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

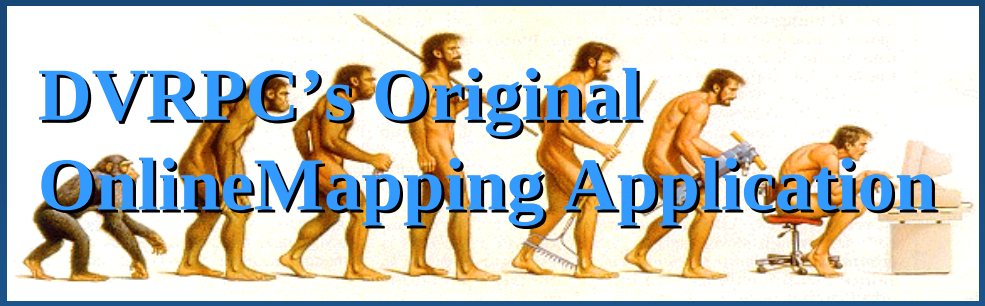
MAC URISA FALL METTING 2005

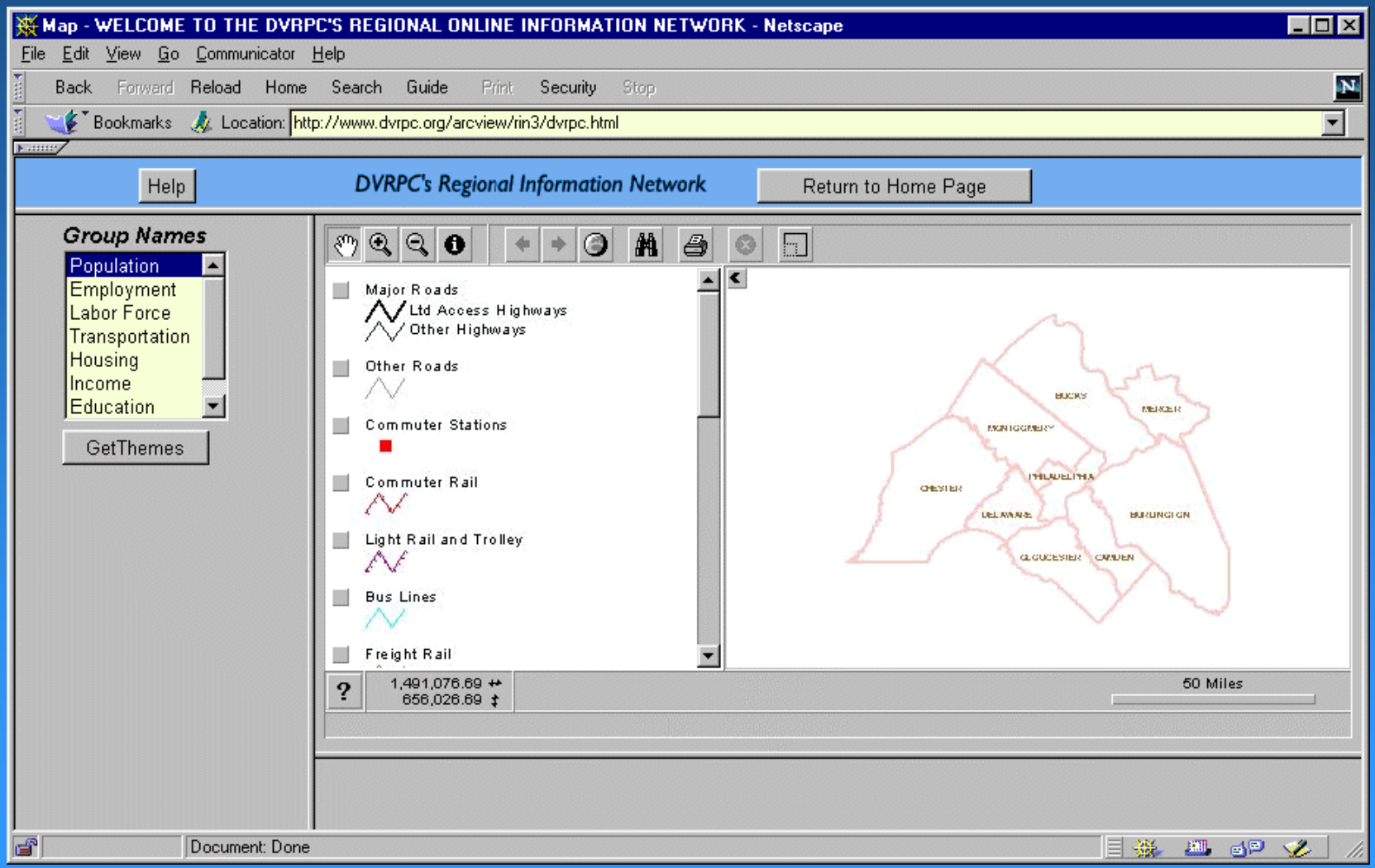
September 29, 2005

Christopher R. Pollard

GIS Analyst, Cartographer, Online Mapping Developer, Practicing Geographer

DVRPC's Original OnlineMapping Application





ArcViewIMS

DVRPC/ Data Services/ OnlineMapping: Regional Information Network (RIN) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.dvrpc.org/mapping.htm

DVRPC

Return to Homepage
Site Map

Data Services

ONLINE MAPPING

This site uses Unisys U.S. Patent No. 4,558,302 and/or foreign counterparts, which is licenced by Unisys for use on this site as a public service.

DELAWARE VALLEY REGIONAL PLANNING COMMISSION

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 interactivly 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.

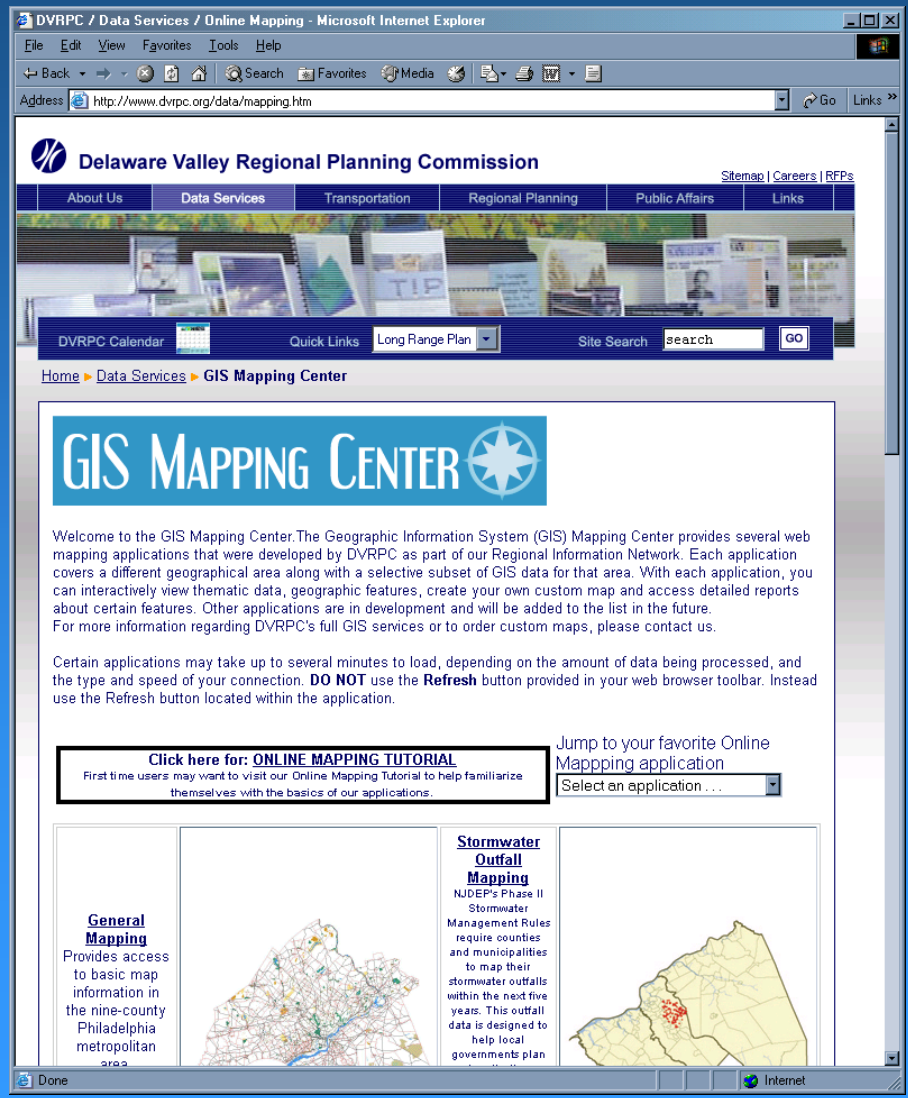
Economic Development Mapping

This application was developed for TeamPA's 7-county Southeastern PA region to assist in economic development of the region.

