The way DVRPC is serving its GIS data to the public via the internet

MAC URISA FALL MEETING 2005
September 29, 2005

Christopher R. Pollard
GIS Analyst, Cartographer, Online Mapping Developer, Practicing Geographer
DVRPC’s Original Online Mapping Application

ArcView IMS
OnlineMapping

This online Geographic Information System (GIS) application was developed by DVRPC as part of our Regional Information Network. It contains a selective subset of GIS data. For more information regarding DVRPC’s full GIS or to order custom maps, please contact DVRPC. With each application, you can interactively view thematic data, geographic features, create your own custom map and access information about certain features.

General Mapping
This application was developed to provide access to basic map information in the nine-county Philadelphia metropolitan area for the general public.

Economic Development Mapping
This application was developed for TeamPA’s 7-county Southeastern PA region to assist in economic development of the region.
• General Mapping
• Trail Clearinghouse
• TIP Interactive Mapping (PA & NJ)
• Traffic Counts (PA & NJ)
• Orthophoto Tile Identification (2000)
• Conservation Planning (28 County Region)
• Stormwater Outfall Mapping (Tri-County)
• Economic Development (SEPA)
• Intergraph (Pentium II)
• 400 MHz/256 RAM/8 GB
• Windows NT Operating System
• ArcIMS 3.0
ESRI’s ArcIMS 3.0

• Allow’s DVRPC to share information, data & technology over the internet
• Easy to use at a variety of skill levels
• Reads data from (shapefiles, ArcSDE data layers, & several image formats)
• Good example of showing the public how GIS is viewed and distributed
HTML Image Viewer

- Completes map image & sends it to the web browser (.JPG, .GIF, or .PNG)
- Supports a variety of browsers & platforms
- Less clientside processing
- Plug-ins aren’t allowed
HELP ?

Zoom In: Zooms in on the position you click or the box you drag on the map.

Zoom Out: Zooms out on the position you click or the box you drag on the map.

Zoom to Full Extent: Zooms to the full extent of the map.

Pan: Pans the map as you drag the pointer across the map.

Identify: Lists the attributes of a feature in the selected Active layer by clicking on the map.

Query: Allows you to create queries using active layers data.

Find: Locates a feature in the selected Active layer.

Measure: Measures distances by clicking on two or more points on map.

Buffer: After selecting an area or site using Buffer, view data on features within a selected radius.

Select by Rectangle: Draw box to enable buffer tool.

Clear Selection: Clears the selected feature in the active layer.

Print: Prints your map with a legend to your printer.
2000 Orthophoto Tile Identification
New Jersey 2000 Orthophoto Tile Index - Aerials

Orthophoto Tile Grid

Map: 424973.37, 497165.57 - Image: 522, 10 - Scale Factor: 17, 330429.194/35

Orthophoto Tile Index

This index identifies the coverage of individual orthophoto tiles for both digital and hard copy products. The images are georeferenced to the New Jersey State Plane HAD 83 coordinate system. The imagery has a pixel resolution of 1.5 feet, a horizontal positional accuracy of ±1.5 feet and a cloud cover of 10%. There is no clipping between the orthophoto tiles.

MGI20 is a proprietary image file format.

ZOOM TO
FY 2005 -2008 Transportation Improvement Program

TIP projects not mapped
14251    47985
14272    50662
14587    60687
14602    65613
14653    65903
47407    68025
47408    68026

Highway Program
- Bridge Improvement
- Intersection Improvement
- Rail Station Improvement
- Roadway Improvement
- Bicycle/Pedestrian Improvement
- Improvement Area

Chester County

Delaware Valley Regional Planning Commission
October 2004
Future Applications

- Environmental Justice
- Transit
- Census mapping
- DVRPC’s Forecast mapping
Planned Improvements

• Enhance/improve current applications
• Hyperlinks
  (websites, photos)
• New layers
  (2000 Employment Centers, 2005 Land Use, Major Employers, Shopping Centers)
• Additional themes
  (DVRPC Forecasts, 2000 Census)
For more information visit DVRPC’s website:

www.dvrpc.org