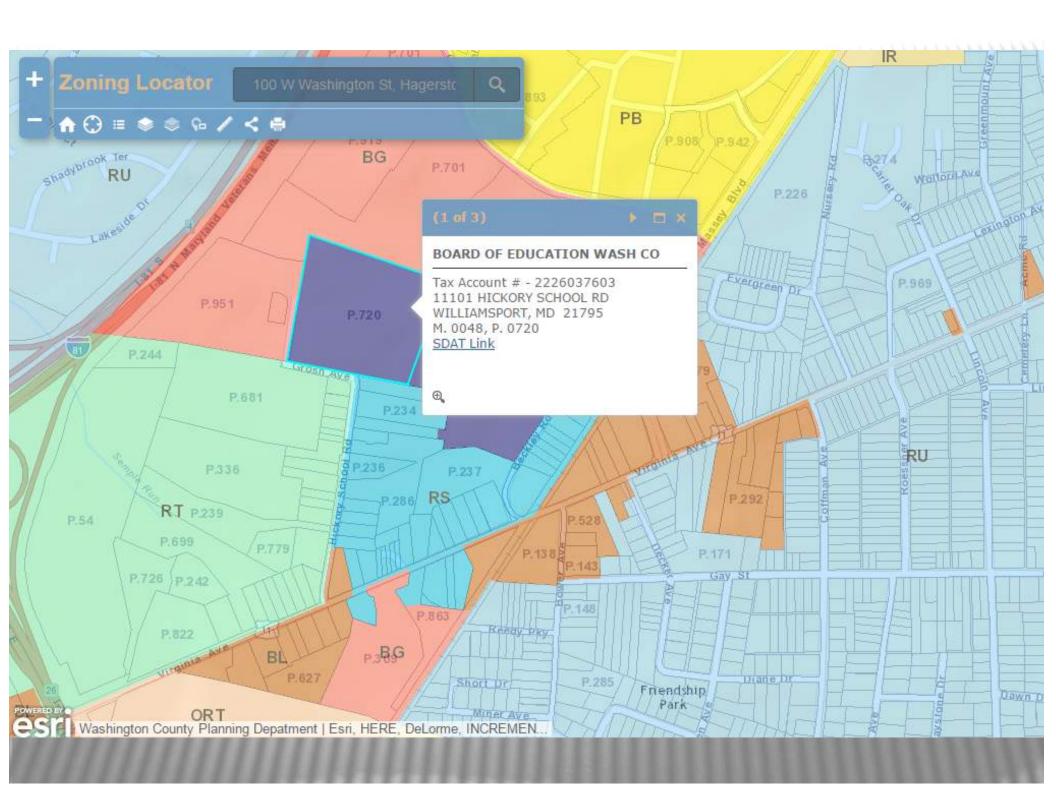






Potomac River Atlas







HOME ABOUT REAL PROPERTY BUSINESSES FORMS & APPLICATIONS STATS & REPORTS SERVICES

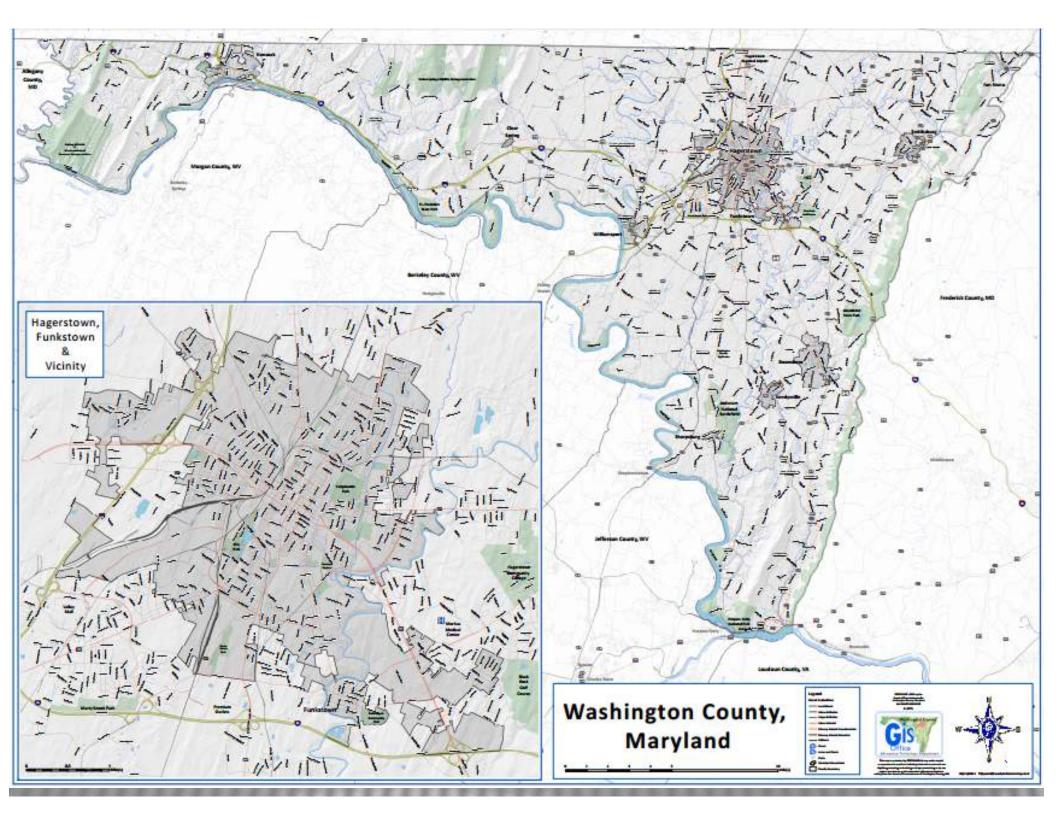
Guide to searching the database  $\overline{z}$ 

