

## APPENDIX B: GIS DATA RECEIVED FOR WASHINGTON, D.C. TO RICHMOND SOUTHEAST HIGH SPEED RAIL PROJECT

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### B.1 EXISTING CONDITIONS BASE MAPPING CREATED

Following the data acquisition process, the base data layers were created for the Project using GIS. All GIS layers developed for the existing conditions were projected to the horizontal North American Datum of 1983 (NAD83) State Plane Virginia North coordinate system with the linear units of US feet. The State Plane system is based upon the Lambert Conformal Conic projection. This coordinate system was used throughout the entire corridor mapping of existing conditions.

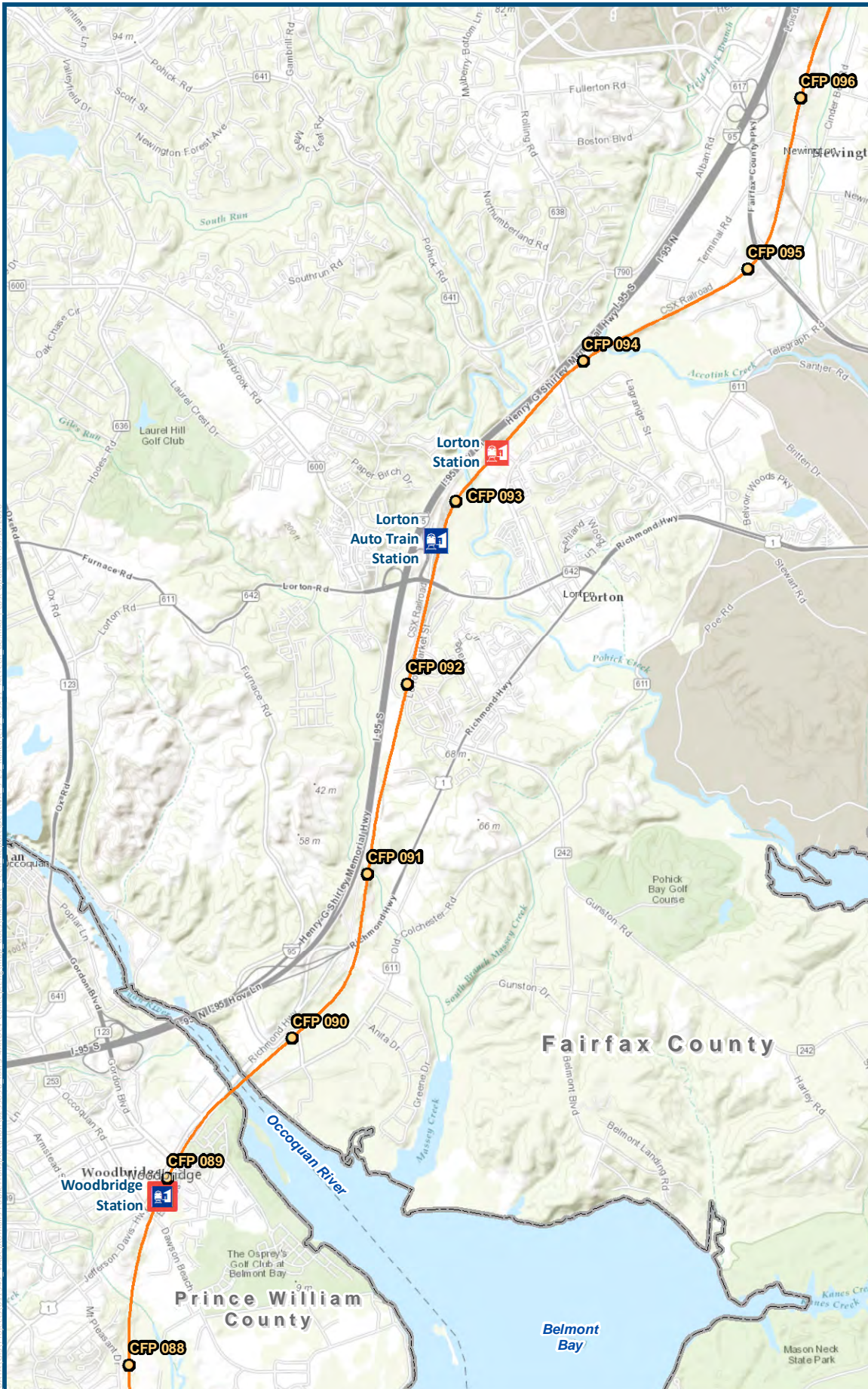
In order to develop a project baseline map, and furthermore, various boundary layers, the rail layers associated with the corridor were first assembled (Figure B-1):

- **Track Lines:** Several rail linear layers were developed to show track centerlines, derived either from CSXT or from the VGIN Rail Database. Linear features within some of the layers include details such as yards, sidings, and industrial spurs, whereas other rail layers were simplified to include a project baseline of the rail corridor.
- **Mileposts:** Several layers exist to represent CSXT mileposts. CSX Properties Group provided engineering mileposts based upon adjusted CSXT network nodes. The GIS team then utilized both the engineering mileposts and the track network, also provided by CSXT, to derive a linear referenced mileposts layer. The linear referenced layer placed mileposts in more precise increments of one-mile, extending from the North to the South of CSXT's track network. The linear referenced mileposts layer is the uniform layer utilized in map production and analyses.
- **Existing Stations:** This point layer was created to show the rail stations for VRE, Amtrak, and WMATA throughout the DC2RVA study area.
- **Yards:** This point layer was developed to show the locations of rail yards within the DC2RVA study area.

After establishing the base rail system, and therefore a DC2RVA project location, GIS layers were created to consolidate the multiple resources within the project corridor into a full existing

conditions database. Required data sources were disseminated into 12 critical categories, organized in both an “external” data source geodatabase and an “internal” data source geodatabase:

- Boundary
- Cadastral
- Community Facility
- Cultural Resources
- Environmental
- Field Collected Data
- Hydrology
- Map Element
- Planimetric
- Rail
- Roads
- Utility



1 inch = 4,000 feet  
 @ 8.5 x 11 inches  
 Projection: Lambert Conformal Conic  
 State Plane Virginia North FIPS 4501 Feet  
 North American Datum of 1983  
 Basemap Source: Esri  
 Topographic Map, 2015.

- Legend**
- CSXT Mileposts
  - Existing Track
  - Amtrak Station
  - VRE Station
  - Amtrak/VRE Station
  - County/City Boundaries

**Figure B-1**  
**Boundary and Rail**  
**Layers**

There were a variety of boundary files created to define the constraints within which the existing conditions data would be updated and managed. Boundary areas with the following radii from the project extent's rail centerlines were created:

- 3-mile radius
- 1.5-mile radius
- 1-mile radius, including the BBRR from Doswell to AM Junction
- Half-mile radius
- Quarter-mile radius, including the BBRR from Doswell to AM Junction
- 500-foot radius
- 100-foot radius

Additionally, an alternatives boundary was created, based on the 3-mile buffer but expanded to provide coverage of the developed potential alignment options extending outside of the CSXT right-of-way. Using these boundaries, all subsequent data mentioned are limited to the area within one of the aforementioned radii options serving as project extents.

In lieu of readily available survey coverage for the project corridor, layers were established to build GIS-based survey coverage that would be exported to CAD (i.e., .dgn files). Multiple data layers from the twelve municipalities were consolidated into planimetrics layers for each county/city that provided, when available, locations of building footprints, parking lots, driveways, sidewalks, edge of pavement, etc. Additionally, the following layers were created:

- **Streets:** This linear dataset is a subset of the VGIN/VBMP Road Centerline layer that was clipped within 3 miles of the DC2RVA rail centerline.
- **Contours:** This 3D linear layer provides ground elevations and land topography from the 12 municipalities. The lines represent contour lines at 2 foot intervals and are clipped to the Bookend Alternatives boundary.
- **Spot Elevations:** This layer provides spot elevation points within the "Book End" alternatives boundary for Alexandria, Fairfax County, Prince William County, Henrico County, and Chesterfield County, as provided by the municipalities.

Additional layers, described below, were also converted from GIS to CAD, as needed for development and screening of conceptual alternatives.

The cadastral dataset consists primarily of parcel data obtained from the twelve individual localities, containing only the parcels that occur within a quarter mile of the existing rail corridor, including all existing rail yards. The parcel data include parcel ownership information, such as mailing addresses, parcel addresses, parcel identification numbers, and other tax assessor data. The selected parcels from the twelve counties/cities were then combined into a single parcel layer. This allowed uniformity of the twelve varying sets of attribute data into one master layer, which could then be used to track property owner notification mailings and



property access notes. Additionally, the localities' defined CSXT-owned properties were combined to create a singular dataset of all CSXT rights-of-way within the project corridor. New parcel information from the municipalities was obtained on a recurring basis to keep property owner information as current as possible.

Both the internally-sourced and externally-sourced community facility and environmental datasets contain resources ranging from major landmarks (military installations, wildlife refuges, schools) to protected and conservation easements and habitat coverage for the corridor. Some data service layers were pulled from ESRI, such as the United States Institutions. This layer package represents point locations within the United States for common institution landmark types including hospitals, educational institutions, places of worship, government offices, cemeteries, museums, and libraries. The primary source for many of the environmental datasets was VDOT's CEDAR database. CEDAR serves as one of VDOT's primary GIS databases in reviewing an array of resources (historical, cultural, and environmental) for federal, state, and local projects occurring throughout the Commonwealth. The community facility and environmental dataset layers being utilized as part of the DC2RVA existing conditions base are described below.

To support the development and screening of conceptual alternatives, a series of data layers were created to determine resources located within the project corridor. Several of these layers are considered "critical" resources, and must be screened against potential alignments to evaluate the potential impact and magnitude to these existing conditions. This conceptual alternatives development and screening process is further discussed in Chapter 5. These high priority data layers are explained in sections 5.3.1 and 5.3.2, "Stage I: Screening Rail Alignments for Fatal Flaws" and "Stage II: Screening Rail Alignments for Order of Magnitude Environmental Impacts," respectively.

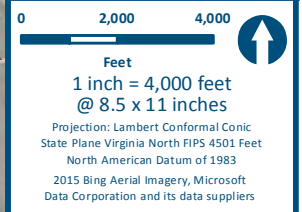
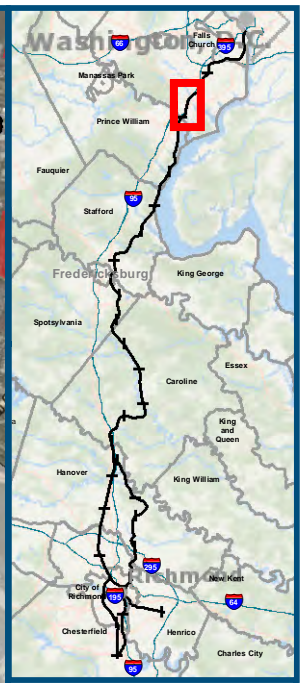
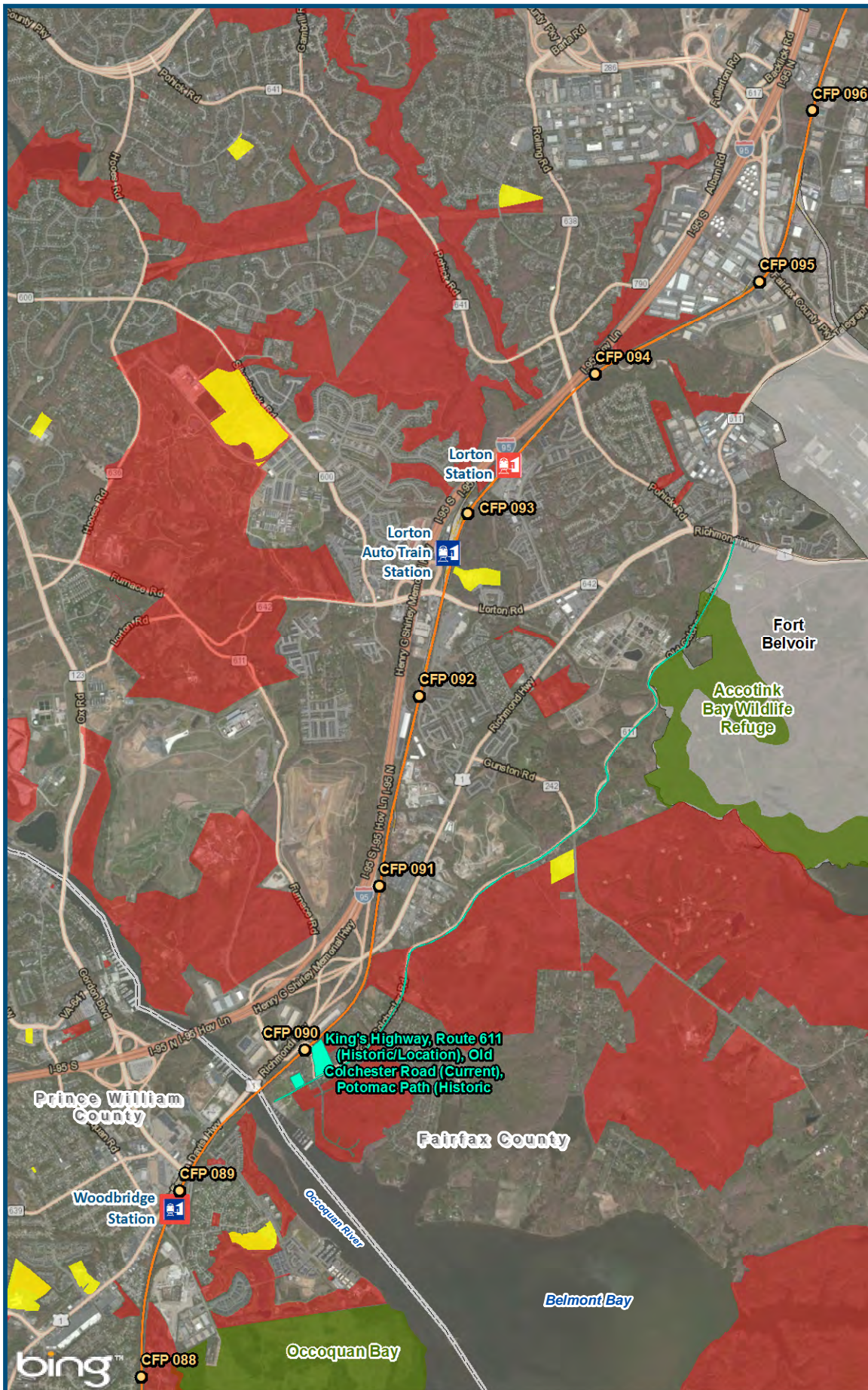
Layers generated and used as Stage I screening criteria include:

- **Wildlife Refuges:** originating from the CEDAR database conservation land layers from TNC and VDCR, this layer was created by selecting refuges located within the Bookend Alternatives boundary. Additional sanctuaries were added per the environmental team.
- **High-Priority Cultural Resources:** dataset derived from data received from Dovetail Cultural Resource Group (CRG), this layer identifies architectural and archaeological sites classified under Section 4(f).
- **Parks:** this layer contains parks located within the Bookend Alternatives boundary. It is derived from the CEDAR database conservation lands layers (TNC and VDCR), and improved upon from additional park layers received from the twelve localities, as well as additional park locations provided by the environmental team.
- **Schools - 4(f):** selected parcel features from a list of Section 4(f) school properties containing recreational areas, as provided by the environmental team, and located within the Bookend Alternatives boundary.

- **Military Installations:** this layer contains military installations located within the Bookend Alternatives boundary. It was created from source data provided by the four Military Service Component headquarters and compiled by the Defense Installation Spatial Data Infrastructure Program within the Office of the Deputy Under Secretary of Defense for Installations and Environment, Business Enterprise Integration Directorate.

Figure B-2 provides an example of some of the First Stage Screening layers as mapped.

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**Figure B-2**  
**First Stage Screening**  
**Resource Layers**



Layers generated and used as Stage II screening criteria include:

- **Conservation Lands:** deriving from the conservation lands layers in the CEDAR database from TNC and VDCR, this layer is comprised of features located within the Bookend Alternatives boundary and excludes the military installations, parks and wildlife refuges located in their own separate layers (as described above). As defined within CEDAR regarding VDCR's layer: "This dataset contains the boundaries for lands of conservation and recreational interest in Virginia. Combined Federal, State and Private conservation lands, including USDA National Forest Service property, US National Park Service property, US Fish and Wildlife Service (USFWS) property, VA Department of Forestry (VDOF) property, VA Department of Game and Inland Fisheries (VDGIF) Wildlife Management Units, VA Department of Conservation and Recreation (VDCR) State Parks and preserves and The Nature Conservancy property." As defined within CEDAR regarding TNC's layer: "This data set represents boundaries of properties in which The Nature Conservancy in Virginia has a legal interest. These properties include nature preserves and other lands currently owned by TNC, as well as conservation easements held by TNC."
- **Natural Heritage Screening:** this layer of natural heritage resources and conservation sites derives from the CEDAR database, and provides data coverage for the extent of the Bookend Alternatives boundary. As defined within CEDAR: "Conservation sites are polygons built around one or more rare plant or animal or significant natural community or geological feature. Sites are designed to include the element and, where possible, its associated habitat, and buffer or other adjacent land thought necessary for the element's conservation. For rare aquatic species we define Stream Conservation Units (SCUs), which identify stream reaches that contain aquatic natural heritage resources, including upstream and downstream buffer and tributaries associated with this reach." The "General Locations" Type within the CEDAR layer was excluded.
- **Virginia Outdoor Foundation Easements:** this layer is derived from the CEDAR database within the extent of the Bookend Alternatives Boundary and contains data regarding the locations of open-space easements that have been donated by private entities to the Virginia Outdoors Foundation.
- **Agricultural and Forestal Districts:** this layer derives from the CEDAR database, providing spatial coverage of parcels that have been zoned as Agricultural and Forestal Districts and therefore restricts area development, including road projects.
- **Urban and Agricultural Lands:** this vector layer, converted from raster format, is a subset of the "Habitat" feature layer, deriving primarily from the Urban Tree Canopy Analysis of Virginia Localities (UTC), as well as county land cover data where available. Only feature types of "Agriculture (pasture/row crop/grassland)" and "Urban/Developed Lands" from the comprehensive "Habitat" layer were selected to comprise the urban and agricultural lands feature class. This vector layer was also simplified to improve coverage from its previous pixel format.
- **Hazardous Materials:** this layer was created utilizing the comprehensive county parcel layer, accompanied by a hazardous materials (HAZMAT) site list provided by the environmental team. The site list categorized locations by level of impact (CERCLA,



NPL, Spill, etc.). For the Second Stage Screening, the CERCLIS/Superfund sites were selected from this overall HAZMAT layer.

- **Wetlands and Potential Wetlands:** this layer was created from the National Wetlands Inventory (NWI) and supplemented with the Virginia Wetland Catalog, National Hydrography Dataset (NHD), FEMA, and National Resources Conservation Service (NRCS) to identify existing and potential wetlands within 3 miles of the rail centerlines.
- **Wetland Mitigation Banks:** this polygon layer was developed from the VDOT Wetland Mitigation Bank dataset. Due to the varying mitigation bank ranges, this layer was not clipped to the same extents as the other layers that were created.
- **Cemeteries:** this point layer was created by selecting data located within 3 miles of the rail centerlines. The data derived from online sources, including “BillionGraves” (<http://billiongraves.com>), “Names in Stone” (<http://www.namesinstone.com>), and “FindAGrave” (<http://www.findagrave.com>).