Internet

GIS Mapping Center

- 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

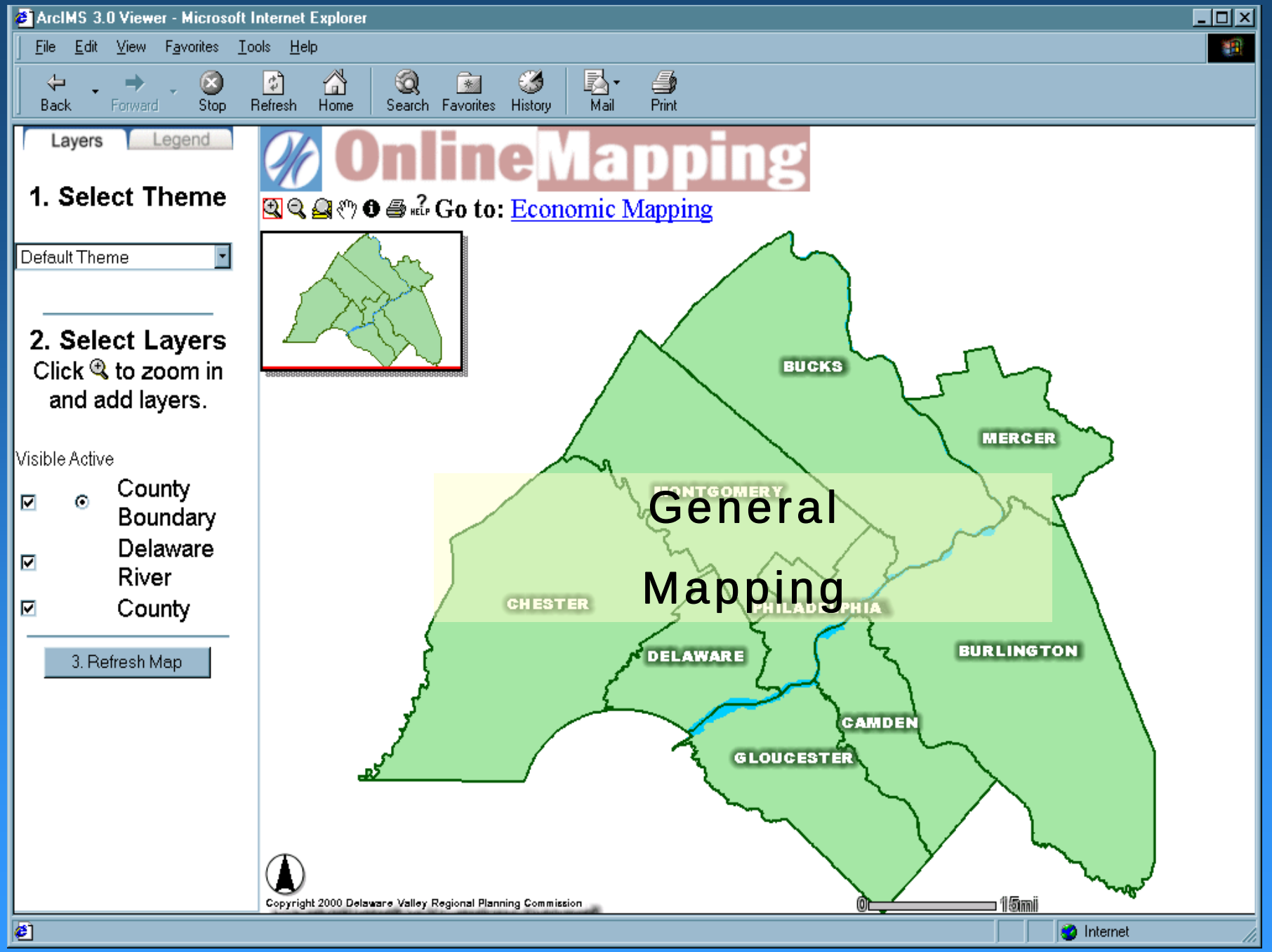
MAPS

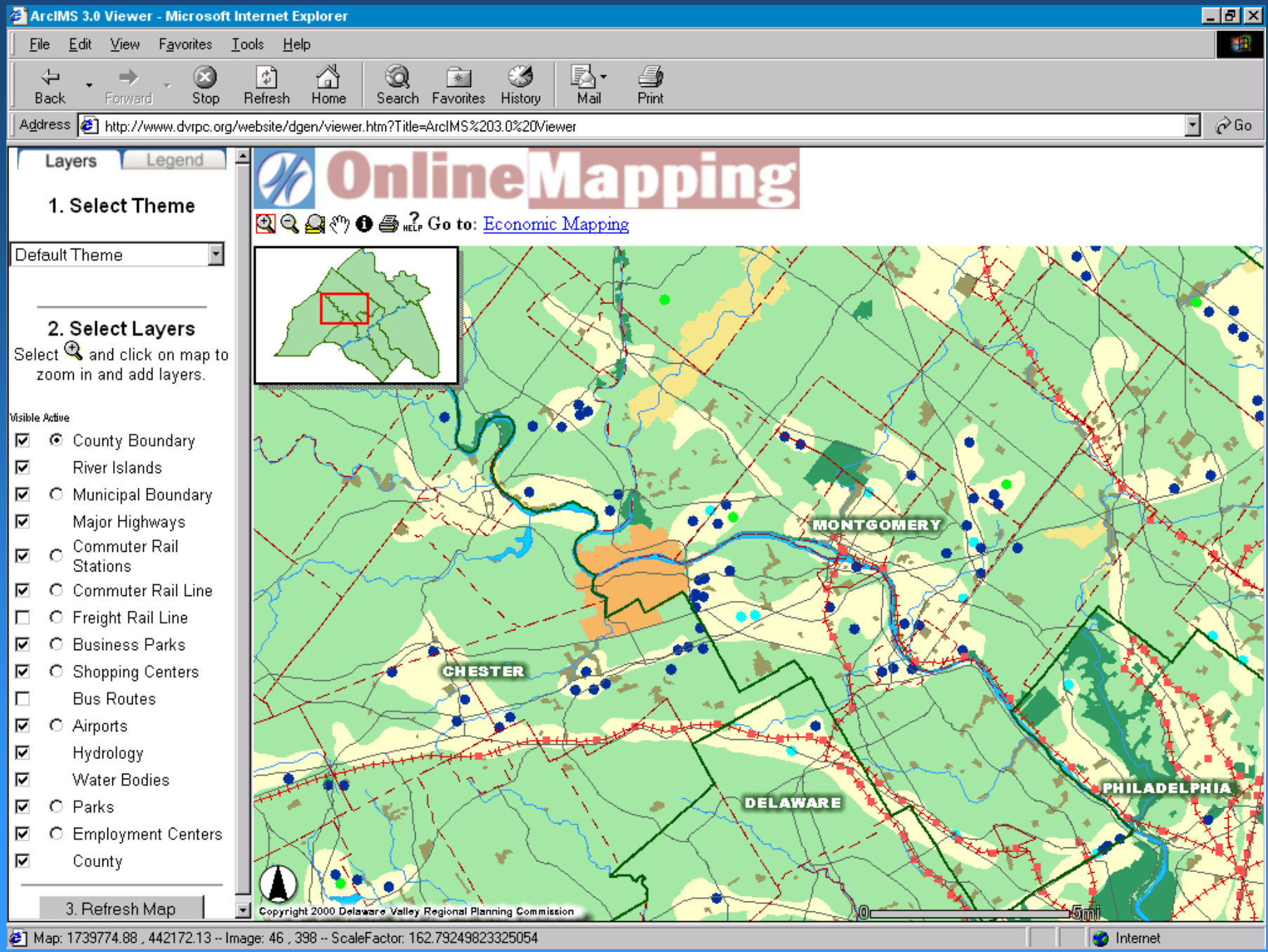
ESRI's ArcIMS 3.0

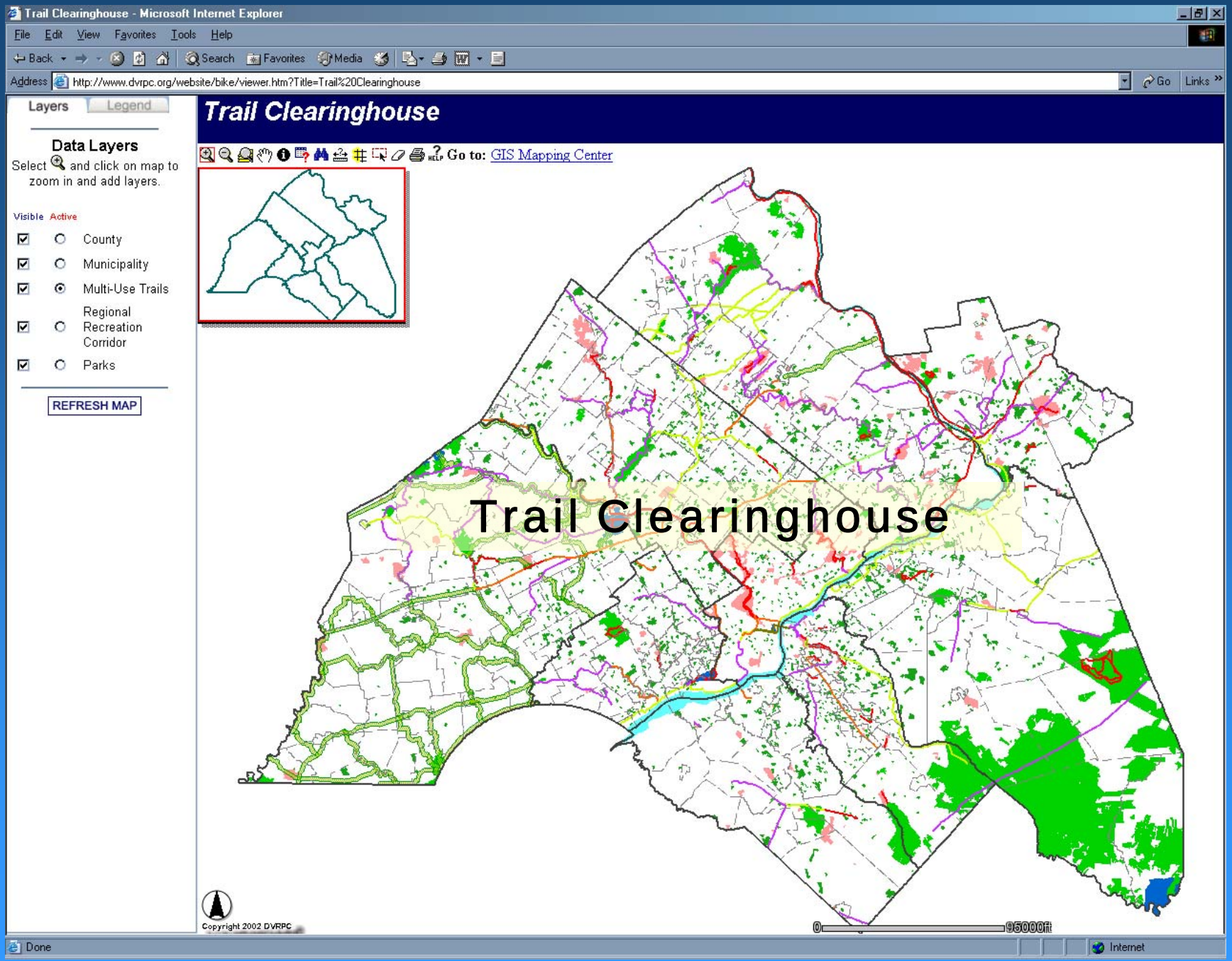
- Allow's DVRPC to share information, data & technology over the internet
- Easy to use at a variety of skill levels
- Reads data from (shapefiles, ArcSDE data layers, & several image formats)
- Good example of showing the public how GIS is viewed and distributed