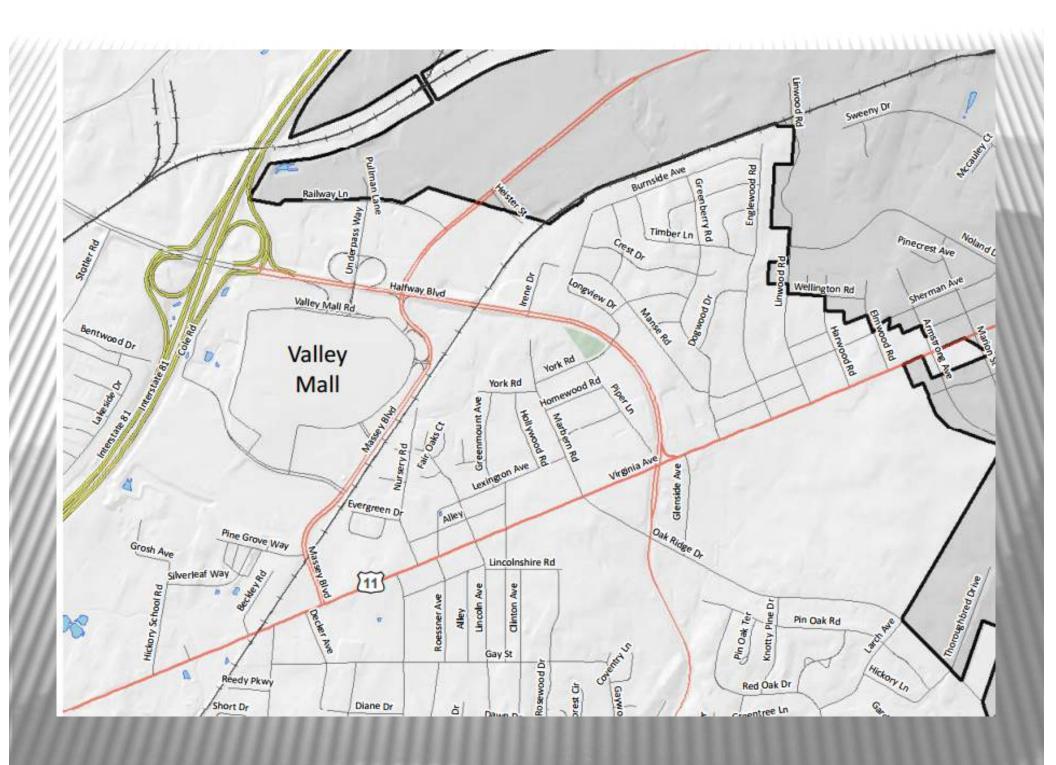
View Map			View GroundRent Redemption View GroundRent Registration										
Account	Identifi	er.	District	- 26 Account Num									
				100000	er inform	manufacture.							
Mailing Address: 1043			BOARD	BOARD OF EDUCATION WASH CO			Use: Principal Residence:			EXEMPT COMMERCIAL NO			
			10435 DOWNSVILLE PIKE HAGERSTOWN MD 21740-0000			Deed Refe			/01482/ 00825				
				Location &	Structure	Information	ii)						
Premises Address:		11101 HICKORY SCHOOL RD WILLIAMSPORT 21795-0000			Legal Description:			12.73 ACRE 11101 HICKORY SCHOOL RD HICKORY ELEMENTARY SCHOO					
Мар:	Grid:	Parcel:	Sub District:	Subdivision:	Section	: Block:	Lot:	Assessn Year:	nent	Plat No:	5927		
0048	0018	0720		0000				2015		Plat Ref:			
Special Tax Areas:			Town: Ad Valo			NONE prem:							
					Tax CI	ass:							
Primar 1975	\$truct	ure Built	Above Grad 39571	ie Enclosed Area	Finish	ed Basemen	t Area	Propert 12.7300	y Land Are	a Coun	ty Use		
Stories	Bas	sement	Type ELEMENTAR		xterior	Full/Half B	lath	Garage	Last Maj	or Renova	tion		
					ue Inform	ation							
		Base Value		Value Pha			se-in Assessments						
				As of 01/01/2015			As of 07/01/2015		As of 07/01/2016				
Land:		572,800		572,800									
Total:	ements		3,795,900 4,368,700		4,395,600 4,968,400		4.60	4.568.600		4.768.500			
	ntial La	nd:	0	50,700	4,900,4	50	4,26	00,000	0	00,500			
			80	Trans	ster Inform	nation			- 80				
Seller:	91			Date:				Price:					
Type:				Deed	1;			Deed2					
Seller:				Date:				Price:					
Type:				Deed	1:			Deed2					
Seller:				Date:				Price:					
туре:				Deed	is:			Deed2	1				
				Exem	ption info	mation							
	xempt A	ssessmen				07/01/2019			11/2016				
County:		440 440		4,568,600.00 4,568,600.00			4,76						
State: Municip	al-		440			4,568,600	uo		8,500.00				
Tax Ex			440		al Tax Red			0.00	40.00				
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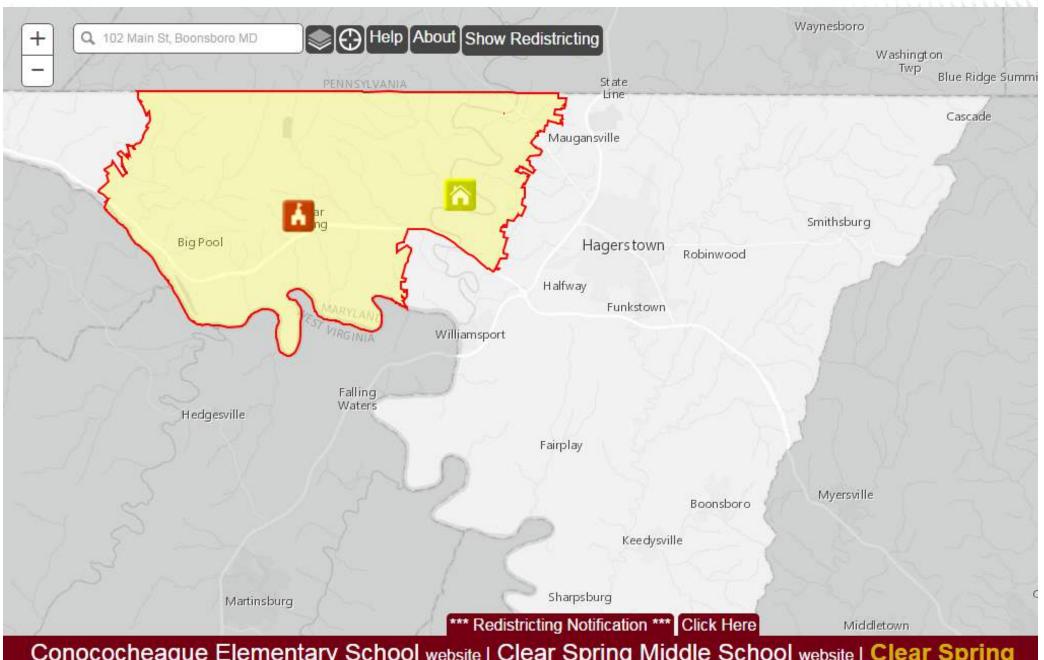
- 1. This screen allows you to search the Real Property database and display property records.
- 2. Click here for a glossary of terms
- 3. Deleted accounts can only be selected by Property Account Identifier.
- 4. The following pages are for information purpose only. The data is not to be used for legal reports or documents. While we have confidence in the accuracy of these records, the Department makes no warranties, expressed or implied, regarding the information.

Use	Lot Area	Lot Width	Lot Area Per Family	Front Yard Depth	Side Yard (Width Each Side Yard)	Rear Yard Depth	Maximum Density
Multi-Family Dwellings, Apartment, Condominiums	20,500 sq. ft.	100 ft.	2,000 sq. ft.	25 ft.	10 ft.	20 ft.*	12 Dwelling Units Per Acre
Town Houses Per Unit	1,600 sq. ft.	16 ft.	1,600 sq. ft./unit		N/A Except End	20 ft.*	12 Dwelling Units Per Acre
Per Development	5 acres	100 ft.	3,500 sq. ft. net per unit	25 ft.	Units 10 ft. or 25 ft. on corner lot*		
Single-Family	7,500 sq. ft.	60 ft.	7,500 sq. ft.	20 ft.	8 ft.	35 ft.	N/A
Two-Family	10,000 sq. ft.	70 ft.	5,000 sq. ft.	20 ft.	8 ft.	35 ft.	N/A
Semi-Detached	5,000 sq. ft.	35 ft.	5,000 sq. ft.	20 ft.	10 ft.(Ext. only)	40 ft.	N/A
Existing Buildings Converted to Residential Use	20,500 sq. ft.	100 ft.	2,000 sq. ft.	25 ft.	10 ft.*	20 ft.*	12 Dwelling Units Per Acre
Places of worship, Schools and Colleges	20,000 sq. ft.	100 ft.		25 ft.	20 ft.	40 ft.	N/A
Cultural, Civic, Educational, Social or Community Service Buildings	20,000 sq. ft.	100 ft.		25 ft.	20 ft	40 ft.	N/A
	1		12	2	-		