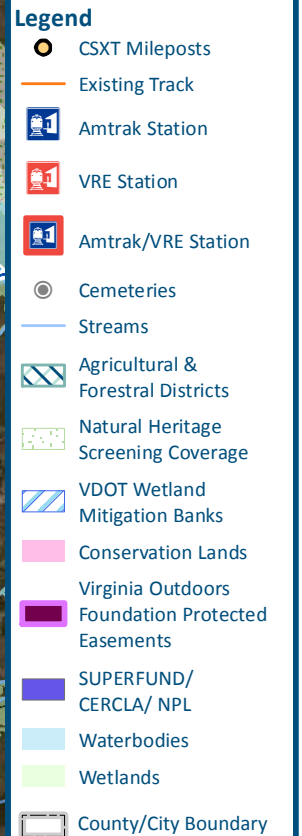
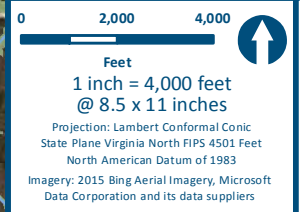
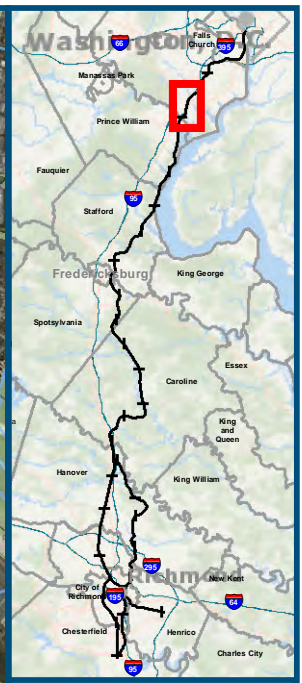
Figure B-3 provides an example of some of the Second Stage Screening layers as mapped.

Additional layers created for the DC2RVA corridor include:

- **County/City Boundaries:** the boundaries of the counties, cities, and towns along the DC2RVA corridor were pulled from the CEDAR database. These jurisdictional boundaries are used by VDOT and provide information at the closest zoom level.
- **Crossings:** this point layer was developed to display all crossings along the DC2RVA existing rail corridor and provide information on the crossing type, project segment, rail line section (i.e., RF&P, A-Line, or S-Line), the county or city, and the name of the crossing, if available. Crossing types include highway bridge, railroad bridge, at-grade, pedestrian bridge, and culverts. Additional attribute information, such as FRA milepost or bridge lengths, was added as information was collected by the team.
- **Utilities:** this linear layer was received from CSX Properties Group for the DC2RVA project corridor. The layer contains CSXT active third party agreements of utility locations, both crossing and longitudinal to the rail line. The spatial accuracy, per CSX Properties Group, is approximate.
- **Fiber Optic Signs:** this point layer representing fiber optic signs was received from CSX Properties Group for the DC2RVA project corridor. The spatial accuracy, per CSX Properties Group, is approximate.
- **Census Block Groups:** two layers were created to represent the census block group data for a three mile buffer from the rail centerlines; one was compiled from the ACS employment location data only, and the other from the LEHD employment location data only.
- **Zoning Districts:** zoning data was provided by the Alexandria, Arlington County, Caroline County, Chesterfield County, Fairfax County, Fredericksburg, Hanover County, Henrico County, Prince William County, Richmond, Spotsylvania County, and Stafford County. The zoning data from the municipalities were included in the internal database with zoning descriptions added from the localities’ zoning ordinances.



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**Figure B-3**  
**Second Stage Screening**  
**Resource Layers**



- **Long Range Transportation Plan:** a point layer and a line layer were created using data provided from the Richmond Regional Planning District Commission to illustrate all projected long range transportation plan projects for the Richmond Regional Planning District.
- **Station Planning:** three layers were created to depict station planning/station function. These datasets show existing station function uses, such as ADA accessible paths, ADA parking, bike lockers, buildings, bus stops, former station buildings, kiss & rides, parking, parking garages, pedestrian paths, pick-up/drop-off, platforms, platforms with shelters, shelters, short-term parking, skywalks, stairs to apartments from parking lots, station boundaries, station buildings, taxis, and WMATA locations.
- **Proposed Substations:** this layer was created to show the location and boundary of a proposed substation on Hermitage Road.
- **Section 6(f) Resources:** this layer originated from GIS features derived from existing features in the CEDAR database, and contains 6(f) properties within the project corridor. Section 6(f) properties are defined as sites funded by the Land and Water Conservation fund.
- **Comprehensive School Parcels:** this polygon layer contains the Section 4(f) schools data, as well as additional schools not categorized as Section 4(f), located within 3 miles of the rail centerlines. These additional school parcels were sourced from data provided by the twelve localities.
- **United States Geographic Names Information System Schools (GNIS):** this point layer containing school names was created utilizing the USGS-developed GNIS, which is the federal standard for geographic nomenclature. This layer provides coverage within 3 miles of the rail centerlines.
- **Central Business District Public Parking:** this layer was created using online resources, including Parkopedia, Best Parking, CityParking, and RideFinders. The layer contains all public parking facilities within the Central Business District in Richmond.
- **Community Centers:** this point layer contains the locations of community centers within three miles of the rail centerlines. Data were combined from municipality GIS layers and Parks & Recreation webpages, with the names and addresses of all community centers.
- **Fire Stations:** this point layer contains fire station locations from GNIS within three miles of the rail centerlines.
- **Government Buildings:** this point layer represents the government entities from the National Telecommunications Information Administration (NTIA) State Broadband Data Development Program (SBDD) Community Anchor Institutions (CAI) within three miles of the rail centerlines.
- **Hospitals:** this point layer represents the hospitals from GNIS located within three miles of the rail centerlines.
- **Hotels:** this point layer is limited to coverage for the City of Richmond and Henrico County. All hotels located near the existing and proposed station locations were included in this layer. This data derived from internet sources including Expedia, Hotels.com, and TripAdvisor.



- **Libraries:** this point layer was created using the USGS GNIS and US Institutions ESRI layer package to depict the locations of libraries within three miles of the rail centerlines.
- **Medical Buildings:** this point layer, derived from the US Institutions Layer package, was defined to show only medical facilities within a three mile buffer of the rail centerlines.
- **Museums:** this point layer was created using the USGS GNIS and US Institutions Layer package defined to show only museums within a three mile buffer of the rail centerlines.
- **Nursing Homes:** this point layer includes locations of nursing homes as catalogued by the US Department of Health and Human Services, clipped within a three mile buffer of the rail centerlines. To ensure accuracy, the information provided was cross-referenced with data from the Virginia Health Care Association, which lists licensed nursing and assisted living facilities in Virginia.
- **Places of Worship:** this point layer was created using the US Institutions ESRI layer package to provide the locations of places of worship within a three mile buffer of the rail centerlines.
- **Police Stations:** this point layer represents the NTIA SBDD Community Anchor Institutions (CAI) public safety entities within 3 miles of the rail centerlines.
- **Post Offices:** this point layer contains post office locations from the USGS GNIS within a three mile buffer of the rail centerlines.
- **Quaker Churches:** this layer was derived from an inventory list of Quaker churches. The locations were geocoded in GIS to create the resulting layer.
- **Sound Studios:** this layer was derived from an inventory list of sound studio names. The locations were geocoded in GIS to create the resulting layer.
- **Archaeology:** this data set is a digital representation of the archaeological resources that are documented by the Virginia Department of Historic Resources.
- **Architecture:** this data set is a digital representation of the architectural resources that are documented by the Virginia Department of Historic Resources.
- **Land Use:** land use data was provided by the Alexandria, Arlington County, Caroline County, Chesterfield County, Fairfax County, Fredericksburg, Henrico County, Prince William County, Richmond, Spotsylvania County, and Stafford County. The land use data from these 11 municipalities was categorized within the categories of commercial, open space, unknown, residential high/medium, residential low, and rural.
- **National Land Cover Dataset (NLCD):** this layer was created by combining raster datasets from DC, MD, and VA and converting the data into vector format. Current NLCD coverage has been created to the extent of 3 miles from the rail centerlines.
- **Habitat:** this dataset includes raster information on ground cover and habitat type descriptions within a three mile buffer of the rail centerlines. The following sources were used: Urban Tree Canopy Analysis of Virginia Localities (UTC) (Arlington, Ashland, Fredericksburg, Richmond) (Source: VGEP [http://gep.frec.vt.edu/va\\_utc.html](http://gep.frec.vt.edu/va_utc.html)), municipality land cover data (Prince William, Hanover, Henrico), and the "Terrestrial Habitats for the Northeast US and Atlantic Canada" (Source: TNC, 2014,

<http://www.conservationgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/terrestrial/habitatmap/Pages/default.aspx> [conservationgateway.org) and the project's potential wetland layer. Only data within a 500-foot buffer of the project centerline was reviewed for habitat classification accuracy against 2014. The raster data was converted to vector format for simplified analysis, map production, and integration in our project geodatabase. The data sources were ranked in the following order of priority/precedence based on the observed spatial and attribute accuracy: project's potential wetlands, Urban Tree Canopy data, municipality data and TNC 2014 Terrestrial Habitats for the Northeast US and Atlantic Canada.

- **Floodplains:** this layer was created using the National Flood Hazard Layer for the state, obtained from FEMA. A subset of this layer was created for coverage limited to the project extent, specifically the Bookend Alternatives boundary.
- **Resource Protection Areas:** this layer is a compilation of the mapped resource protection areas (RPA's) for the municipalities that intersect the project area, within the extent of the Bookend Alternatives Boundary.
- **Reservoir Overlay Districts:** this layer depicts Spotsylvania County's zoning overlay district and includes the watershed supply for each, or areas that could potentially supply public drinking water. This dataset was created for the purpose of protecting and promoting the public health, safety, and welfare by preserving existing and potential public drinking water supply reservoir sites and protecting them from the danger of water pollution.
- **Tidal Mean High Water Level:** this layer depicts the mean high water level within the extent of the Bookend Alternatives Boundary.
- **NHD Area:** this layer provides the location information for all channels, bays, inlets, bridges, canal ditches, dam weirs, flumes, hazard zones, inundation areas, levees, lock chambers, rapids, oceans, spillways, streams, rivers, submerged streams, washes, and water intake outflows. This dataset was created using the National Hydrography Dataset (NHD) framework, which is a feature-based database that interconnects and uniquely identifies the nation's surface water drainage system.
- **NHD Flowline:** this layer provides the location information for all artificial paths, canal ditches, coastlines, connectors, pipelines, streams, rivers, and underground conduits. This dataset was created using the National Hydrography Dataset (NHD) framework, which is a feature-based database that interconnects and uniquely identifies the nation's surface water drainage system.
- **NHD Line:** this layer provides the location information for all bridges, dam weirs, flumes, gates, levees, lock chambers, non-earthen shores, rapids, reefs, sink rises, sounding datum line, special use zone limits, tunnels, walls, and waterfalls. This dataset was created using the National Hydrography Dataset (NHD) framework, which is a feature-based database that interconnects and uniquely identifies the nation's surface water drainage system.
- **NHD Waterbody:** this layer provides the location information for all estuaries, ice masses, lakes, ponds, playas, reservoirs, swamps, and marshes within the Bookend

Alternative Boundary. This dataset was created using the National Hydrography Dataset (NHD) framework, which is a feature-based database that interconnects and uniquely identifies the nation's surface water drainage system.

- **NHD Waterbody Named Swamps:** this layer provides the location information for all swamps and marshes within the Bookend Alternative Boundary. This dataset was created using the National Hydrography Dataset
- **WBD HUC-4:** the watershed boundary dataset defines the area extent of surface water drainage to a point, accounting for all land and surface areas. These WBD features were delivered in the WBD dataset of the two HUC-4 NHDH geodatabases that intersect the DC2RVA project area within the Bookend Alternative Boundary.
- **WBD HUC-6:** the watershed boundary dataset defines the area extent of surface water drainage to a point, accounting for all land and surface areas. These WBD features were delivered in the WBD dataset and encompass the three HUC-6 codes that intersect the DC2RVA project area within the Bookend Alternative Boundary.
- **WBD HUC-8:** the watershed boundary dataset defines the area extent of surface water drainage to a point, accounting for all land and surface areas. These WBD features were delivered in the WBD dataset and encompass the HUC-8 codes that intersect the DC2RVA project area within the Bookend Alternative Boundary.
- **WBD HUC-10:** the watershed boundary dataset defines the area extent of surface water drainage to a point, accounting for all land and surface areas. These WBD features were delivered in the WBD dataset and encompass the HUC-10 codes that intersect the DC2RVA project area within the Bookend Alternative Boundary.
- **WBD HUC-12:** the watershed boundary dataset defines the area extent of surface water drainage to a point, accounting for all land and surface areas. These WBD features were delivered in the WBD dataset and encompass the HUC-12 codes that intersect the DC2RVA project areas within the Bookend Alternative Boundary.
- **Submerged Aquatic Vegetation:** there were 5 submerged aquatic vegetation layers developed: historic, 2010, 2011, 2012, and 2013. These layers represent the SAV aerial photographic monitoring program that provides a comprehensive and accurate measure of change in SAV relative abundance that has been used to link improving water quality to increases in bay living resources. The dataset contains all SAV areas that were identified in the areas flown. Some areas that are presumed to contain no SAV were not flown. The data was derived from the Virginia Institute of Marine Science Submerged Aquatic Vegetation dataset.
- **SSURGO Soils:** this layer was developed using the Soil Survey Geographic Database created by the ESRI Soils Team, and clipping the data to the 3 mile buffer from the DC2RVA rail centerlines.
- **Bald Eagle Nests:** this layer provides the locations of all known Bald Eagle nests along the project corridor. The data was compiled using the VA Eagles Nest Locator at <http://www.cbbirds.org/maps/#eagles>.
- **DGIF Ecological Value Assessment:** this layer was developed to synthesize important natural resource information in one geospatial layer for natural resource management, land use management, and awareness. The data was compiled from the Virginia



Department of Game and Inland Fisheries' Virginia Ecological Value Assessment dataset.

- **DGIF Priority Conservation Areas:** this layer provides natural resources information that is intended to guide conservation planning and efforts, in addition to ground surveys. The data was compiled from the Virginia Department of Game and Inland Fisheries' Priority Conservation Area dataset.
- **DGIF Wildlife Action Plan:** this dataset was created to highlight wildlife habitat conservation opportunities in Virginia. This data is a combination of the mapped habitat from 149 terrestrial species and 98 aquatic species. Of the 358 species in the Tiers, habitat was mapped for 247 species. These habitats were summarized to show areas of conservation opportunity.

**APPENDIX B: GIS DATA RECEIVED FOR D.C. TO RICHMOND SOUTHEAST HIGH SPEED RAIL**

Name	Type	Description	Source
<b>FEDERAL AGENCIES</b>			
<i>USDOT Bureau of Transportation Statistics</i>		Data received on October 9, 2014. <a href="http://www.rita.dot.gov/bts/sites/rita.dot.gov/bts/files/publications/national_transportation_atlas_database/2015/index.html">http://www.rita.dot.gov/bts/sites/rita.dot.gov/bts/files/publications/national_transportation_atlas_database/2015/index.html</a>	
Accident	Point	Layer received as accident.shp. Includes data regarding crash characteristics and the environmental conditions of all crashes between 1975-now for the United States.	
Freight Analysis Framework	Line	Layer received as faf_network.shp. The Freight Analysis Framework dataset integrates data from a variety of sources to create a comprehensive picture of freight movements among states and major metropolitan areas by all modes of transportation.	
Freight Analysis Framework Regions	Polygon	Layer received as faf_regions.shp. The FAF region boundaries are a geographic database of state and metropolitan boundaries for the United States. The database includes boundaries for all 123 regions including Washington D.C.	
Military Bases	Polygon	Layer received as milbase.shp. The dataset depicts the authoritative boundaries of the most commonly known Department of Defense (DoD) sites, installations, ranges, and training areas in the United States and Territories.	
MPO boundaries	Polygon	Layer received as mpo.shp. The United States Metropolitan Planning Organization database is a geographic database of Metropolitan Planning Organization political boundaries.	
Nation Bridge Inventory	Point	Layer received as nbi.shp. The NBI is a collection of information (database) describing the more than 600,000 of the Nation's bridges located on public roads, including Interstate Highways, U.S. highways, State and county roads, as well as publicly-accessible bridges on Federal lands.	
National Park Service Unit Boundaries	Polygon	Layer received as parks.shp. This dataset provides National Park Service Boundaries for the United States.	
Rail Lines	Line	Layer received as rail_lines.shp. The rail line dataset is a topological network that provides location and attributes information for use in network analysis applications.	
Rail Nodes	Point	Layer received as rail_nodes.shp. The rail nodes dataset supports the topological network that provides location and attributes information for use in network analysis applications.	
FRA Grade Crossings	Point	Layer received as rr_crossings.shp. FRA Grade Crossings is a spatial file that originates from the National Highway-Rail Crossing, Inventory Program. The program is to provide information to Federal, State, and local governments, as well as the railroad industry for the improvements of safety at highway-rail crossing.	
Travel Monitoring Analysis System Automatic Traffic Recorder Stations	Point	Received as tmas.shp. The data included in the GIS Traffic Stations Version database have been collected by the FHWA from the State DOTs. Location referencing information was derived from State offices of Transportation The attributes on the point elements of the database are used by FHWA for its Travel Monitoring and Analysis System and by State DOTs.	
Transit Links	Line	Layer received as transit_link.shp. Version 2004 of the Fixed-Guideway Transit Network is a network database of the nation's fixed-guideway transit systems. The data set covers systems in cities defined as FTA's universe of cities and includes heavy rail, light rail, monorail, cable car, inclined plane, and automated guideway.	
Transit Stations	Point	Layer received as transit_sta.shp. Version 2004 of the Fixed-Guideway Transit Network is a network database of the nation's fixed-guideway transit systems. The data set covers systems in cities defined as FTA's universe of cities and includes heavy rail, light rail, monorail, cable car, inclined plane, and automated guideway.	