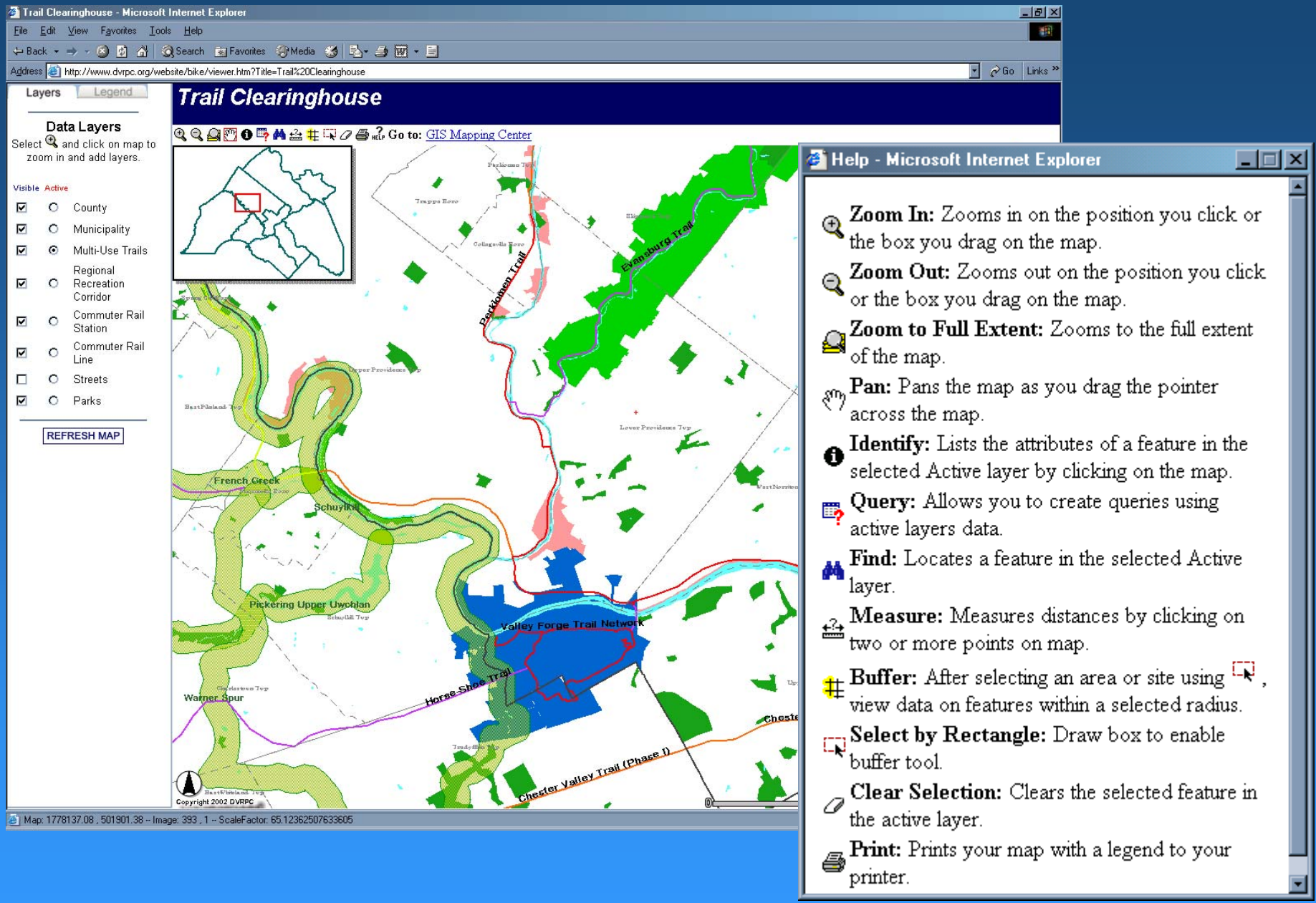
HTML Image Viewer

- 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

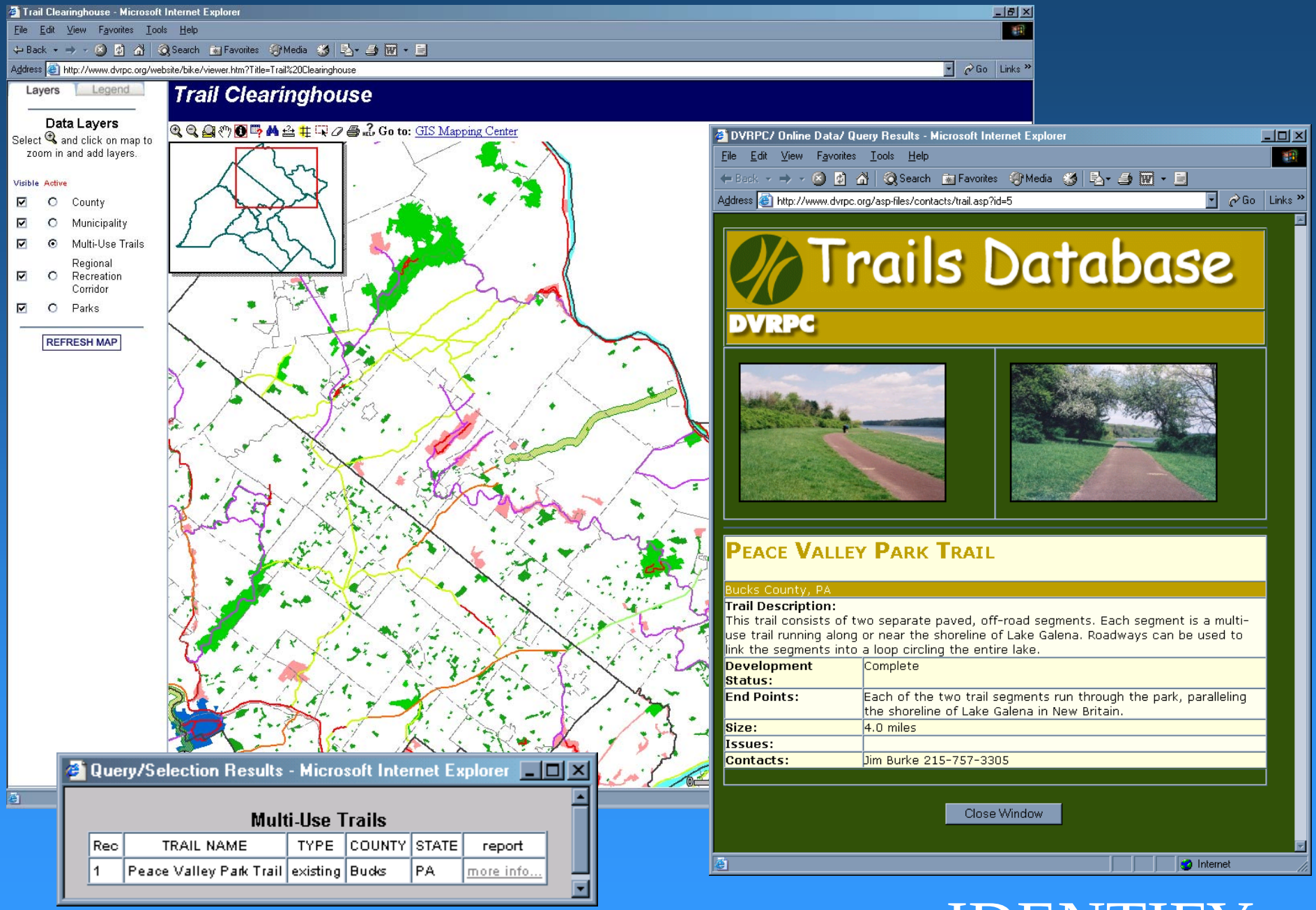

ArcIMS 3.0 Viewer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Layers
Legend
1. Select Theme
Default Theme
2. Select Layers
Click to zoom in and add layers.
Visible Active
County Boundary
Delaware River
County
3. Refresh Map
OnlineMapping
Go to: Economic Mapping
General Mapping
BUCKS
MERCER
MONTGOMERY
CHESTER
PHILADELPHIA
DELAWARE
BURLINGTON
CAMDEN
GLOUCESTER
Copyright 2000 Delaware Valley Regional Planning Commission
0
15mi
Internet

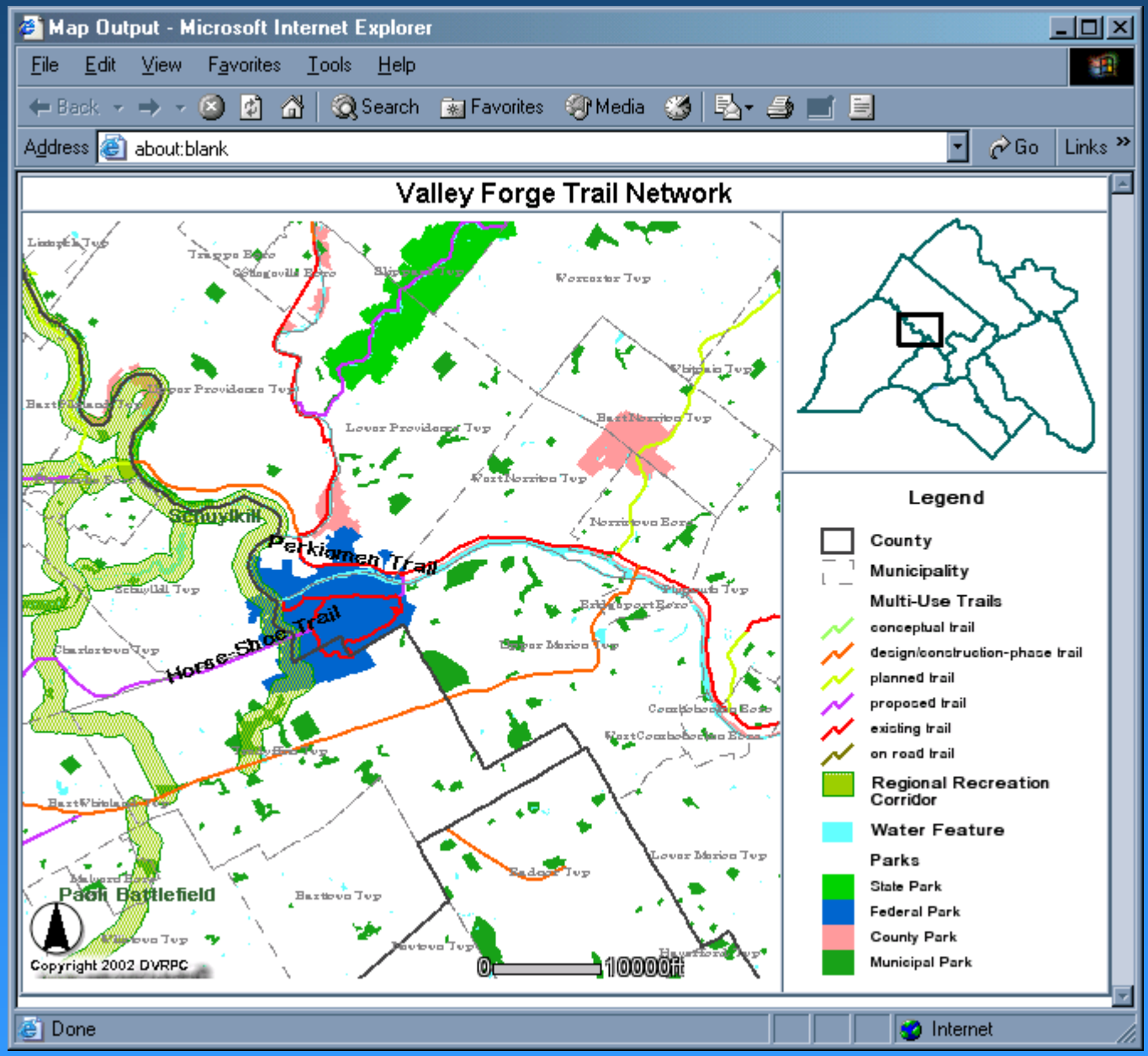

ArcIMS 3.0 Viewer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Address http://www.dvrpc.org/website/dgen/viewer.htm?Title=ArcIMS%203.0%20Viewer
Go
Layers
Legend
1. Select Theme
Default Theme
2. Select Layers
Select and click on map to zoom in and add layers.
Visible Active
County Boundary
River Islands
Municipal Boundary
Major Highways
Commuter Rail Stations
Commuter Rail Line
Freight Rail Line
Business Parks
Shopping Centers
Bus Routes
Airports
Hydrology
Water Bodies
Parks
Employment Centers
County
3. Refresh Map
OnlineMapping
Go to: Economic Mapping
MONTGOMERY
CHESTER
DELAWARE
PHILADELPHIA
Copyright 2000 Delaware Valley Regional Planning Commission
0
5mi
Map: 1739774.88 , 442172.13 -- Image: 46 , 398 -- ScaleFactor: 162.79249823325054
Internet