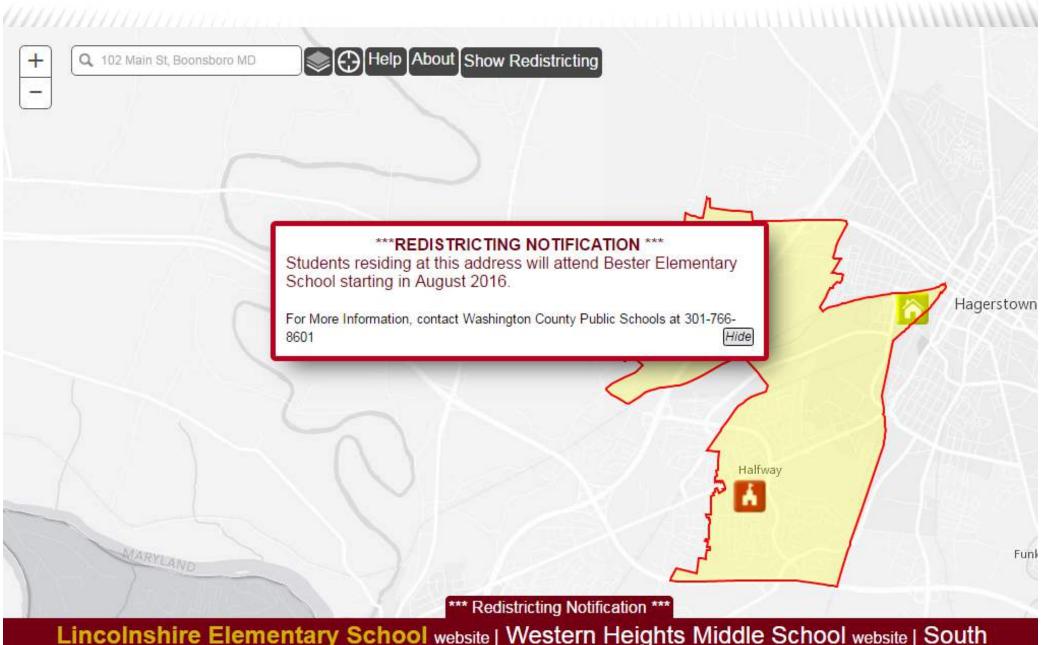
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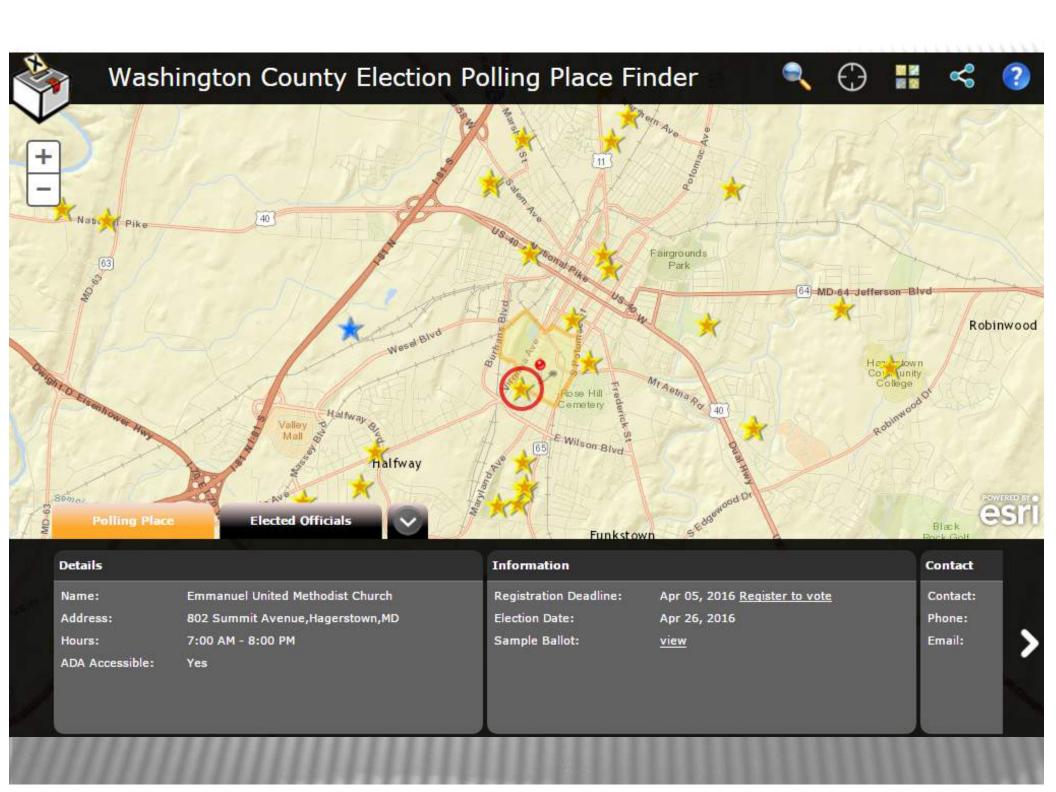


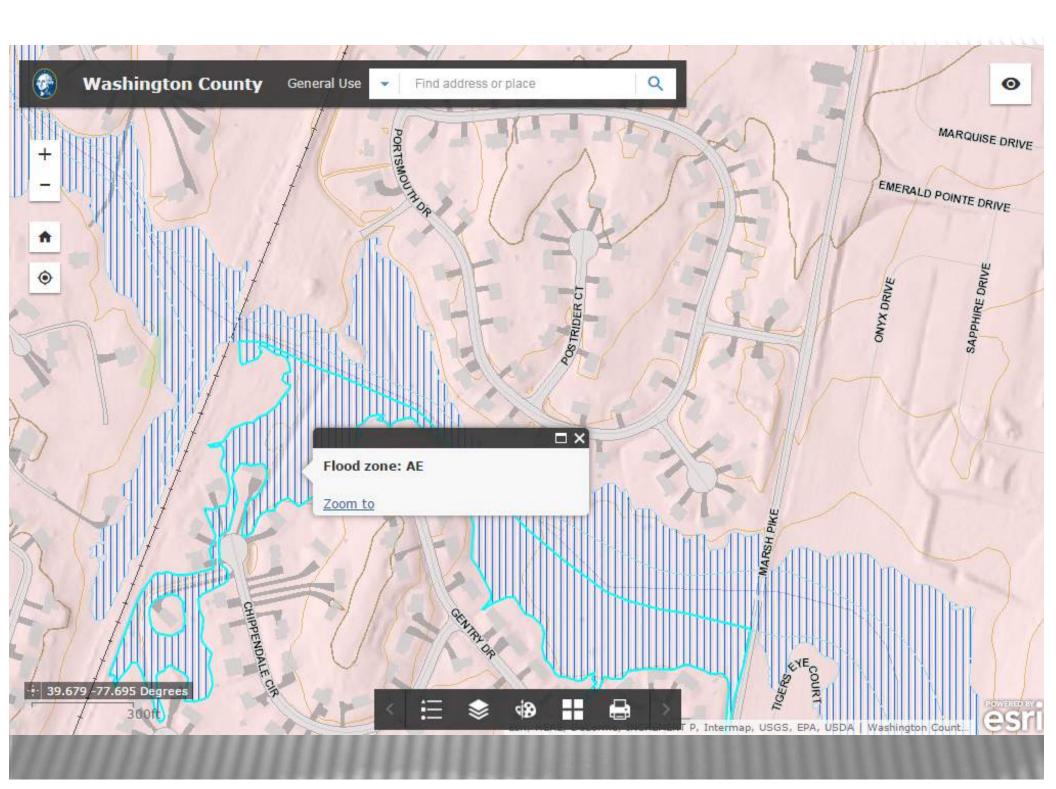


Conococheague Elementary School website | Clear Spring Middle School website | Clear Spring High School website | Clear Map

