



VGIN Coordinator Report to the VGIN Advisory Board
January, 2010

2009-2012 VBMP Orthophotography

Final deliverables from the 2009 acquisition have been completed. Statistics show deliveries for:

- 80 Counties and Independent Cities
- 6 Towns
- 3 Universities
- 1 Country Club

Tiles:

- | | | |
|-----------|--------------|---------------------|
| ▪ 12 inch | 29,087 tiles | 26,084 square miles |
| ▪ 6 inch | 6,713 tiles | 1,505 square miles |
| ▪ 3 inch | 1,095 tiles | 61 square miles |

Upgrades:

- Contours – four jurisdictions (Blacksburg, Fredericksburg, Halifax, Hopewell)
- True Orthos – VCU, City of Richmond (portion)
- Planimetrics – 2 areas (Blacksburg, VCU)
- Impervious surfaces – James City County

Other notes:

- First all digital acquisition
- First acquisition with fourth band in near-infrared
- Quickest turnaround from flight to delivery to date
- Of very high quality

RCL

VDOT and VGIN are targeting the first quarter of 2010 to have ESRI professional services help implement the proposed changes identified in their assessment from summer 2009. These changes are necessary to more closely integrate the two road centerline data models to facilitate true integration

In 2009 the Northern Virginia region received a PSAP grant to establish a regional routable road centerline for emergency response. VGIN and the jurisdictions are working closely so that the RCL plays a vital role in this efforts development. It is anticipated that this effort will serve as a re-usable model for other regions in the Commonwealth, and that it will improve the overall capabilities for the users of the RCL.

VGIN Five Year GIS Strategic Plan

All milestones are being met on time and on budget. The final plan will be presented to the VGIN Advisory Board at the January 2010 meeting to seek their approval.

GRANT ACTIVITIES

Broadband Mapping Proposal

Awaiting grant award from the granting agency, the National Telecommunications and Information Administration (NTIA). The original proposal of \$4.3 million has been reduced to \$1.8 million by the NTIA. During the 4th quarter of this year, significant rewriting of the proposal has had to be done by Deputy Secretary of Technology Karen Jackson, the Center for Innovative Technology, and VGIN. Grant application response is now expected in January, 2010.

LiDAR Proposal

A grant application for \$500,000 was submitted to the USGS to fund LiDAR collection and processing for USGS identified priority areas. Previous research and cost benefit analysis done by VGIN proved very useful in quickly assimilating and prioritizing this limited opportunity. Approximately 1,000 square miles were identified in Matthews, Middlesex and Gloucester counties, with other surrounding areas included in case more funding becomes available through this grant. With these three jurisdictions (and upcoming Eastern Shore coverage), Virginia will now have complete coastal LiDAR coverage for the Atlantic Ocean and Chesapeake Bay shorelines. Grant application response is expected in Q1, 2010.

2010 CAP Grant

VGIN will be applying for a CAP Grant (similar grant program as the Strategic Plan grant) in the category of Return On Investment for the VBMP orthophotography program. The intent of this grant application is to formally document the savings the Commonwealth has achieved by having a centralized, statewide orthophotography acquisition program. Grant application response is expected in Q1, 2010

GIS Education Follow up

A coordination and issues follow up conference call was coordinated by John McGee and held on December 1 with interested stakeholders such as VAMLIS, VDOE, Academia, Stan Hovey and ESRI. Discussion centered around the long term goal of professional development, with a near term need to jump start on a broader level through programs such as establishing a mentoring program. GIS lesson plans for K-12 teachers are available but not widely known. A January follow up conversation will continue the dialogue amongst the stakeholders.

Virginia.gov website

VGIN is working with VITA Communications, Enterprise Applications and Virginia Interactive to integrate GIS and leverage available GIS data into the redesigned Virginia web portal. A VGIN Services basemap that includes orthos, road centerlines and other available state agency data will be made available as an additional means of visualizing information on Virginia.gov.

VGIN Position

The vacancy created by the departure of Stu Blankenship is on hold until further notice.