Name	Type	Description	Source
<b>US Environmental Protection Agency</b>		Data received September 8, 2015. <a href="https://edg.epa.gov/data/">https://edg.epa.gov/data/</a>	
Facility Registry Service Facilities	Point	Layer received as Facilities. This layer provides information on facilities, sites, or places subject to environmental regulation or of environmental interest. The data was downloaded through the Geospatial Data Download Service, the EPA's Geodata shapefile containing facility and site information from the EPA's national programs systems.	
ACRES	Layer	Layer received as ACRES.lyr. This layer is EPA's Assessment Cleanup and Redevelopment Exchange System that displays the location and information on brownfields sites.	
AIRS AFS	Layer	Layer received as AIRS_AFS.lyr. This layer is EPA's Air Facility System that displays the locations and associated information for stationary sources of air pollution.	
AIRS AFS MAJOR	Layer	Layer received as AIRS_AFS_MAJOR.lyr. This layer is EPA's Air Facility System Major Discharger dataset that provides information on sites where the actual or potential emissions are above the applicable major source thresholds or where the actual or potential controlled emissions are greater than 100 tons per year, or where there are unregulated pollutant actual or potential controlled emissions.	
AIRS AQS	Layer	Layer received as AIRS_AQS.lyr. This layer is EPA's Air Quality System that contains ambient air pollution data collected by EPA, state, local, and tribal air pollution control agencies from over thousands of monitors.	
BIA	Layer	Layer received as BIA.lyr. This layer is EPA's Bureau of Indian Affairs dataset that provides location information and associated data regarding schools on Indian Land.	
BRAC	Layer	Layer received as BRAC.lyr. This layer is EPA's Base Realignment and Closure facilities dataset.	
CAMDBS	Layer	Layer received as CAMDBS.lyr. This layer is EPA's Clean Air Markets Division Business System that provides information on market-based air pollution control programs.	
CERCLIS	Layer	Layer received as CERCLIS.lyr. This layer is EPA's Comprehensive Environmental Response, Compensation, and Liability Information System dataset that provides location and associated information for hazardous waste sites.	
CERCLIS NPL	Layer	Layer received as CERCLIS_NPL.lyr. This layer is EPA's Comprehensive Environmental Response, Compensation, and Liability Information System's National Priorities List dataset that provides locations and associated information of hazardous waste sites listed on the National Priorities List.	
ICIS	Layer	Layer received as ICIS.lyr. This layer is EPA's Integrated Compliance Information System dataset that provides integrated enforcement and compliance information.	
<b>Federal Emergency Management Agency</b>		Data received on June 8, 2015. <a href="https://msc.fema.gov/portal/availabilitySearch?addcommunity=510129&amp;communityName=CITY%20OF%20RICHMOND#searchresultsanchor">https://msc.fema.gov/portal/availabilitySearch?addcommunity=510129&amp;communityName=CITY%20OF%20RICHMOND#searchresultsanchor</a>	
National Flood Hazard Layer	Polygon	Layer received as NFHL_51_20150608. This layer provided all 100-year and 500-year floodplain data for the state of Virginia.	
<b>Federal Railroad Administration</b>		Data received on June 25, 2015. <a href="https://www.fra.dot.gov/Page/P0053">https://www.fra.dot.gov/Page/P0053</a>	



Name	Type	Description	Source
Highway Crossings	DBF	This table provides information on all highway rail crossings within the project corridor.	
Public Crossings	DBF	This table provides information on all private rail crossings within the project corridor.	
Private Crossings	DBF	This table provides information on all public rail crossings within the project corridor.	
<b>US Census Bureau</b>			Data received on November 17, 2014. <a href="https://www.census.gov/geo/maps-data/data/tiger.html">https://www.census.gov/geo/maps-data/data/tiger.html</a>
Block Groups	Polygon	Layer received as tl_2013_51_bg.shp. This dataset represents Census Block Group boundaries for the State of Virginia.	
Roads	Line	Layer received as tl_2013_51_prisecroads.shp. This dataset represents the geographic locations and names of roads in the State of Virginia.	
Tracts	Polygon	Layer received as cb_2013_51_tract_500k.shp. This dataset represents Census Tract boundaries for the State of Virginia.	
Urban Areas	Polygon	Layer received as tl_2014_us_uac10.shp. This dataset was created to depict boundaries around urban areas for the United States. After each decennial census, the Census Bureau delineates urban areas that represent densely developed territory, encompassing residential, commercial, and other nonresidential urban land uses. In general, this territory consists of areas of high population density and urban land use resulting in a representation of the "urban footprint." There are two types of urban areas: urbanized areas (UAs) that contain 50,000 or more people and urban clusters (UCs) that contain at least 2,500 people, but fewer than 50,000 people (except in the U.S. Virgin Islands and Guam which each contain urban clusters with populations greater than 50,000). Each urban area is identified by a 5-character numeric census code that may contain leading zeroes.	
DC Population Projections	Polygon	Layer received as DC_PopulationProjections.shp. This dataset represents Traffic Analysis Zone population projections through the year 2040 for Washington D.C.	
<b>National Atlas of the United States (USGS)</b>			Data received on October 6, 2014. <a href="http://nationalmap.gov/small_scale/atlasftp.html">http://nationalmap.gov/small_scale/atlasftp.html</a>
Military Installations Ranges Training Areas BND	Polygon	Layer received as MILITARY_INSTALLATIONS_RANGES_TRAINING_AREAS_BND. This geospatial dataset contains the boundary locations of 818 Department of Defense sites.	
Military Installations Ranges Training Areas PT	Point	Layer received as MILITARY_INSTALLATIONS_RANGES_TRAINING_AREAS_PT. This geospatial dataset contains the point locations of 818 Department of Defense sites.	
Amtrak Railroad and Bus Terminals	Point	Layer received as amtrakx010g. This map layer show Amtrak intercity railroad and bus passenger terminals in the United States.	
Amtrak Railroad Terminals	Point	Layer received as rstatp_usa. This map layer includes Global Map data showing Amtrak intercity railroad terminals in the United States. The data are a modified version of the National Atlas of the United States dataset of railroad and bus passenger stations of the United States.	
<b>National Hydrography Dataset</b>			Data received on November 11, 2014, November 26, 2014, and June 17, 2015. <a href="http://viewer.nationalmap.gov/viewer/nhd.html?p=nhd">http://viewer.nationalmap.gov/viewer/nhd.html?p=nhd</a>

Name	Type	Description	Source
Hydro NET	File Database Geometric Network	Layer received as HYDRO_NET. This feature class contains the geometric network for the Hydrography Dataset with assigned flow direction for flowline features. Hydro_NET is a ESRI utility network.	
Hydro NET Junctions	Point	Layer received as HYDRO_NET_Junctions. This feature class contains the geometric network for the Hydrography dataset with assigned flow direction for flowline features. Hydro_NET_Junctions contains points for all flowline start and end nodes.	
NHD Area	Polygon	Layer received as NHDArea. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. The NHDArea dataset represents areal hydrographic landmark features.	
NHD Area Event FC	Polygon	Layer received as NHDAreaEventFC. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. An area event must be tied to an NHDWaterbody. Area Events are built into the NHD model but are not accepted back into the National Database. They are meant to be used on an individual basis.	
NHD Flowline	Line	Layer received as NHDFlowline. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. The NHDFlowline dataset consists of routes that make up a linear surface water drainage network. Flowlines have a reach code and a measure, allowing for the establishment of upstream/downstream relationships.	
NHD Line	Line	Layer received as NHDLine. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. The NHDLine dataset represents linear NHD hydrographic landmark features used for cartographic representation.	
NHD Line Event FC	Line	Layer received as NHDLineEventFC. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplied, fish habitat areas, wild and scenic rivers. The NHDLineEventFC dataset is used to attach information about a flowline segments to the NHD. Linear events are built into the NHD Model but are not accepted back into the National Database.	
NHD Point	Point	Layer received as NHDPoint. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplied, fish habitat areas, wild and scenic rivers. The NHDPoint dataset contains points representing NHD hydrographic landmark features. Some points may have reach codes.	
NHD Point Event FC	Point	Layer received as NHDPointEventFC. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplied, fish habitat areas, wild and scenic rivers. The NHDPointEventFC dataset is tied to specific locations on a stream network by a reach code and a measure.	
NHD Waterbody	Polygon	Layer received as NHDWaterbody. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplied, fish habitat areas, wild and scenic rivers. The NHDWaterbody dataset contains regions representing areal NHD hydrographic waterbody features. Some waterbody features such as LakePond, Reservoir, and Estuary must have a reach code. SwampMarsh may have a reach code. Ice Mass and Playa do not have reach codes.	
WBDHU10	Polygon	Layer received as WBD_HU10. The WBDHU10 dataset are areas that have a 10-digit HUC code and are the 5th level of division of the Watershed Boundary Dataset.	
WBDHU12	Polygon	Layer received as WBD_HU12. The WBDHU12 dataset are areas that have a 12-digit HUC code and are the 3rd level of division of the Watershed Boundary Dataset.	
WBDHU16	Polygon	Layer received as WBD_HU16. The WBDHU16 dataset are areas that have a 16-digit HUC code and are the smallest level of division of the Watershed Boundary Dataset.	
WBDHU2	Polygon	Layer received as WBD_HU2. The WBDHU2 dataset are areas that have a 2-digit HUC code and are the largest Watershed Boundary Dataset unit. A region is composed of many sub-regions.	
WBDHU4	Polygon	Layer received as WBD_HU4. The WBDHU4 dataset are areas that have a 4-digit HUC code and are the second largest Watershed Boundary Dataset unit.	

Name	Type	Description	Source
WBDHU6	Polygon	Layer received as WBD_HU6. The WBDHU6 dataset are areas that have a 6-digit HUC code and are the 6th level of division of the Watershed Boundary Dataset.	
WBDHU8	Polygon	Layer received as WBD_HU8. The WBDHU8 dataset are areas that have an 8-digit HUC code and are the 4th level of division of the Watershed Boundary Dataset.	
WBDLine	Line	Layer received as WBD_Line. The WBDLine feature class is what gets edited in the Watershed Boundary Dataset editing process and in conjunction with the WBD_Point feature class, is used to generate WBD Polygons.	
<b>National Land Cover Dataset</b>			Data received on January 5, 2015. <a href="http://www.mrlc.gov/nlcd11_data.php">http://www.mrlc.gov/nlcd11_data.php</a>
NLCD 2011 Land Cover for DC	Raster	Layer received as nlcd_dc_utm18. The dataset includes complete, current, and consistent public domain information on land use and land cover.	
NLCD 2011 Land Cover for Maryland	Raster	Layer received as nlcd_md_utm18. The dataset includes complete, current, and consistent public domain information on land use and land cover.	
NLCD 2011 Land Cover for Virginia	Raster	Layer received as nlcd_va_utm18. The dataset includes complete, current, and consistent public domain information on land use and land cover.	
<b>National Oceanic and Atmospheric Administration</b>			Data received on June 9, 2015, June 25, 2015, August 11, 2015, and August 19, 2015. <a href="http://coast.noaa.gov/digitalcoast/">http://coast.noaa.gov/digitalcoast/</a>
Channels	Line	Layer received as channels. This dataset was digitized based on the deepest contours, channel slope, channel width, and bottom geomorphology.	
Virginia Land Cover	Raster	Layer received as va_2010_ccap_land_cover. This dataset is the 2010-era classification of US Mid-Atlantic. This dataset utilized 14 full or partial landsat scenes which were analyzed according to the coastal change analysis program (C-CAP) protocol to determine land cover.	
Maryland Land Cover	Raster	Layer received as md_2010_ccap_land_cover. This dataset is the 2010-era classification of US Mid-Atlantic. This dataset utilized 14 full or partial landsat scenes which were analyzed according to the coastal change analysis program (C-CAP) protocol to determine land cover.	
Chesapeake Bay Bathymetry	Raster	Layer received as M130_GI. The Bathymetry for the Chesapeake Bay dataset was derived from two hundred and ninety-seven surveys containing 3,178,509 soundings.	
<b>Natural Resources Conservation Service (USDA)</b>			Data received on September 2, 2015. <a href="http://www.nrcs.usda.gov/wps/portal/nrcs/main/va/technical/dma/gis/">http://www.nrcs.usda.gov/wps/portal/nrcs/main/va/technical/dma/gis/</a>
Ownership	Polygon	Vector dataset provides the boundaries of public land ownership, management and conservation lands nationally, including voluntarily provided privately protected areas	
<b>National Wetlands Inventory</b>			Data received on October 22, 2014 and December 1, 2014. <a href="http://www.fws.gov/wetlands/data/Data-Download.html">http://www.fws.gov/wetlands/data/Data-Download.html</a>

Name	Type	Description	Source
HU8_02080207 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080207, located in the Appomattox area.	
HU8_02080207 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02080207 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080207 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02070010 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02070010, surrounding the Arlington and Woodbridge areas.	
HU8_02070010 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02070010 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02070010 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02070011 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02070011, surrounding the Woodbridge and Stafford areas.	
HU8_02070011 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02070011 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02070011 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02080104 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080104 in the City of Fredericksburg and Spotsylvania County.	

Name	Type	Description	Source
HU8_02080104 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02080104 Wetland Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080104 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02080105 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080105, surrounding the areas of Spotsylvania County and Ruther Glen.	
HU8_02080105 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02080105 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080105 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02080106 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080106, surrounding the areas of Ruther Glen and Ashland, Virginia.	
HU8_02080106 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02080106 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080106 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02080205 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080205, in the Richmond area.	
HU8_02080205 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	



Name	Type	Description	Source
HU8_02080205 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080205 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
HU8_02080206 Watershed	Polygon	This dataset represents the watershed boundaries for the Hydrologic Unit 02080206, in the areas of Ashland and Chesterfield County.	
HU8_02080206 Wetlands	Polygon	This data set represents the extent, approximate location and type of wetlands and Deepwater habitats in the United States and its Territories. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include sea grasses or submerged aquatic vegetation that are found in the intertidal and sub tidal zones of estuaries and near shore coastal waters.	
HU8_02080206 Wetlands Historic Map Information	Polygon	This data set represents the extent and location of historic wetland map reports generated by the U.S. Fish and Wildlife Service, cooperators, and contractors. These reports contain general information on the geography, climate, soils, vegetation and wetland communities of mapped area.	
HU8_02080206 Wetlands Project Metadata	Polygon	This data set represents the extent, status, and location of current NWI historic wetland mapping projects.	
<b>The Nature Conservancy</b>			Data received on June 9, 2015. <a href="http://maps.tnc.org/gis_data.html">http://maps.tnc.org/gis_data.html</a>
NE Terrestrial Habitats	Layer	Layer received as NE Terrestrial Habitats. This dataset is a 30 meter grid that maps upland and wetland wildlife habitats/ecological systems for the Northeast, including all 13 states from Maine to Virginia, west to New York, Pennsylvania, and West Virginia.	
Northeast Terrestrial Habitat Map	Raster	Layer received as syst_ne141611. The purpose of this mapping effort is to provide a common framework and language for conservation planning and wildlife management across jurisdictional borders. The NE Terrestrial Habitat Map is designed to provide a standardized and consistent habitat and ecosystem classification and multiple scales across states, facilitate interstate communication about habitats, offer managers a tool for understanding regional biodiversity patterns, and allow for more effective and efficient habitat conservation across the region.	
<b>Submerged Aquatic Vegetation</b>			Data received on May 13, 2015. <a href="http://web.vims.edu/bio/sav/gis_data.html">http://web.vims.edu/bio/sav/gis_data.html</a>
SAV Beds 2010	Polygon	These layers represent the SAV aerial photographic monitoring program that provides a comprehensive and accurate measure of change in SAV relative abundance that has been use to link improving water quality to increases in bay living resources. The dataset contains all SAV areas that were identified in the areas flown. Some areas that are presumed to contain no SAV were not flown. The data was derived from the Virginia Institute of Marine Science Submerged Aquatic Vegetation dataset.	
SAV Beds 2011	Polygon	These layers represent the SAV aerial photographic monitoring program that provides a comprehensive and accurate measure of change in SAV relative abundance that has been use to link improving water quality to increases in bay living resources. The dataset contains all SAV areas that were identified in the areas flown. Some areas that are presumed to contain no SAV were not flown. The data was derived from the Virginia Institute of Marine Science Submerged Aquatic Vegetation dataset.	
SAV Beds 2012	Polygon	These layers represent the SAV aerial photographic monitoring program that provides a comprehensive and accurate measure of change in SAV relative abundance that has been use to link improving water quality to increases in bay living resources. The dataset contains all SAV areas that were identified in the areas flown. Some areas that are presumed to contain no SAV were not flown. The data was derived from the Virginia Institute of Marine Science Submerged Aquatic Vegetation dataset.	

Name	Type	Description	Source
SAV Beds 2013	Polygon	These layers represent the SAV aerial photographic monitoring program that provides a comprehensive and accurate measure of change in SAV relative abundance that has been use to link improving water quality to increases in bay living resources. The dataset contains all SAV areas that were identified in the areas flown. Some areas that are presumed to contain no SAV were not flown. The data was derived from the Virginia Institute of Marine Science Submerged Aquatic Vegetation dataset.	
<b>Soil Survey Geographic Database (NRCS-USDA)</b>			Data received on May 13, 2015. <a href="http://www.arcgis.com/apps/OnePane/basicviewer/index.html?appid=a23eb436f6ec4ad6982000dbaddea5ea">http://www.arcgis.com/apps/OnePane/basicviewer/index.html?appid=a23eb436f6ec4ad6982000dbaddea5ea</a>
Appomattox Soils	Map Package	Map package received as Appomattox_02080207.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Lower James Soils	Map Package	Map package received as Lower James_02080206.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Lower Potomac Soils	Map Package	Map package received as Lower Potomac_0207011.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Lower Rappahannock Soils	Map Package	Map package received as LowerRappahannock_02080104.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Mattaponi Soils	Map Package	Map package received as Mattaponi_02800105.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Middle James Soils	Map Package	Map package received as MiddleJamesWillis_02080205.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Middle Potomac/Anacostia/Occoquan Soils	Map Package	Map package received as MiddlePotomacAnacostiaOccoquan_02070010.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
Pamunkey Soils	Map Package	Map package received as Pamunkey_02080106.mpk. This dataset provided from the Soil Survey Geographic Database provides information about soils within the represented 8-digit HUC codes in the map package title.	
<b>STATE AGENCIES</b>			
<b>Virginia Department of Transportation - Comprehensive Environmental Data and Reporting System</b>			Geraldine Jones Geraldine.Jones@vdot.virginia.gov Data received on October 23, 2014, March 31, 2015, and April 3, 2015.
Anadromous Fish Habitat	Polygon	Layer received as SDE_DGIF_ANADROMOUS. This dataset identifies reaches that are confirmed or potential migration pathways, spawning grounds, or nursery areas for anadromous fish in the Commonwealth of Virginia.	
Waterbird Nesting Locations	Polygon	Layer received as SDE_DGIF_COLWATERBIRD. This is a statewide coverage consisting of a polygon shapefile and an associated data file which have been linked together providing a geographic representation of known water bird nesting locations in the Commonwealth of Virginia.	
Threatened and Endangered Waters	Line	Layer received as SDE_DGIF_TE_WATER_SEG. This information identifies and delineates the boundaries of stream reaches containing federal and state threatened or endangered aquatic species in the Commonwealth of Virginia.	

Name	Type	Description	Source
Battlefield Boundaries	Polygon	Layers received as SDE_NPS_2014_BTFLD_POT_NRAREA, SDE_NPS_BATTLEFLD_CORE_AREA, and SDE_NPS_BATTLEFLD_STUDY_AREA. The original purpose of this data set was to provide an update to the Civil War Sites Advisory Commission Report on the Nation's Civil War Battlefields (1993) and the accompanying data on the location and historic extent of 384 principal battlefields of the American Civil War in the Commonwealth of Virginia.	
The Nature Conservancy Conservation Lands	Polygon	Layer received as SDE_TNC_CNSRV_LND. This data set represents boundaries of properties in which The Nature Conservancy in Virginia has a legal interest.	
VDCR Conservation Lands	Polygon	Layer received as SDE_VDCR_CNSRV_LND. This dataset contains the boundaries for lands of conservation and recreational interest in Virginia. Combined Federal, State and Private conservation lands, including USDA National Forest Service property, US National Park Service property, US Fish and Wildlife Service (USFWS) property, VA Department of Forestry (VDof) property, VA Department of Game and Inland Fisheries (VDGIF) Wildlife Management Units, VA Department of Conservation and Recreation (VDCR) State Parks and preserves and The Nature Conservancy property.	
USGS Quad Grids	Polygon	Layer received as SDE_USGS_QUAD_GRID. As part of its topographic map series, the USGS produces a quadrangle grid for the state of Virginia. Each grid represents the topographic land area covered by 7.5-minute quadrangle maps.	
EPA Hazardous Materials Data	Point	Layer received as SDE_VA_EPA_MASTER. To improve public health and the environment, the United States Environmental Protection Agency (USEPA) collects information about facilities, sites, or places subject to environmental regulation or of environmental interest. Through the Geospatial Data Download Service, the public is now able to download the EPA Geodata shapefile containing facility and site information from EPA's national program systems.	
Virginia Jurisdictions	Polygon	Layer received as SDE_VA_JURISDICTIONS_4. This data set contains the jurisdiction boundaries for all counties (96), cities (40), and towns (195) in the Commonwealth of Virginia.	
Land and Water Conservation Fund 6(f) Properties	Point	Layer received as SDE_VDCR_LWCF6f. This dataset is statewide point coverage of the properties in Virginia that were funded through the Land & Water Conservation Fund 6(f) as provided by the National Park Service.	
Natural Heritage Screening Coverage	Polygon	Layer received as SDE_VDCR_NTRL_HRTG_SCRN. Conservation sites are polygons built around one or more rare plant or animal, or significant natural community or geological feature.	
VDEQ Air Monitoring Site Locations	Point	Layer received as SDE_VDEQ_AIR_MONITORING_STA. This data set is an Arc/Info point coverage describing the location of air quality monitoring sites as collected by the Virginia Department of Environmental Quality.	
VDEQ Air Pollution Zones	Polygon	Layer received as SDE_VDEQ_AIR_POLLUTION_ZONE_1. This data displays the geographic location of cities, towns, and counties within the Commonwealth of Virginia that are, or have been air quality nonattainment areas based on the EPA's National Ambient Air Quality Standards (NAAQS) for ozone, volatile organic compounds (VOC), particulate matter (PM-fine), and carbon monoxide (CO).	
VDEQ Petroleum Facilities	Point	Layer received as SDE_VDEQ_PETRO_REGISTER_FACIL. This data set was created for use by VA DEQ, and internally by VDOT in various GIS-based applications that are made available to VDOT employees.	
Petroleum Release Sites	Point	Layer received as SDE_VDEQ_PTROLM_RLS_SITES. The purpose of this data set is to provide a geographic representation of the location of petroleum release sites identified by the Virginia Department of Environmental Quality (VDEQ).	
RCRA Corrective Action Restricted Sites	Point	Layer received as SDE_VDEQ_UECA_RCRA. The layer is intended to provide DEQ employees (through VEGIS, ARCGIS Explorer), other state agencies, and the public (through What's in my backyard, DEQ GIS downloads) information on the status of each hazardous waste facility in the RCRA Corrective Action program.	
VRP Restricted Sites	Point	Layer received as SDE_VDEQ_UECA_VRP. Development of GIS layer for VRP sites showing facilities with certification and non certification, and the respective attributes.	