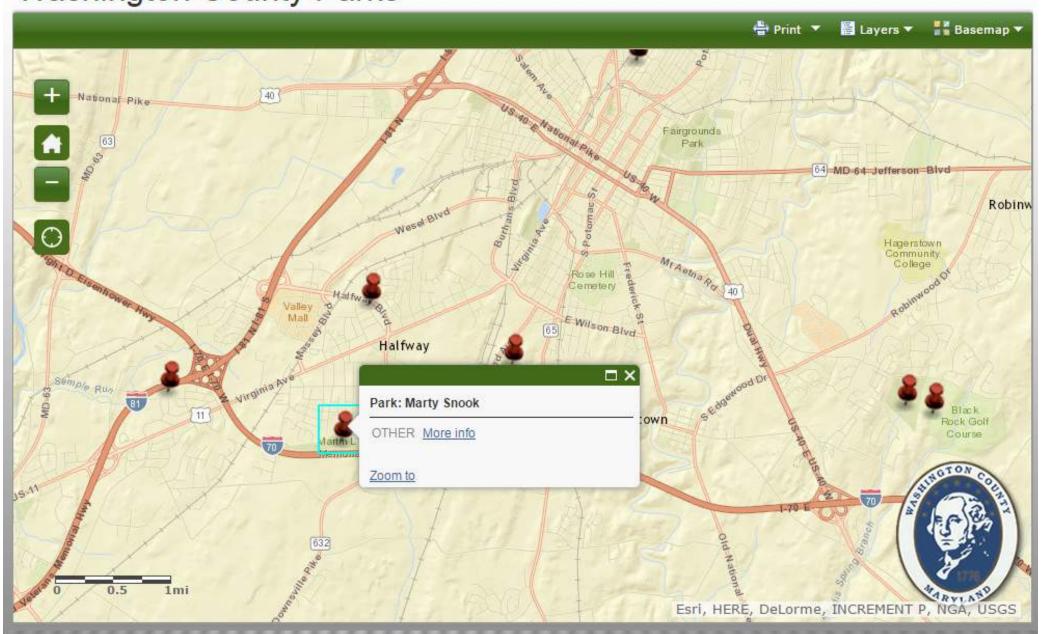


Lincolnshire Elementary School website | Western Heights Middle School website | South Hagerstown High School website | Clear Map





# Washington County Parks



# Martin "Marty" L. Snook Memorial Park and Swimming Pool

17901 Halfway Boulevard Hagerstown, MD 21740

#### Pool Fees:

- Pre-K: \$1.50
- K 17: \$3.00
- Adults: \$3.50
- Senior Citizens: \$3.00

#### Season Passes:

- Children 5 17 years: \$75
- Adults: \$100
   Family: \$150

**Pool Socials:** The pool is available from 6:30-8:30 PM, by reservation only, for pool socials.

Rates are as follows:

- 0-25 persons: \$140
  26-50 persons: \$140
  51-75 persons: \$140
  76-100 persons: \$200
- 101-125 persons: \$200
   426 450 persons: \$200
- 126-150 persons: \$200

Arrangements for season passes and pool socials can be made by calling the Washington County Parks and Facilities Department at 240-313-2710.



Martin L. Snook Swimming Pool is open from 12:00-6:00 PM daily, from Memorial Day weekend through Labor Day.

For ball field rentals, contact David Brooks at 240-313-2807

Fields are rented by the hour or can be booked for weekend tournament use.

#### Park Amentities:

- 4 Picnic Pavilions
- Accessible Playscape Equipment
- Restrooms
- Picnic Tables
- Grills
- Drinking Fountains
- 25 Meter Swimming Pool
- 3 Regulation Softball Fields (2 Lighted)
- Senior, Little & Minor League Baseball Complex (1 Little League Field Lighted)
- 2 Lighted Double Tennis Courts
- 2 Basketball Court
- 2 Multi-purpose Fields for Soccer, Football, Rugby or Lacrosse
- · Par Course Fitness Trail
- Bike Path
- Volleyball Courts
- Horseshoe Pits
- Parking

The official park season runs from the first Saturday in May through the last Sunday in October, from 9:00 AM until sunset. Walk-in access is permitted year-round.

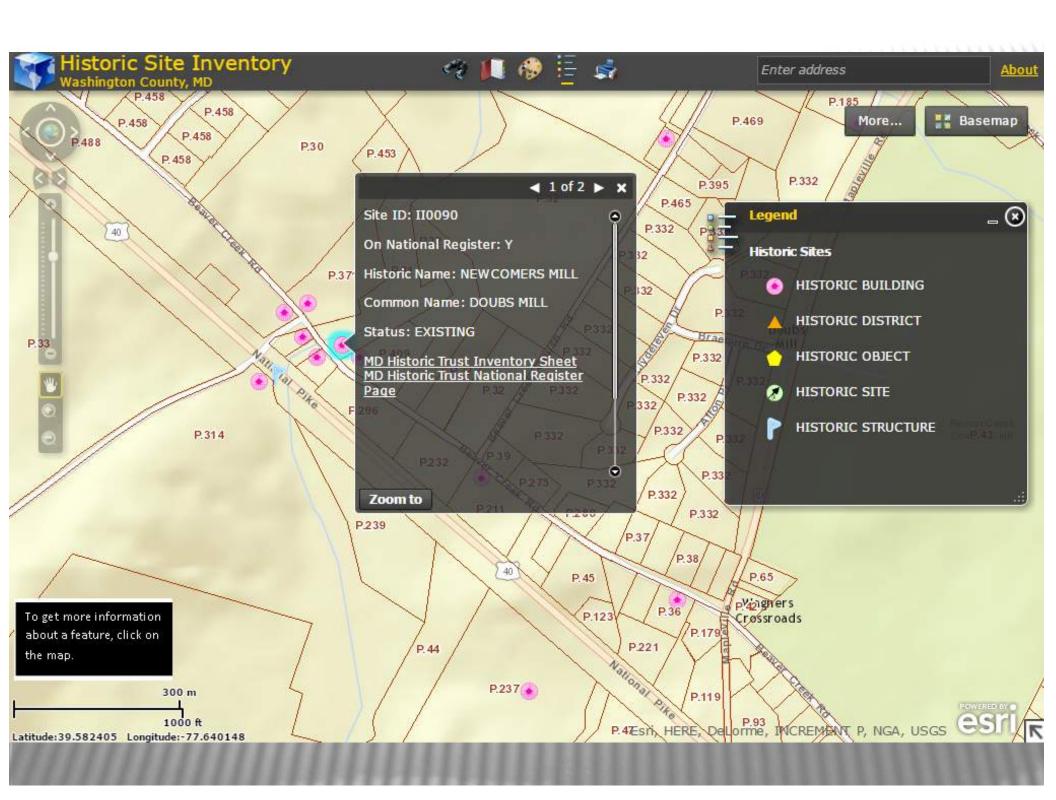




Photo credit: Paula Stoner Dickey, 03/1974

Description: The Doub's Mill complex is located near the village of Beaver Creek on Beaver Creek Road, east of Hagerstown. The buildings, dating from the 18th and 19th centuries, are clustered around the mill, which stands on the east bank of Beaver Creek. The settlement which consists for the most part of stone structures, is located at a point where Beaver Creek passes under Beaver Creek Road near its intersection with Cool Hollow Road. The complex is set among rolling hills with many limestone outcroppings. The complex consists of the mill itself, a shop, a late 18th century house, an early 19th century house, a late 19th or early 20th century dwelling, an early 19th century tenant house, and two late 18th or early 19th century farm complexes. The mill is a large

