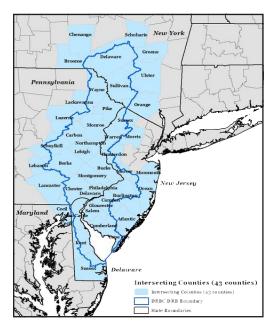
Delaware River Basin Mapping







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.

Tree Grass & Canopy Shrubs



Water Bare Soil

Data needed



Curb Edges



Road Polygons & Centerlines



Parcel Land Use



d Use Points



Paved Surfaces Building Polygons

Funding for this project comes from the William Penn Foundation. The William Penn Foundation, founded in 1945 by Otto and Phoebe Haas, is dedicated to improving the quality of life in the Greater Philadelphia region through efforts that increase educational opportunities for children from low-income families, ensure a sustainable environment, foster creativity that enhances civic life, and advance philanthropy in the Philadelphia region. In partnership with others, the Foundation works to advance opportunity, ensure sustainability, and enable effective solutions. Since inception, the Foundation has made nearly 10,000 grants totaling over \$1.6 billion. The Foundation's assets exceed \$2.3 billion as of Nov. 30, 2014. More information about the foundation is available on its website at www.williampennfoundation.org

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