Trail Clearinghouse - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/bike/viewer.htm?Title=Trail%20Clearinghouse
Go Links
Layers Legend
Data Layers
Select and click on map to zoom in and add layers.
Visible Active
County
Municipality
Multi-Use Trails
Regional Recreation Corridor
Parks
REFRESH MAP
Trail Clearinghouse
Go to: GIS Mapping Center
Trail Clearinghouse
Copyright 2002 DVRPC
0 95000ft
Done
Internet

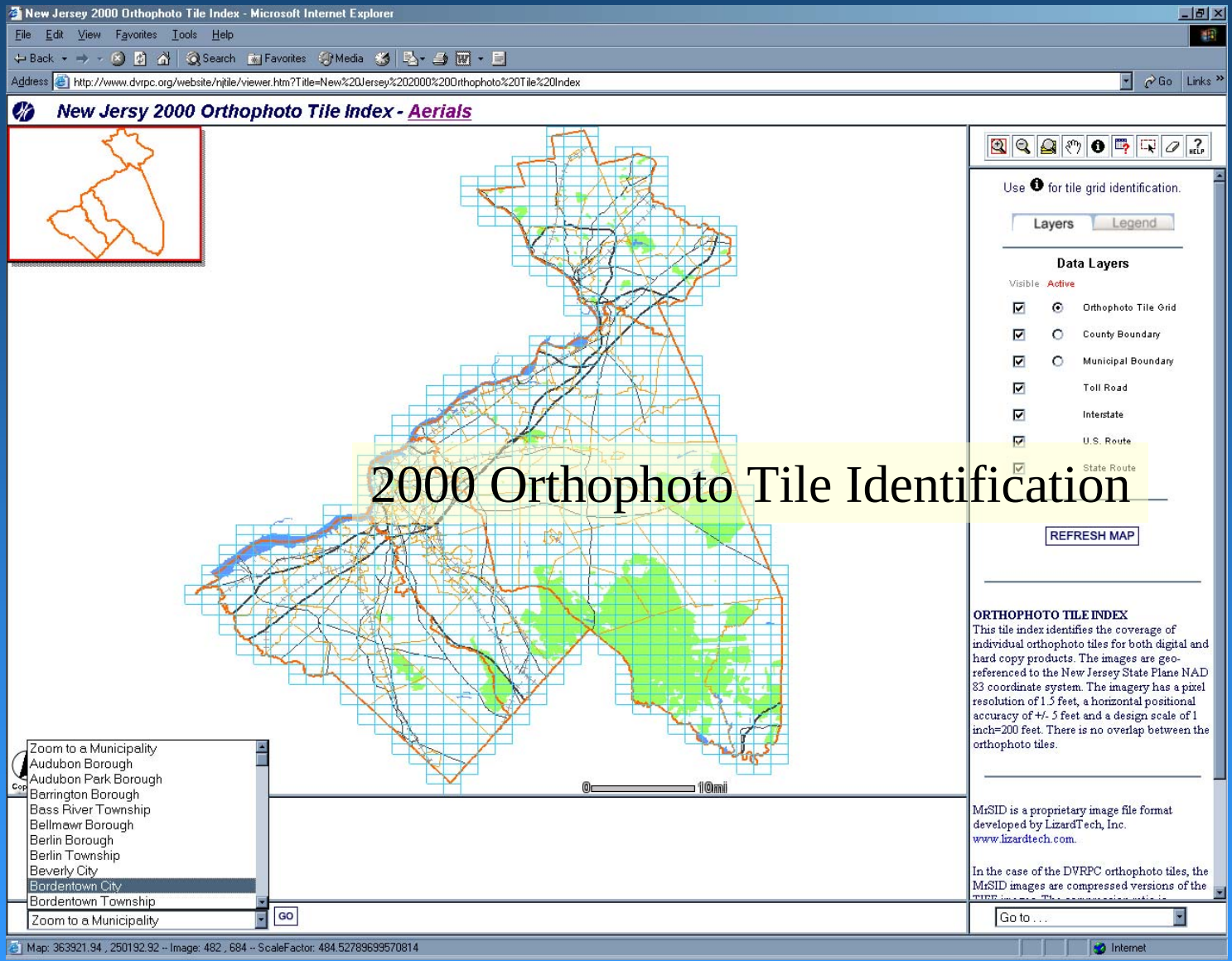

Trail Clearinghouse - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/bike/viewer.htm?Title=Trail%20Clearinghouse
Go Links
Layers
Legend
Data Layers
Select and click on map to zoom in and add layers.
Visible Active
County
Municipality
Multi-Use Trails
Regional Recreation Corridor
Commuter Rail Station
Commuter Rail Line
Streets
Parks
REFRESH MAP
Trail Clearinghouse
Go to: GIS Mapping Center
Perkiomen Trail
Evansburg Trail
French Creek
Schuylkill
Pickering Upper Uwchlan
Valley Forge Trail Network
Horse Shoe Trail
Warner Spur
Chester Valley Trail (Phase I)
Copyright 2002 DVRPC
Map: 1778137.08 , 501901.38 -- Image: 393 , 1 -- ScaleFactor: 65.12362507633605
Help - Microsoft Internet Explorer
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 , 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.

HELP ?


Trail Clearinghouse - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/bike/viewer.htm?Title=Trail%20Clearinghouse
Go Links
Layers Legend
Data Layers
Select and click on map to zoom in and add layers.
Visible Active
County
Municipality
Multi-Use Trails
Regional Recreation Corridor
Parks
REFRESH MAP
Trail Clearinghouse
Go to: GIS Mapping Center
Query/Selection Results - Microsoft Internet Explorer
Multi-Use Trails
Rec
TRAIL NAME
TYPE
COUNTY
STATE
report
1
Peace Valley Park Trail
existing
Bucks
PA
more info...
DVRPC/ Online Data/ Query Results - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/asp-files/contacts/trail.asp?id=5
Go Links
Trails Database
DVRPC
PEACE VALLEY PARK TRAIL
Bucks County, PA
Trail Description:
This trail consists of two separate paved, off-road segments. Each segment is a multi-use trail running along or near the shoreline of Lake Galena. Roadways can be used to link the segments into a loop circling the entire lake.
Development Status:
Complete
End Points:
Each of the two trail segments run through the park, paralleling the shoreline of Lake Galena in New Britain.
Size:
4.0 miles
Issues:
Contacts:
Jim Burke 215-757-3305
Close Window
Internet
IDENTIFY

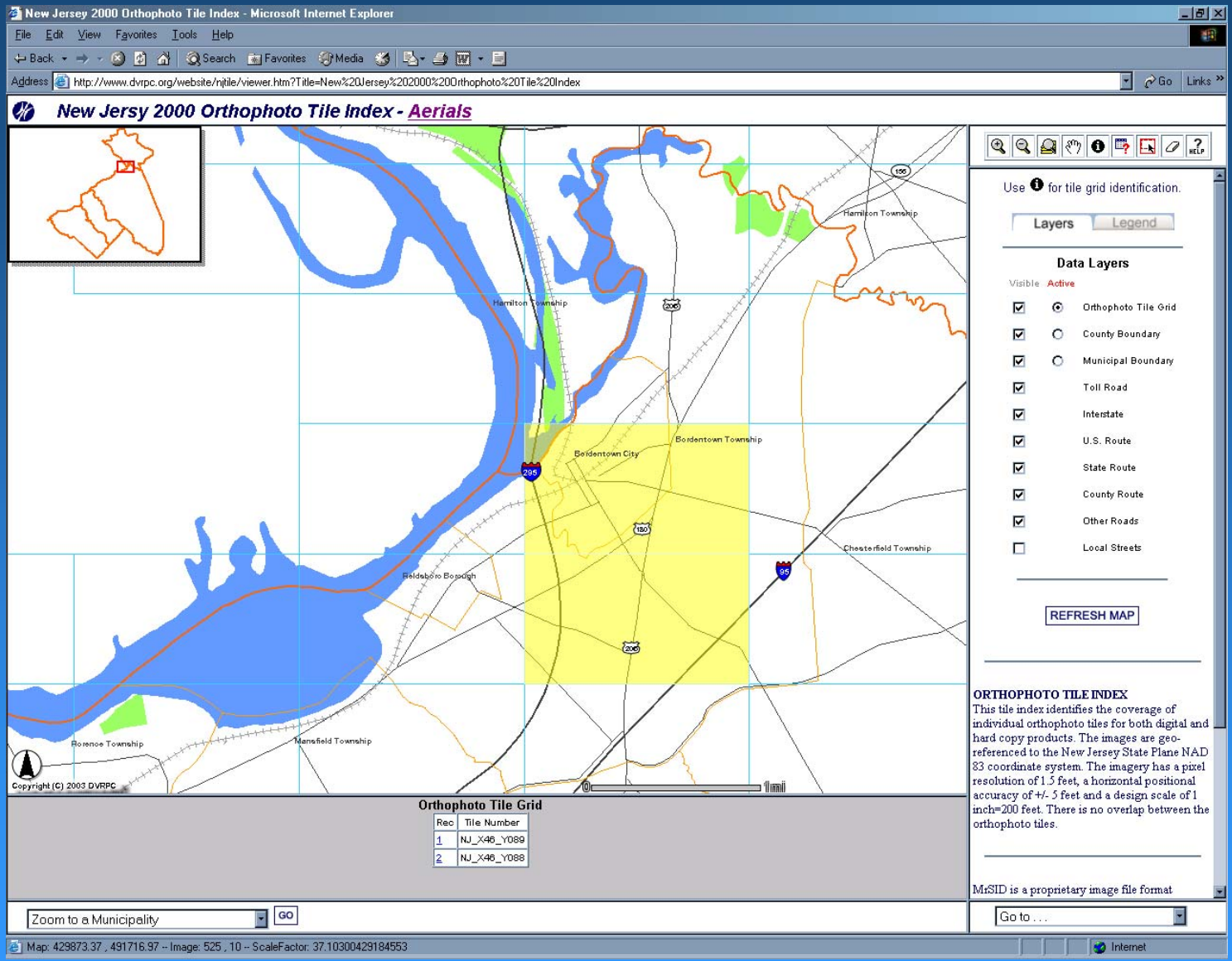

Map Output - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address about:blank
Go Links
Valley Forge Trail Network
Perkiomen Trail
Horse-Shoe Trail
Paoli Battlefield
Copyright 2002 DVRPC
0 10000ft
Legend
County
Municipality
Multi-Use Trails
conceptual trail
design/construction-phase trail
planned trail
proposed trail
existing trail
on road trail
Regional Recreation Corridor
Water Feature
Parks
State Park
Federal Park
County Park
Municipal Park
Done
Internet

