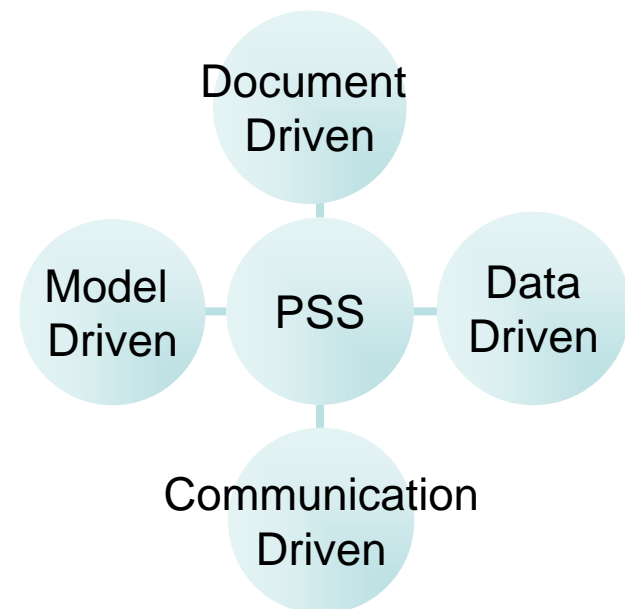


**MVRPC Regional GIS Initiative**  
*GIS Online Planning Support System Application*

**Board of Directors**  
**May 3, 2007**

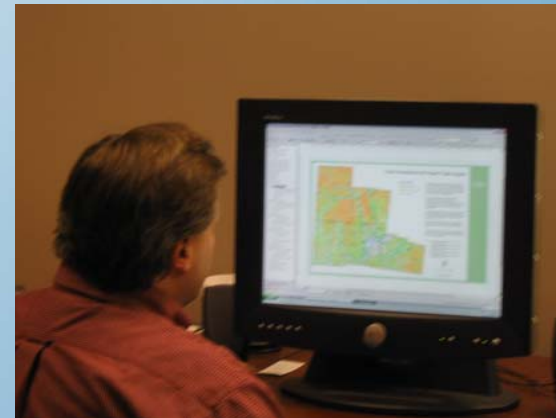
# Planning Support System

- ❑ Sub-class of Decision Support System (DSS) serving a special purpose of assisting planning professionals to provide rationale for a better decision making process through computerized systems
  - Providing necessary support to systematically analyze the information
  - Finding and formulating the alternative options, policies, scenarios, and plans
  - Assessing and evaluating impacts
  - Selecting and recommending a proper solution