Name	Type	Description	Source
Public Boat Ramps	Point	Layer received as SDE_BDGIF_BOAT_RAMPS. This dataset contains point location information for Virginia Department of Game and Inland Fisheries' (VDGIF) owned or managed public boating access sites.	
Threatened and Endangered Species	Polygon	Layer received as SDE_VDGIF_TE_SPECIES. This dataset contains known occurrences of federal or state listed wildlife species in Virginia. This includes any fish, amphibians, reptiles, mammals, birds, aquatic mollusks, aquatic crustaceans, aquatic insects, other aquatic invertebrates, terrestrial insects, other terrestrial invertebrates, marine mammals, and plants within Virginia Department of Game and Inland Fisheries' (VDGIF) Species Observation (SppObs) Database.	
Trout Streams	Polygon	Layer received as SDE_VDGIF_TROUT_STREAMS. These data represent the Virginia Department of Game and Inland Fisheries (VDGIF) cold water, or trout, streams.	
Groundwater Sources	Point	Layer received as SDE_VDH_GNDWTR_SRC. This dataset contains all public ground water sources (excluding private wells and springs) in Virginia.	
Surface Water Intakes	Point	Layer received as SDE_VDH_SRFC_WTR_INTK. This dataset contains all public surface water sources in Virginia.	
Surface Water Intake Watersheds	Polygon	Layer received as SDE_VDH_SFRC_WTR_INTK_WTRSHD. The Virginia Surface Water Intake Watersheds layer is presented within the VDOT Environmental GIS Integrator application to provide the VDOT Environmental Division with information on public water supply watershed locations to supplement their analyses.	
Archaeology	Polygon	Layer received as SDE_VDHR_ARCLGY. This data set is a digital representation of the archaeological resources that are documented by the Virginia Department of Historic Resources.	
Architecture	Polygon	Layer received as SDE_VDHR_ARCTCT. This data set is a digital representation of the architectural resources that are documented by the Virginia Department of Historic Resources.	
Agricultural and Forestal Districts	Polygon	Layer received as SDE_VDOF_AG_FOREST_DIST. This dataset contains the parcel boundaries within the Agricultural and Forestal Districts in Virginia.	
Forest Cover	Polygon	Layer received as SDE_VDOF_FOREST_COVER. VFCM was developed to provide an estimation of forest area in the state, to provide baseline data for forest health, disturbance and harvest monitoring, and for examination of forest fragmentation.	
Riparian Forest Buffers	Polygon	Layer received as SDE_VDOF_RIPARIAN_FORESTBUFFER. This data set contains polygon coverage of Riparian Forest Buffers in the Chesapeake Bay Watershed in Virginia.	
Loggerch Habitat	Line	Layers received as SDE_VDOT_LOGPERCH_NOT and SDE_VDOT_LOGPERCH_ROANOKE. This dataset represents stream reaches that contain potential or confirmed suitable habitat for the endangered Roanoke loggerch ( <i>Percina rex</i> ).	
Tidal Waters	Polygon	Layer received as SDE_VDOT_TIDAL_WATERS. VDOT developed this data layer, which is an edited subset of the National Wetland Inventory maps (2014 data set) that encompasses tidal saline and tidal fresh open water systems, as delineated at the 1:24,000 scale.	
Landfill	Point	Layer received as SDE_VEDP_ACT_LANDFILL. The purpose of this data set is to provide a geographic representation of the location of each active solid waste management facility in the Commonwealth.	
Solid Waste Management Facilities	Point	Layer received as SDE_VEDP_SOLID_WASTE_NG_FCLTY. A statewide coverage of solid waste management facilities was developed at the Virginia Economic Development Partnership to aid in the process of selecting industrial sites for new industries and businesses.	

Name	Type	Description	Source
"Baylor" Historic Oyster Beds	Line	Layer received as SDE_VIMS_BAYLOR_OYSTER. This data set consists of sets of polylines delineating the location of "Baylor" Historic Oyster Beds and Grounds. The Constitution of Virginia, Article XI, guarantees that the natural oyster beds, rocks and shoals be reserved for public use.	
Protected Easements	Polygon	Layer received as SDE_VOF_PROTECTED_EASE. This dataset contains open-space easements that have been donated by private entities to the Virginia Outdoors Foundation since its establishment in 1966.	
<b>Virginia Department of Transportation</b>			Geraldine Jones Geraldine.Jones@vdot.virginia.gov Data received on October 23, 2014, March 3, 2015, March 23, 2015, and August 12, 2015.
VDOT Mitigation Site BYDS	Polygon	Layer Received as VDOTMitSiteBYDS. This dataset provides the names, locations, and boundaries of mitigation banks in Virginia.	
VDOT Mitigation Site Point	Point	Layer received as VDOTMitSitePoint. This dataset provides the names and location of mitigation banks in Virginia.	
VSTP 2035 Existing Recommendations	Line	Layer received as VSTP2035Update_ExistingRecs. This dataset provides the location and extent of the existing recommended planned projects in the VSTP 2035 Plan.	
VSTP 2035 New Alignments	Line	Layer received as VSTP2035Update_NewAlignments. This dataset provides the location and extent of proposed new alignment projects in the VSTP 2035 Plan.	
VSTP 2035 Spot Improvements	Point	Layer received as VSTP2035Update_SpotImprovements. This dataset provides the location of proposed Spot Improvement Projects in the VSTP 2035 Plan.	
<b>Virginia Department of Game and Inland Fisheries</b>			Data received on April 9, 2015. <a href="http://www.dgif.virginia.gov/gis/gis-data.asp">http://www.dgif.virginia.gov/gis/gis-data.asp</a>
Essential Fish Habitats Tier 1 and 2	Raster	The EssHabTier1_2 raster shows the number of Tier 1, 2 or listed species with mapped potential or confirmed essential habitat across Virginia. These data were created as part of the Virginia Wildlife Action Plan (WAP). This is a combination of mapped habitat from 149 terrestrial species and 98 aquatic species. Of the 358 species in these Tiers, habitat was mapped for 247 species. These habitats were summarized to show areas of conservation opportunity.	
Priority Conservation Areas	Polygon	This layer provides natural resources information that is intended to guide conservation planning and efforts, in addition to ground surveys. The data was compiled from the Virginia Department of Game and Inland Fisheries' Priority Conservation Area dataset.	
Priority Wildlife Diversity Conservation Areas	Raster	The Priority Wildlife Diversity Conservation Areas dataset highlights areas with the presence of unfragmented habitat, wetlands, identified habitat for rare species, and/or special wildlife features such as wetland colonies, designated important bird areas, or anomomous fish use areas. Areas are also included in the PWDCa if they border these features providing a minimum protective buffer.	
<b>Virginia Base Map Program</b>			Data received on October 14, 2014. <a href="http://www.vita.virginia.gov/isp/default.aspx?id=12118">http://www.vita.virginia.gov/isp/default.aspx?id=12118</a>
Rail	Line	Layer received as Rail.shp. This dataset was created by the Virginia Base Map program to depict the geographic locations, operating organizations, and identifying the passenger rail lines within the State of Virginia.	
RCL	Line	Layer received as RCL. The Virginia Geographic Information Network (VGIN) has coordinated and manages the development of a consistent, seamless, statewide digital road centerline file with address, road name, and state route number attribution, as part of the Virginia Base Mapping Program (VBMP). The Road Centerline Program (RCL) leverages the Commonwealth's investment in the VBMP digital orthophotography and is focused on creating a single statewide, consistent digital road file. The RCL data layer is a dynamic dataset supported and maintained by Virginia's Local Governments, VDOT, and VGIN. VBMP RCL is extracted and provided back to local governments and state agencies in many geographic data sets every quarter.	



Name	Type	Description	Source
<b>Virginia Department of Conservation and Recreation</b>			Data received on April 14, 2015. <a href="http://www.dcr.virginia.gov/natural-heritage/clinfo#use">http://www.dcr.virginia.gov/natural-heritage/clinfo#use</a>
Conservation Prioritization by Wetland	Polygon	Layer received as ConservationPrioritizationByWetland. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
Conservation Summary By Parcels	Polygon	Layer received as ConservationSummaryByParcels. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
Conservation Summary By Sub watershed	Polygon	Layer received as ConservationSummaryBySubwatershed. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
Restoration Prioritization by Wetland	Polygon	Layer received as RestorationPrioritizationByWetland. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
Restoration Summary by Parcels	Polygon	Layer received as RestorationSummaryByParcels. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
Restoration Summary by Sub watershed	Polygon	Layer received as RestorationSummaryBySubwatershed. The dataset provides prioritized wetlands for restoration, mitigation, and conservation, and summarized the results by parcel and wetland boundaries.	
<b>Virginia Economic Development Partnership</b>			Data received on December 12, 2014. <a href="http://gis.yesvirginia.org/datasets?sort_by=name">http://gis.yesvirginia.org/datasets?sort_by=name</a>
Higher Education	Point	Layer received as Higher_Ed. This dataset shows locations of four year colleges and universities, community colleges, and vocational centers.	
Private Schools	Point	Layer received as privateschools03_04. This dataset shows locations of private schools in Virginia.	
Virginia Public Schools	Point	Layer received as VA_Public_Schools_2014. This dataset shows locations of public schools in Virginia.	
<b>Virginia Department of Forestry</b>			Data received on June 8, 2015. <a href="http://www.dof.virginia.gov/gis/download/index.htm">http://www.dof.virginia.gov/gis/download/index.htm</a>
Agricultural and Forestal Districts - North	Polygon	Layer received as FINAL_AFD_NORTH_2014. This layer provides the locations of all Agricultural and Forestal Districts in Northern Virginia.	
Agricultural and Forestal Districts - South	Polygon	Layer received as FINAL_AFD_SOUTH_2014. This layer provides the locations of all Agricultural and Forestal Districts in Southern Virginia.	
Forest Legacy Areas	Polygon	Layer received as Forest_Legacy_2012. This layer depicts Forest Legacy Areas, these areas are those that protect water quality, provide habitat, forest products, and opportunities for recreation and other public benefits.	

Name	Type	Description	Source
Forest Conservation Value	Polygon	Layer received as FCV_statewide_poly. This layer depicts Forest Conservation Value areas, which are Forest Stewardship Council forest management designation used to describe those forests who meet the criteria defined by the FSC Principles and Criteria of Forest Stewardship.	
Arlington Land Cover	Raster	Layer received as Arlington_LandCover_Improved.img. This dataset was created b the Virginia Department of Forestry's Division of Resource Information ti display land cover classifications for Arlington County.	
Ashland Land Cover	Raster	Layer received as Ashland_LandCover_Improved.img. This dataset was created b the Virginia Department of Forestry's Division of Resource Information ti display land cover classifications for the City of Ashland.	
Fredericksburg Land Cover	Raster	Layer received as Fredericksburg_LandCover_Improved.img. This dataset was created b the Virginia Department of Forestry's Division of Resource Information ti display land cover classifications for Fairfax County.	
Open Lands Tree Planting Initiative	Polygon	Three layers were received: open_lands_blackwater_waverly_meherrin.shp, open_lands_newriver_piedmont.shp, open_lands_rapidan_jefferson.shp. The Open Lands Tree Planting Initiative from the Virginia Department of Forestry, is designed to prevent the loss of forestland in the State of Virginia. None of the Open Lands areas are located within the project corridor.	
Virginia State Forests	Geodatabase	Geodatabase received as VirginiaStateForests2014_VASF2014_20150608. This geodatabase contained approximately 300 feature classes providing data about various aspects of Virginia's State Forests. There were no state forests within the project area.	
<b>Virginia Geographic Information Network</b>			Data received on October 3, 2014 and January 26, 2015. <a href="http://www.vita.virginia.gov/isp/default.aspx?id=8422">http://www.vita.virginia.gov/isp/default.aspx?id=8422</a>
Road Centerlines	Line	Layer received as RCL, with additional layer files received at different distances, but still as a part of the RCL layer. The Road Centerline Program leverages the Commonwealth's investment in the VBMP digital orthophotography and is focused on creating a single statewide, consistent digital road file.	
Virginia Rail	Line	Layer received as VA_Rail. This dataset provides the location of all existing rail lines in Virginia.	
<b>Washington Metropolitan Area Transit Authority</b>			Data received on May 28, 2015. <a href="http://opendata.dc.gov/datasets?q=metro&amp;sort_by=relevance">http://opendata.dc.gov/datasets?q=metro&amp;sort_by=relevance</a>
DC Metro	Layer file	Layer received as DC_Metro.lpk. This dataset includes all metro lines and metro stations with WMATA symbology on the attributes.	
Metro Lines	Line	Layer received as metro_lines. This dataset shows the location of all metro lines operated by WMATA.	
Metro Stations	Point	Layer received as metro_stations. This dataset shows the location and names of WMATA metro stations.	
<b>Traffic Analysis Zones</b>			Data received on April 27, 2015 and June 8, 2015. <a href="https://gis.mwcog.org/webmaps/rtdc/">https://gis.mwcog.org/webmaps/rtdc/</a>
Fredericksburg Area TAZ 2010	Polygon	Layer represents the projected population in the year 2010 for the Fredericksburg area.	

Name	Type	Description	Source
Fredericksburg Area TAZ 2020	Polygon	Layer represents the projected population in the year 2020 for the Fredericksburg area.	
Fredericksburg Area TAZ 2030	Polygon	Layer represents the projected population in the year 2030 for the Fredericksburg area.	
Fredericksburg Area TAZ 2040	Polygon	Layer represents the projected population in the year 2040 for the Fredericksburg area.	
MWCOG TAZ 2010	Polygon	Layer received as TAZ2010. This dataset represents the population in the year 2010 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2015	Polygon	Layer received as TAZ2015. This dataset represents the projected population in the year 2015 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2020	Polygon	Layer received as TAZ2020. This dataset represents the projected population in the year 2020 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2025	Polygon	Layer received as TAZ2025. This dataset represents the projected population in the year 2025 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2030	Polygon	Layer received as TAZ2030. This dataset represents the projected population in the year 2030 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2035	Polygon	Layer received as TAZ2035. This dataset represents the projected population in the year 2035 for the Northern Virginia and Washington DC area.	
MWCOG TAZ 2040	Polygon	Layer received as TAZ2040. This dataset represents the projected population in the year 2040 for the Northern Virginia and Washington DC area.	
Richmond MPO TAZ 2035	Polygon	Layer represents the projected population in the year 2035 for the Richmond area.	
<b><i>Richmond Regional Planning District Commission</i></b>			Data received on August 18, 2015. <a href="http://www.richmondregional.org/TPO/LRTP/plan2035/plan2035_Map.htm">http://www.richmondregional.org/TPO/LRTP/plan2035/plan2035_Map.htm</a>
Candidate Projects	Line	Layer received as Candidate_Projects. This dataset represents Candidate Projects for the Richmond Regional Planning District Commission. The plan2035 Advisory Committee will be reviewing, ranking and considering future funding recommendations for these projects.	
Candidate Project Points	Point	Layer received as Candidate_Project_pts. This dataset represents Candidate Projects for the Richmond Regional Planning District Commission. The plan2035 Advisory Committee will be reviewing, ranking and considering future funding recommendations for these projects.	
MPO	Polygon	Layer received as MPO. This layer represents the boundary of the Richmond Regional Planning District Commission.	

Name	Type	Description	Source
Private Local Projects	Line	Layer received as PrivateLocal_Projects. This dataset represents Private and/or Local Projects for the Richmond Regional Planning District Commission. These projects are proposed to be included in the plan2035 document and are considered as part of the transportation network that is modeled to determine air quality conformity. As funding for these projects is provided by private or local sources, the projects are not ranked.	
Private Local Project Points	Point	Layer received as PrivateLocal_pts. This dataset represents Private and/or Local Projects for the Richmond Regional Planning District Commission. These projects are proposed to be included in the plan2035 document and are considered as part of the transportation network that is modeled to determine air quality conformity. As funding for these projects is provided by private or local sources, the projects are not ranked.	
TIP Projects	Line	Layer received as TIP_Projects. This dataset represents Transportation Improvement Projects (TIP) for the Richmond Regional Planning District Commission. These projects are already receiving funding and advancing through the implementation stages in the RAMPO's Transportation Improvement Program (TIP) and through the Commonwealth of Virginia's Six-Year Improvement Program (SYIP), which is maintained by the Virginia Department of Transportation and the Virginia Department of Rail and Public Transportation. As funding has already been committed for these projects, these projects will not be ranked.	
TIP Project Points	Point	Layer received as TIP_Projects_pts. This dataset represents Transportation Improvement Projects (TIP) for the Richmond Regional Planning District Commission. These projects are already receiving funding and advancing through the implementation stages in the RAMPO's Transportation Improvement Program (TIP) and through the Commonwealth of Virginia's Six-Year Improvement Program (SYIP), which is maintained by the Virginia Department of Transportation and the Virginia Department of Rail and Public Transportation. As funding has already been committed for these projects, these projects will not be ranked.	
Project Points Combined	Point	Layer received as ProjectPoints_Combined. This dataset is a combination of the Transportation Improvement Project feature class, the Private and Local Projects feature class, and the Candidate Projects feature class.	
Projects Combined	Line	Layer received as Projects_Combined. This dataset is a combination of the Transportation Improvement Project feature class, the Private and Local Projects feature class, and the Candidate Projects feature class.	
<b>LOCAL GOVERNMENTS</b>			
<b><i>Arlington County</i></b>			<p>Jerry Coates, GIS Analyst  2100 Blarendon Blvd, Suite 813, Arlington, VA 22201  gcoates@arlingtonva.us  Data received on September 23, 2014, November 13, 2014, February 27, 2015, and April 30, 2015.</p>
Contours	Line	Layer received as ArlCo_Contour2011_BufferArea.shp. This dataset includes contours at a 2ft interval for Arlington County.	
Airport	Polygon	Layer received as Airport.shp. This dataset includes the boundary for that airport in Arlington County.	
Alleys	Polygon	Layer received as Alley.shp. This dataset includes the location of alleyways in Arlington County.	
Bike Routes	Line	Layer received as Bike Routes.shp. This dataset includes the location of bike routes in Arlington County.	
Buildings	Polygon	Layer received as Buildings.shp. This dataset includes the location of buildings in Arlington County	
County Parks	Line	Layer received as County_Parks.shp. This dataset includes county park boundaries for Arlington County.	