PRINT



2000 Orthophoto Tile Identification

ZOOM TO


New Jersey 2000 Orthophoto Tile Index - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/njtile/viewer.htm?Title=New%20Jersey%202000%20Orthophoto%20Tile%20Index
Go Links
New Jersey 2000 Orthophoto Tile Index - Aerials
Use for tile grid identification.
Layers Legend
Data Layers
Visible Active
Orthophoto Tile Grid
County Boundary
Municipal Boundary
Toll Road
Interstate
U.S. Route
State Route
County Route
Other Roads
Local Streets
REFRESH MAP
ORTHOPHOTO TILE INDEX
This tile index identifies the coverage of individual orthophoto tiles for both digital and hard copy products. The images are geo-referenced to the New Jersey State Plane NAD 83 coordinate system. The imagery has a pixel resolution of 1.5 feet, a horizontal positional accuracy of +/- 5 feet and a design scale of 1 inch=200 feet. There is no overlap between the orthophoto tiles.
MrSID is a proprietary image file format
Hamilton Township
Bordentown City
Bordentown Township
Chesterfield Township
Roebling
Florence Township
Mansfield Township
Copyright (C) 2003 DVRPC
Orthophoto Tile Grid
Rec Tile Number
1 NJ_X46_Y089
2 NJ_X46_Y088
Zoom to a Municipality
GO
Go to . . .
Map: 429873.37 , 491716.97 -- Image: 525 , 10 -- ScaleFactor: 37.10300429184553
Internet

ZOOM TO

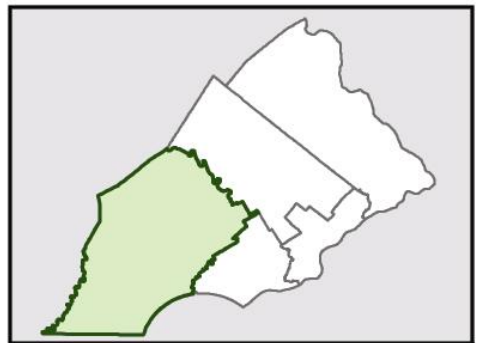
FY 2005 -2008 Transportation Improvement Program

TIP projects not mapped

14251	47985
14272	50662
14587	60687
14602	65613
14653	65903
47407	68025
47408	68026

Highway Program

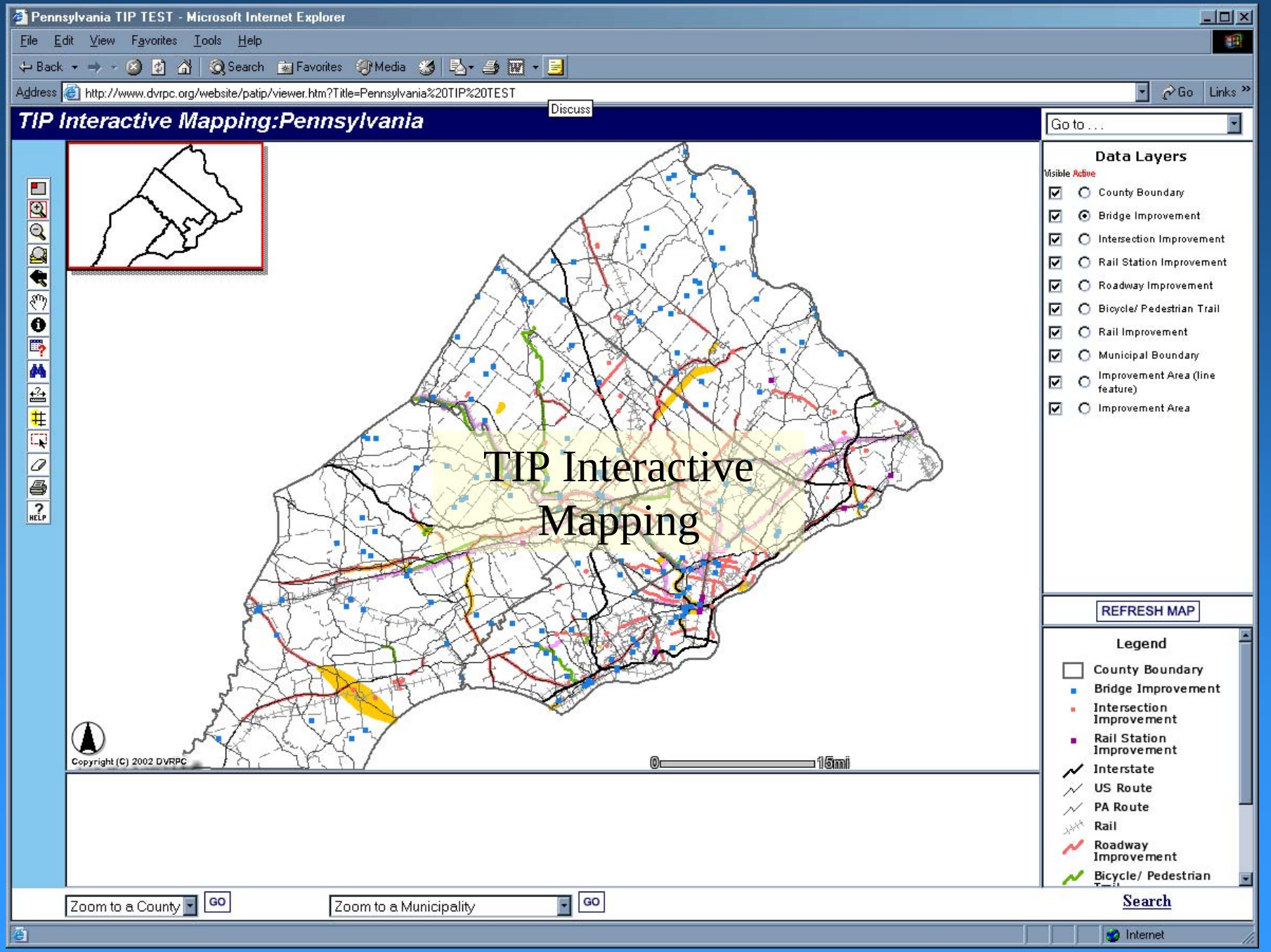
- Bridge Improvement
- Intersection Improvement
- Rail Station Improvement
- Roadway Improvement
- Bicycle/Pedestrian Improvement
- Improvement Area

