

CATALOG OF AVAILABLE DIGITAL SPATIAL DATA

The following describes the data available through the GIS Office for dissemination to the public:

A. Parcels

This is a county-wide representation of all property lines. It was constructed from the State of Maryland “tax maps”, subdivision plats recorded since 1973, and City of Hagerstown parcel data. It has been aligned to best fit aerial photographs flown in 2007. The accuracy varies according to the source material, and is a significant improvement over the tax maps, but is not survey grade. Available in AutoCAD DWG format or ESRI geodatabase format. Attributes from the Maryland Department of Assessment and Taxation are included. The update cycle is approximately every month.

This product covers the entire county and cannot be divided into smaller areas. It can be purchased through our standard license agreement for \$300. After 12 months, an updated copy can be purchased for half price, \$150. This is the only product which has a discount for updates. The same data is available for viewing on the GIS Office web map for free, without the need for CAD or GIS software.

Surveyors or Engineers may participate in the “Map Improvement Program” to obtain updates for free. After the initial purchase, a registered surveyor or engineer who has completed a *non-subdivision* boundary survey may submit it to help the county further improve the accuracy of the parcel data. The following requirements must be met:

- Survey must be in Maryland state plane feet
- AutoCAD DWG format
- Must follow the Planning Department digital subdivision plat submittal layer scheme
- Not already part of a subdivision in our database
- Maximum frequency 1 per month (or when an update is posted)

B. 2007 Orthophoto

This is comprised of orthographically corrected aerial photographs for the entire county. It was produced by contract vendor for the State of Maryland from an over-flight in the spring of 2007. This data has been released into the public domain. It is available from the United States Geologic Survey (USGS) and available for download on their web site:

<http://seamless.usgs.gov/index.php> The USGS places restrictions on the amount of data which can be downloaded at one time. Washington County is providing this channel of distribution to assist those who may not have broad-band internet access or those who need the entire county on disk in the MrSID format.

The orthophotos are divided into 2396 individual tiles to cover Washington County in a TIFF and MrSID image format. A digital file of the grid layout is available free of charge. A hardcopy map of the grid is available for \$8.00. The following is a summary of the orthophoto specifications:

Natural Color, mid-spring flight, partial leaf-on

Formats: Individual tiles: TIFF or MrSID
All tiles covering county: MrSID only

Tile size: 2000' x 3000' = 138 acres = 0.22 sq. mi.
Total number of tiles covering the whole county: 2396

Scale: 1" = 100' (1 : 1200)

Projection: Maryland State Plane

Units: Feet

Datum: NAD83, NAVD88

Pixel Size: 6"

Tile file size: 70 MB +/- TIFF, 3.5 MB +/- MrSID

Whole county MrSID file size: 8.4 GB +/-

C. 2005 Ortho-Topo

This is comprised of orthographically corrected aerial photographs and planimetric-topographic data for the entire county. It was produced by contract vendor from an over-flight in the spring of 2005. The orthophotos are divided into about 1700 individual tiles to cover Washington County in a TIFF and MrSID image format. The planimetric-topographic data is also tiled in the same manner and is available in GIS or CAD format. A digital file of the grid layout is available free of charge. A hardcopy map of the grid is available for \$8.00. The following is a summary of the ortho-photo and planimetric-topographic data:

Formats: Orthophoto: TIFF or MrSID natural color
Plan-Topo: DWG or ESRI Geodatabase

Photo: MrSID county-wide

Composites: MrSID county-wide highly compressed
MrSID county-wide 3' pixel

MrSID by planning region: Hancock, Clear Spring, Hagerstown, Smithsburg,
Boonsboro, Gapland

Tile size: 2500' x 3500' = 200 acres = 0.3 sq. mi.
Total number of tiles covering the whole county: 1700+/-

Scale: 1" = 100' (1 : 1200)

Projection: Maryland State Plane

Units: Feet

Datum: NAD83, NAVD88

Pixel Size: 6"

Contour: 2'

Tile file size: Orthophoto: 102 MB +/- TIFF, 6 MB +/- MrSID
Plan-topo: 1 MB +/- DWG, 2-4 +/- GDB

Topo Features: contours, building footprint (>100 sq. ft.), edge of road, driveways, parking areas, railroads, forest, streams, ponds, swamp, ditches, fences, retaining walls, and bridges.

D. 2000 Ortho-Topo

This is comprised of orthographically corrected aerial photographs and planimetric-topographic data for the entire county, except for central Hagerstown. It was produced by contract vendor from an over-flight on March 18, 2000. The ortho-photos are divided into 470 individual tiles to cover Washington County in a TIF image format. The planimetric-topographic data is also tiled in the same manner and is in a CAD format. A digital file of the grid layout is available free of charge. A hardcopy map of the grid is available for \$8.00. The following is a summary of the ortho-photo and planimetric-topographic data:

Formats: Orthophoto: TIFF v6.0 (.TIF) gray scale by tile
Plan-Topo: AutoCAD (.DWG) by tile

Tile size: 4400' x 6800' = 687 acres = 1.07 sq. mi.
Total number of tiles covering the whole county: 470

Scale: 1" = 200' (1: 2400)

Projection: Maryland State Plane

Units: Feet
Datum: NAD83, NAVD88
Pixel Size: 1'
Contour: 4'
File size: Orthophoto: 30 MB +/-
AutoCAD: 1 MB +/-

Topo Features: contours, building footprint (>200 sq. ft.), edge of road, centerline of road, tree line, streams, and bridges.

E. Other digital spatial data:

The GIS Office maintains other layers available for licensing. These are updated on a delayed basis; official changes in any of these areas are not immediately reflected in these GIS layers. They are available in GIS and CAD format. The GIS format is ESRI Geodatabase. The CAD format is AutoCAD DWG.

- Zoning
- Comprehensive Plan – Land Use Plan, includes: Urban and Town Growth Area boundaries, Rural Villages, Special Planning Areas
- Priority Funding Areas
- Enterprise Zones
- Rural Legacy Easements and Boundaries
- Agricultural Preservation Districts and Easements
- Fire Stations and Districts

F. Hardcopy plots

The photo or topo data can be purchased as a hardcopy plot at the design scale on "D" size 20# bond paper. It is copyrighted and shall not be copied, scanned, digitized or otherwise duplicated. Only whole tiles can be purchased.

Notes:

- License agreement must be signed for any sale
- Media is DVD
- All prices as listed on price list, no volume discounts
- Formats as listed, no custom conversions
- No discount on repurchase of previously purchased products, except parcels
- No automatic notice of updates
- Available products are subject to change without notice
- No sales of partial tiles
- Data free to government agencies with signed license agreement
- Government contractors must have agency sign order form to obtain free data
- Allow 2 weeks for processing
- “Other” data layers are from a *Planning Level GIS*, and do not meet National Map Accuracy Standards

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