### **Doub's Mill Historic District**

Inventory No.: WA-II-090 Date Listed: 10/1/1979

Location: Beaver Creek Road, Hagerstown, Washington

County

Category: District

Period/Date of Construction: Late 18th-mid 19th century

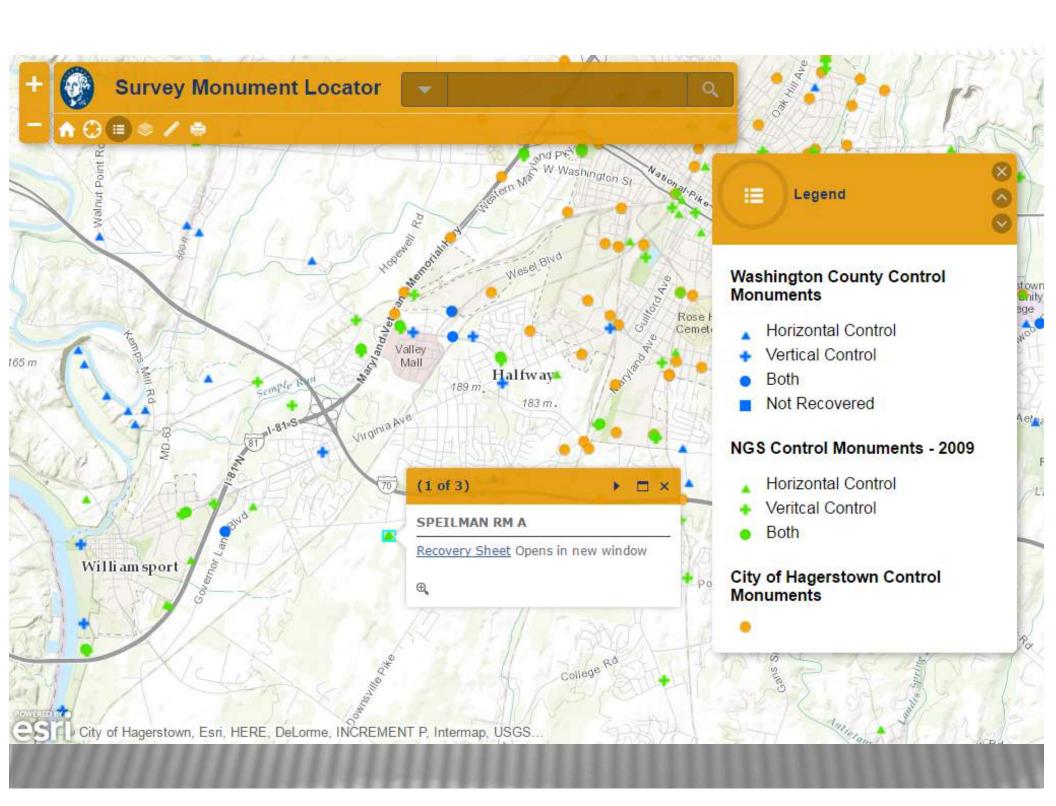
Open National Register Form



Show Boundary Map

Significance: The Doub's Mill complex consists of a group of late 18th and early 19th century buildings clustered around the large stone grist mill. The significance of the group is twofold. First, the Doub's Mill and surrounding structures illustrate the importance of the grist milling industry to the 18th and 19th century economy of Washington County and the surrounding area. Numerous grist and saw mills were in use along the Antietam, Beaver, and other creeks in the county during the 18th century. A grist mill is depicted on the site of Doub's Mill on 1794, 1808, and 1859 maps of the area. The second significant aspect of the Doub's Mill district is the use of stone construction. All of the major structures included in the district are built of native limestone. The practice of building with local limestone