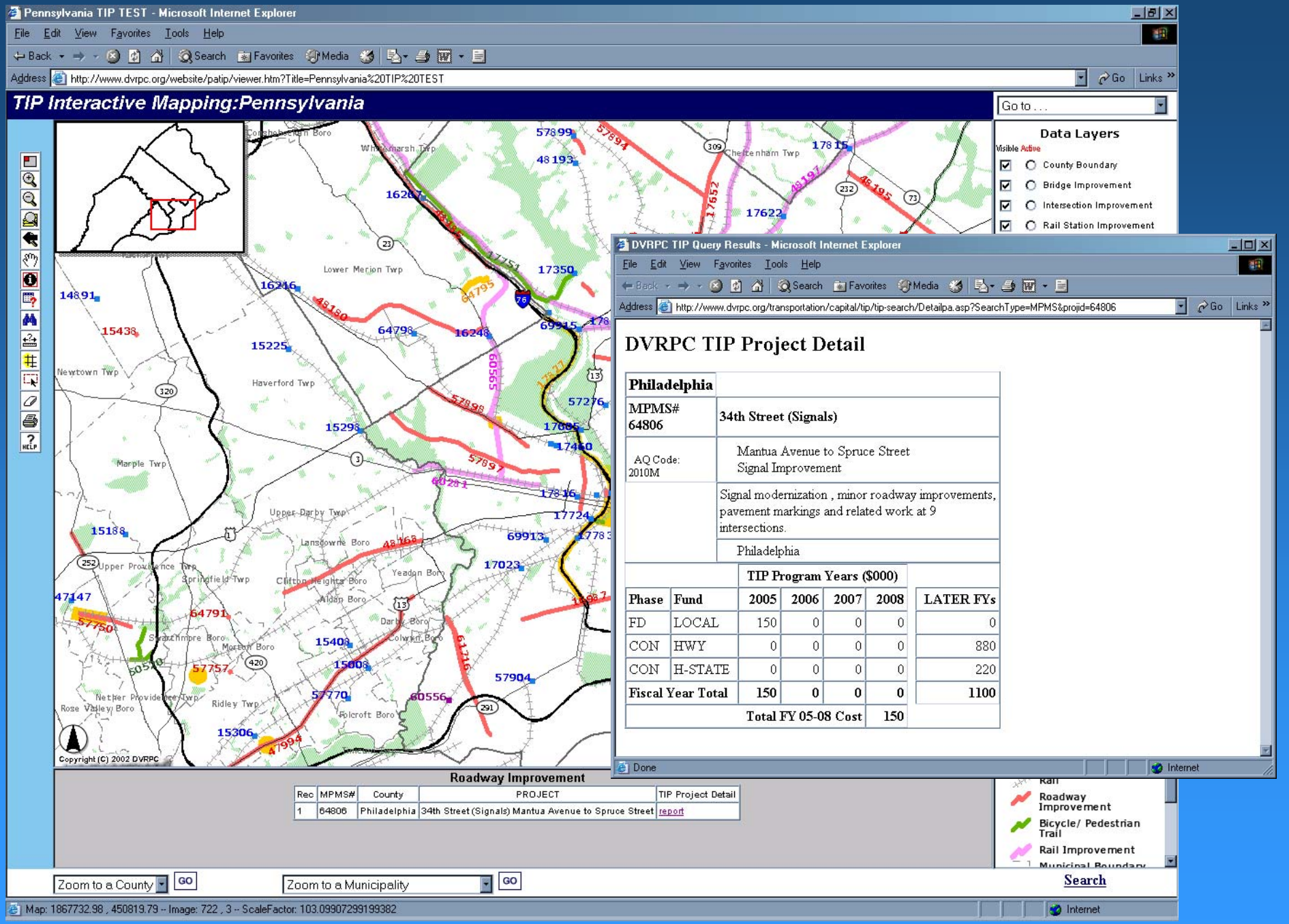


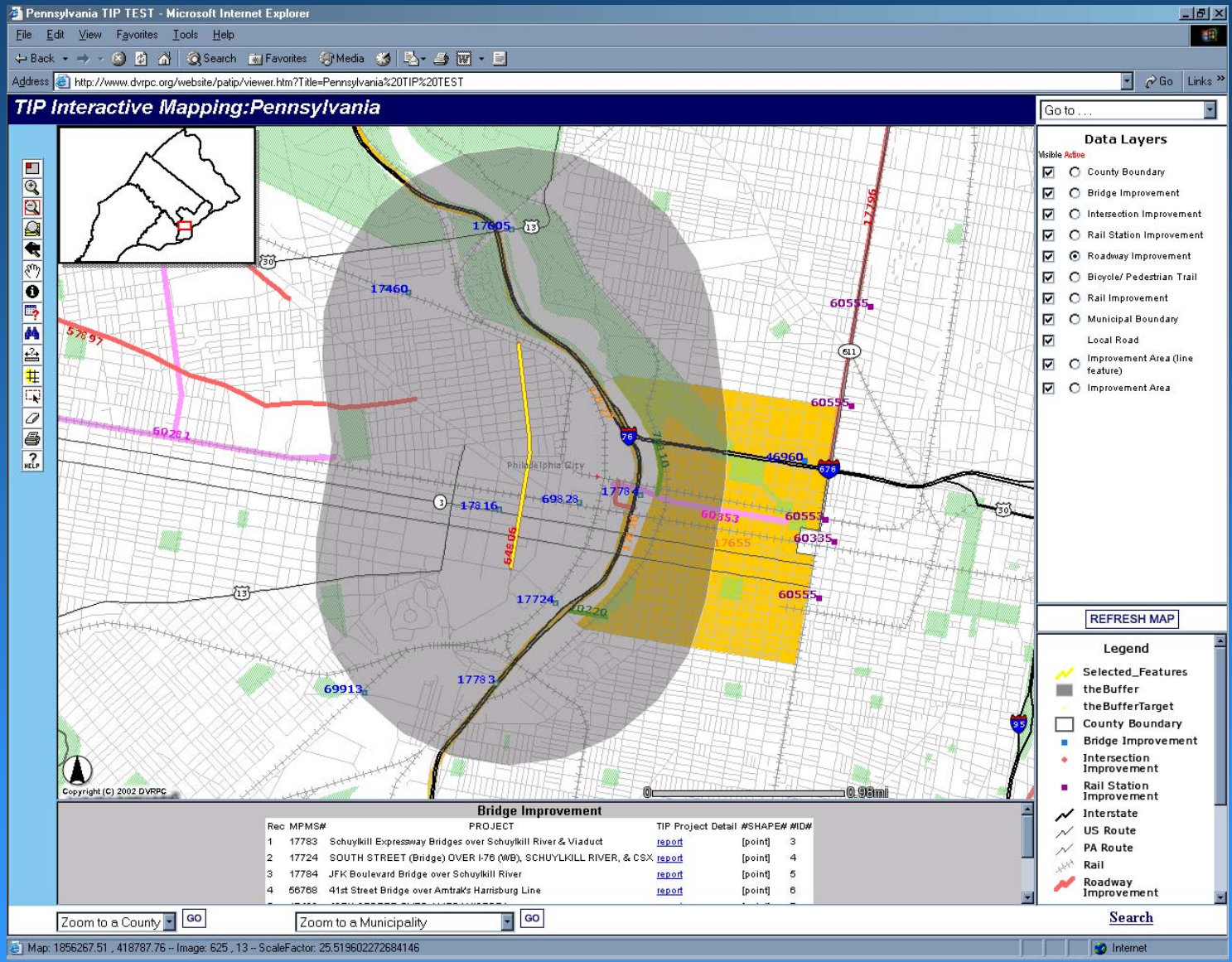
Chester County

0 2 4 6 Miles

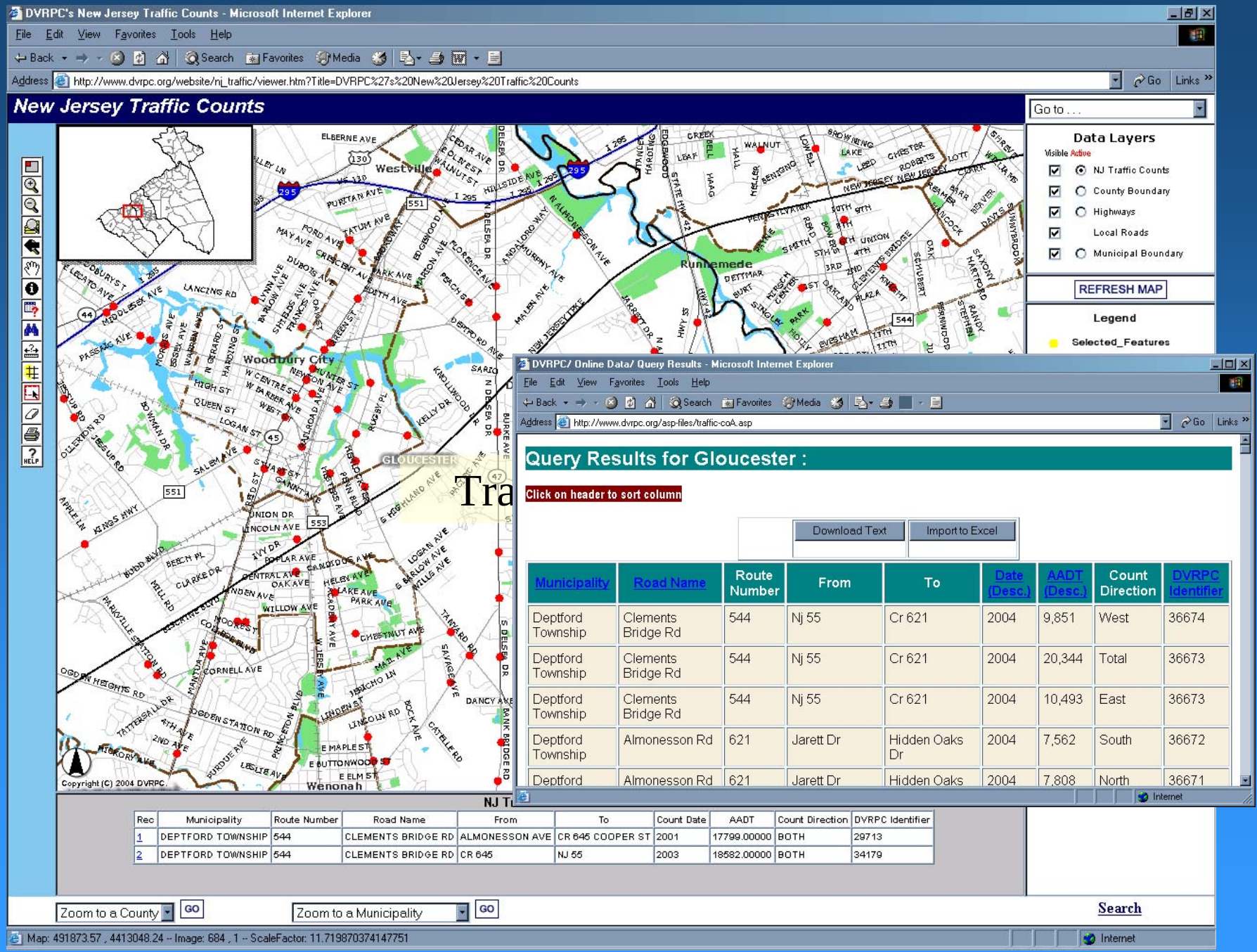
Delaware Valley Regional Planning Commission
October 2004

