



Virginia Base Mapping Program Orthoimagery

The Virginia Base Mapping Program (VBMP) provides regularly updated orthoimagery for the entire commonwealth to maintain a consistent foundation upon which GIS, spatial data, and mapping applications can be developed and maintained. This imagery supports federal, state, and local government needs. 1 foot pixel resolution (1":200' scale) orthoimagery meeting ASPRS Class 1 Accuracy Standards no more than four years old is available free of charge. Funding comes from numerous sources including the Virginia 9-1-1 Services Board for the base product, and payments for imagery upgrades and additional data products from local governments and federal agencies.



The Commonwealth of Virginia has contracted with the Surdex Corporation for the period of 2021 - 2024 to provide aerial data acquisition, ground control, aero-triangulation, digital terrain model (DTM), and digital orthoimagery.

Base VBMP Product
(On a 4 year cycle)
Standard Orthos
12" Pixel Resolution

Optional Products & Services

6" Pixel Resolution
3" Pixel Resolution
True Orthos
Oblique Imagery
Off-year Flights
Contours
Planimetrics
LiDAR
Enhanced Land Cover
Impervious Feature Mapping
Rapid Response (Ortho & LiDAR)

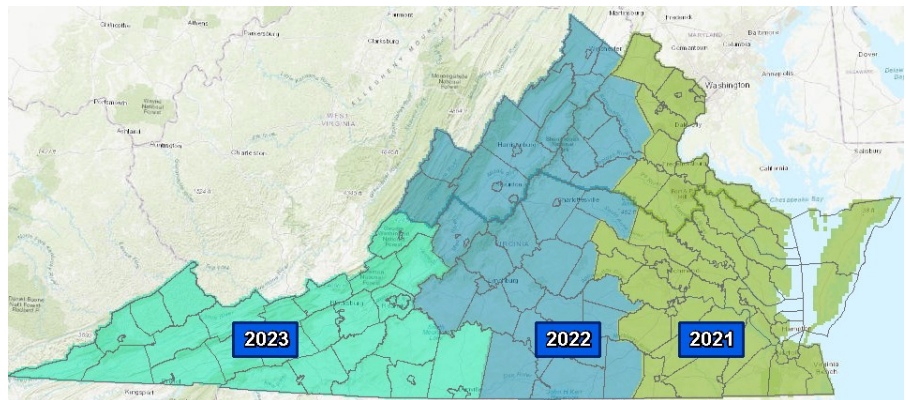
Commitment letters from localities to VGIN for resolution upgrades are due:
December 15

Standard Deliverables
Imagery as GeoTiff & MrSID
Metadata
Locality Mosaic
On DVD, external drive
Additional mosaics & areas available by request

For information regarding the VBMP Orthoimagery Program please contact
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Flight Years and Scheduling

Base VBMP orthoimagery products have been provided to localities at no cost, and on a recurring basis, since 2002. The 2021-2024 flight cycle provides statewide coverage, collecting one-third of the state in each of the first three years, working east to west, weather conditions permitting. Upgrade orders are placed by December 15th before each flight year, and acquisition flights occur from February to April. Delivery of final products is expected in the fall of the acquisition year. If purchasing upgrades, at least 50 percent of the payment must be made when acquisition is complete and the remaining amount is due at delivery of final product(s). Localities may also use the program to upgrade or request off-year flights at contract prices.



Four-Band Digital Infrared Orthoimagery

Imagery is collected digitally and includes 4 bands in the GeoTiff format; 3 true color and one near-infrared. This allows for the production of color-infrared (CIR) imagery which can be used to extract information such as vegetation, impervious surfaces and water features.

Imagery Web Services

The latest VBMP orthoimagery is available via web service free of charge. Access current and past imagery through desktop and web GIS applications via: <https://gismaps.vdem.virginia.gov/arcgis/rest/services>. Support for using services is available [here](#).