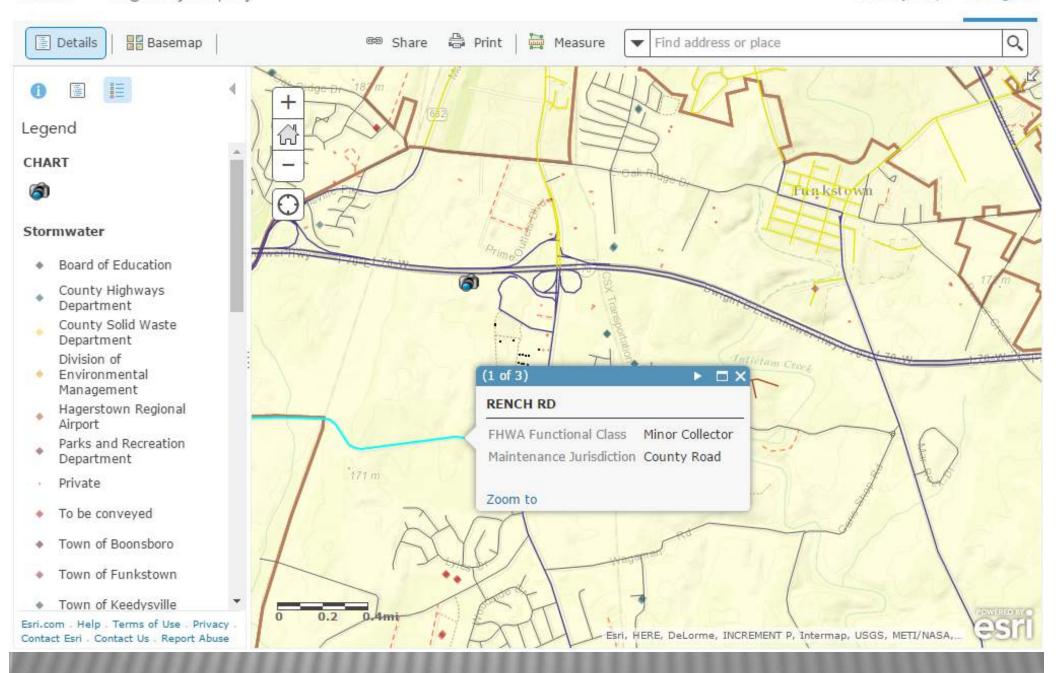




#### The NGS Data Sheet

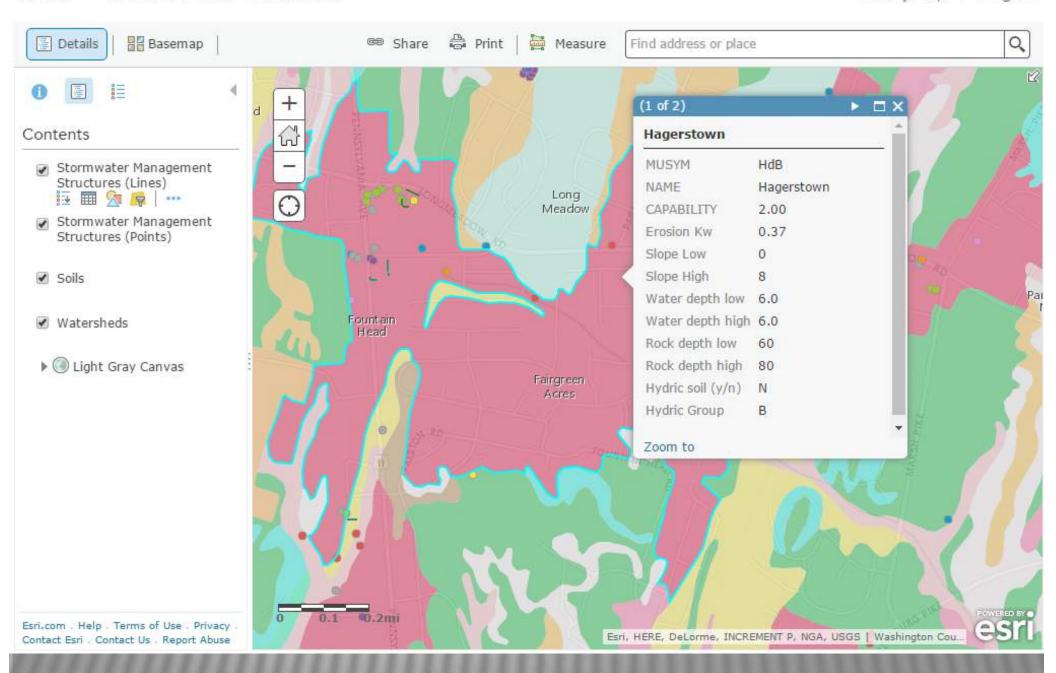
See file dsdata.txt for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.8
       National Geodetic Survey, Retrieval Date = APRIL 19, 2016
JV4741 DESIGNATION - SPEILMAN RM A
            - JV4741
JV4741 PID
JV4741 STATE/COUNTY- MD/WASHINGTON
JV4741 COUNTRY - US
JV4741 USGS QUAD - WILLIAMSPORT (1979)
JV4741
JV4741
                            *CURRENT SURVEY CONTROL
JV4741
JV4741* NAD 83(1991) POSITION- 39 36 02.53730(N) 077 46 28.61475(W) ADJUSTED
JV4741* NAVD 88 ORTHO HEIGHT - 181.8 (meters) 596. (feet) VERTCON
JV4741
JV4741 GEOID HEIGHT - -34.182 (meters)
                                                              GEOID12B
                            3.45 (seconds)
JV4741 LAPLACE CORR -
                                                              DEFLEC12B
JV4741 HORZ ORDER - FIRST
JV4741
JV4741. The horizontal coordinates were established by classical geodetic methods
JV4741.and adjusted by the National Geodetic Survey in January 1992.
JV4741. The NAVD 88 height was computed by applying the VERTCON shift value to
JV4741.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
JV4741
JV4741.Significant digits in the geoid height do not necessarily reflect accuracy.
JV4741.GEOID12B height accuracy estimate available here.
JV4741
JV4741. The Laplace correction was computed from DEFLEC12B derived deflections.
JV4741. The following values were computed from the NAD 83(1991) position.
JV4741
JV4741;
                        North
                                     East
                                             Units Scale Factor Converg.
JV4741; SPC MD - 214,978,254 333,467,763 MT 1.00002984 -0 29 10.2
JV4741; SPC MD - 705,307.82 1,094,052.15 sFT 1.00002984 -0 29 10.2
JV4741; SPC WV N - 123,620.013 748,173.975 MT 0.99994084 +1 06 01.5
JV4741; SPC WV N - 405,576.66 2,454,634.12 sFT 0.99994084 +1 06 01.5
JV4741;UTM 18 - 4,387,119.395 261,768.314 MT 1.00029880 -1 46 10.1
JV4741
                  - Elev Factor x Scale Factor = Combined Factor
JV4741!
```



#### Home ▼ Discover Your Watershed

Modify Map 🚨 Sign In





Take our maps with you using the Avenza PDF Maps app for Phone or Android.

Get our maps | Get the app

GIS Maps by Bonn A. Poland IV, Design by Icon Graphics

# Potomac River ATLAS

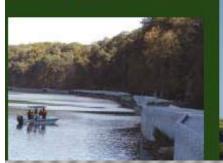
of Washington County, Maryland



## Welcome to the Online Potomac River Atlas

The Potomac River, and the natural beauty of this part of Western Maryland, is a magnet for visitors and

next ma



residents alike. Thank you for visiting and being in Washington County, home to five national parks, eight state parks, over thirty museums, first-rate shopping (including Hagerstown

Premium Outlets), and a lot a more. Learn more about Hagerstown-Washington County, or spend some time here, learning more about our beautiful Potomac River.

View the Legend

Learn what the symbols used throughout the atlas

stand for.

00000000

Open the legend »

### **Take it Mobile**

Take our maps with you using the Avenza PDF Maps app for iPhone or Android.

Get our maps » Get the app »

Receive updates to the maps, website, and local news.



Stay Updated













#### Sources

ESRI Terrain & Streets basemaps
OpenStreetMap org