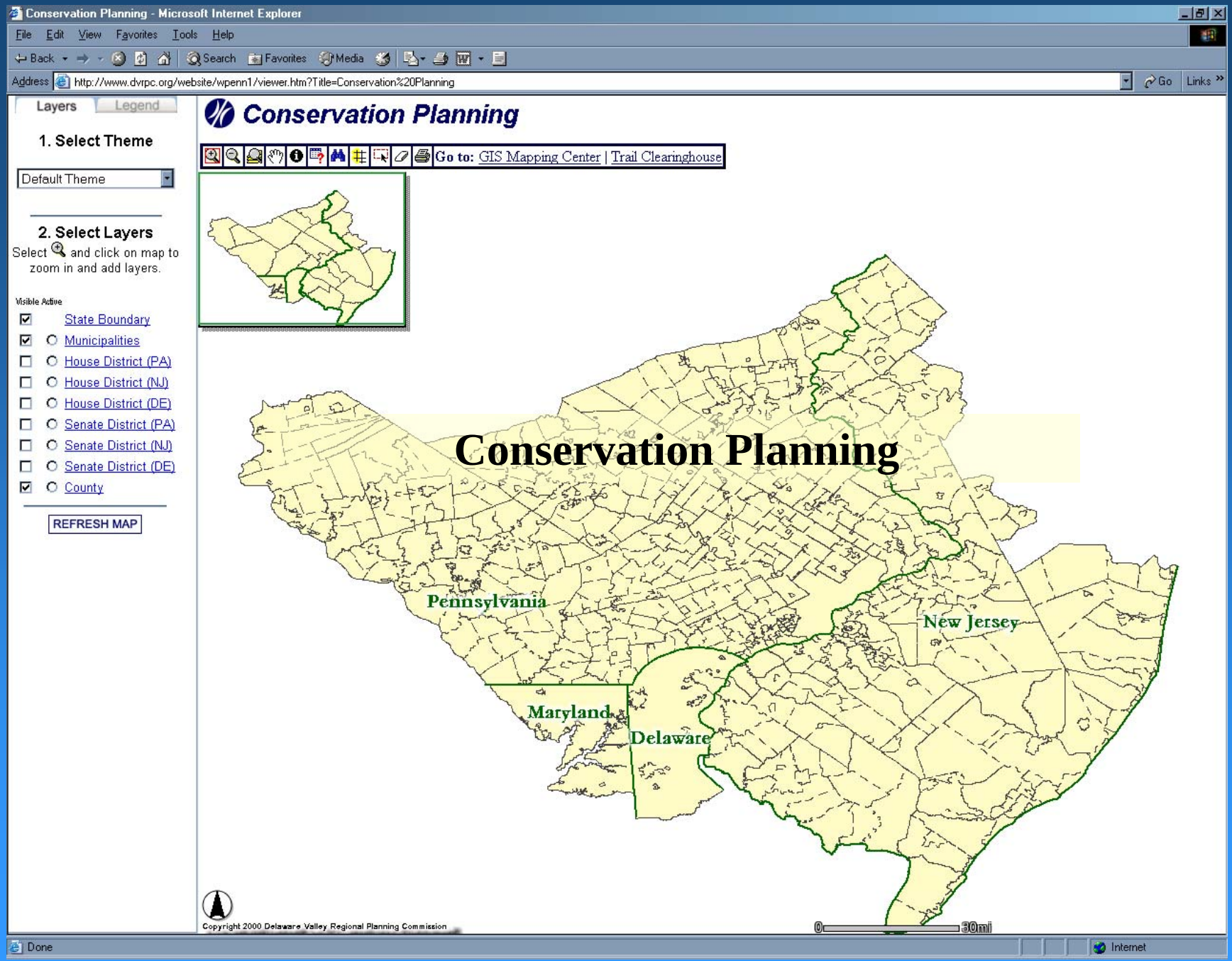

Pennsylvania TIP TEST - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/patip/viewer.htm?Title=Pennsylvania%20TIP%20TEST
Go Links
Discuss
TIP Interactive Mapping:Pennsylvania
Go to . . .
Data Layers
Visible Active
County Boundary
Bridge Improvement
Intersection Improvement
Rail Station Improvement
Roadway Improvement
Bicycle/ Pedestrian Trail
Rail Improvement
Municipal Boundary
Improvement Area (line feature)
Improvement Area
TIP Interactive Mapping
Copyright (C) 2002 DVRPC
0 15mi
REFRESH MAP
Legend
County Boundary
Bridge Improvement
Intersection Improvement
Rail Station Improvement
Interstate
US Route
PA Route
Rail
Roadway Improvement
Bicycle/ Pedestrian
Zoom to a County
GO
Zoom to a Municipality
GO
Search
Internet

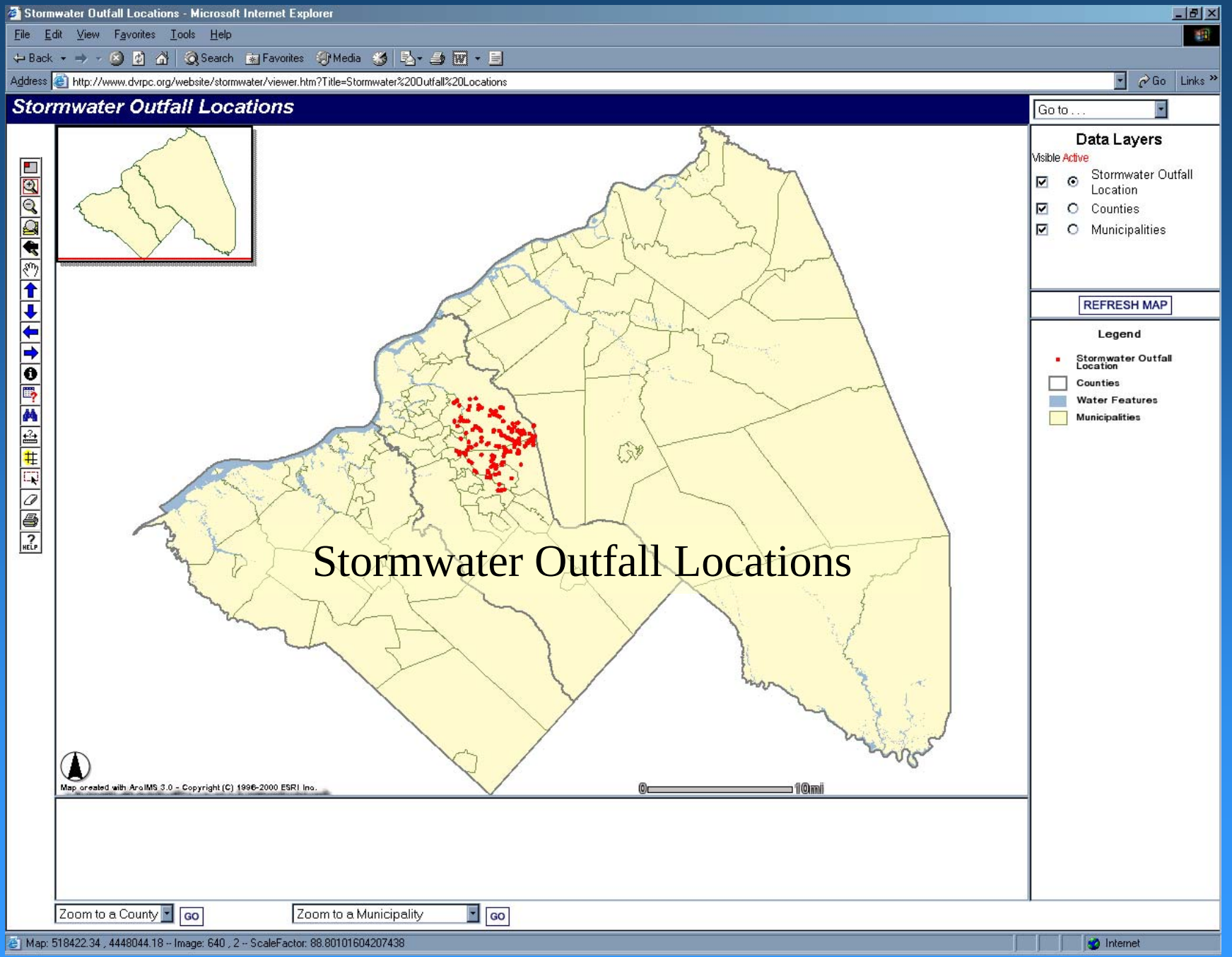

Pennsylvania TIP TEST - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/patip/viewer.htm?Title=Pennsylvania%20TIP%20TEST
Go Links
TIP Interactive Mapping:Pennsylvania
Go to . . .
Data Layers
Visible Active
County Boundary
Bridge Improvement
Intersection Improvement
Rail Station Improvement
Whitemarsh Twp
Cheltenham Twp
Lower Merion Twp
Newtown Twp
Haverford Twp
Marple Twp
Upper Darby Twp
Lansdowne Boro
Upper Providence Twp
Springfield Twp
Clifton Heights Boro
Yeadon Boro
Aldan Boro
Darby Boro
Colwyn Boro
Norwood Boro
Nether Providence Twp
Ridley Twp
Folcroft Boro
Rose Valley Boro
Copyright (C) 2002 DVRPC
Roadway Improvement
Rec MPMS# County PROJECT TIP Project Detail
1 64806 Philadelphia 34th Street (Signals) Mantua Avenue to Spruce Street report
Zoom to a County GO
Zoom to a Municipality GO
Search
Map: 1867732.98 , 450819.79 -- Image: 722 , 3 -- ScaleFactor: 103.09907299199382
Internet
DVRPC TIP Query Results - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/transportation/capital/tip/tip-search/Detailpa.asp?SearchType=MPMS&projid=64806
Go Links
DVRPC TIP Project Detail
Philadelphia
MPMS# 64806
34th Street (Signals)
AQ Code: 2010M
Mantua Avenue to Spruce Street
Signal Improvement
Signal modernization , minor roadway improvements, pavement markings and related work at 9 intersections.
Philadelphia
TIP Program Years ($000)
Phase Fund 2005 2006 2007 2008 LATER FYs
FD LOCAL 150 0 0 0 0
CON HWY 0 0 0 0 880
CON H-STATE 0 0 0 0 220
Fiscal Year Total 150 0 0 0 1100
Total FY 05-08 Cost 150
Done
Internet