Name	Type	Description	Source
Parking Lot	Polygon	Layer received as Parking Lot.shp. This dataset includes parking lot locations in Arlington County.	
Paved Median	Polygon	Layer received as Paved Median.shp. This dataset details the locations of paved medians in Arlington County.	
Roads	Polygon	Layer received as Roads.shp. This dataset includes all roads in Arlington County.	
Sidewalks	Polygon	Layer received as Sidewalks.shp. This dataset details the locations of sidewalks in Arlington County.	
Streams	Line	Layer received as Streams.shp. This dataset includes the locations of streams and culverts and names of streams in Arlington County.	
Swimming Pools	Point	Layer received as Swimming Pools.shp. This dataset details the locations of public and school associated swimming pools in Arlington County.	
Trail Network	Line	Layer received as Trail Network.shp. This dataset includes the names and locations of all trails in Arlington County.	
Walking Network	Line	Layer received as Walking Network.shp. This dataset includes the location of walking networks in Arlington County.	
Zoning Boundary	Polygon	Layer received as Zoning Boundary.shp. This dataset includes the names and locations of different zones and districts in Arlington County.	
Real Estate Parcels	Polygon	Layer received as Parcels.shp. This dataset details all parcel boundaries in Arlington County.	
Resource Protection Area	Layer	Layer received as Public_RPA.lyr. This dataset illustrates all Resource Protection Areas in Arlington County.	
<b>City of Alexandria</b>			Brett King, GIS Analyst/Applications Division Information Technology Services City of Alexandria, Virginia brett.king@alexandriava.gov Data received on September 26, 2014, October 13, 2014, May 5, 2015, and September 11, 2015.
Parcels	Polygon	Layer received as Parcel_y.shp. This dataset includes the boundaries and ownership of all parcels in the City of Alexandria.	
Parcels	Polygon	Layer received as Parcel_x. This dataset includes the location of each parcel tax map as part of a grid for the City.	
Parcel Block	Polygon	Layer received as Parcels_Block_x. This dataset's purpose is to organize and manage the parcel information in the City of Alexandria.	

Name	Type	Description	Source
Address Points	Point	Layer received as Addr_p. This dataset provides the property address of all properties in the City of Alexandria.	
Zip Code Boundaries	Polygon	Layer received as Address_TrueZip_y. This dataset provides specific zip code information based on parcels and used for analysis purposes.	
Zip Code Boundaries (Generalized)	Polygon	Layer received as Address_Zipcode_y. This dataset provides generalized zip code boundaries for cartographic purposes only.	
City of Alexandria Boundary	Line	Layer received as Boundary_Alex_l. This dataset provides a linear geographic extent of the City of Alexandria jurisdictional boundary.	
City of Alexandria Boundary	Polygon	Layer received as Boundary_Alex_y. This dataset provides the jurisdictional area of the City of Alexandria.	
Regional Boundary	Polygon	Layer received as Region_y. This dataset provides the jurisdictional boundaries of the greater Washington, DC. Area. The area includes 10 northern Virginia jurisdictions, 3 in Maryland, and the District of Columbia.	
Buildings	Polygon	Layer received as Bld_y. This dataset provides the location, functional uses, size in square feet, and number of residential units for every building within the City of Alexandria.	
3D Buildings	Polygon	Layer received as Bld3D_y. This dataset provides a detailed footprint for each building in the City over 100 square feet in size.	
Miscellaneous Buildings	Polygon	Layer received as BldMisc_y. This dataset provides location information for all decks, patios, porches, and building canopies in the City of Alexandria.	
Census Blocks	Polygon	Layer received as Census10_Base_Blkc. This dataset provides the information in the Census MAF/TIGER database in a geographic information system or other geographic application format.	
Census Block Groups	Polygon	Layer received as Census10_Base_BlkcGrp. This dataset provides the information in the Census MAF/TIGER database in a geographic information system or other geographic application format.	
Census Tracts	Polygon	Layer received as Census10_Base_Tract. This dataset provides the information in the Census MAF/TIGER database in a geographic information system or other geographic application format.	
Floodplain FIRM	Polygon	Layer received as Flood_DFIRM2010_y. The Digital Flood Insurance Rate Map (DFIRM) Database depicts flood risk information and supporting data used to develop the risk data.	
100 year Floodplains	Polygon	Layer received as Flood_Flood100Year_y. This dataset depicts the flood risk information for those areas designated as 100-year flood zones.	
Hydrology	Polygon	Layer received as Hydro_Hydro_y. This dataset provides the location of all stream, rivers, and lakes larger than 5 feet in width.	

Name	Type	Description	Source
Piers	Polygon	Layer received as Hydro_Pier_y. This dataset provides the location of all piers along the Potomac River.	
Shoreline	Line	Layer received as hydro_Shore_I. This dataset provides the location of the shoreline in the City of Alexandria.	
Streams	Line	Layer received as Hydro_Stream_Ic. This dataset provides the centerline location of all streams less than 5 feet in width.	
Enterprise Zones	Polygon	Layer received as AEDP_Entpzn_y. This dataset provides the location for enterprise zones in the City of Alexandria.	
Fire Hydrants	Point	Layer received as Fire_Hydrant_p. This dataset provides the location of all fire hydrants within the City of Alexandria.	
Ortho Imagery	Polygon	Layer received as Imagery_Ortho09_x. This dataset provides a reference for the spatial location of an image tile. It is an indexed grid for orthoimagery tiles.	
Miscellaneous Fences	Line	Layer received as Misc_Barriers_Layer. This dataset provides the location of fences, retaining walls, and other walls captured through aerial imagery for the City of Alexandria.	
Miscellaneous Other Pavement	Polygon	Layer received as Misc_OtherPavedAreas. This dataset provides the location of all other paved areas that are not considered part of a road, driveway, parking lot, or sidewalk.	
Public Sidewalks/Crosswalks	Polygon	Layer received as Walk_y. This dataset provides the location of all public sidewalks, crosswalks, and stairs throughout the City. For the purpose of this data, public sidewalks are commonly referred to as the main sidewalk crossing a property which is parallel to the road. Individual sidewalks connecting the front door of a home to the public sidewalk are not captured.	
Traffic Lights	Point	Layer received as Traffic_TrffcLts_p. This dataset provides the location of traffic signals within the City of Alexandria.	
Light Poles	Point	Layer received as Utility_StreetLights. This dataset provides the location of publicly maintained street lights and utility poles. It serves the City Departments for maintenance purposes.	
City owned and Maintained Trash Containers	Point	Layer received as WateMgt_Trashcan_p. This dataset provides the location of all City owned and maintained trash containers on public streets.	
Height Districts	Polygon	Layer received as HeightDistricts. This dataset was developed to create the Height District Map, which was adopted as part of the zoning map per Section 6-400 of the Zoning Ordinance. The data includes the Height District number and comments that explain the height requirement for that district.	
Historic Districts	Polygon	Layer received as Planning_HistoricDistricts. This dataset is produced by the Planning and Zoning Department's Historic Preservation Division for regulatory purposes.	
Small Area Plan	Polygon	Layer received as Planning_SmallAreaPlans. This dataset was developed for the purpose of representing planning areas in the City of Alexandria.	

Name	Type	Description	Source
Zoning Planning	Polygon	Layer received as Zoning. This dataset was produced for use in the Planning and Zoning Department to identify the specific zoning of each parcel in the City of Alexandria.	
Bike Trails	Line	Layer received as Bike_lc. This dataset provides the locations of bike trails in the City of Alexandria.	
Recreational Amenities	Polygon	Layer received as Rec_Amenity_y. This dataset provides the location and description of public facilities maintained by the Park and Recreation Department for the City of Alexandria.	
Recreational Park	Polygon	Layer received as Rec_Park_y. This dataset provides the location of all City owned parks or recreational sites.	
Recreational Center	Point	Layer received as Recctr_p. This dataset is used to show the locations of Recreational Centers in the City of Alexandria.	
School Board Districts	Polygon	Layer received as School_SchoolBoardDistricts. This dataset provides the geographic boundaries of public school board election districts.	
Schools	Point	Layer received as School_School_y. This dataset was developed for use in the Planning and Zoning Department and utilized with the emergency operations center's planning. The polygon features represent the boundaries for the City of Alexandria's school land.	
Storm Drainage Network Catch Basins	Point	Layer received as DCatchBasin. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways such as the Potomac River and smaller streams and open channels.	
Storm Drainage Network Control Devices	Point	Layer received as DControlDevice. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Culvert Points	Point	Layer received as DculverPoint. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Gravity Lines	Line	Layer received as DGravityMain. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Inlet	Point	Layer received as Dinlet. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Manholes	Point	Layer received as Dmanhole. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Nodes	Point	Layer received as Dnodes. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Pipe Inflow/Outflow	Point	Layer received as DPipeIO. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	

Name	Type	Description	Source
Drainage Sewer Shed	Polygon	Layer received as DSewerShed. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Drainage Storage Basin	Point	Layer received as DStorageBasin. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Combined Catch Basin	Point	Layer received as SCombinedCatchBasin. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Combined Inlet	Point	Layer received as SCombinedInlet. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Combined Pipe Inflow/Outflow	Point	Layer received as SCombinedPipeIO. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Gravity Lines	Line	Layer received as SGravityMain. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Manhole	Point	Layer received as Smanhole. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Nodes	Point	Layer received as Snode. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Sanitary Sewer Sheds	Polygon	Layer received as SSewerShed. This dataset includes two separate collection systems; comprised of a storm drainage network and a sanitary wastewater network. There are multiple storm drainage collection systems which collect rain water and direct it to major waterways.	
Contour Lines	Line	Layer received as Topo_Contour_I. This dataset represents contour lines at 2 foot intervals for the City of Alexandria. The data was originally captured by a consultant during a 2001 planimetric project with portions updated during a 2004 planimetric update project.	
Spot Elevations	Point	Layer received as Topo_Spot_p. This dataset represents spot elevations at random locations for the City of Alexandria.	
Regional Metro	Point	Layer received as Region_Metro_p. This dataset represents WMATA's metrorail stops in the City of Alexandria.	
Transit Bus Routes	Line	Layer received as BusRoute_I. This dataset represents public bus routes within the City of Alexandria.	
Transit Bus Stops	Point	Layer received as Bus_Stops_p. This dataset represents the public bus line's bus stops within the City of Alexandria.	
Transit Metro	Line	Layer received as Transit_Metro_I. This dataset represents WMATA's metrorail lines within the City of Alexandria.	

Name	Type	Description	Source
Transit Rail	Line	Layer received as Transit_Rail_I. This dataset represents railroad lines for the City of Alexandria.	
Transit Trolley	Line	Layer received as Transit_Trolley_I. This dataset represents the King Street Trolley Route in the City of Alexandria.	
Transit Trolley	Point	Layer received as Transit_Trolley_p. This dataset represents the King Street Trolley bust stops in the City of Alexandria.	
Driveway	Polygon	Layer received as Driveway_y. This dataset represents driveways for the City of Alexandria.	
Parking Lot	Polygon	Layer received as Parklot_y. This dataset represents parking lots for the City of Alexandria.	
Roads	Line	Layer received as Road_Ic. This dataset represents street centerlines for the City of Alexandria.	
Voting House of Representatives	Polygon	Layer received as Voting_House_y. This dataset represents the Virginia State House Districts within the City of Alexandria.	
Voting Polling Place	Point	Layer received as Voting_Polling_p. This dataset represents voter polling places for the City of Alexandria.	
Voting Precinct	Polygon	Layer received as Voting_Precinct_y. This dataset represents the voting precincts for the City of Alexandria.	
Voting Senate	Polygon	Layer received as Voting_Senate_y. This dataset represents the Virginia State Senate Districts for the City of Alexandria.	
<b>Fairfax County</b>		Gregory Bacon, GIS Analyst Fairfax, Virginia GIS.HelpQ@fairfaxcounty.gov Data received on September 19, 2014, September 30, 2014, June 15, 2015, and September 1, 2015.	
Airports	Polygon	Layer received as Airports.shp. This dataset provides the names and geographic locations of airports in and around the eastern half of Fairfax County.	
Chesapeake Bay Areas	Polygon	Layer received as Chesapeake_Bay_Areas.shp. This dataset provides the geographic location of Chesapeake Bay Areas in Fairfax County.	
County Border	Polygon	Layer received as County_Border.shp. This dataset depicts the geographic boundary, portraying the extend and limits of Fairfax County. The boundary is defined by both physical features (the Potomac River and Occoquan River) and legal boundaries of the surrounding areas.	
ES Attendance Areas	Polygon	Layer received as ES_Attendance_Areas.shp. This dataset provides the attendance numbers for elementary schools in Fairfax County.	



Name	Type	Description	Source
FCPA Trails	Line	Layer received as FCPA_TRAILS.shp. This GIS polyline dataset is a comprehensive inventory of walkways and trails primarily maintained by the Maintenance and Stormwater Management Division (MSMD) and Virginia Department of Transportation. All pathways exist within Fairfax County and were identified with VDOT Form 1 asset inventory sheets and then transferred to a hard copy tax map book.	
Federal Block 2010	Polygon	Layer received as FEDERAL_BLOCK_2010.shp. This dataset provides information regarding the census blocks in Fairfax County.	
Federal Block Group 2010	Polygon	Layer received as FEDERAL_BLOCKGROUP_2010.shp. This dataset provides information regarding the census block groups in Fairfax County.	
Federal Tract 2010	Polygon	Layer received as FEDERAL_TRACT_2010.shp. This dataset provides information regarding the census tracts in Fairfax County.	
Historic Overlay Districts	Polygon	Layer received as HISTORIC_OVERLAY_DISTRICTS.shp. This dataset was created to provide information on historic districts in Fairfax County.	
HS Attendance Areas	Polygon	Layer received as HS_ATTENDANCE_AREAS.shp. This dataset provides the attendance numbers for high schools in Fairfax County.	
Human Services Regions	Polygon	Layer received as HUMAN_SVCS_REGIONS.shp. This layer depicts the boundaries of the human services regions in Fairfax County.	
Hydro Areas 4000	Polygon	Layer received as HYDRO_AREAS_4000.shp. This dataset represents waterbodies as polygon features for Fairfax County.	
Hydro Edges 4000	Line	Layer received as HYDRO_EDGES_4000.shp. This dataset represents waterbodies as line features for Fairfax County.	
Major Utility Lines	Line	Layer received as MAJOR_UTILITY_LINES.shp. This layer depicts the geographic location of major utilities lines in Fairfax County.	
MS Attendance Areas	Polygon	Layer received as MS_ATTENDANCE_AREAS.shp. This dataset provides the attendance numbers for middle schools in Fairfax County.	
Non FCPA Trails	Line	Layer received as NON_FCPA_TRAILS.shp. This layer depicts walkways and trails that are not owned or maintained by the Fairfax County Park Authority.	
Parks FCPA	Polygon	Layer received as PARKS_FCPA.shp. This layer represents park boundaries for all land parcels under the ownership of the Fairfax County Park Authority.	
Parks FCPA Maintenance Areas	Polygon	Layer received as PARKS_FCPA_MAINTENANCE_AREAS.shp. This layer is a geographical representation of the Fairfax County Park Authority's Grounds Management Areas. The county is divided into 7 geographical areas within an Area Crew responsible for grounds maintenance within the limits of the boundaries.	
Parks Non FCPA	Polygon	Layer received as PARKS_NON_FCPA.shp. This layer represents park boundaries for all land parcels that are not under the ownership of the Fairfax County Park Authority.	

Name	Type	Description	Source
Planning Areas	Polygon	Layer received as PLANNING_AREAS.shp. This layer depicts the geographic locations of Fairfax County's four planning areas.	
Planning Districts	Polygon	Layer received as PLANNING_DISTRICTS.shp. This layer depicts the geographic locations and names of the planning districts located within the four planning areas of Fairfax County.	
Political Jurisdictions	Polygon	Layer received a POLITICAL_JURISDICTIONS.shp. This layer was created to provide a cartographic depiction of the jurisdictional limits within Fairfax County.	
Radon Potential Areas	Polygon	Layer received as RADON_POTENTIAL_AREAS.shp. This layer depicts the areas of radon potential based on a study from 1988 across Fairfax County.	
Railroads 4000	Line	Layer received as RAILROADS_4000.shp. This layer depicts the geographic location and the line color (if applicable) for all rail lines across Fairfax County.	
Refuse Collection Areas	Polygon	Layer received as REFUSE_COLLECTION_AREAS.shp. This layer depicts the refuse and recycling collection areas. These areas are broken down by special tax districts from the DTA IAS system.	
Refuse Facility Locations	Point	Layer received as REFUSE_FACILITY_LOCATIONS.shp. This layer indicates locations in which Fairfax County provides refuse, recycling, and vacuum leaf collection drop off sites.	
Refuse Pickup Days	Polygon	Layer received as REFUSE_PICKUP_DAYS.shp. This layer depicts geographic boundaries showing small and local sanitary districts created by the Fairfax County Board of Supervisors to show Fairfax County refuse, recycling, and leaf collection areas and collection services.	
Refuse Type Areas	Polygon	Layer received as REFUSE_TYPE_AREAS.shp. This layer depicts geographic boundaries to show the type of Fairfax County collection areas for refuse, recycling, and leaf collection services.	
Regions	Polygon	Layer received as REGIONS.shp. This layer depicts the school district regions for the 2014-2015 school year in Fairfax County.	
Roadways	Line	Layer received as ROADWAYS.shp. This layer depicts the geographic locations of roadways in Fairfax County.	
School Facilities	Point	Layer received as SCHOOL_FACILITIES.shp. This layer depicts the geographic location of school buildings and associated facilities in Fairfax County.	
Soil Survey Feet	Polygon	Layer received as SOIL_SURVEY_FEET.shp. This dataset is a digital soil survey consisting of georeferenced digital map data prepared by soils scientists as a part of the National Cooperative Soil Survey.	
Soils	Polygon	Layer received as SOILS.shp. This dataset provides the soil type boundaries and geographic locations of different soil types for Fairfax County.	
Supervisor Districts	Polygon	Layer received as SUPERVISOR_DISTRICTS.shp. This layer represents the geographic boundaries of supervisor districts within Fairfax County.	

Name	Type	Description	Source
Supervisor Office Locations	Point	Layer received as SUPERVISOR_OFFICE_LOCATIONS.shp. This layer represents the geographic locations of supervisor district offices within Fairfax County.	
US Congressional Districts	Polygon	Layer received as US_CONGRESSIONAL_DISTRICTS.shp. This layer has voting precincts, and election boundaries for all congressional elections for Fairfax County.	
USGS Grid	Polygon	Layer received as USGS_GRID.shp. This layer represents the USGS Quad names and Grid boundaries within Fairfax County.	
VA Delegate Districts	Polygon	Layer received as VA_DELEGATE_DISTRICTS.shp. This layer has voting precincts and election boundaries for delegate elections for Fairfax County.	
VA Senate Districts	Polygon	Layer received as VA_SENATE_DISTRICTS.shp. This layer has voting precincts and election boundaries for senate elections in Fairfax County.	
Volunteer Group Areas	Polygon	Layer received as VOLUNTEER_GROUP_AREAS.shp. The Volunteer Groups (also known as Community Based Organizations) are non-profit organizations that provide basic needs assistance to specific areas of the county. The groups work together to define their boundaries, often utilizing ZIP code boundaries for their edges.	
Voting Locations	Point	Layer received as VOTING_LOCATIONS.shp. This layer represents voting booth locations for all federal, state, and local elections for Fairfax County.	
Voting Precincts	Polygon	Layer received as VOTING_PRECINCTS.shp. This layer represents voting precincts for all federal, state, and local elections for Fairfax County.	
Watersheds	Polygon	Layer received as WATERSHEDS.shp. This layer depicts the geographic boundaries of the watersheds in Fairfax County.	
Address Grid	Polygon	Layer received as ADDRESS_GRID. This dataset depicts the polygon area of address ranges by 100's for both north and south and east and west directions.	
Addresses	Point	Layer received as ADDRESSES. This dataset provides the address of the parcels in the County.	
Blocks	Polygon	Layer received as BLOCKS. This dataset contains data defining the exterior boundaries of subdivided land within subdivisions in Fairfax County.	
Building Additions	Polygon	Layer received as BUILDING_ADDITIONS. This layer contains various building additions in Fairfax County. The purpose is to identify the types of additions and assign attributes to them.	
Buildings	Polygon	Layer received as BUILDINGS. This layer contains the buildings that have been captured through various processes. The original data in the layer was captured during the 1997 data conversion effort for Fairfax County. The most recent building footprints update was completed in 2011-2013 using 2009 stereo models.	
Cartographic Lines	Line	Layer received as CARTOGRAPHIC_LINES. This layer depicts the special lines that are used on the property maps such as connector lines for disjointed parcels.	