National Geographic basemap via ESRI
Maryland DNR
West Virginia DNR
WesternMDRailTrail org
American Whitewater Organization
WV GIS Technical Center
Frederick County, MD GIS
Berkeley County, WV GIS
Jefferson County, WV GIS
Jefferson County, VA GIS
United States Geological Survey (USGS)
National Hydrography Data set (NHD)
Geographic Names Information System (GNIS)
Appalachian Trail Conservancy
C&O Canal Trust
National Park Service
US Fish & Wildlife Service, NCTC

#### Disclaimer of Endorsement

Reference herein to any specific commercial products, process, or service by trade name, trademark, manufacturer, or otherwise, does not constitute or imply its endorsement, recommendation, or favoring by Washington County. The views and opinions of authors expressed herein do not state or reflect those of Washington County, and shall not be used for advertising or product endorsement purposes.

#### Credits/Special Thanks

Larry Ganoe
Harold Gist
Sara Greaves
Bud Gudmundson
Kevin Jackson
Sarah Kozal
Kelly Morris
Bonn A. "Buzz" Poland III
Tom Riford
Joe Rathyon

Paid for by the <u>Hagerstown-Washington County</u> Convention and Visitors Bureau Design by Icon Graphics

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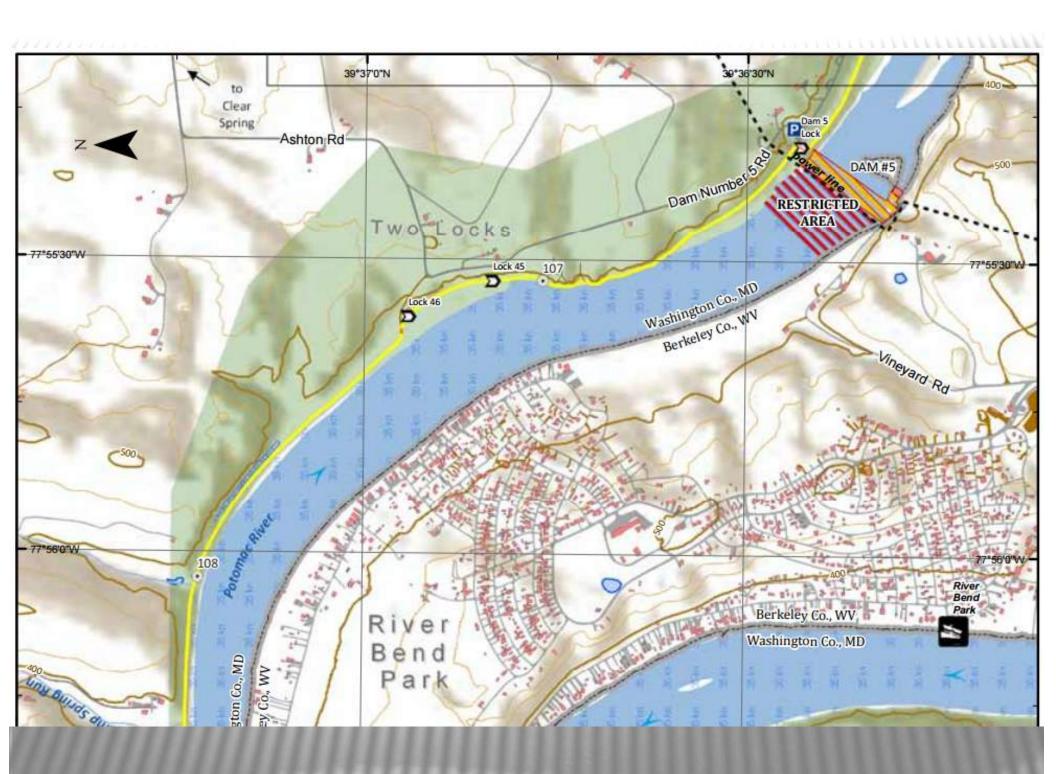
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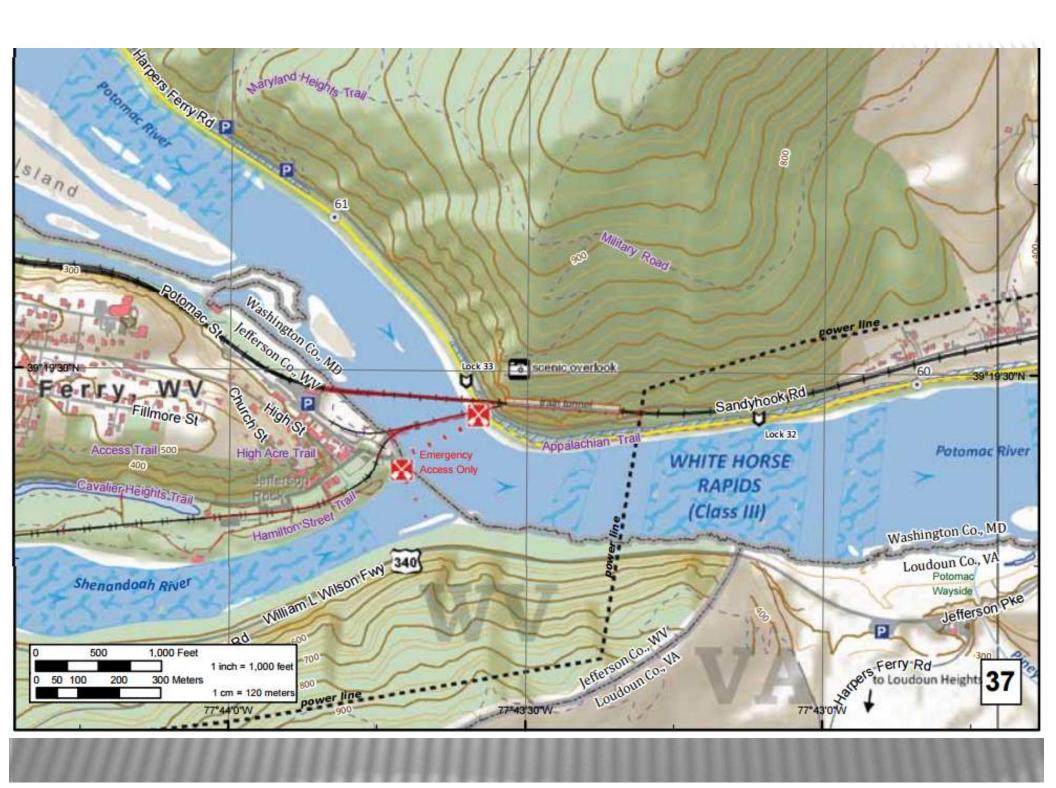
#### Disclaimer of Liability

The maps used to illustrate an atlas area and research activities occurring within the area are provided for illustrative purposes only and are not to be used for navigation, considered precise, or used in any way which would endanger lives or property.

In preparation of this atlas, every effort has been made to offer the most current, correct and clearly expressed information possible.

Nevertheless, inadvertent errors in information may occur. Washington County disclaims any responsibility for errors and/or for the accuracy of the information that may be contained herein. The information and data included in this atlas have been compiled by County staff from a variety of sources. Washington County makes no warranties or representations whatsoever regarding the quality, content, completeness, accuracy or adequacy of such information and data. In any situation where the official printed publications of Washington County differ from the text contained in this atlas, the official printed documents take precedence and control. If misleading, inaccurate or otherwise inappropriate information is brought to our attention, a reasonable effort will be made to correct or remove it.





# Department of Information Technology GIS Office

**GIS Home** 

Maps

**Get Data** 

About GIS

IT Home

### **Available Data**

For data orders, please download, complete, and submit a data order form and signed license agreement.

- Browse Availible Data
- Order Form
- License Agreement
- Tile Reference Maps
  - 2011 Photo Index
  - 2012 LiDAR Index
  - Topo/Photo Index 2005
  - Topo/Photo Index 2000
  - More Coming Soon





LICENSEE INFORMATION:



Date:

#### Spatial Data Products Order Form

INSTRUCTIONS: Send this order with the License Agreement executed by an authorized person with payment for the total amount to the address indicated. Make the payment to: Washington County Treasurer, Allow 14 days for processing.

