

VGIN Coordinator Report



VGIN Coordinator Report to the VGIN Advisory Board
April, 2012

Virginia Base Mapping Program Orthophotography: Accomplishments for 2011

Base Program

- Western half of the state, 1-ft resolution, 4-band digital orthoimagery
- 21 thousand square miles, 39 Counties, 7 Cities
- Cost \$1,284,300

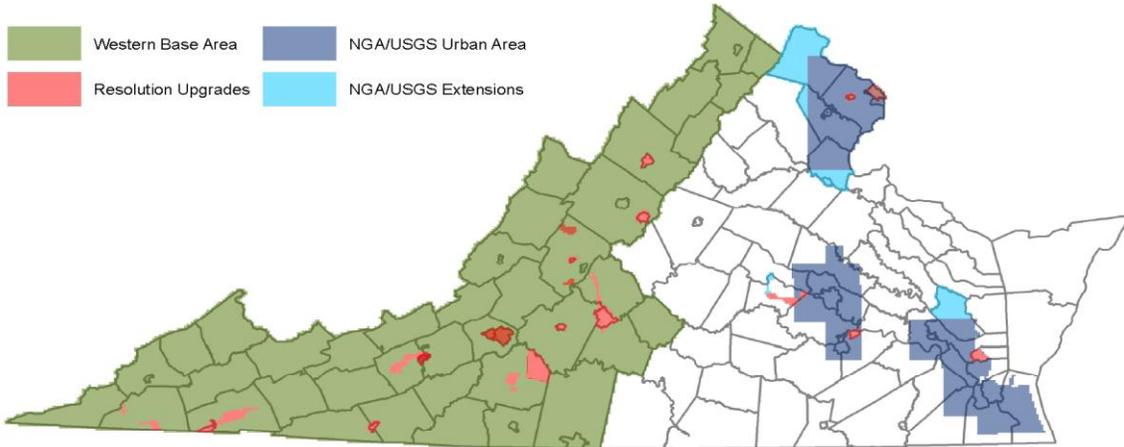
Upgrades

- National Geospatial Intelligence agency (NGA) Urban Areas
- 5 thousand square miles - cost \$264,400
- Localities
 - Extended coverage in East, 5 Counties, 1 City - cost \$50,640
 - 6-inch resolution, 23 localities – cost \$203,641 + \$66,872 (VGIN share)
 - 3-inch resolution, 3 localities – cost \$85,164 + \$5,924(VGIN share)
 - LiDAR, Radford – cost \$18,626
 - Contours, 11 localities - cost \$24,438
 - Planimetrics, 2 localities – cost \$15,444

Program Totals

- 27 thousand square miles – cost \$2,005,608 (VGIN share \$1,357,096)
- Cost share 67 % VGIN / 20% Local / 13% NGA

Virginia Base Map Program 2011 Orthophotography Flight



Resolution Upgrade (6" unless noted)

Abingdon Town
Arlington County
Bedford City
Bristol City
Fairfax City
Franklin County
Galax City
Glasgow Town

Goshen Town
Harrisonburg City (3")
Hopewell City
Lexington City (3")
Lynchburg City
Poquoson City
Powhatan County
Pulaski County

Radford City (3")
Roanoke City (3")
Roanoke County
Rocky Mount Town
Salem City
Scott County
Waynesboro City
Washington County

Extended Coverage (eastern 1-ft)

Fredericksburg City
Gloucester County
Loudoun County
Powhatan County
Prince William County
Stafford County



Road Centerline - RCL

VGIN's 3rd quarter Road Centerline release was released on 12 March 2012. 48 localities and VDOT data were updated this quarter.

An emphasis on obtaining vehicle routing attribution for the entire RCL had been performed as well and will provide for greater value added functionality for the RCL product. This effort stands at 85% complete and plans are to finish routing attribution by the end of 2011.

Products were released to VA localities, VA state agencies, Regional Planning agencies, Navteq, TomTom and Virginia Utility Protection Service. Please note that we now are providing quarterly updates to TomTom, the other major commercial data provider besides Navteq and maker of in-car navigation devices. In addition, we sending RCL data to Google in the hope that they will be able to incorporate it into their online mapping product.

