Delaware River Basin Mapping

DELAWARE RIVER BASIN
Land Use Dynamics
SHIPPENSBURG UNIVERSITY

University of Vermont
Spatial Analysis Lab

Intersecting Counties (43 counties)
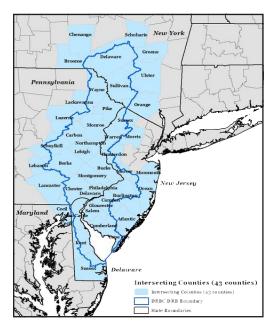- Intersecting Counties (43 counties)
- DRBC DRB Boundary
- State Boundaries

Introduction

Shippensburg University, the University of Vermont, and the USGS are collaborating to develop a high-resolution land cover dataset for all counties that intersect the Delaware River Basin. When complete, it will be the most detailed and accurate land cover data ever developed for the Basin. Seven land cover classes will be mapped: **1)** tree canopy, **2)** grass/shrub, **3)** bare soil, **4)** water, **5)** buildings, **6)** roads/railroads, and **7)** other impervious. The land cover dataset will reflect conditions in the summer of 2013 and will represent a "top-down" approach to mapping. The data will be made available to the general public at no charge.

Example of a 7-class landcover map

Gathering Data

Land cover will be derived primarily from a combination of high-resolution imagery and LiDAR data. We are reaching out to communities who may be interested in providing supplemental GIS datasets that could improve the accuracy and consistency of the final land cover product. Examples include address points, building polygons, curb edges, and parcel land use. Even datasets that are incomplete or contain inaccuracies may be of use. If you are willing to share your data, please reach out to us.

Why contribute?

High-resolution land cover datasets typically cost a county tens of thousands of dollars and have a broad range of uses from urban tree canopy assessments to stormwater modeling. By providing your local GIS data you can insure that the land cover product not only matches up with your existing database but you help to improve the overall accuracy, insuring that your community has the best possible land cover layer. Communities interested in standalone products, such as building footprints, are encouraged to contact us to discuss options.

Data needed

Tree Canopy | Grass & Shrubs | Curb Edges | Parcel Land Use | Address Points

Water | Bare Soil | Road Polygons & Centerlines | Paved Surfaces | Building Polygons

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