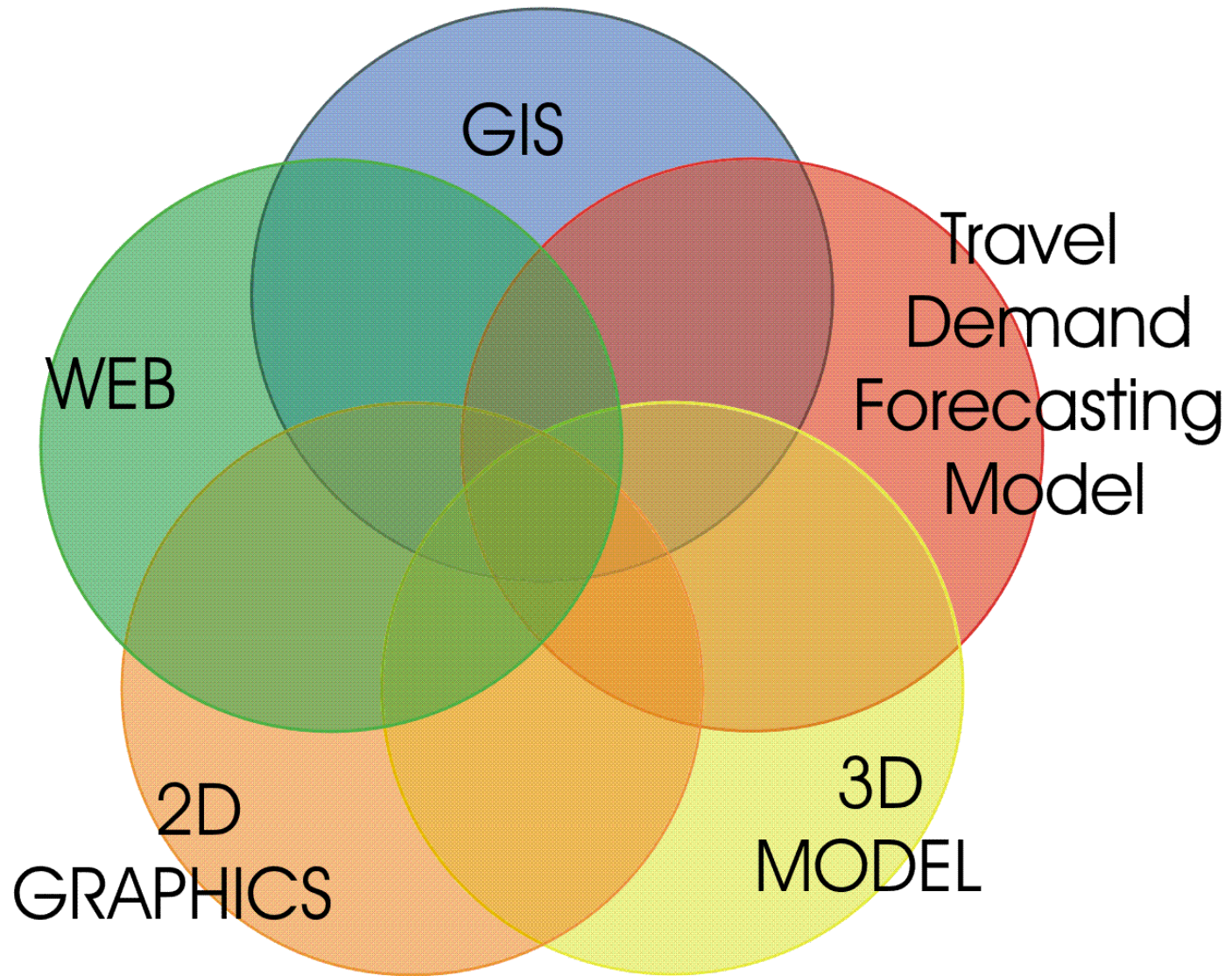


# MVRPC Planning Support System

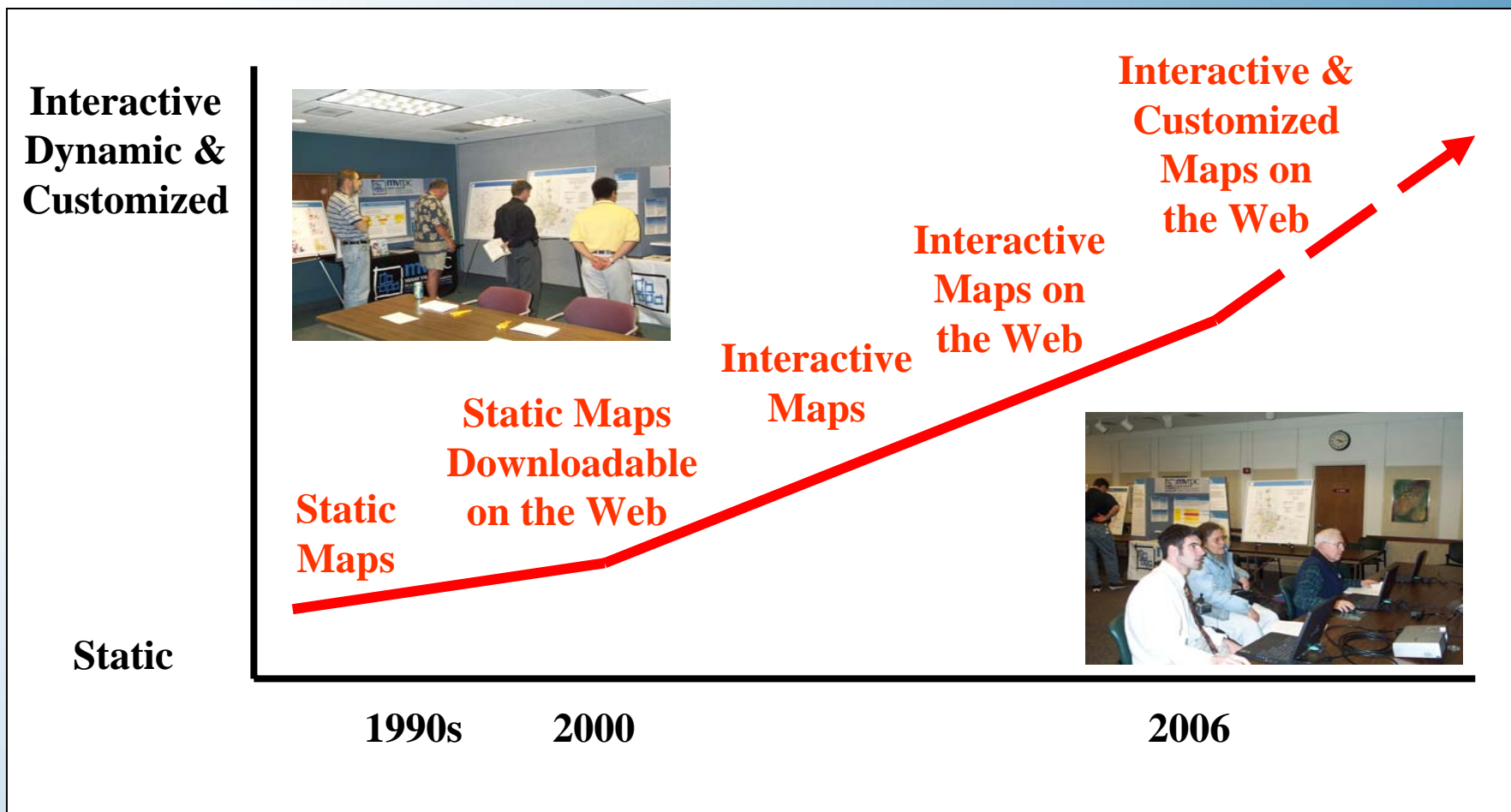
- ❑ MVRPC has been increasing the use and enhancement of the Planning Support System over the years in the planning process to:
  - Facilitate better decision making
  - Share planning related information
  - Expand the public participation at the Regional level



# MVRPC Planning Support System Components



# Evolution of MVRPC PSS Application



# Regional GIS Initiative

- ❑ GIS at the regional level through collaboration
  - Share GIS data commonly referred to as geospatial data
    - Provide data repository
    - Identify and develop a regional dataset – unified data standards and policies
- ❑ Benefits by sharing data - Investments made by one entity may be utilized by other entities
  - Data itself
  - Data development process
- ❑ Examples of benefits
  - Reduced data development and acquisition cost
  - Improved data quality
  - Promote best practices
  - Foster broad interagency cooperation

# Regional Enterprise System Development

- ❑ Project Scope
  - Design and implement the comprehensive enterprise GIS architecture for centralized database management and community-wide regional GIS
  - Geodatabase design and migration of core datasets
  - **Develop an web-based communication application**
- ❑ Public and Private Partnership
  - MVRPC and Woolpert, Inc
- ❑ Project Timeline
  - Began in winter of 2006 and completed in March 2007

# GIS Online Planning Support System

- ❑ Service-oriented web-based mapping application
  - Interactive data visualization tool
  - Provide user-friendly application providing data access, data retrieval, and data display functions
  