Collaborations

VGIN continues to seek geospatial collaborations where possible so that high quality and authoritative data is utilized.

- Orthophotography: providing current (2011) products to Google and ESRI

VGIN Coordinator Report

- RCL: Producing quarterly outputs for commercial data sources Navteq and TomTom (these eventually flow into commercial GPS devices Garmin and TomTom). Also providing RCL to Google without their commitment to utilize.
- Universities: William & Mary, Virginia Tech and Radford have signed an MOU with VGIN for the Geospatial Archive Resource and Data Exchange Network (GARDEN). GARDEN provides a framework to broaden geospatial data access within the Commonwealth. Discussions are underway with VCU, UVA and JMU.

Support for Department of General Services Surplus Real Estate Division

VGIN staff John Owens and Michael Vojta provided technical guidance and assistance to help DGS get started with integrating locality parcel data into their online Surplus Property website.

<http://www.dgs.virginia.gov/DivisionofRealEstateServices/SurplusRealEstate/tabid/1120/Default.aspx>

GIS Clearinghouse

VGIN is leveraging the ESRI Beta Program and ArcGIS for Organizations software to pilot preliminary clearinghouse workflows with a small number of representative stakeholder groups. More results will be available at the next VGIN Advisory Board meeting.

Broadband Mapping

VGIN will be funded to participate in three more years of broadband mapping activities with the Virginia team of CIT, VITA and Virginia Tech.

Miscellaneous

New Hires

The Orthophotography Program Manager position has been filled by Wendy Stout. Wendy comes to VGIN via the Virginia Space Grant Consortium.

Jared Dunbar has been hired as a contractor working as a GIS Web Developer for the Broadband Mapping project. Jared joins us from Fairfax County.

2013 VBMP RFP

VGIN is in process of updating the new RFP that will be used to solicit Virginia base mapping services for the next four year cycle. The current plan targets mid-May for RFP release, using the summer to review proposals/select the new vendor, and have a signed contract by the end of the summer (September).

2012 Virginia GIS Conference

The conference will be held on Monday, September 10 in Charlottesville at the Omni Hotel. Conference developments can be tracked at www.vamlis.org

South West GIS User Groups

VITA Regional Coordinator Tim Addington helped to re-organize two inactive GIS User Groups (Abingdon and Mountain Empire) last quarter.

VGIN Coordinator Report

VGIN Web Services

At the October VGIN Board meeting the Board supported open access to recent VBMP imagery web services (previously were fee based). The following is a listing of the imagery web services from the 2011 VBMP flight that are currently available:

Service Name:	Description:
VBMP2011_WGS	Contains all of the VBMP 2011 imagery in true color. This service is in the WGS 1984 Web Mercator Auxiliary Sphere projection (Google, Bing, ESRI)
VBMP2011_Infrared_WGS	Contains all of the VBMP 2011 imagery in infrared. This service is in the WGS 1984 Web Mercator Auxiliary Sphere projection (Google, Bing, ESRI)
MostRecentImagery_Lambert	Contains all of the VBMP 2009 and 2011 imagery with VBMP 2011 imagery on top. This service is in a custom projection used by most state agencies
MostRecentImagery_Lambert_Tile_Index	Contains all of the VBMP 2009 and 2011 tile grids with VBMP 2011 tile grids on top. This service is in a custom projection used by most state agencies
MostRecentImagery_WGS	Contains all of the VBMP 2009 and 2011 imagery with VBMP 2011 imagery on top. This service is in the WGS 1984 Web Mercator Auxiliary Sphere projection (Google, Bing, ESRI)
MostRecentImagery_WGS_Tile_Index	Contains all of the VBMP 2009 and 2011 tile grids with VBMP 2011 tile grids on top. This service is in the WGS 1984 Web Mercator Auxiliary Sphere projection (Google, Bing, ESRI)

Locality GIS Survey Results

Survey results and some sample results mapping are available via our website at <http://www.vita.virginia.gov/isp/default.aspx?id=12096>