Name	Type	Description	Source
Common Areas	Polygon	Layer received as COMMON_AREAS. This layer's primary purpose is the graphic portrayal of land developed through the approval process defined in the Fairfax County Subdivision Ordinance and their spatial relationship throughout the county. This data layer illustrates the commonly owned land within condominium complexes.	
Community Pools	Polygon	Layer received as COMMUNITY_POOLS. This layer contains the visible pools that belong to a community but not to individual properties. This includes outdoor pools at recreation sites and outdoor pools at hotels and condominium complexes and multi-family residential complexes such as rental communities. The layer also includes the name of the pool, if it is known.	
Contours	Line	Layer received as CONTOURS. This layer contains contours that were derived from the digital terrain model made up of irregularly spaced mass points and break lines. The contours are 5 foot intervals and are broken down into 9 different types.	
Contours 2ft	Line	Layer received as Contours_2ft. This layer contains contours covering all of Fairfax County. The County is developed from the 2009 stereo models. The contour interval is 2 feet.	
Easements Layer	Polygon	Layer received as EASEMENTS_layer. This dataset contains a variety of easements that are captured from recorded plats.	
Easements Polygons	Polygon	Layer received as EASEMENTS_POLYGONS_layer. This dataset contains two feature classes. These feature classes were generated from extensive plat research to derive the metes and bounds to then create all easements determined to be related to stormwater management. All easements are contained within the Fairfax County boundary.	
Floodplains	Polygon	Layer received as FLOOD_PLAIN_RECORDED. This dataset was created to depict the approximate location of the 100 year floodplain for those streams along which information is available at this time.	
Hydro Areas	Polygon	Layer received as HYDRO_AREAS. This dataset includes polygon hydrography covering Fairfax County. The SE quad is developed from the 2007 stereo models, and the rest of the county is developed from the 2009 stereo models. In 2013 the SE quad was updated using the 2009 stereo models. This dataset captures lakes, ponds, streams, rivers, etc. within the established constraints of the dataset development.	
Hydro Edges	Line	Layer received as HYDRO_EDGES. This layer contains the water features that were visible on the orthophotography. The SE quad is developed from the 2007 stereo models, while the rest of the County is developed from the 2009 stereo models. In 2013 the SE quadrant was updated using stereopairs from 2009. This contains streams, rivers, lakes, ponds, swamps, paved ditches, and dams.	
Major Transportation Areas	Polygon	Layer received as MAJOR_TRANSPORTATION_AREAS. This layer contains the major transportation areas that have been captured originally in 1997 and then subsequently updated with 2009 stereo imagery in 2011-2013.	
Major Transportation Edges	Line	Layer received as MAJOR_TRANSPORTATION_EDGES. This layer contains the major transportation edges that were captured using stereo models.	
Minor Transportation Areas	Polygon	Layer received as MINOR_TRANSPORTATION_AREAS. This layer contains the minor transportation areas captured by Fairfax County. One purpose is to identify the minor transportation areas and assign attributes to them.	
Minor Transportation Edges	Line	Layer received as MINOR_TRANSPORTATION_EDGES. This layer contains the minor transportation edges captured by Fairfax County. One purpose is to identify the minor transportation edges and assign attributes to them. One use is for property/zoning maps in large rights-of-way, it is useful to display the edge of pavement to provide context to the large area.	
Parcels	Polygon	Layer received as PARCELS. This layer was created to depict the subdivided land, parcels, rights-of-way, and easements created by recorded documents (deeds and plats) within the County of Fairfax. Primary purpose of this data is the graphic portrayal of land parcels and their spatial relationships throughout Fairfax County.	
Question Parcels	Polygon	Layer received as QUESTION_PARCELS. The purpose of this layer is to identify all properties that were cut and have not gone through the proper subdivision control process.	

Name	Type	Description	Source
Railroads	Line	Layer received as RAILROADS. This layer was created to identify the location of railroad lines in and around Fairfax County.	
Recreational Features	Polygon	Layer received as RECREATIONAL_FEATURES. This dataset contains the recreational type features that are impervious. This feature class includes tennis courts, basketball courts, and any other recreational hard surface.	
Rights of way	Polygon	Layer received as RIGHTSOFWAY. This layer of polygons completes the coverage of land in the County. The other parts are parcels and common areas. This layer delineates the public right of way areas.	
Sidewalks	Line	Layer received as SIDEWALKS. This layer contains the sidewalk edges that have been captured through various processes. The original data in this layer was captured in the 1997-2000 data conversion effort for Fairfax County.	
Sidewalks Centerline	Line	Layer received as SIDEWALKS_CENTERLINE. This layer contains the sidewalk centerlines. The sidewalk centerlines were captured using stereo models.	
Special Tax Areas	Polygon	Layer received as SPECIAL_TAX_AREAS. This layer contains the boundaries of special tax areas as defined by the taxing authority of Fairfax County. These are special tax districts where additional fees are levied on the properties within the districts.	
Storage Tanks	Polygon	Layer received as STORAGE_TANKS. The storage tanks layer contains the large holding tanks for water, gasoline, jet fuel or other such liquids. These will be identified and captured as a polygon outside of the tank itself.	
Subdivisions	Polygon	Layer received as SUBDIVISIONS. This layer contains data defining the exterior boundaries of subdivided land within Fairfax County. The subdivision layer was created to depict subdivided land areas defined by recorded documents for the County of Fairfax.	
Tax Map	Polygon	Layer received as TAX_MAP. This grid breaks down the county into approximately 444 tiles. This is the basis for the parcel numbering system in Fairfax County.	
Wetlands	Polygon	Layer received as WETLANDS. This layer depicts the location of wetland areas in Fairfax County.	
Wetlands Edges	Line	Layer received as WETLAND_EDGES. This dataset depicts the edges of wetland areas in Fairfax County.	
Zoning	Polygon	Layer received as ZONING. This dataset depicts zoning area boundaries for Fairfax County.	
Zip Code Areas	Polygon	Layer received as ZIPCODE_AREAS. This layer depicts the boundaries for the various zip code areas in Fairfax County.	
<b>Prince William County</b>			Angie Mills, GISP, GIS Division Chief Prince William County, Virginia amills@pwcgov.org Data received on October 20, 2014, March 4, 2015, and May 1, 2015.
Census	Polygon	Layer received as Census.shp. This dataset provides census data information for Prince William County.	

Name	Type	Description	Source
Centerlines	Line	Layer received as Centerlines.shp. This dataset shows the locations of all road centerlines in Prince William County.	
County Boundaries	Polygon	Layer received as CntyBnd.shp. This dataset depicts the county boundaries for Prince William County.	
Comprehensive Plan	Polygon	Layer received as CompPlan.shp. This dataset represents Comprehensive Plan Land Use plans for Prince William County.	
Contours	Line	Layer received as Contours.shp. This dataset provides contours at 2-foot intervals for Prince William County.	
Coordinate Grid	Polygon	Layer received as CoordGrid.shp. This dataset depicts the USGS Quad Grid index for Prince William County.	
Cultural Lines	Line	Layer received as CultLines.shp.	
Cultural Polygons	Polygon	Layer received as CultPolys.shp.	
Culverts	Point	Layer received as Culverts.shp. This dataset represents the geographic location of culverts in Prince William County.	
Hydro Lines	Line	Layer received as HydroLines.shp. This dataset represents streams and rivers in Prince William County.	
Hydro Polygons	Polygon	Layer received as HydroPolys.shp. This dataset represents the areas of rivers and streams in Prince William County.	
Parcels	Polygon	Layer received as Parcels.shp. This dataset details all parcel boundaries and ownership information for Prince William County.	
Parks	Polygon	Layer received as Parks.shp. This dataset represents the geographic locations of parks as polygon features in Prince William County.	
Powerlines	Line	Layer received as PowerLines.shp. This dataset represents the geographic locations of powerlines in Prince William County.	
Pylons	Point	Layer received as Pylons.shp. This dataset depicts the geographic locations of pylons in Prince William County.	
Railroads	Line	Layer received as Railroads.shp. This dataset was created to show the locations of the railroad in Prince William County.	



Name	Type	Description	Source
Road Edges	Line	Layer received as RdEdges.shp. This dataset was created to depict road edges in Prince William County.	
RPA	Polygon	Layer received as RPA.shp. This dataset was created to depict the locations of Resource Protection Areas in Prince William County.	
Soils	Polygon	Layer received as Soils.shp. This dataset depicts the geographic locations of soil types in Prince William County. The soil label, it's permeability, and erodability are also listed in this data.	
Spot Elevations	Point	Layer received as SpotElev.shp. This dataset represents spot elevations of particular areas in Prince William County.	
Subdivisions	Polygon	Layer received as Subdiv.shp. This dataset represents Subdivisions in Prince William County. The data provides information on the name of the subdivision, the identification number, creation date, and deed book and page numbers.	
Trails	Line	Layer received as Trails.shp. This dataset represents trails and paths in Prince William County.	
Vegetation	Polygon	Layer received as Vegetation.shp. This dataset depicts the presence of vegetation across Prince William County.	
Voting Precincts	Polygon	Layer received as VotPrec.shp. This dataset represents the geographic boundaries of voting precincts in Prince William County.	
Watersheds	Polygon	Layer received as Watersheds.shp. This dataset provides the geographic boundaries and extents of watersheds in Prince William County.	
Zoning	Polygon	Layer received as Zoning.shp. This dataset represents zoning boundaries and extents for Prince William County.	
<b>Stafford County</b>			<p>Amy Epperson, Deputy Commissioner of Revenue  Stafford County, Virginia  aeperson@staffordcountyva.gov  Data received on September 30, 2014, November 11, 2014, April 20, 2015, May 1, 2015, and September 18, 2015.</p>
Block Groups 2010	Polygon	Layer received as block_groups_2010. This dataset provides the block group boundaries for all block groups in Stafford County.	
Blocks 2010	Polygon	Layer received as blocks_2010. This dataset provides the block boundaries for all census blocks in Stafford County.	
Contours	Line	Layer received as CONTOURS. This dataset provides contours at 2-foot intervals for Stafford County.	
Easements	Line	Layer received as easements. This dataset provides the locations and boundaries of all easements in Stafford County.	

Name	Type	Description	Source
Election Districts	Polygon	Layer received as election_districts. This dataset provides the locations and boundaries of voting districts within Stafford County.	
Election Precincts	Polygon	Layer received as ELECTION_PRECINCTS. This dataset provides the geographic locations of the election precinct districts in Stafford County.	
Hospitals	Point	Layer received as hospitals. This layer provides the geographic location of hospitals within Stafford County.	
Hydrology	Line	Layer received as hydrology. This dataset provides the locations of hydrography features within Stafford County.	
Hydropoly	Polygon	Layer received as hydropoly. This dataset provides polygon features of hydrography withing Stafford County.	
Land Use	Polygon	Layer received as LandUse. This dataset provides the geographic location of rural, urban, and suburban areas within Stafford County.	
Monuments	Line	Layer received as monuments. This dataset provides the geographic location, names, and condition of monuments in Stafford County.	
Parcels	Polygon	Layer received as PARCELS. This dataset provides parcel boundaries, but not ownership information, for Stafford County.	
Parks	Polygon	Layer received as Parks. This dataset provides the geographic locations, names, addresses, and types (golf course, historic park, or recreational park) of parks within Stafford County.	
Places	Line	Layer received as places. This dataset represents places specifically defined by the US Census Bureau, including parks, tracks, golf courses, college campuses, schools, landmarks, historic properties, post offices, train stations, boat landings, substations, campgrounds, movie theaters, wineries, and churches.	
Polling Places	Point	Layer received as POLLING_PLACES. This dataset represents the geographic locations of polling places in Stafford County.	
Reservoir Protection Overlay Districts	Polygon	Layer received as reservoir_protection_overlay_districts. Resource Protection Overlay Districts were created for the purpose of protecting and promoting public health, safety, and welfare by preserving existing and potential public drinking water supply reservoir sites and protecting them from the danger of water pollution.	
RPA	Polygon	Layer received as RPA. This dataset provides the grographic locations of resource protection areas in Stafford Coutrny.	
Schools	Point	Layer received as schools. This dataset provides the names, number of floors, and geographic locations of schools in Stafford County.	
Soils	Polygon	Layer received as Soils. This dataset represents soil types and their extents in Stafford County.	

Name	Type	Description	Source
Streets	Line	Layer received as STREETS. This dataset represents the geographic locations and extents of streets in Stafford County.	
Structures	Polygon	Layer received as STRUCTURES. This dataset provides information on the parcel identification numbers, addresses, and locations of structures in Stafford County.	
Subdivisions	Polygon	Layer received as subdivisions. This dataset provides the names, addresses, and geographic locations of neighborhoods in Stafford County.	
Tracts 2010	Polygon	Layer received as tracts_2010. This dataset represents Census Tracts for Stafford County, provided by the US Census Bureau.	
Urban 2010	Polygon	Layer received as urban_2010. This dataset is provided by the US Census Bureau, which delineates urban areas that represent densely developed territory, encompassing residential, commercial, and other nonresidential urban land uses for Stafford County.	
Urban Service Area	Polygon	Layer received as urban_service_area.shp. This dataset represents the geographic boundaries of urban service areas in Stafford County.	
Zip Code	Polygon	Layer received as zipcode. This dataset provides zip code area boundaries for Stafford County.	
Zoning	Polygon	Layer received as ZONING. This dataset provides zoning area boundaries for Stafford County.	
<b>City of Fredericksburg</b>		<p>Kim Williams, GIS Analyst  601 Caroline St, Suite 200C, Fredericksburg, VA 22401  kbwilliams@fredericksburgva.gov  Data received on September 19, 2014 and April 24, 2015.</p>	
Ancillary Centerlines	Line	Layer received as Ancillary_Centerlines.shp. This dataset provides the centerline location of private access streets, driveways, and private alleyways in the City of Fredericksburg.	
Arts and Cultural District	Polygon	Layer received as Arts_and _Cultural_District.shp. This layer provides the location of the Arts and Cultural district in the City of Fredericksburg.	
Census 2010 Area Landmarks	Polygon	Layer received as Census_2010_Area_Landmarks.shp. This layer provides the location and names of landmarks and parks in the City of Fredericksburg.	
Census 2010 block Groups	Polygon	Layer received as Census_2010_Block_Groups.shp. This layer provides the ID and locations for the block groups in the City of Fredericksburg.	
Census 2010 Census Blocks	Polygon	Layer received as Census_2010_Census_Blocks.shp. This layer provides the ID and locations for the census blocks in the City of Fredericksburg.	
Census 2010 Census Tracts	Polygon	Layer received as Census_2010_Census_Tracts.shp. This layer provides the ID and locations for the census tracts in the City of Fredericksburg.	

Name	Type	Description	Source
Census 2010 County Subdivisions	Polygon	Layer received as Census_2010_County_Subdivisions.shp. This dataset provides county subdivision boundaries which are the primary divisions of counties and their equivalent entities for the reporting of Census Bureau data, and they include legally minor civil divisions (MCDs) and statistical census county divisions (CCDs), and unorganized territories.	
Census 2010 Point Landmarks	Point	Layer received as Census_2010_Point_Landmarks.shp. This dataset provides landmarks information from the Census Bureau, used for locating special features and to help enumerators during field operations. Some of the more common landmark types include area landmarks such as airports, cemeteries, parks, mountain peaks/summits, schools, and churches or other religious institutions.	
Census 2010 Voting Districts	Polygon	Layer received as Census_2010_Voting_Districts.shp. This dataset represents voting districts, including precincts, wards, and election districts established by State governments for the purpose of conducting elections.	
City Boundary	Polygon	Layer received as City_Boundary.shp. The purpose of this dataset is to show the boundary of the City of Fredericksburg.	
City Boundary Line	Line	Layer received as City_Boundary_Line.shp. The purpose of this dataset is to show the boundary of the City of Fredericksburg.	
City Council Incumbents	Point	Layer received as City_Council_Incumbents.shp. This dataset provides the names, addresses, and the political offices held by the city council incumbents in the City of Fredericksburg.	
City Parking Areas	Point	Layer received as CITY_PARKING_AREAS.shp. This dataset was created to depict the geographical location of city parking areas in the City of Fredericksburg.	
City Recycling	Polygon	Layer received as City_Recycling.shp. This dataset was created to identify city recycling collection pickup days in the City of Fredericksburg.	
City Recycling Line	Line	Layer received as City_Recycling_Line.shp. This dataset was created to identify city recycling collection pickup days in the City of Fredericksburg.	
City Schools	Point	Layer received as City_Schools.shp. This dataset was created to show the geographic location and names of the City of Fredericksburg schools.	
City Trash Collection	Polygon	Layer received as City_Trash_Collection.shp. This dataset was created to identify trash collection pickup days in the City of Fredericksburg.	
City Trash Collection Line	Line	Layer received as City_Trash_Collection_Line.shp. This dataset was created to identify trash collection pickup days in the City of Fredericksburg.	
Contours	Line	Layer received as Contours.shp. This dataset was produced as a part of the VGIN mapping project executed in 2006 and 2007. The contours at 2 foot intervals were provided to jurisdictions who chose to use the upgrade option for contour generation.	
Council Wards	Polygon	Layer received as Council_Wards.shp. The purpose of this dataset is to depict the location of council wards.	
Flood Zones	Polygon	Layer received as flood_zones.shp. The purpose of this dataset is to show the locations of flood zones in the City of Fredericksburg.	

Name	Type	Description	Source
Fred Centerlines Four Counties	Line	Layer received as Fred_Centerlines_FourCounties.shp. This dataset was created from the Virginia Geographic Information Network's (VGIN) Road Centerline data layer. The RCL layer for the City of Fredericksburg was extracted and provided to the locality.	
Fred Routes	Line	Layer received as Fred_Routes.shp. The purpose of this dataset is to show the path of bus routes in the City of Fredericksburg.	
Fred Stops	Point	Layer received as Fred_Stops.shp. The purpose of this dataset is to show the geographic locations of bus stops in the City of Fredericksburg.	
Fred Train Stations	Point	Layer received as Fred_Train_Stations.shp. The purpose of this dataset is to show the locations of train stations.	
Fredericksburg City Schools	Point	Layer received as FREDERICKSBURG_CITY_SCHOOLS.shp. The purpose of this dataset is to show the locations of the City of Fredericksburg Public Schools.	
Fredericksburg Public Services and Offices	Point	Layer received as FREDERICKSBURG_PUBLIC_SERVICES_AND_OFFICES.shp. The purpose of this dataset is to show the public service buildings and offices in the City of Fredericksburg.	
Historic District	Polygon	Layer received as Historic_District.shp. The purpose of this dataset is to show the geographic location of the Historic District in the City of Fredericksburg.	
HUB Zones	Polygon	Layer received as HUBZones.shp. The purpose of this dataset was to display the geographic locations of Historically Underutilized Business Zones within the City of Fredericksburg.	
Leaf Collection	Polygon	Layer received as Leaf_Collection.shp. The purpose of this dataset is to aid the City of Fredericksburg citizens in determining when leaves will be picked up from their residences.	
National Park Service	Polygon	Layer received as National_Park_Service.shp. The purpose of this dataset is to show the location of the National Park Service property in the City of Fredericksburg.	
Neighborhoods	Polygon	Layer received as Neighbhorhoods.shp. The purpose of this dataset is to show the location of various neighborhoods in the City of Fredericksburg.	
NHD Area	Polygon	Layer received as NHDArea. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. The NHDArea dataset represents areal hydrographic landmark features in the City of Fredericksburg.	
NHD Flowline	Line	Layer received as NHDFlowline. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. The NHDFlowline dataset consists of routes that make up a linear surface water drainage network in the City of Fredericksburg.	
NHD Waterbody	Polygon	Layer received as NHDWaterbody. The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplied, fish habitat areas, wild and scenic rivers. The NHDWaterbody dataset contains regions representing areal NHD hydrographic waterbody features.	
Overlay Districts	Polygon	Layer received as Overlay_Districts.shp. The purpose of this dataset is to show the geographic locations of districts in the City of Fredericksburg.	