- ❑ Launched in March 2007
  - Boundary – Political jurisdiction boundary
  - Census – Census Block, Block Group, Tracts and Urban Area Boundaries
  - Environment – Wastewater facility planning areas and Watershed boundaries
  - Land Fabric – Open Space and Future Land Use Plans
  - Transportation – Bikeways, Traffic Analysis Zones, Roads, and the FHWA Federal-Aid Urbanized Area boundary

## GIS Online Planning Support System

*Interactive Planning Atlas*

Map Your Region and Discover  
Dynamic Land Information



<http://maps.mvrpc.org/regis/>



## Welcome to Miami Valley Regional Planning Commission Online

The Miami Valley Regional Planning Commission (MVRPC) is a voluntary association of numerous local governments and non-governmental organizations surrounding Dayton, Ohio. These organizations use MVRPC as a forum and resource where regional partners identify priorities, develop public policy and implement collaborative strategies to improve the quality of life and economic vitality throughout the Miami Valley.

### [Regional Issues Forum - Exploring Alternative Transportation](#)

April 02, 2007

Regional Issues Forum to feature Chris Balish, author of the book "How to Live Well Without Owning a Car" and Charles Gandy, a national livable communities expert on Monday, April 30, 2007, at Sinclair Community College.

[Read More ...](#)

[Read other Environment news](#)

### [Final Draft SFY08-11 TIP Available](#)

March 26, 2007

TAKE OUR SURVEY ABOUT GETTING AROUND DAYTON

RIDE\$HARE

It can really take you places!

Miami Valley Air

Your Regional source for Air Quality information

GIS Online Planning Support System

Interactive Planning Atlas

Web-TELUS

the transportation project management system

Miami Valley Bikeways Plan

see where we're headed

search here

Search

MVRPC

All of Web

02 April 2007

Regional Issues Forum - Exploring Alternative Transportation

26 March 2007

Final Draft SFY08-11 TIP Available

### Events

19 Apr 2007

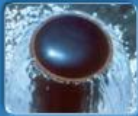
Technical Advisory Committee (TAC)

25 Apr 2007

Areawide Facility Planning Subcommittee

27 Apr 2007

MGCLERC



### NAVIGATION TOOLS

- Show/Hide Overview
- Zoom In
- Zoom Out
- Zoom to Full Extent
- Move Map

### QUERY/SELECTION TOOLS

- Identify Feature
- Query Active Layer
- Measure on Map
- Select by Rectangle
- Select by Line/Shape
- Clear Selection

### PRINT/HELP TOOLS

- Print Preview
- Show Help



Map created by MVRPC - Copyright (C) 2007

Active Tool: ZOOM IN

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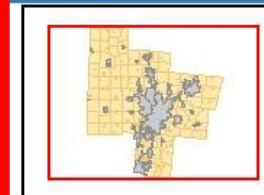
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## GIS Online Planning Support System

MIAMI VALLEY REGIONAL PLANNING COMMISSION  
One Dayton Centre, One South Main Street, Suite 260, Dayton, OH 45402



### LAYERS

- Boundary
- Jurisdiction Boundaries
  - County
  - City
  - Township
- Jurisdiction Areas
- Census
- Environmental
- Land Fabric
- Transportation

Refresh Map

Auto Refresh

### Help

- A closed group.
  - An open group.
  - Click to toggle legend view.
  - A hidden group/layer.
  - A visible group/layer.
  - A visible layer, but not at this scale.
  - A partially visible group.
- The Active Layer.

