



GIS in Local Government

(With Zany commentary - turn it up!)

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Richard J. Kotapish
GIS Director

WWW.LAKEGIS.ORG

Lake County's GIS Board

James R. Gills, P.E.
County Engineer

Edward H. Zupancic
County Auditor

Robert E. Aufuldish
Board of County Commissioners

Richard Kotapish
GIS Director



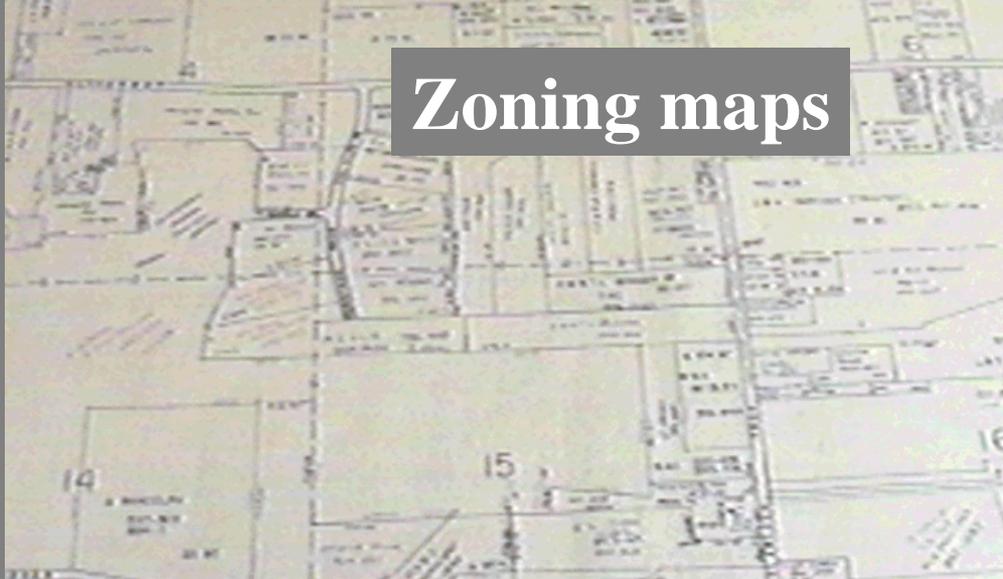
What Is GIS?

A Geographic Information System

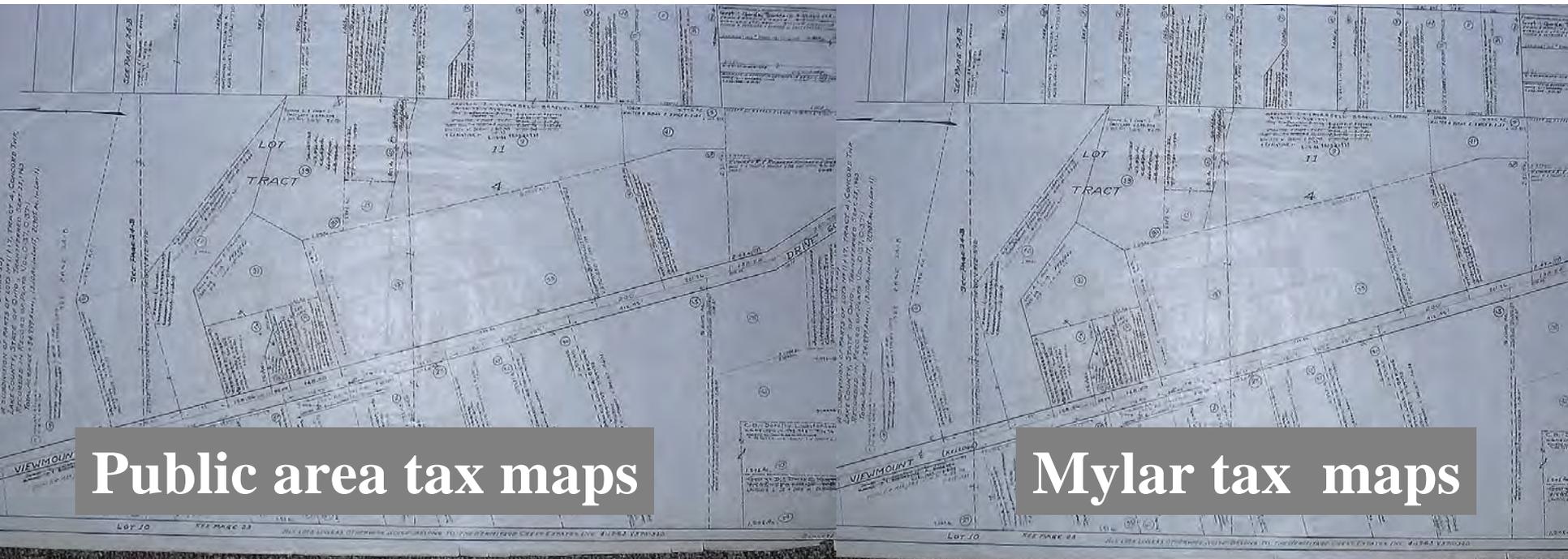
A system of computer hardware, software and programs which stores, analyzes and displays information about places on the earth's surface. More than 80% of information used by local governments is geographically referenced.