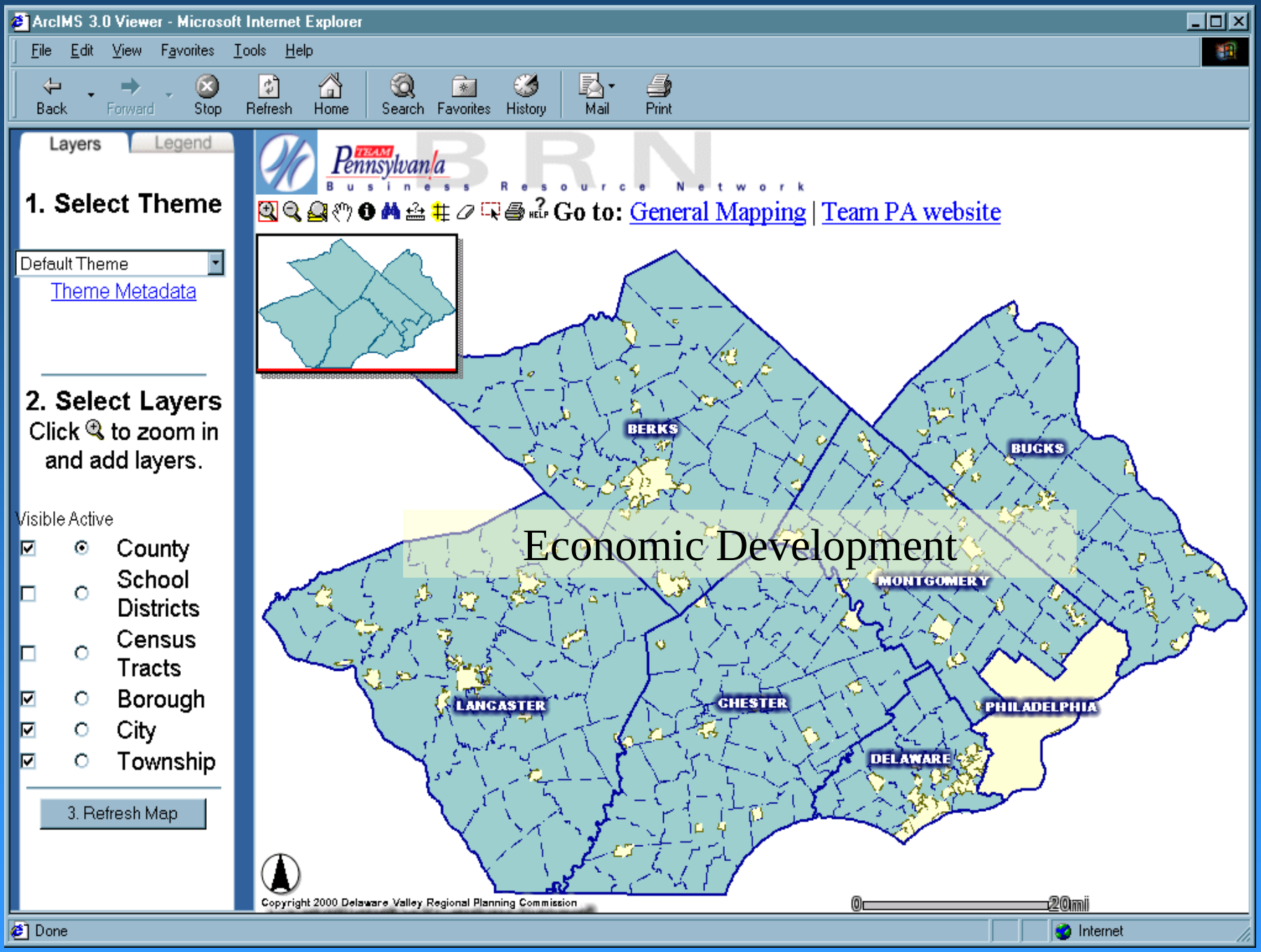

Pennsylvania TIP TEST - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/patip/viewer.htm?Title=Pennsylvania%20TIP%20TEST
Go Links
TIP Interactive Mapping:Pennsylvania
Go to . . .
Data Layers
Visible Active
County Boundary
Bridge Improvement
Intersection Improvement
Rail Station Improvement
Roadway Improvement
Bicycle/ Pedestrian Trail
Rail Improvement
Municipal Boundary
Local Road
Improvement Area (line feature)
Improvement Area
REFRESH MAP
Legend
Selected_Features
theBuffer
theBufferTarget
County Boundary
Bridge Improvement
Intersection Improvement
Rail Station Improvement
Interstate
US Route
PA Route
Rail
Roadway Improvement
Philadelphia City
Copyright (C) 2002 DVRPC
0 0.98mi
Bridge Improvement
Rec MPMS# PROJECT TIP Project Detail #SHAPE# #ID#
1 17783 Schuylkill Expressway Bridges over Schuylkill River & Viaduct report [point] 3
2 17724 SOUTH STREET (Bridge) OVER I-76 (WB), SCHUYLKILL RIVER, & CSX report [point] 4
3 17784 JFK Boulevard Bridge over Schuylkill River report [point] 5
4 56768 41st Street Bridge over Amtrak's Harrisburg Line report [point] 6
Zoom to a County GO
Zoom to a Municipality GO
Search
Map: 1856267.51 , 418787.76 -- Image: 625 , 13 -- ScaleFactor: 25.51960227268414
Internet

BUFFER


DVRPC's New Jersey Traffic Counts - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.dvrpc.org/website/nj_traffic/viewer.htm?Title=DVRPC%27s%20New%20Jersey%20Traffic%20Counts
New Jersey Traffic Counts
Go to . . .
Data Layers
Visible Active
NJ Traffic Counts
County Boundary
Highways
Local Roads
Municipal Boundary
REFRESH MAP
Legend
Selected_Features
Westville
Runnemede
Woodbury City
GLOUCESTER
Wenonah
Copyright (C) 2004 DVRPC
DVRPC/ Online Data/ Query Results - Microsoft Internet Explorer
Address http://www.dvrpc.org/asp-files/traffic-coA.asp
Query Results for Gloucester :
Click on header to sort column
Download Text
Import to Excel
Municipality | Road Name | Route Number | From | To | Date (Desc.) | AADT (Desc.) | Count Direction | DVRPC Identifier
Deptford Township | Clements Bridge Rd | 544 | Nj 55 | Cr 621 | 2004 | 9,851 | West | 36674
Deptford Township | Clements Bridge Rd | 544 | Nj 55 | Cr 621 | 2004 | 20,344 | Total | 36673
Deptford Township | Clements Bridge Rd | 544 | Nj 55 | Cr 621 | 2004 | 10,493 | East | 36673
Deptford Township | Almonesson Rd | 621 | Jarett Dr | Hidden Oaks Dr | 2004 | 7,562 | South | 36672
Deptford | Almonesson Rd | 621 | Jarett Dr | Hidden Oaks | 2004 | 7,808 | North | 36671
Rec | Municipality | Route Number | Road Name | From | To | Count Date | AADT | Count Direction | DVRPC Identifier
1 | DEPTFORD TOWNSHIP | 544 | CLEMENTS BRIDGE RD | ALMONESSON AVE | CR 645 COOPER ST | 2001 | 17799.00000 | BOTH | 29713
2 | DEPTFORD TOWNSHIP | 544 | CLEMENTS BRIDGE RD | CR 645 | NJ 55 | 2003 | 18582.00000 | BOTH | 34179
Zoom to a County
GO
Zoom to a Municipality
GO
Search
Map: 491873.57 , 4413048.24 -- Image: 684 , 1 -- ScaleFactor: 11.719870374147751
Internet


Conservation Planning - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/wpenn1/viewer.htm?Title=Conservation%20Planning
Go Links
Layers
Legend
1. Select Theme
Default Theme
2. Select Layers
Select and click on map to zoom in and add layers.
Visible Active
State Boundary
Municipalities
House District (PA)
House District (NJ)
House District (DE)
Senate District (PA)
Senate District (NJ)
Senate District (DE)
County
REFRESH MAP
Conservation Planning
Go to: GIS Mapping Center | Trail Clearinghouse
Conservation Planning
Pennsylvania
New Jersey
Maryland
Delaware
Copyright 2000 Delaware Valley Regional Planning Commission
0
30mi
Done
Internet


Stormwater Outfall Locations - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://www.dvrpc.org/website/stormwater/viewer.htm?Title=Stormwater%20Outfall%20Locations
Go Links
Stormwater Outfall Locations
Go to . . .
Data Layers
Visible Active
Stormwater Outfall Location
Counties
Municipalities
REFRESH MAP
Legend
Stormwater Outfall Location
Counties
Water Features
Municipalities
Stormwater Outfall Locations
Map created with ArcIMS 3.0 - Copyright (C) 1996-2000 ESRI Inc.
0 10mi
Zoom to a County
GO
Zoom to a Municipality
GO
Map: 518422.34 , 4448044.18 -- Image: 640 , 2 -- ScaleFactor: 88.80101604207438
Internet


ArcIMS 3.0 Viewer - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print
Layers
Legend
1. Select Theme
Default Theme
Theme Metadata
2. Select Layers
Click to zoom in and add layers.
Visible Active
County
School Districts
Census Tracts
Borough
City
Township
3. Refresh Map
Team Pennsylvania
Business Resource Network
Go to: General Mapping | Team PA website
BERKS
BUCKS
MONTGOMERY
LANCASTER
CHESTER
PHILADELPHIA
DELAWARE
Economic Development
Copyright 2000 Delaware Valley Regional Planning Commission
0
20mi
Done
Internet

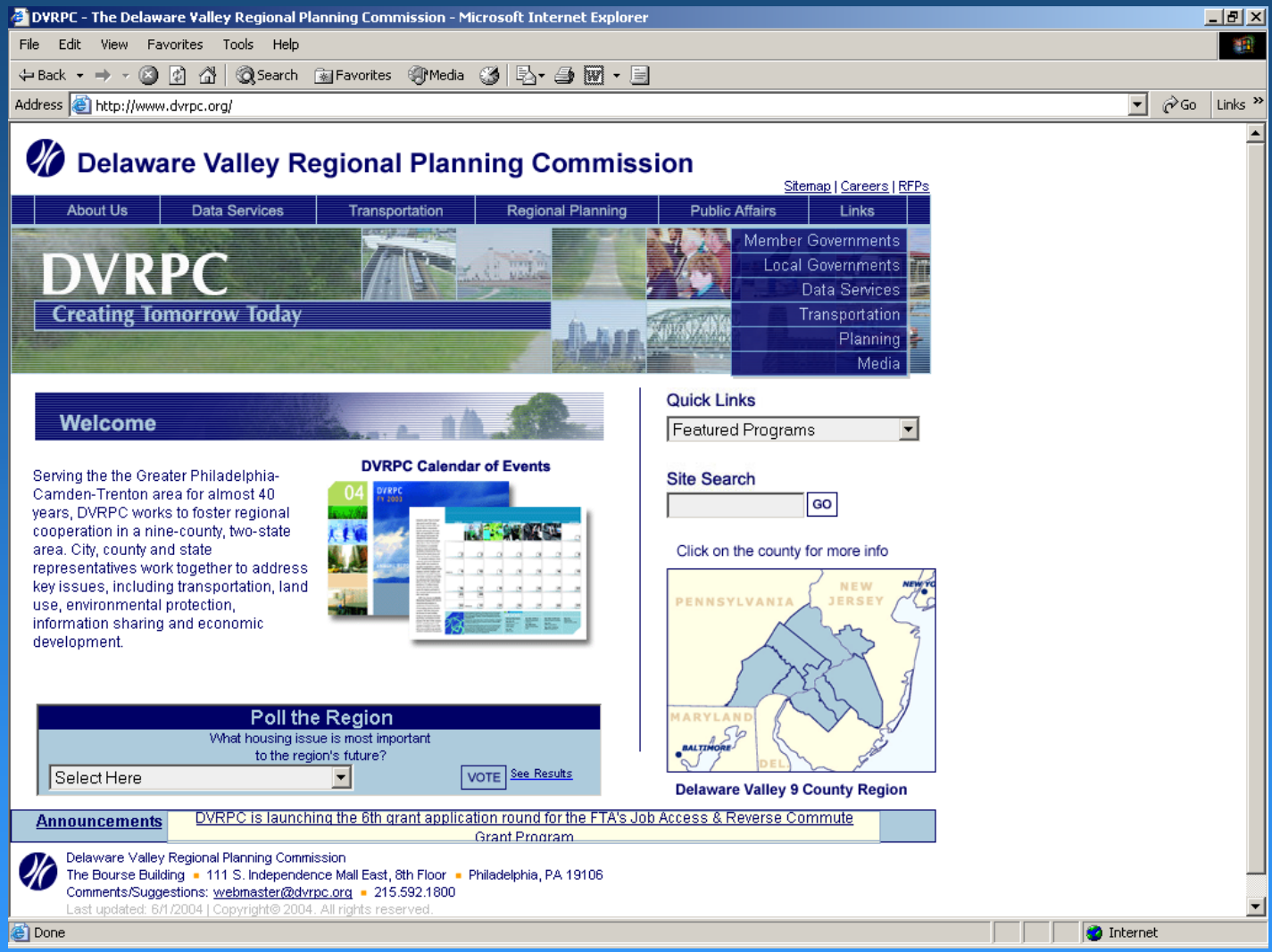
Future Applications

- 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