Active Layer: JURISDICTION BOUNDARIES



# GIS Online Planning Support System

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## NAVIGATION TOOLS

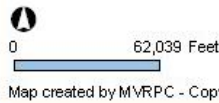
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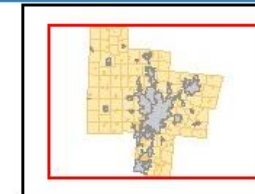
- Print Preview
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Map created by MVRPC - Copy

Active Tool: ZOOM IN

- Census
  - Census Blocks
  - Census Block Groups
  - Census Tracts
  - Census Urbanized Boundaries
    - Urban Cluster
    - Urbanized Area
- Environmental
- Watersheds
- FPA
- Land Fabric
- Regional Open Space
  - Open Space/Recreation
  - Open Space Links
  - Schools
  - Utilities
  - Landfills/Mineral Extraction
  - Cemeteries
  - Airfields
- Adopted Land Use Plans
  - Agricultural
  - Commercial; Mixed
  - Public / Institutional
  - Industrial
  - Municipal
  - Open Space/Recreation
  - Residential
- Transportation
  - Transportation Urban Boundaries
  - Bikeways
    - Local
    - Regional
  - Streets
    - Local Network
    - Regional Network
  - TAZ boundaries



## LAYERS

- Boundary
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- Land Fabric
- Transportation

Refresh Map

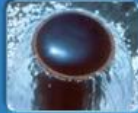
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One Dayton Centre, One South Main Street, Suite 260, Dayton, OH 45402

### NAVIGATION TOOLS

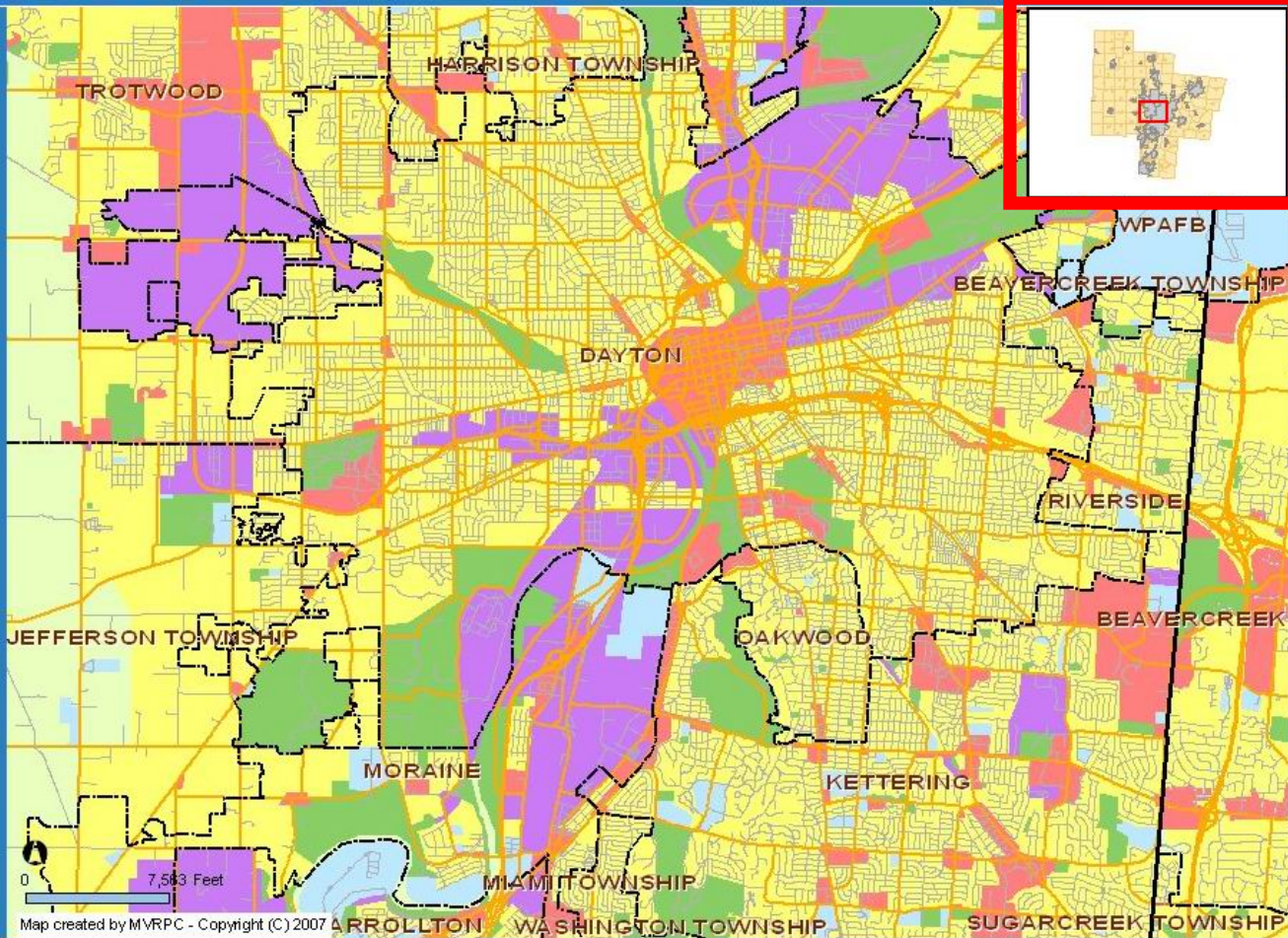
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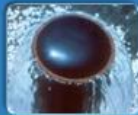
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  - Industrial
  - Municipal
  - Open Space/Recrea
  - Residential
- Transportation
  - Transportation Urban Bound
  - Bikeways
    - Local

