

From: [Davis-Martin, James \(DCR\)](#)
To: [White, Bob \[DHCD-CLG\] \(DHCD\)](#); [Eddie Wells](#); [Meil, Elaine](#); [Erin Yancey](#); [Jennifer Tribo](#); [Jill Keihn](#); [Byrnes, Kevin, AICP](#); [Lawrence, Lewis](#); [Bittner, Mark](#); [Mary Hickman](#); [Michelle Edwards](#); [Norm Goulet](#); [Sarah Stewart](#); [Williams, Stephen](#); [McKenzie, Stuart](#)
Cc: [Quinlan, Beverly \(DCR\)](#)
Subject: Local Landuse Data Request
Date: Thursday, February 28, 2013 3:29:39 PM
Attachments: [Local Landuse Data Request.docx](#)

Colleagues,

As a result of comments made and data provided by local governments and PDCs during development of our Phase II Watershed Implementation Plan concerning the land use in the Chesapeake Bay Model, the Chesapeake Bay Program has formed a Land Use Workgroup to address this important issue. On behalf of the Chesapeake Bay Program's (CBP) Land Use Workgroup, I would like to solicit your participation in the collection of more detailed local land use and related data in GIS format. The data will be reviewed, analyzed, and used to replace or supplement regional land use data for estimating past, current, and future nutrient and sediment loads to the Chesapeake Bay. This is the next step toward using local government and PDC land use data to improve the next generation of models that will help guide the restoration of the Chesapeake Bay.

It's our hope that the PDCs will act as cooperators with DCR, as you did in our Phase II WIP efforts, to share this request with your local governments and provide assistance as needed. Details regarding the overall data collection effort and types of data requested are included in the attached document. We ask that these data be provided to DCR by June 26th, 2013.

DCR will act as the collection point to transmit local data to the CBP. All data and any technical questions should be directed to Beverly Quinlan (Beverly.Quinlan@dcr.virginia.gov 804-371-0297).

Thank you for your continuing efforts toward cleaning up the Chesapeake Bay and our local streams.

James Davis-Martin
Virginia Department of Conservation and Recreation
Chesapeake Bay Program Coordinator



Chesapeake Bay Program Land Use Workgroup's Local Data Request

The Chesapeake Bay Program (CBP) is requesting state and local jurisdiction data to inform the next generation of models. This is an opportunity to improve the accuracy of nutrient and sediment sources modeled within your jurisdiction. The local land use and related data will be reviewed, analyzed, and used to replace or supplement regional land use data for estimating past, current, and future nutrient and sediment loads to the Chesapeake Bay. We ask that these data be provided to the Virginia Department of Conservation and Recreation by June 26, 2013 but we would prefer to receive the data sooner if possible.

This request initiates Phase 1 of a three-phased process.

Phase 1 involves collecting readily available land use and related datasets for review and analysis. The Land Use Workgroup will review and analyze these data by comparing them with regional land use and high resolution land cover data and through comparing classification systems. The data will also be used to assess the accuracy of regional land use/land cover data and modeling assumptions. Based on these analyses, a protocol will be developed to evaluate and accept local data for use in CBP models.

Phase 2 will be initiated in the summer/fall of 2013 and will focus on identifying gaps in the types and locations of data and on filling those gaps through targeted solicitation efforts.

Phase 3 involves an ongoing update process starting in 2014 and lasting through the spring of 2015 during which time updates and newly developed local data will be provided to the CBP.

The CBP's Land Use Workgroup requests the following information in ESRI ArcGIS readable vector or raster formats and complete with metadata and sharing restrictions. All data should be accessible via download, electronic transmittal or CD/DVD.

1. Contact information for data providers
2. Land use, current and historic (1980+) with descriptions of the codes, date of source imagery, and a brief description of methods used to develop the data.
3. Impervious surfaces
4. Other land cover (e.g., imagery derived tree canopy, turf grass, herbaceous vegetation)
5. Extractive areas (e.g., quarries, active and reclaimed surface mines, shale gas pads and related pipelines and roads)
6. Sewer service areas (current and proposed future service areas)
7. MS4/CSS stormwater regulated areas

8. Zoning with keys to interpret codes
9. Protected lands (including parks, recreation areas, and other county owned lands unavailable for future development)
10. Priority reinvestment/ growth areas, designated growth areas, urban renewal/reinvestment zones, etc.
11. Actively planned and/or permitted developments (excluding approved but expired permits)
12. Special environmental protection areas (e.g., Critical Areas, Chesapeake Bay Preservation Areas, riparian buffers, erosion prone soils, flood zones, habitat protection areas)
13. Passenger rail transit stations (current and proposed)
14. Conservation priority areas (e.g., agricultural districts, green infrastructure hubs and/or corridors, rural legacy areas)
15. Planned transportation improvements that would influence land use (i.e. new roads, increased capacity, new interstate exits, etc.)
16. Comprehensive Plan future land use or land use plan areas with relevant dates and keys to interpret codes
17. Other data informing current or potential future land use

Please direct all data and any questions to:

Beverly Quinlan
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