rganization i	Name:					
thorized Pe	rson:					
one:	Email:	Email:				
dress:						
y:	State	State: Zip:				
dicant Nan	ne (If different from authorized person)					
Check prod	880 # #	Circle format request	ed			
1	PRODUCT	FORMAT	PRICE			
	Parcels - whole county, including database	DWG or GDB	FREE			
	*2012 LiDAR (whole county)	LAS	FREE			
	2012 LIDAR by tile	LAS	FREE			
	2012 DEM (whole county)	IMG	FREE			
	'2014 Orthophoto, (whole county)	MSID	FREE			
	'Historical Orthophotos (2000, 2005, 2007, 2011)	MrSID/Various	FREE			
	County-wide address attributed centerline	GDB	FREE			
	2005 Planimetry-topography	DWG or GDB	FREE			
	2000 Planimetry-topography	DWG	FREE			
	Zoning	DWG or GDB	FREE			
	County Compiled Land Use/Land Cover 2011	DWG or GDB	FREE			
	Priority Funding Areas	DWG or GDB	FREE			
	Enterprise Zones	DWG or GDB	FREE			
	Rural Legacy Easements & Area Boundary	DWG or GDB	FREE			
	Agricultural Preservation Districts	DWG or GDB	FREE			
	Fire Stations and Districts	DWG or GDB	FREE			
	"D" size plot OR GeoPDF of photo or topo (copyrighted)	Paper	\$8			
	E' size plot OD GeoDDE (converbited)	Daner	\$1B			

For ArcGIS and AutoCAD, please specify the version (9.3, 10, etc.)

\*LiDAR & Photo orders require that at least a 250gb hard drive be sent to us, due to their size.



#### WASHINGTON COUNTY INFORMATION TECHNOLOGY

100 West Washington Street, Room 334 Hagerstown, Maryland 21740-4748 Telephone: 240-313-2260

FAX: 240-313-2261 TTY Dial 711



#### WASHINGTON COUNTY DIGITAL SPATIAL DATA LICENSE AGREEMENT

THIS AGREEMENT is made by the Washington County GIS Office, Information Technology Department (the "Department") as the duly authorized representative of the Board of County Commissioners of Washington County, Maryland, a body corporate and politic and a subdivision of the state of Maryland (the "County"), and the Licensee of digital spatial data ("DSD") set forth below ("Licensee").

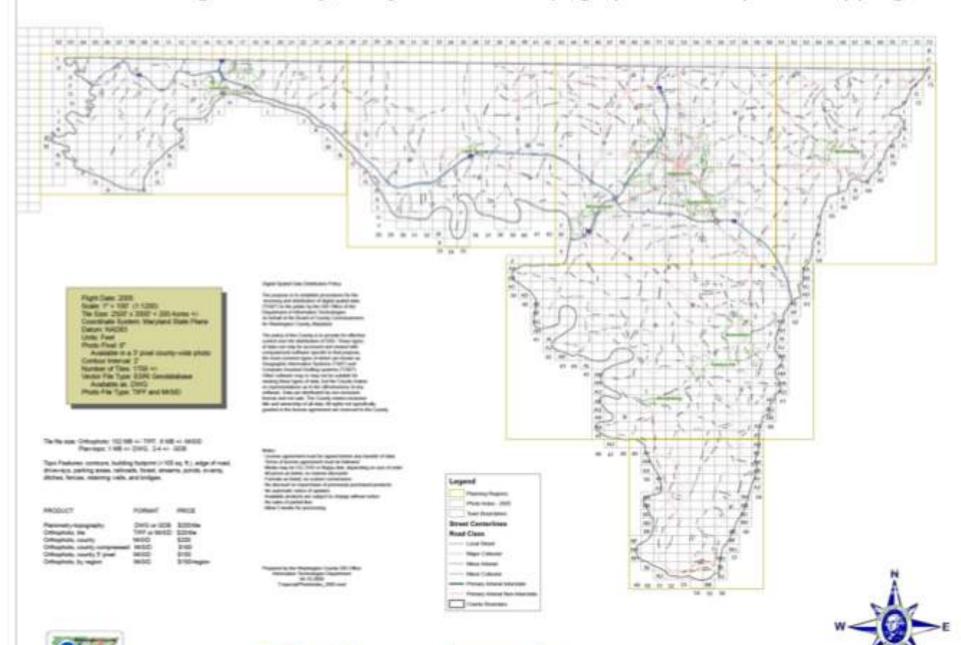
#### RECITALS

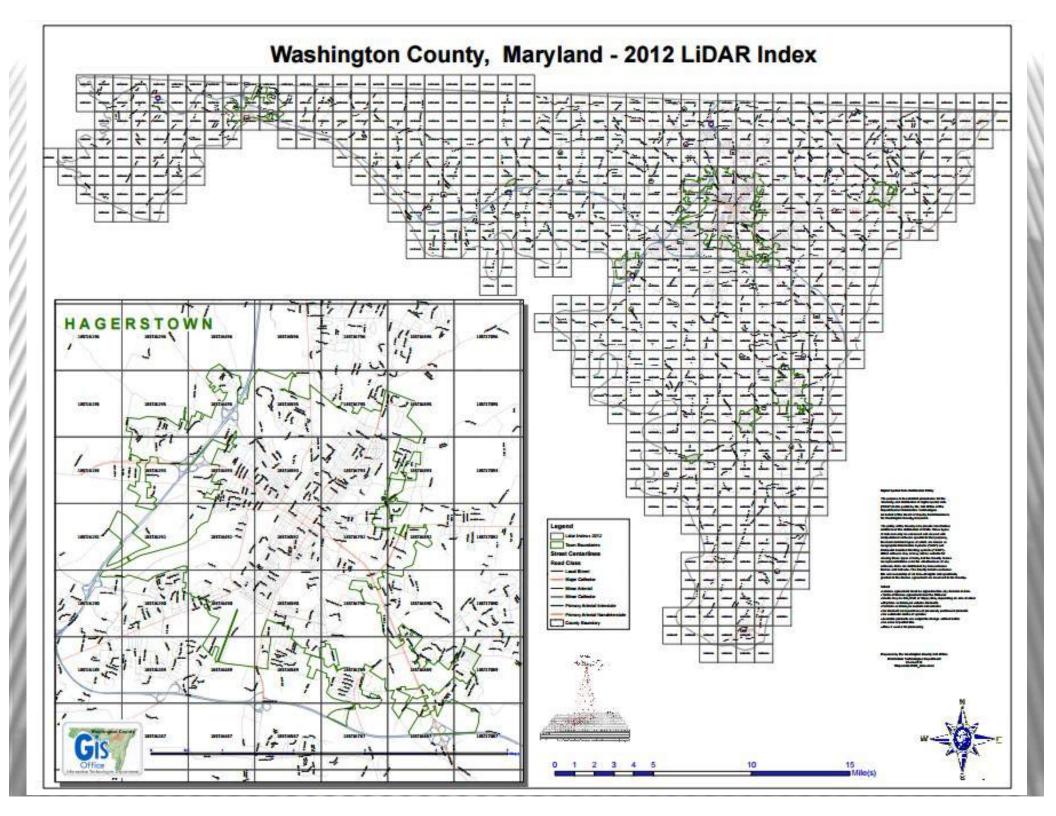
The undersigned Licensee requests the non-exclusive right to use a copy of certain DSD maintained by the Department.

Md. Code, <u>State Government Article</u>, Title 10, Subtitle 9, provides that the County may assess an administrative charge to license DSD, but such charges do not represent its true value.

NOW, THEREFORE, in consideration of the mutual conditions in this agreement, the Department and Licensee agree as follows:

### Washington County, Maryland - 2005 Topographic - Orthophoto Mapping





## **CURRENT PROJECTS USING GIS**

- Accela Automation Permitting GIS parcels
- Flood Map Improvement review period
- NHD Stream Mapping Pilot 1:2400
- Water Quality BMP reporting: TMDL, NPDES, WIP
- Antietam Creek Water Trail state & county
- Comprehensive Plan Update Planning/Zoning
- AED Mapping 911

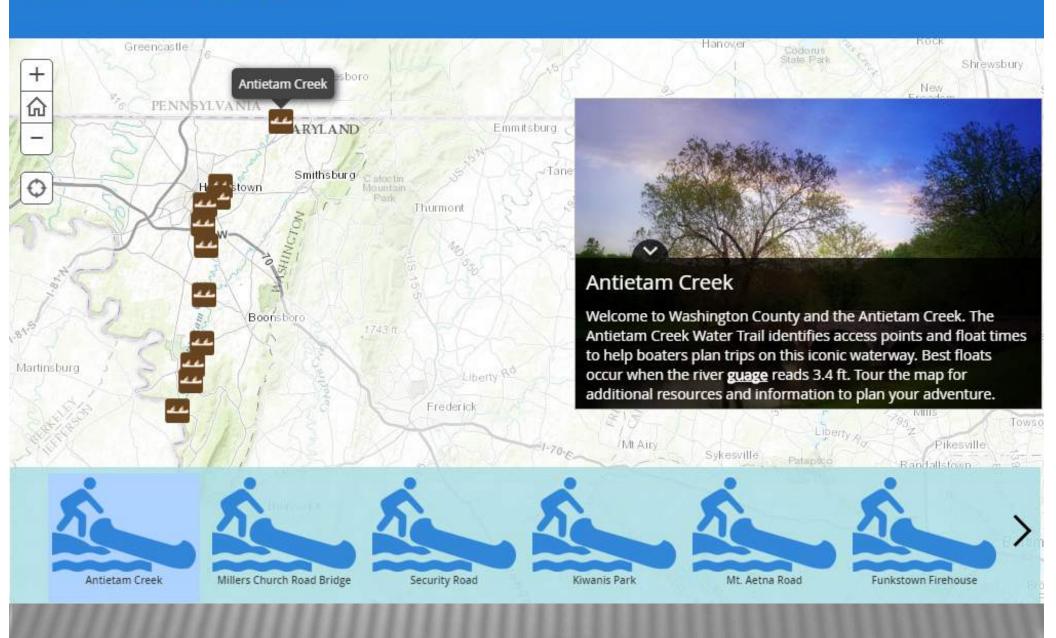


#### **Antietam Creek Water Trail**

Send us Feedbackl 4 9

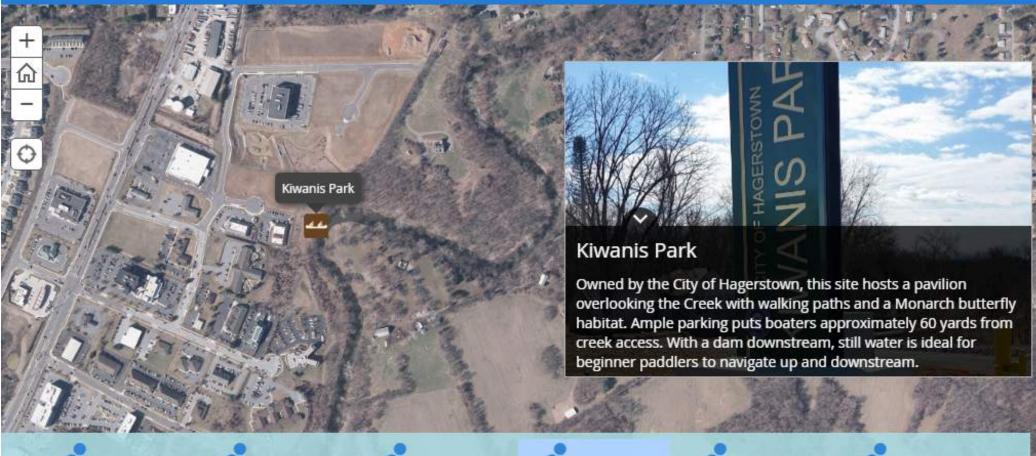


Antietam Creek Water Trail put in/ take out locations





Antietam Creek Water Trail put in/ take out locations









Millers Church Road Bridge



Security Road



Kiwanis Park



Mt. Aetna Road



Funkstown Firehouse

## QUESTIONS?

- Contact:
- Bud Gudmundson
- 240-313-2277
- jeg01@washco-md.net

Thank You!