Map created by MVRPC - Copyright (C) 2007

Active Tool: ZOOM IN

Active Layer: JURISDICTION BOUNDARIES





# GIS Online Planning Support System

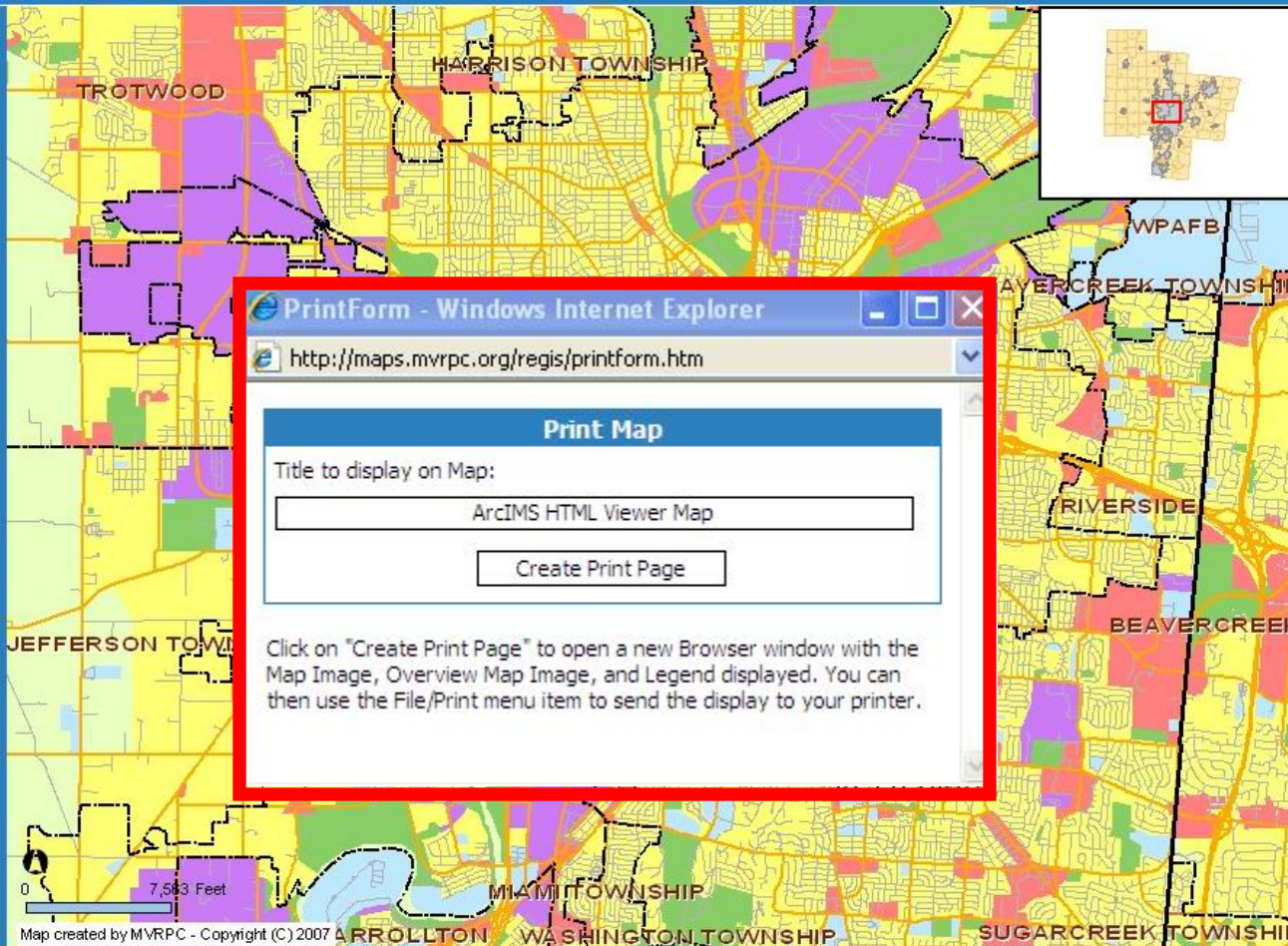
MIAMI VALLEY REGIONAL PLANNING COMMISSION  
One Dayton Centre, One South Main Street, Suite 260, Dayton, OH 45402

