



VGIN Coordinator Report to the VGIN Advisory Board
October, 2012

VBMP Orthophotography RFP

The Virginia Base Mapping Program's Orthophotography program is entering its fourth acquisition cycle. The RFP for the 2013-2016 time period was released on July 3, 2012. The RFP was closed on August 17, 2012. Our objective is to have a signed contract by November 2012. Proposals are currently being reviewed by the VBMP RFP team. A full report on the RFP process will be given at the next board meeting.

This RFP required a VBMP statewide base acquisition of 1-ft ground sample distance (GSD) resolution base orthoimagery at a scale of 1"=200' (1:2,400) comprised of three bands in the visible range and at least one band in the near infrared range. Acquisitions are planned for 2013 (eastern half) and 2015 (western half) with leaf-off conditions. Optionally, localities can upgrade to 6 inch or 3 inch resolution and may also purchase other optional products such as off year acquisitions, structure footprints or other planimetrics, 4 ft or 2 ft contours, or LiDAR data. Additional optional data services include the creation and hosting of imagery ESRI image cache map web services.

Road Centerline - RCL

VGIN's 3rd quarter 2012 Virginia Base Mapping Program's Road Centerline (RCL) release is scheduled for release on 5 October 2012. 49 localities and VDOT district data were updated this quarter which calculates to over 16,000 road segments either updated or added.

Point addressing continues to be a priority for ISP-VGIN. To date VGIN, with assistance from ISP Regional Coordinators, has obtained point addressing from 127 of 133 communities in the Commonwealth. The point addressing is based on property parcel center, building footprint, or driveway/doorway access point. This data product brings greater accuracy for geo-locating events and invaluable for emergency response situations.

Products are released to VA localities, VA state agencies, Regional Planning District Commissions, Navteq, TomTom and Virginia Utility Protection Service.

GIS Clearinghouse

VGIN and VDEM received a Department of Homeland Security grant to fund the first year's subscription to ArcGIS Online for Organizations, the tool that will be used for the GIS Clearinghouse. Outreach and education efforts are underway with presentations

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planned at the various regional GIS user group meetings. More detail will be presented at the Board meeting.

VaCo

The VGIN Coordinator, with the support of VGIN Board member Supervisor Connie Brennan, is working with the Virginia Association of Counties to include a panel discussion at the upcoming VaCo annual conference on the value of GIS to localities. Details are still being worked out at the time of this writing. Below is the abstract crafted with the help of Supervisor Brennan.

Saving time and money: how investment in GIS provides handsome payback to Local Governments

Location based technologies such as GIS can be described as cross cutting technologies, ones that can be utilized in many different departments of government. Within a local government, GIS is utilized in departments such as public safety, planning & zoning, economic development, redistricting, and revenue/taxation to name a few. GIS technology is both inward facing - helping local government staff provide integrated services to many departments, and outward facing - enhancing value to citizens through location-based services that are enriching and more business/citizen friendly.

This results in GIS providing a large multiplier effect within government. By integrating departments using GIS technology, resources (staff time and money) are utilized more effectively and efficiently. Public services are enhanced and made richer by providing services with underlying GIS technology.

Investing in GIS training and technology has positive benefits and will pay off many times over through these efficiencies and improved services. Examples will be provided to show some of these benefits as well as how a coordinated approach to GIS can benefit the Commonwealth overall.

Commonwealth Interoperability

The VGIN Coordinator has chaired an Information Sharing work group under the State Interoperability Executive Committee (SIEC) to develop a draft strategic plan for information sharing. Other VITA members include Dorothy Spears-Dean, State 911 Coordinator and Regional Coordinator Stefanie McGuffin. The strategic plan will eventually become a component of the Statewide Communications Interoperability Plan.

Broadband Mapping

The broadband mapping team recently submitted the fall Virginia broadband provider data to the federal NTIA. The collaboration with CIT and Virginia Tech continues to provide grant funded opportunities for VGIN and the Commonwealth.

- Through VCU's Wilder School of Government we have hired Michael Edwards as a part-time intern assigned to the Broadband Mapping project.
- A Digital Surface Model (DSM) is being created for the Commonwealth using existing LiDAR data and the orthophotography digital terrain data. With development overseen by VGIN and tasked through the state IT Services contract,

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this dataset will primarily be utilized for wireless broadband propagation analysis by Virginia Tech. It also has much broader planning value to the GIS community and will be very useful in applications such as 3-dimensional visualization. Once completed it will be available in the public domain as a base mapping data layer for Virginia.