



VGIN Coordinator Report to the VGIN Advisory Board
April 2016

2015 VBMP Orthophotography

We have had a number of users express concern about an overall darker color to the 2015 imagery. This pertains to the topic of “color balance” and is a routine component that is established early on in the ortho development process. Given the wide range of collection dates for the 2015 acquisition (mid-February to early April) the result is we have richer color saturation in areas with more spring-like ground conditions versus the drab brown of winter conditions. This can create a challenge in establishing a single overall color across a wide range of ground conditions.

VGIN discussed this issue with our contractor Sanborn and jointly decided to create a second delivery that has a higher contrast. While it will not solve the darker color in some imagery, it does increase the overall brightness and contrast while retaining feature recognition. This second delivery will occur in the month of April. Both deliveries meet specifications and will provide end users with a choice of color balance and contrast.

Road Centerline – RCL, Address Points and other Base mapping Data

Virginia Geographic Information Network's 1st quarter 2016 release of the Virginia Base Mapping Program's (VBMP) data products were released in March 2016. 89 localities were updated this quarter with over 48,000 road segments updated. Of these over 2000 are new road segments and over 13,000 geometry edits. This updates the overall VBMP road centerline segment count to over 624,000 road segments of which 619,531 are named road segments. These lofty counts are owed to two factors: (1) increased response of local government data submittals, and (2) mass data processing as localities can deliver a good deal of data changes that can be processed in bulk. The latter bulk processing is an example from Fairfax County which submitted actual address to which VGIN swapped with the theoretical addressing held previously.

The VBMP Address point dataset saw one of the strongest intakes of new data into the state-wide collection with 80 localities being processed. To date VGIN has obtained 3,605,429 point addresses from all communities in the Commonwealth. The point addressing is based primarily on building footprint, property parcel center, or driveway/doorway access point. This data product feeds the VGIN Geocoding web service bringing greater accuracy for geo-locating addresses, navigation, and supporting Next Generation 9-1-1.

VGIN Coordinator Report

Additional base mapping data layers aggregated from local data sources include Parcels, Building Footprints and Administrative boundaries. These are available as web services http://gismaps.vita.virginia.gov/arcgis/rest/services/VA_Base_layers

Road Centerline Geospatial Data Standard

The Road Centerline Geospatial Data Standard was approved in March by the CIO. Following a similar process as the Administrative Boundary Data Standard, a series of statewide webex and conference calls were held to collaboratively develop the standard, followed by the standard VITA data standard review process. This culminated with a final standard that was published for comment and review via the Online Review and Comment Application (ORCA) prior to CIO review and approval. The approved standard can be found on the VITA Policies, Standards and Guidelines web page at <http://www.vita.virginia.gov/default.aspx?id=537>

Initial discussions are underway to begin the next geospatial data standard definition for Address Points.

Land Cover Data

The Bay Area 2 deliverable was received in February from WorldView Solutions and subsequently the quality control review was completed by Sanborn. The draft data was made available via the GIS Clearinghouse. It will be replaced by the final deliverable for the entire Chesapeake Bay watershed scheduled for June 2016.