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    - Residential
- Transportation
  - Transportation Urban Bound
  - Bikeways
    - Local

PrintForm - Windows Internet Explorer

http://maps.mvrpc.org/regs/printform.htm

**Print Map**

Title to display on Map:

ArcIMS HTML Viewer Map

Create Print Page

Click on "Create Print Page" to open a new Browser window with the Map Image, Overview Map Image, and Legend displayed. You can then use the File/Print menu item to send the display to your printer.

Active Tool: ZOOM IN

Active Layer: JURISDICTION BOUNDARIES

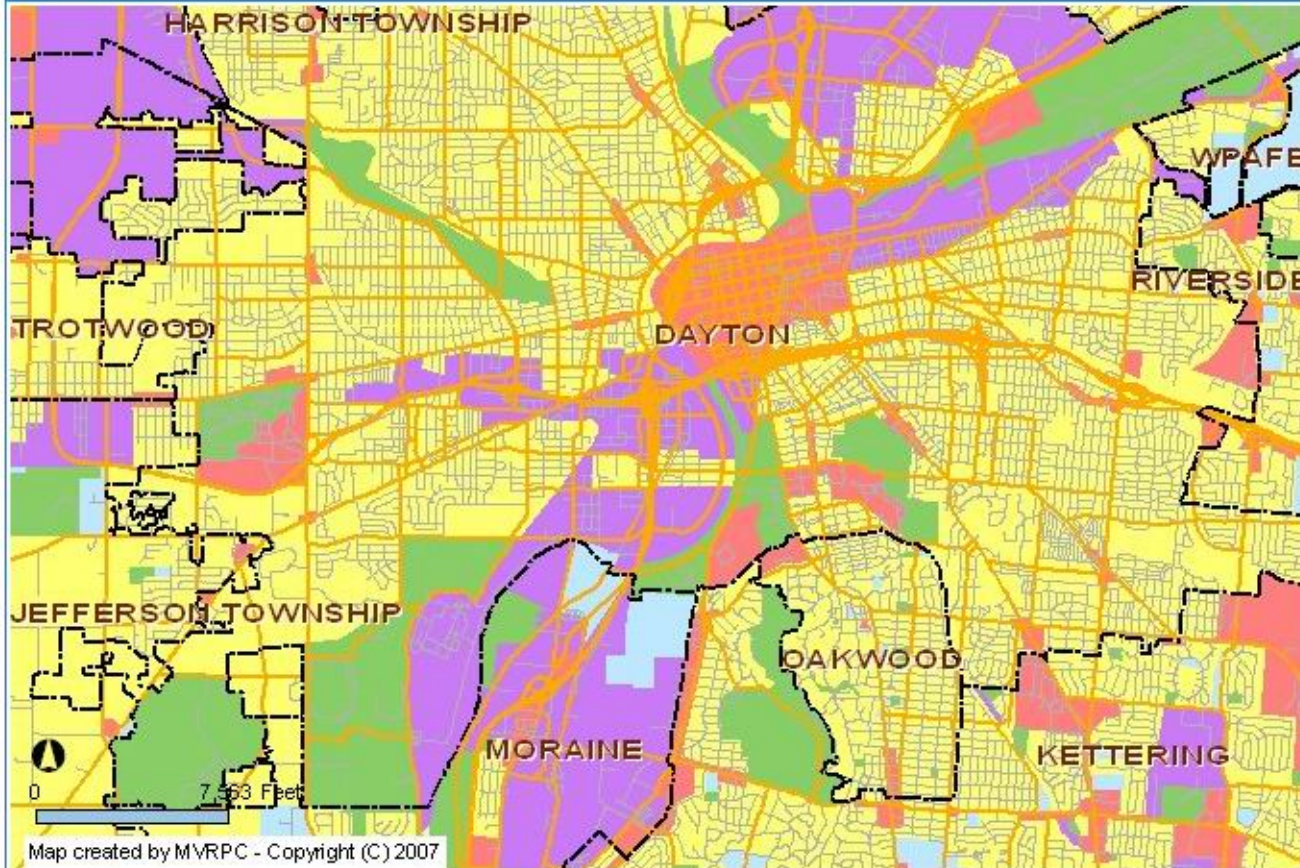




Martin's Map

# GIS Online Planning Support System

MIAMI VALLEY REGIONAL PLANNING COMMISSION  
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Map created by MVRPC - Copyright (C) 2007



Legend

## Jurisdiction Boundaries

- County
- City
- Township

## Streets

- Local Network
- Regional Network

## Adopted Land Use Plans

- Agricultural
- Commercial; Mixed
- Public / Institutional
- Industrial
- Municipal
- Open Space/Recreational
- Residential

# Future Enhancements

- ❑ Data Enhancement
  - Add new datasets - Existing Land Use, Zoning, Rivers, Aerial Photos, Etc
- ❑ System Enhancement
  - Data Delivery Extension
    - Provides data download option
  - Metadata Explorer Application
    - Data Search Engine that enable users to search various datasets
- ❑ Form Regional GIS workgroup
  - Develop data standards and policies

## For More Information

- ❑ GIS Project Management
  - Martin Kim, Director of Regional Planning at [mkim@mvrpc.org](mailto:mkim@mvrpc.org)
- ❑ GIS Data Request
  - Tom Harner, GIS Coordinator at [tharner@mvrpc.org](mailto:tharner@mvrpc.org)
- ❑ Spatial Data Analysis
  - Bethany Heim, GIS Specialist / Planner at [bheim@mvrpc.org](mailto:bheim@mvrpc.org)
- ❑ ArcIMS Application
  - Mike Lucas, ArcIMS Specialist at [mlucas@mvrpc.org](mailto:mlucas@mvrpc.org)
- ❑ Aerial Photo Request
  - Darrin Hall, Production Coordinator at [dhall@mvrpc.org](mailto:dhall@mvrpc.org)