Name	Type	Description	Source
Parks	Polygon	Layer received as Parks.shp. The purpose of this dataset is to show the location of park areas in the City of Fredericksburg.	
Polling Places	Point	Layer received as Polling_Places.shp. The purpose of this dataset is to show the geographic location of polling places in the City of Fredericksburg.	
Riparian Easements	Polygon	Layer received as Riparian_Easements.shp. The purpose of this dataset is to show the locations of riparian easements in the City of Fredericksburg.	
Road Centerlines	Line	Layer received as Road_Centerlines.shp. The purpose of this dataset is to show the location of the centerline of the visual line between the edges of the road in the City of Fredericksburg.	
RPA	Polygon	Layer received as RPA.shp. The purpose of this dataset is to show the locations of Resource Protection Areas in the City of Fredericksburg.	
Site Addresses	Point	Layer received as Site_Addresses.shp. The purpose of this dataset is to show the geographic locations of addresses in the City of Fredericksburg.	
Structures	Polygon	Layer received as Structures.shp. The structure polygons were produced as a part of the 2009 orthophotography update cycle of the Virginia Geographic Information Network (VGIN) Virginia Base Mapping Program (VBMP). These features were provided to the City of Fredericksburg.	
Subdivisions	Polygon	Layer received as Subdivisions.shp. The purpose of this dataset is to show the locations of various subdivisions in the City of Fredericksburg.	
Tax Parcels	Polygon	Layer received as Tax_Parcels.shp. The purpose of this dataset is to display a PIN number identifier for each land parcel for the City of Fredericksburg.	
TAZ	Polygon	Layer received as TAZ.shp. The purpose of this dataset is to show the locations of Traffic Analysis Zones in the City of Fredericksburg.	
Technology Zones	Polygon	Layer received as Technology_Zones.shp. The purpose of this dataset is to show the locations of Technology Zones in the City of Fredericksburg.	
Tourism Zones	Polygon	Layer received as Tourism_Zones.shp. The purpose of this dataset is to show the location of tourism zones in the City of Fredericksburg.	
Trails	Line	Layer received as Trails.shp. The purpose of this dataset is to show the locations of trails throughout the City of Fredericksburg.	
VDHR Listed Historic Districts	Polygon	Layer received as VDHR_Listed_Historic_Districts.shp. This dataset was created as a digital representation of the architectural resources that are documented by the Virginia Department of Historic Resources. At this time, not all resources that have been surveyed at the reconnaissance or intensive level have been digitized.	
VGIN Rail	Line	Layer received as VGIN_Rail.shp. The purpose of this dataset is to provide a geographic representation of the location of existing rail in Virginia. This data, combined with other infrastructure, utility, environmental sensitivity, labor, demographics, and quality of life information are used to select properties for industrial or office use based on a prospect's needs.	



Name	Type	Description	Source
Wetlands	Polygon	Layer received as Wetlands.shp. The purpose of this dataset is to show the location of wetlands for the City of Fredericksburg.	
Zoning	Polygon	Layer received as Zoning.shp. The purpose of this dataset is to show the various zoning districts in the City of Fredericksburg.	
<b>Spotsylvania County</b>		<p>Tina Kolodziej, GISP, GIS Specialist  Information Services Department  9019 Old Battlefield Blvd, Suite 330, Spotsylvania, VA  22553  tkolodziej@spotsylvania.va.us  Data received on September 18, 2014, November 17,  2014, March 26, 2015, and May 5, 2015.</p>	
Contours 2013 2ft	Line	Layer received as Contours2013.shp. This dataset was produced as a part of the VGIN mapping project executed in 2006 and 2007. The contours at 2 foot intervals were provided to jurisdictions who chose to use the upgrade option for contour generation.	
Address Points	Point	Layer received as AddressPt.shp. This dataset provides site address points that represent the location of site or service delivery addresses assigned by local governments.	
Agricultural and Forestal Districts	Polygon	Layer received as AgriculturalForestalDistrict.shp. The purpose of this dataset is to display the Agricultural and Forestal Districts as defined in the Spotsylvania County code, Chapter 21, Article XII, Agricultural and Forestal Districts.	
Airports	Polygon	Layer received as Airports.shp. This dataset provides the names and locations of airports in Spotsylvania County.	
Airport Overlay District	Polygon	Layer received as AirportOverlayDistrict.shp. This dataset was produced to display the Airport Protection Overlay District as defined in the Spotsylvania County Code, Chapter 23, Division 7, Section 23-7.1-13. The airport within this code is defined as Shannon Airport. This data is based on technical information about Shannon Airport and its airport safety zone.	
Athletic Field	Polygon	Layer received as AthleticField.shp. This dataset was produced to display the locations of athletic fields in Spotsylvania County.	
Bridge	Polygon	Layer received as BridgePoly.shp. This dataset provides location information for all bridges in Spotsylvania County.	
Building	Polygon	Layer received as Building.shp. This dataset provides building footprint information for Spotsylvania County.	
Communication Towers	Point	Layer received as CommunicationTowers.shp. This dataset was created to provide citizens, service providers and prospective providers with a GIS database of all the towers that are used for public communications within and around Spotsylvania County. The dataset is based on the data found in the FCC's antenna structure registry.	
Dam	Line	Layer received as Dam.shp. This dataset provides location information for dams in Spotsylvania County.	
Driveway	Line	Layer received as Driveway.shp. This dataset was created to depict the access from the road to a residential or commercial structure to aid in the dispatching of emergency services and law enforcement. Exceptions generally are lots within subdivisions, areas where the structures are visible from the roads, and structures accessed through parking lots.	
FEMA Flood Zone	Polygon	Layer received as FEMAfloodZone.shp. This dataset was created to depict the locations of flood zones in Spotsylvania County.	

Name	Type	Description	Source
Future Land Use	Polygon	Layer received as FutureLandUse.shp. This dataset was created to depict future land use information for Spotsylvania County.	
Govt Building	Point	Layer received as GovtBuilding.shp. This dataset provides the locations of Government Buildings in Spotsylvania County.	
Govt Building Footprint	Polygon	Layer received as GovtBuildingFootprint.shp. This dataset provides the footprint polygons of Government Buildings in Spotsylvania County.	
Govt Land	Polygon	Layer received as GovtLand.shp. The purpose of this dataset is to display public lands owned by Spotsylvania County.	
Highway Corridor Overlay District	Polygon	Layer received as HighwayCorridorOverlayDistrict.shp. This dataset was produced to display the Highway Corridor Overlay District in Spotsylvania County.	
Historic Overlay Districts	Polygon	Layer received as HistoricOverlayDistrict.shp. This dataset was produced to display the Historic Overlay District in Spotsylvania County.	
Intersections	Point	Layer received as Intersection.shp. This dataset provides the locations of intersections in Spotsylvania County.	
Inundation Areas	Polygon	Layer received as InundationArea.shp. This dataset contains inundation areas defined by their flood level for Spotsylvania County.	
Magisterial Districts	Polygon	Layer received as MagisterialDistricts.shp. This dataset provides boundary information for the magisterial districts in Spotsylvania County.	
Mile Markers	Point	Layer received as MileMarker.shp. This dataset was produced to display the mile marker information in Spotsylvania County.	
National Park Service Properties	Polygon	Layer received as NationalParkServiceProperty.shp. This dataset was produced to display properties owned by the National Park Service in Spotsylvania County.	
NWI Wetlands	Polygon	Layer received as Wetland.shp. This dataset depicts National Wetlands Inventory documented wetlands in Spotsylvania County.	
Parking Areas	Line	Layer received as ParkingArea. This dataset provides information on locations of parking areas in Spotsylvania County.	
Railroads	Line	Layer received as Railroad.shp. This layer represents the geographic location of the railroad in Spotsylvania County.	
Reservoir Overlay Districts	Polygon	Layer received as ReservoirOverlayDistricts.shp. The Reservoir Protection Overlay District dataset represents a zoning overlay district which depicts the watershed supply or could potentially supply public drinking water.	

Name	Type	Description	Source
River Overlay Districts	Polygon	Layer received as RiverOverlayDistrict.shp. The River Protection Overlay District dataset shows the areas that may provide drinking water or recreational opportunities.	
Rivers and Waterbodies	Polygon	Layer received as water.shp. This dataset provides the geographic location and the type of waterbody present (pond, swimming pool, farm pond, natural pond, river, creek, run, reservoir, or lake ) for Spotsylvania County.	
Road	Line	Layer received as road.shp. This dataset provides the geographic location and names of streets within Spotsylvania County.	
RPA	Polygon	Layer received as RPA.shp. This dataset was created to depict the locations of Resource Protection Areas in Spotsylvania County.	
Soil USDA	Polygon	Layer received as soil.shp. This dataset is a digital soil survey and generally is the most detailed level of soils geographic data developed by the National Cooperative Soil Survey.	
Special Tax District	Polygon	Layer received as SpecialTaxDistrict.shp. This dataset was created from the separate Special Service Districts layer for ease of use.	
State House Districts	Polygon	Layer received as StateHouseDistrict.shp. This dataset was created to provide information regarding the State House elected representative for each locality in the State of Virginia.	
State Parks	Polygon	Layer received as StatePark.shp. This dataset provides the geographic boundary of the state park in Spotsylvania County.	
State Senate Districts	Polygon	Layer received as StateSenateDistricts.shp. This dataset was created to provide information regarding the State Senate elected representative for each locality in the State of Virginia.	
Stream	Line	Layer received as stream.shp. This dataset provides the geographic location and the name (if applicable) of all streams in Spotsylvania County.	
Subdivisions	Polygon	Layer received as Subdivision.shp. This dataset provides the names and geographic locations of subdivisions in Spotsylvania County.	
Sub Watershed	Polygon	Layer received as SubWatershed.shp. This dataset depicts the geographic location and the names of the subwatersheds present in Spotsylvania County.	
Swamp	Polygon	Layer received as Swamp.shp. This dataset depicts the geographic locations of swamps in Spotsylvania County. The data was provided by the National Hydrography Dataset.	
Tax Parcels	Polygon	Layer received as TaxParcels.shp. This dataset provides identification and location information, but not ownership information, for parcels in Spotsylvania County.	
Technology Zones	Polygon	Layer received as TechnologyZone.shp. This dataset was created to show the Technology Zones for Spotsylvania County.	

Name	Type	Description	Source
Tourism Zones	Polygon	Layer received as TourismZone.shp. This dataset was created to show areas in Spotsylvania County that should be targeted for Tourism, as defined in Spotsylvania County Mucipal Code, Chapter 24, Article II.	
Transportation Analysis Zones	Polygon	Layer received as TAZ.shp. The purpose of this dataset is to show the locations of Traffic Analysis Zones. The data was created from accident data and the frequency of accidents in Spotsylvania County.	
Watersheds	Polygon	Layer received as Watershed.shp. This dataset provides the geographic locations and names of the watersheds in Spotsylvania County.	
Zip Code Areas	Polygon	Layer received as ZipCodeArea.shp. This dataset was orginally created by Spotsylvania County GIS staff in 2008 from boundary information provided by the Fredericksburg and Spotsylvania Post Offices and mailing addresses found in Spotsylvania County's real estate system.	
<b>Caroline County</b>		<p>Angeline Crowder, CZA, County Planner  233 West Broaddus Avenue, Bowling Green, Virginia  22427  acrowder@co.caroline.va.us  Data received on September 23, 2014, November 14, 2014, March 4, 2015, and May 19 2015.</p>	
Boundary	Polygon	Layer received as Caroline_DBO_Boundary_Polygon.shp. This dataset was produced to display the boundaries of Caroline County.,	
Fire Service Area	Polygon	Layer received as Caroline_DBO_Fire_Service_Area.shp. This dataset divides Caroline County into Fire Department Service areas.	
FORT AP HILL	Polygon	Layer received as Caroline_DBO_Fort_AP_Hill.shp. This dataset was produced to provide location information on Fort AP Hill in Caroline County.	
Golf Courses	Polygon	Layer received as Caroline_DBO_Golf_Courses.shp. This dataset was created to illustrate the locations and names of golf courses in Caroline County.	
Historical Locations	Point	Layer received as Caroline_DBO_Historical_Locations.shp. This dataset was created to depict the geographic locations, names, addresses, and National Register of Historic Places listing dates for historic districts and individual historic properties in Caroline County.	
Hydro	Polygon	Layer received as Caroline_DBO_HydroPolyNew.shp. The purpose of this dataset is to provide a geographic representation of the location of all streams and rivers in Caroline County.	
Industrial Parks	Polygon	Layer received as Caroline_DBO_Industrial_Parks.shp. The purpose of this data is to provide a geographic representation of the location of each available industrial site boundary in the Commonwealth as submitted to VEDP by local and regional economic development organizations. This data combined with infrastructure, utility, environmental sensitivity, labor, demographics and quality of life information are used to select sites for industrial development based on a prospect's needs.	
Public Parks	Point	Layer received as Caroline_DBO_Parks.shp. The purpose of this dataset is to provide a geographic representation of the location of public parks in Caroline County.	
Rescue Service Area	Polygon	Layer received as Caroline_DBO_Rescue_Service_Areas.shp. This dataset provides the geographic boundaries for each rescue squad in Caroline County.	

Name	Type	Description	Source
Right Of Way	Polygon	Layer received as Caroline_DBO_RightOfWay.shp. This dataset depicts the right of way boundaries along roads in Caroline County.	
Road Centerlines	Line	Layer received as Caroline_DBO_RoadCenterline.shp. The purpose of this dataset is to show the location of the centerline of the visual line between the edges of the road in Caroline County.	
School Grounds	Polygon	Layer received as Caroline_DBO_School_Grounds.shp. The purpose of this dataset is to depict the boundaries of school grounds in Caroline County.	
Schools	Point	Layer received as Caroline_DBO_Schools.shp. The purpose of this data is to provide a geographic representation of the location of the public schools in Virginia.	
Site Addresses	Point	Layer received as Caroline_DBO_SiteAddresses.shp. The purpose of this dataset is to provide parcel addresses that correspond to the Tax Parcels layer for Caroline County.	
Streams	Line	Layer received as Caroline_DBO_Streams.shp. This layer provides the geographic location and names (if applicable) for Caroline County.	
Structures	Polygon	Layer received as Caroline_DBO_Structures.shp. This dataset was created to depict the geographic location of buildings and other structures in Caroline County.	
Tax Parcels	Polygon	Layer received as Caroline_DBO_TaxParcels.shp. This layer was created to depict the geographic locations of parcel boundaries in Caroline County.	
Wetlands	Polygon	Layer received as Caroline_DBO_Wetlands.shp. This dataset provides information on the types and acreages of wetlands in Caroline County.	
Zoning	Polygon	Layer received as Caroline_DBO_Zoning.shp. This dataset depicts the locations of the zoning district boundaries for Caroline County.	
Railroad ROW	Polygon	Layer received as RailRoadROW.shp. This dataset was created to depict the railroad right of way in Caroline County.	
<b>Hanover County</b>			<p>Tim O'Keefe, GIS Systems Engineer  7497 County Complex Rd, Hanover, Virginia 23069  tmokeefe@hanovercounty.gov  Data received on September 26, 2014, March 30, 2015,  May 1, 2015, and June 8, 2015.</p>
Address Points	Point	Layer received as addr_point.shp. This dataset is a point feature that represents address locations in Hanover County.	
City of Ashland Boundary	Polygon	Layer received as Ashland_Corp_Boundary.shp. This dataset represents the geographic extent and boundaries of the City of Ashland in Hanover County.	
Border	Line	Layer received as border_arc.shp. This dataset represents the boundary and extents of Hanover County.	

Name	Type	Description	Source
Boundary	Line	Layer received as boundary_arc.shp. This dataset represents the boundary and extents of Hanover County.	
Building	Polygon	Layer received as building_polygon.shp. This dataset represents building's footprints and elevations for Hanover County.	
Conditional Use Permits	Polygon and Line	Layers received as cup_polygon_1.shp and cuplines_arc_1.shp. These datasets depict the properties that have Conditional Use Permits with Hanover County.	
Easements	Line	Layer received as easement_arc.shp. This dataset illustrates the geographic locations of easements in Hanover County.	
Elections	Polygon	Layer received as Election_polygon.shp. This dataset represents election district boundaries for Hanover County.	
Fences	Line	Layer received as fences_arc.shp. This line feature represents fences on properties in Hanover County.	
Parcels	Polygon	Layer received as Parpoly_Polygon1.shp. This dataset represents parcel boundaries, addresses, ownership information, and parcel identification numbers for all properties in Hanover County.	
Railroads	Line	Layer received as RAILROADS.shp. This dataset represents the location and extent of the railroad in Hanover County.	
Roads	Line	Layer received as Roads_arc_1.shp. This dataset depicts the geographic locations and extents of roads in Hanover County.	
ROW	Line	Layer received as row_arc.shp. This dataset represents the right of way boundaries in Hanover County.	
Soils	Polygon	Layer received as soils_polygons.shp. This dataset represents soil names and types in Hanover County.	
Streets	Line	Layer received as streets_arc.shp. This dataset depicts the geographic locations and extents of main streets in Hanover County.	
Topography	Line	Layer received as topo_arc.shp. This dataset represents contour lines at 2 foot intervals for Hanover County.	
Trees	Line	Layer received as trees_ARC.shp. This dataset represents forests, or other such groupings of trees in Hanover County.	
Utility	Line	Layer received as utility_arc.shp. This dataset represents the locations of utility lines in Hanover County.	



Name	Type	Description	Source
Water	Line	Layer received as water_arc.shp. This dataset represents the geographic locations and extents of streams and rivers in Hanover County.	
Zoning	Polygon	Layer received as zoning_polygon.shp. This dataset represents zoning boundaries and extents in Hanover County.	
<b>Henrico County</b>			Kendell Ryan, Senior GIS Analyst 4301 E. Parham Rd, Henrico, Virginia 23228 rya001@co.henrico.va.us Data received on September 18, 2014, March 4, 2015, May 11, 2015, and September 8, 2015.
Contours	line	Layer received as Contours_clip.shp. This dataset represents contours for Henrico County in the vicinity of the DC2RVA project at 2 foot intervals.	
Buildings	Polygon	Layer received as Buildings.shp. This dataset represents building footprints for the portions of Henrico County within the vicinity of the DC2RVA project.	
Driveways	Polygon	Layer received as Driveways.shp. This dataset was created to depict the access from the road to a residential or commercial structure.	
Hydrants	Point	Layer received as Hydrants.shp. This dataset was created to depict the locations of hydrants within the vicinity of the DC2RVA project in Henrico County.	
Manholes	Point	Layer received as Manholes.shp. This point feature represents the locations of manholes in Henrico County.	
Parcels	Polygon	Layer received as Parcels.shp. The Parcels layer provides a seamless representation of currently effective tax parcel (real estate property) boundaries within the vicinity of the DC2RVA project in Henrico County. It shows the general shape, position, and adjacency of tax parcels to one another and to other features in the GIS.	
Parking Lots	Polygon	Layer received as ParkingLots.shp. This dataset represents the locations and boundaries of parking lots within a portion of Henrico County.	
Parks	Polygon	Layer received as Railroads.shp. This dataset represents the location and extent of the railroad in in the vicinity of the DC2RVA project in Henrico County.	
Railroads	Line	Layer received as Roads.shp. This dataset was created to depict all roads within a section of Henrico County.	
Roads	Polygon	Layer received as Roads.shp. This layer represents the segments of street, road, or highways in the vicinity of the DC2RVA project in Henrico County.	
Sewer Pipes	Line	Layer received as SewerPipes.shp. This line feature represents the locations and extents of sewer pipe routes in proximity to the DC2RVA project in Henrico County.	
Sewer Pump Stations	Point	Layer received as SewerPumpStations.shp. This point feature represents the geographic locations of sewer pump stations in proximity to the DC2RVA project in Henrico County.	

