

This is the inaugural issue of our quarterly newsletter. *The GIS Quarterly Legend* will focus on projects and activities of the last quarter as well as inform you on upcoming GIS events.

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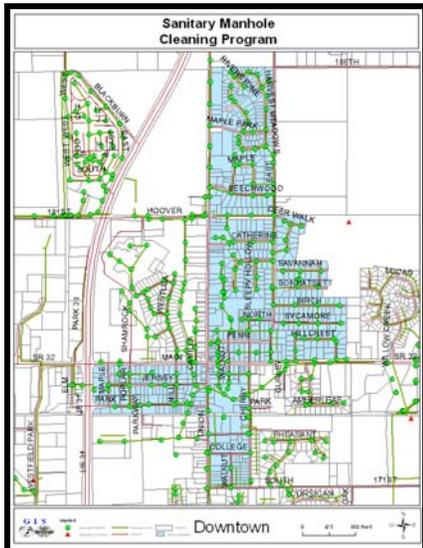
**THE WESTFIELD PUBLIC WORKS GIS DIVISION**

*The Westfield Public Works GIS Division consists of the following associates:*  
 Eric Becker – GIS Coordinator, Leane Welsh – GIS/GPS Technician,  
 Derek Todd – GIS/GPS Technician, Tim O'Leary – Locator Technician and  
 Paul Taylor – Contract Associate

July – September 2007

**GIS Mapping Projects**

- Sewer Pipe Cleaning Maps
  - GIS created a series of 13 maps to aid in the process of sewer line cleaning with the new Vac Truck. Started in June and will be ongoing.
- Developers' Breakfast
  - GIS created a series of 7 Maps for the event held at the Bridgewater Club on August 29, 2007.



**Becker's Letter To You**

Fellow GIS beings,

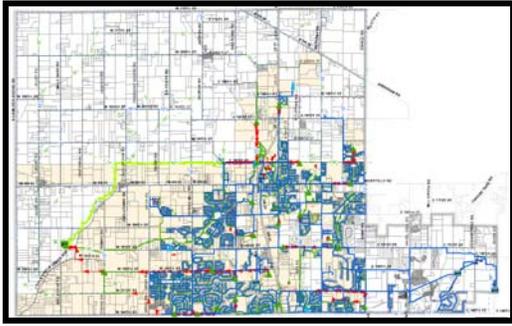
All of us in WPWD contribute to GIS in some manner. For that reason I want to express gratitude to the Town of Westfield and the Public Works Department for the support that they have given to GIS. That support has allowed us to grow from a single GIS laptop in a small office in the basement to a thriving division with the latest that technology can offer.

Geography Awareness Week is November 11- 17. I hope you enjoy the *GIS Legend*. Let us know what you think and what you might like to see in it. After all you make it possible.

See ya' next time.

Have a great GIS Day on Wed 11-14-07 and everyday!

Thank you,  
*Eric Becker*



## Available GIS Data

The following are some of the layers that are available for use in the GIS

### WPWD Maintained      Westfield Maintained

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Address Points</li> <li>• Council Districts</li> <li>• Easements</li> <li>• Fire Map Book Data</li> <li>• GPS Data</li> <li>• Parks &amp; Trails</li> <li>• Police Beats</li> <li>• Sanitary and Storm Lines &amp; Structures</li> <li>• Street Lines</li> <li>• Water System Hydrants, Valves, Lines</li> <li>• Westfield Facilities</li> <li>• Voting Locations</li> </ul> | <ul style="list-style-type: none"> <li>• Land Use</li> <li>• Zoning</li> </ul> <p style="text-align: center;"><i>County Maintained</i></p> <ul style="list-style-type: none"> <li>• Building Footprints</li> <li>• Corporate Limits</li> <li>• Hydrology</li> <li>• Parcels</li> <li>• Regulated Drains</li> </ul> <p style="text-align: center;"><i>State Maintained</i></p> <ul style="list-style-type: none"> <li>• PLLS Grid</li> </ul> <p style="text-align: center;"><i>Other Data Available</i></p> <ul style="list-style-type: none"> <li>• Electric Poles</li> <li>• Fiber Optic Network</li> <li>• Gas Lines</li> </ul> |
|---|---|

## Daily GIS Operations Public Works Locating

Tim O'Leary

WPWD is responsible for field locating of the entire water and sanitary sewer infrastructure owned and maintained by WPWD. This responsibility is for all Indiana Underground Plant Protection Service (IUPPS) locate tickets that are called in for a location within the WPWD service area.



The GIS Division has established a Standard Operational Procedure (SOP) usage of digital technologies. This process uses emails processed into a customized GIS based application. Each ticket can be depicted in the map with an input information form which documents the actions taken on each ticket. Daily emergency tickets are also received via email.

The field locates are completed using a subsite – an electronic radio detector using a tracer signal where wires are wrapped around the mains. A Schonstedt medal detector is also used as needed. The locate tickets are required to be addressed and closed out within 2 working days of being called into IUPPS. Once the field locates are completed, they are valid for 21 days.

## GIS DEFINITION Geographic Information System

A system for capturing, storing, analyzing and managing data and associated attributes which are spatially referenced to the earth. In the strictest sense, it is a computer system capable of integrating, storing, editing, analyzing, sharing, and displaying geographically-referenced information. In a more generic sense, GIS is a tool that allows users to create interactive queries (user created searches), analyze the spatial information, edit data, maps, and present the results of all these operations. – Wikipedia

<http://en.wikipedia.org/wiki/GIS>

## GIS Community Outreach

- July - GIS Team helps Westfield Washington Schools  
*Director of Transportation update existing base data using WPWD GIS data for bus route mapping of new subdivisions.*
- August – Westfield Washington Historical Society and Museum –  
*Overlay 1866 Plat Map onto current GIS data.*
- September – GIS Department provides maps for the Town  
*of Westfield at the Viking Meadows Home-a-ramma.*

## GIS Web Links

TOWN OF WESTFIELD MAP IN .PDF FORMAT  
[http://www.westfield.in.gov/egov/docs/1190394514\\_662963.pdf](http://www.westfield.in.gov/egov/docs/1190394514_662963.pdf)  
INDIANA GEOGRAPHIC INFORMATION COUNCIL  
<http://www.in.gov/igic/>  
HAMILTON COUNTY ONLINE MAPROOM  
<http://www.co.hamilton.in.us/gis/framecounty.html>

## Upcoming GIS Events

- GIS Training conducted by Eric Becker
  - Tuesday 11-13-2007 PW Large Conference Room, 7:45 – 9:30
- National Geography Awareness Week is 11-11 through 11-17, 2007
- National GIS Day 11-14-2007-
  - WPWD GIS will give In School GIS presentations

## GIS Success Story

### GIS Web Server

The GIS Web Server began serving up GIS maps and data this past summer and provides interactive web mapping capabilities. Currently, there are five maps available for consumption:

1. [Town of Westfield](#)
2. [Washington Township Zoning](#)
3. [Parks and Trails](#)
4. [WPWD Utility Infrastructure](#)
5. [Project Tracking](#)

The GIS Server allows for data sets that are used in a map to be identified and queried without the need for a GIS software program. The datasets reside on the GIS server. As they are updated, the changes are reflected in the maps. The only software requirement is an Internet browser window.

You can access these maps and many more in the future at our Westfield GIS homepage <http://www.westfield.in.gov/gis> Here you can find the following link that can be activated with a simple click of the computer mouse  
 “[All Interactive GIS Web Maps.](#)”