Name	Type	Description	Source
Soils	Polygon	Layer received as soils.shp. This layer is the USDA, NRCS SSURGO soil survey map units for Henrico County, and has been modified from its original schema to include a subset of the related NASIS database attributes deemed to be most useful to Henrico County staff.	
Spot Elevations	Point	Layer received as SpotElevations.shp. This dataset represents spot elevations of particular areas within a distance of the DC2RVA project in Henrico County.	
Streams	Line	Layer received as Streams.shp. This dataset represents the geographic locations and extents of streams in proximity to the DC2RVA project in Henrico County.	
Street Centerlines	Line	Layer received as StreetCenterlines.shp. This layer represents the segments of street, road, or highway as lines. It includes private streets which are addressable features or which provide access to multiple structures. However, private driveways are not included, except where the drive is a commercial access road. Street names and intersection-to-intersection actual/or theoretical address ranges are stored on this layer.	
Tree cover	Polygon	Layer received as TreeCover.shp. This dataset represents areas of tree cover in the vicinity of the DC2RVA project in Henrico County.	
Waterbodies	Polygon	Layer received as WaterBodies.shp. This dataset represents the geographic locations of rivers, streams, lakes, and ponds in the vicinity of the DC2RVA project in Henrico County.	
Water Pipes	Line	Layer received as WaterPipes.shp. This dataset represents the geographic routes and extents of water piping in the vicinity of the DC2RVA project in Henrico County.	
Zoning	Polygon	Layer received as Zoning.shp. This dataset represents zoning boundaries and extents for a portion of Henrico County.	
<b>City of Richmond</b>			Data received on September 30, 2015 and May 5, 2015. <a href="http://www.richmondgov.com/GIS/">http://www.richmondgov.com/GIS/</a>
City Boundary	Polygon	Layer received as CityBoundary.shp. This dataset represents the current corporation line for the City of Richmond.	
Lakes	Polygon	Layer received as Lakes.shp. This dataset represents the geographic locations of lakes in the City of Richmond.	
Railroad	line	Layer received as Railroad.shp. This dataset represents rail lines in the City of Richmond. The railroads are subtyped to provide a simplified representation of railroad yards, or multiple lines, as a single linear feature, which supports cartographic presentations.	
Road Edges	Line	Layer received as RoadEdge.shp. This dataset represents the edge of a transportation infrastructure element, including: roads, sidewalks, alleys, parking lots, medians, various other pathways, and driveways of 100 feet or more in length. The features were originally interpreted from 1999 orthophotography and have been maintained from site plans and other sources.	
Railroad Generalized	Line	Layer received as RR_generalized.shp. This dataset represents rail lines in the City of Richmond. The railroads are subtyped to provide a simplified representation of railroad yards, or multiple lines, as a single linear feature, which supports cartographic presentations.	
Stream	Line	Layer received as Streams.shp. This dataset includes the geographic locations of streams, their types, and the names of streams in the City of Richmond.	

Name	Type	Description	Source
Structures	Polygon	Layer received as Structure.shp. This dataset represents the footprint of a structure, deck/patio, pool, tennis court, or basketball court. Features were originally interpreted from 1999 orthophotography and have been maintained from site plans and other sources.	
Transportation Surface	Polygon	Layer received as TransportationSurface.shp. This dataset represents roads, parking lots, alleyways and other features in the City of Richmond that can be used for transportation purposes.	
Bike Route	Line	Layer received as BikeRoute.shp. This dataset represents streets with bike lanes, or streets that do not have painted bike lanes, but are intended to support bicycle traffic around the City of Richmond.	
Centerlines	Line	Layer received as Centerlines.shp. This dataset shows the locations of all road centerlines in the City of Richmond.	
Markers	Point	Layer received as Markers.shp. This dataset represents waypoints that are identifiable and recognizable locations along the trail systems in the James River Park area. Waypoints analogous to mile markers used along highways. These waypoints were captured by data captureurs using GPS-enabled devices along these trails to map their locations.	
Trails	Line	Layer received as Trails.shp. This dataset shows the path of trails that are used for biking and hiking in the City of Richmond James River Park system.	
Contours	Line	Layer received as Contours.shp. This dataset represents locations/lines of equal elevation, in a 2 foot contour interval, as it was interpreted from the 1999 digital elevation model that was used to rectify the digital orthophotography during the City's initial GIS base mapping project.	
Floodplains	Polygon	Layer received as DFIRM.shp. This dataset represents all floodplains documented by the Federal Emergency Management Agency for the City of Richmond.	
Floodplain 500	Polygon	Layer received as FloodPlain500.shp. This dataset represents the 500 Year Floodplain from the Federal Emergency Management Agency (FEMA) Digital Flood Insurance Rate Maps (DFIRM).	
Floodplain 100	Polygon	Layer received as FloodPlain100.shp. This dataset represents the 100 Year Floodplain from the Federal Emergency Management Agency (FEMA) Digital Flood Insurance Rate Maps (DFIRM).	
IDA	Polygon	Layer received as IDA.shp. This dataset represents Intensely Developed Areas, established by the Chesapeake Bay Preservation Act.	
RMA	Polygon	Layer received as RMA.shp. This dataset represents Resource Management Areas, established by the Chesapeake Bay Preservation Act. This GIS layer is used to flag properties (hence addresses) as to whether or not they are in a Resource Management Area for use in the City's data warehousing and central address systems.	
RPA	Polygon	Layer received as RPA.shp. This dataset represents Resource Protection Areas, established by the Chesapeake Bay Preservation Act. These GIS layers are used to flag properties (hence addresses) as to whether or not they are in a Resource Protection Area for use in the City's data warehousing and central address systems.	
Soils	Polygon	Layer received as Soils.shp. This dataset represents the soils present in the City of Richmond. As part of the construction review and permitting process, Soil types convey information about their erodibility and potential erosion problems. Soils information is used in GIS mapping and geospatial analyses.	
Wetlands	Polygon	Layer received as Wetland.shp. This dataset represents wetlands from the U.S. Fish and Wildlife Service's National Wetlands Inventory. The Wetland GIS layer is used to flag properties (hence addresses) as to whether or not they have a wetland for use in the City's data warehousing and central address systems.	

Name	Type	Description	Source
Landmarks - Areas of Interest	Polygon	Layer received as AreasOfInterest.shp. This dataset represents common places as polygon features in and around the City of Richmond. Areas of Interest are designed both for cartographic display of common places and they are related to GIS address points, originating from Central Address, which enables the City to associate addresses to common names used in the Landmarks GIS model.	
Community Centers	Point	Layer received as CommunityCenters.shp. This dataset represents the geographic locations of community centers as point features in and around the City of Richmond.	
Fire Stations	Point	Layer received as FireStations.shp. This dataset represents the geographic locations of fire stations as point features in and around the City of Richmond.	
Libraries	Point	Layer received as Libraries.shp. This dataset represents the geographic locations of libraries as point features in and around the City of Richmond.	
Parks	Polygon	Layer received as Parks.shp. This dataset represents the geographic locations of parks as polygon features in and around the City of Richmond.	
Points of Interest	Point	Layer received as PointsOfInterest.shp. This dataset represents common places as point features in and around the City of Richmond. The Points of Interest are designed both for cartographic display of common places and they are related to GIS address points, originating from Central Address, which enables the City to associate addresses to common names used in the Landmarks GIS model.	
Police Stations	Point	Layer received as PoliceStations.shp. This dataset represents the geographic locations of police stations as point features in and around the City of Richmond.	
Public Schools	Point	Layer received as PublicSchools.shp. This dataset represents the geographic locations of public schools as point features in and around the City of Richmond.	
Voting Stations	Point	Layer received as VotingStations.shp. This dataset represents the geographic locations of voting stations as point features in and around the City of Richmond.	
Parcels	Polygon	Layer received as ParcelsASR.shp. This dataset represents the geographic locations of all parcels in the City of Richmond, with associated ownership, identification, and address information.	
Address Points	Point	Layer received as AddressPnts.shp. This dataset represents the geographic locations of all addresses as point features in the City of Richmond.	
Art District	Polygon	Layer received as area_ArtDistrict.shp. This dataset represents the current corporation line for the City of Richmond.	
Art District Incentive Zone	Polygon	Layer received as area_ArtDistrictIncentiveZone.shp. This dataset represents the current corporation line for the City of Richmond.	
CARE	Polygon	Layer received as area_CARE.shp. This dataset represents the Commercial Area Revitalization Effort (CARE) administrative boundaries for the City of Richmond. The CARE program is designated to revitalize and return economic viability to older neighborhood commercial districts, primarily in the City's low and moderate-income districts. CARE areas are used to define/describe the extent and boundaries of these areas for use in GIS. This GIS layer is used to relate properties (hence addresses) to the correlating CARE areas for use in the City's data warehousing and central address systems.	

Name	Type	Description	Source
Civic Associations	Polygon	Layer received as area_CivicAssociation.shp. This dataset represents civic organization boundaries in the City of Richmond.	
Code Inspection	Polygon	Layer received as area_CodeInspection.shp. This dataset represents the Code Enforcement Division Inspector Zones. The Code Enforcement Zones are used in the Intranet CE Parcel Mapper application, which is used to help inspectors evaluate the status (pending, existing, late for inspection) and type (environmental, structural, safety) of code violations within their zones of responsibility.	
Congressional District	Polygon	Layer received as area_CongressDistrict.shp. This dataset represents the Federal Congressional Districts (House of Representatives) in the City of Richmond.	
Council District	Polygon	Layer received as area_CouncilDistrict.shp. This dataset represents the City of Richmond Council Districts. The purpose is to define the extent and boundaries of these election districts for use in GIS.	
Dispatch Zone	Polygon	Layer received as area_DispatchZone.shp. This dataset represents the City of Richmond's Emergency Response Center Dispatch Zones. Dispatch Zones are used by the City of Richmond Emergency Response Center for dispatching Police and Fire personnel. Dispatch Zones are the base from which Police Sectors and Fire Districts are composed.	
Enterprise Zones	Polygon	Layer received as area_EnterpriseZone.shp. This dataset represents enterprise zones in the City of Richmond. Enterprise Zones were created in 1982 by the Virginia General Assembly for the purpose of assisting business development and expansion in specially targeted, economically depressed area. Enterprise Zones are used to define/describe the extent and boundaries of these zones for use in GIS.	
Fire Districts	Polygon	Layer received as area_FireDistrict.shp. This dataset represents the Richmond Fire Department's fire station districts, in order to provide a geographic extent and boundaries for the Fire Districts.	
Historic Districts City	Polygon	Layer received as area_HistoricDistrictCity.shp. This dataset represents the City of Richmond's Old and Historic Districts as designated by local ordinance. Properties that fall within these districts may be entitled to various development incentives and/or regulations.	
Historic Districts NR	Polygon	Layer received as area_HistoricDistrictNR.shp. This dataset represents districts that are listed on the National Register of Historic Places (National Historic designation) and the Virginia Landmarks Register (State designation). Districts may logically carry either both designations or the State designation alone. Both of these programs are administered by the Virginia Department of Historic Resources in conjunction with the City of Richmond Bureau of Housing and Neighborhood Preservation. Properties that fall within these districts may be entitled to various development incentives.	
Housing Opportunity Area	Polygon	Layer received as area_HousingOpportunityArea.shp. This dataset represents Housing Opportunity Areas. These are site-specific areas identified as appropriate for a range of residential densities and uses described in the Master Plan and may provide for higher densities and a greater variety of housing types than generally designated in surrounding areas when unique site circumstances exist and when conditions are attached to the development to ensure compatibility with the surrounding area.	
Land Use Master Plan	Polygon	Layer received as area_LandUseMasterPlan2008.shp. This dataset represents designated land uses based on the 2008 City of Richmond adopted Master Plan. Richmond's Master Plan land use recommendations are intended to provide guidance to future development of land to ensure that these developments are consistent with the choices and preferences that the citizens of the City have identified as critical. Planning staff uses these recommendations as important criteria in evaluating proposed rezonings, special use permits, site plans, and other land use cases.	
Neighborhoods	Polygon	Layer received as area_Neighborhood.shp. This dataset represents the City of Richmond's neighborhood extents and boundaries.	
Neighborhood Statistical Area	Polygon	Layer received as area_NeighborhoodStatisticalArea.shp. The Neighborhood Statistical Areas (NSA) support Balanced Score Card reporting and the City's budgeting processes. The approach to defining the NSAs was as follows: a) 2010 Census Block Groups were merged together to create each individual NSA, b) they were grouped in ways to maximize the ability to share boundaries with existing Planning Districts were ever possible. While most NSAs lie almost entirely within one Planning District, some NSAs are pretty equally split between two planning districts (notably D-1). In the case of D-1, PDR arbitrarily decided to put it with the other 'Downtown' NSAs.	

Name	Type	Description	Source
NIB Impact	Polygon	Layer received as area_NIBImpact.shp. This dataset represents the areas in the City of Richmond that have been impacted by the Neighborhoods in Bloom program. The Neighborhoods in Bloom is a city planned initiative to concentrate significant resources on these neighborhoods until it achieved the critical mass of public investment needed to stimulate self-sustaining, private-market activity there.	
NIB Target	Polygon	Layer received as area_NIBTarget.shp. This dataset represents the areas in the City of Richmond that have been targeted by the Neighborhoods in Bloom program. The Neighborhoods in Bloom is a city planned initiative to concentrate significant resources on these neighborhoods until it achieved the critical mass of public investment needed to stimulate self-sustaining, private-market activity there.	
Planning Districts	Polygon	Layer received as area_PlanningDistrict.shp. This dataset represents Planning Districts in the City of Richmond, which are geographic areas of the city defined by natural and/or man-made features; generally characterized by distinct elements and styles of development, often of a particular era; that define it as unique.	
Police Precinct	Polygon	Layer received as area_PolicePrecinct.shp. This dataset represents Police Precincts. Richmond Police Department Operations consists of four precincts that cover the City of Richmond. Police Precincts are administrative/operational forms of division of a geographical area patrolled by a police force.	
Police Sector	Polygon	Layer received as area_PoliceSector.shp. This dataset represents Police Sectors. Police Sectors are the smallest operational unit of the Richmond Police Department and were implemented for community-based policing initiatives.	
Redevelopment Conservation	Polygon	Layer received as area_RedevConservation.shp. This dataset represents the location of the Richmond Redevelopment and Housing Authority's Redevelopment and Conservation areas. These areas are adopted by local ordinance for the purposes of redevelopment, conservation, or both redevelopment and conservation.	
School Zone Elementary	Polygon	Layer received as area_SchoolZoneElementary.shp. This dataset represents Elementary School zones in the City of Richmond.	
School Zone High School	Polygon	Layer received as area_SchoolZoneHigh.shp. This dataset represents High School zones in the City of Richmond.	
School Zone Middle School	Polygon	Layer received as area_SchoolZoneMiddle.shp. This dataset represents Middle School zones in the City of Richmond.	
State House Districts	Polygon	Layer received as area_StateHouseDistrict.shp. This dataset represents Virginia State House Districts in the City of Richmond.	
State Senate Districts	Polygon	Layer received as area_StateSenateDistrict.shp. This dataset represents Virginia State Senate Districts in the City of Richmond.	
Voter Precincts	Polygon	Layer received as area_VoterPrecinct.shp. This dataset represents the City of Richmond Voter Precincts. It's purpose is to define the extend and boundaries of these election districts for use in GIS.	
Zoning	Polygon	Layer received as area_Zoning.shp. This dataset represents zoning districts defined by the City of Richmond Zoning Ordinance. Zoning is a device of land use regulation used by the City of Richmond and other local governments to designate permitted uses of land based on mapped zoning districts. Districts may be regulated by land uses (residential, commercial, etc.), and/or it may be regulated by features (building height, lot coverage, etc.).	
Community Unit Plan	Polygon	Layer received as dcd_CommunityUnitPlan.shp. This dataset represents areas designated as Community Unit Plans. The City Charter specifically authorizes the use of this process for the development of sites containing 10 or more acres in a way that does not comply with underlying zoning. Typically, it is used for large scale, mixed-use developments.	

Name	Type	Description	Source
Design Overlay	Polygon	Layer received as dcd_DesignOverlay.shp. This dataset represents areas designated as Design Overlay Districts. The purpose of the design overlay district is to protect developed areas of the City characterized by uniqueness of established neighborhood character, architectural coherence and harmony, or vulnerability to deterioration. This is accomplished through controlling the patterns of architectural design and development in residential and commercial neighborhoods, which may include new construction, alterations, and demolitions.	
Land Use Project	Polygon	Layer received as dcd_LandUseProject.shp. This dataset represents the following types of projects: Rezoning, Conditional Rezoning, Plan of Development, Plan of Development Amendment, Special Use Permits, Special Use Permit Amendment, Institutional Master Plan, Preliminary Community Unit Plan, Preliminary Unit Plan Amendment, Preliminary Subdivision, Conditional Use Permit, Conditional Use Permit Amendment for the City of Richmond.	
Special Use Permits Points	Point	Layer received as dcd_SpecialUsePermitPoint.shp. This dataset represents parcel location with Special Use Permits in the City of Richmond. Richmond's version of the special use permit process may authorize any use at any location subject to specified conditions. This power is unique to Richmond and should not be confused with the traditional special use permit as used in other jurisdictions.	
<b>Chesterfield County</b>			Megan Moliqum, GIS Specialist moliqum@chesterfield.gov Data received on September 19, 2014, November 12, 2014, March 11, 2015, May 5, 2015, and October 7, 2015.
Contours	Line	Layer received as Contours.shp. This dataset represents locations/lines of equal elevation, in a 2 foot contour interval for Chesterfield County.	
Big Parks	Polygon	Layer received as bigparks.shp. This dataset provides the locations and names of large parks in Chesterfield County.	
Boundary	Line	layer received as boundary.shp. This dataset provides the geographic boundary for Chesterfield County.	
Buildings	Polygon	Layer received as buildings.shp. This dataset provides building footprints within Chesterfield County.	
County Parks	Polygon	Layer received as countyparks.shp. This dataset provides the geographic locations and names of county owned parks in Chesterfield County.	
Easements	Polygon	Layer received as easement.shp. This dataset provides the geographic locations and types for easements in Chesterfield County.	
Floodplains	Polygon	Layer received as floodp.shp. This dataset provides 100-year floodplain boundaries for Chesterfield County.	
General Streets	Line	Layer received as genstr.shp. This dataset provides streets data for Chesterfield County.	
Impervious Surfaces	Polygon	Layer received as impervious.shp. This dataset illustrates impervious surfaces in Chesterfield County.	
Index	Polygon	Layer received as index.shp. This dataset represents a tile index with associated ID numbers for Chesterfield County.	
Lakes	Polygon	Layer received as lakesp.shp. This dataset represents the geographic locations, the type of waterbody (lake, pond, or reservoir) and the name of the waterbody (if applicable) for Chesterfield County.	

Name	Type	Description	Source
Lot Lines	Line	Layer represents lot lines in Chesterfield County.	
Miscellaneous Lines	Line	Layer represents miscellaneous lines in Chesterfield County.	
Parcels	Polygon	Layer received as parcelp.shp. This dataset represents parcel boundaries for Chesterfield County. Ownership and address information is also included in this dataset.	
Reservoirs	Polygon	Layer received as reservoirp.shp. This dataset was created to depict the geographic locations and names of reservoirs in Chesterfield County.	
River body	Polygon	Layer received as riverbdy.shp. This dataset provides the boundaries of the Appomattox River and the James River around Chesterfield County.	
RPA	Polygon	Layer received as rpap.shp. This dataset provides the boundaries and extents of Resource Protection Areas in Chesterfield County.	
Streams	Line	Layer received as streams.shp. This dataset provides geographic location information on streams located in Chesterfield County.	
Streets	Line	Layer received streets.shp. This dataset provides information on the route numbers and street names for roads in Chesterfield County.	
Subdivisions	Polygon	Layer received as subdivp.shp. This dataset provides the geographic boundaries, extents, and names of subdivisions in Chesterfield County.	
Easements	Polygon	Layer received as ueasement.shp. This dataset provides ownership information for easements in Chesterfield County.	
Zoning	Polygon	Layer received as zoningp.shp. This dataset provides the extent and boundary information for the various zoning types defined in Chesterfield County.	