Emergency Response maps

Zoning maps



Before GIS, staff redundantly maintained maps

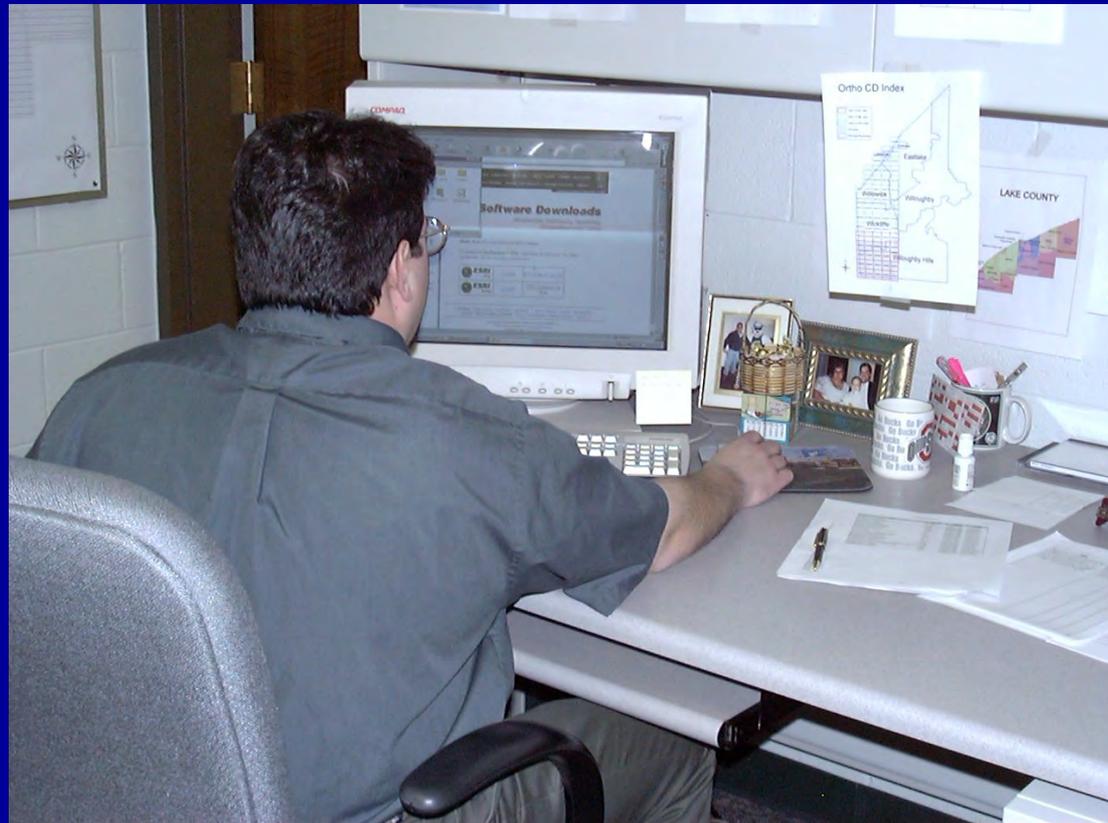


Public area tax maps

Mylar tax maps



**With GIS, one employee makes a change
and all have access immediately**



Manual Mapping Problems

Redundant update of map information

Poor accuracy of mylar tax maps

Existing maps at wide variety of scales

e.g. Soils maps at 1" = 1,320'

tax maps at 1" = 300', 100', 66' and 50'

Map sets covering different areas

Manual Mapping Problems

No continuous coordinate system

No addresses on tax maps

No drainage features on tax maps

Map maintenance to maps of different scales

No single source of tax information

Initial Base Map layers include:

Parcel lines: Parcel boundaries

Roadways: pavement edges & centerlines

Orthophotos: Distortion free aerial photos

2' contours: Elevation lines

Rivers, streams and lakes

Flood plains: 100 year flood plain (FEMA)

Building footprints

Initial Base Map layers include:

Subdivisions

Soils: Soil Survey Maps

Municipal, Township, County boundaries

Census tracts

Voting precincts & polling locations

Railroad ROW

Geodetic control: State plane, NAD '83



GIS MAPPING LAYERS

Planimetrics:

- AutoCAD
- Buildings
- Bridges
- Centerlines
- Contours – 2'
- Contours – 10'
- Obscured Areas
- Pavement Edge
- Railroads
- Spot Elevations
- Transmission Towers
- 2000 GPS Points
- 1991 Control Survey

Civil:

- Census Blocks/Tracts
- Daycare Centers
- Hotels
- Nursing Homes
- Schools
- TIGER Streets
- Zip Codes
- 2000 Voting Precincts

Natural Resources:

- Rivers & Streams
- Lakes
- Land Use
- Parks
- Open Space Inventory
- Wetlands (OMI)
- Watershed Boundaries
- Sub-Watersheds
- USGS Hydrography
- Flood Plains (FEMA)
- Soils

Cadastral:

- County Boundary
- City/Twp/Vlg Bound.
- Lot lines
- Municipal Boundary
- Old Parcel Lines
- Original Lot Lines
- Parcels (2001)
- Parcels w/Data
- Range Boundaries
- Right-of-Ways
- Subdivisions
- Township/Range Bound.
- Tract Boundaries

Real Estate:

- Auditors Real Estate File
- Mainfile/File Layout

Imagery:

- MrSid Black & White 6"
- MrSid Color 1'
- Black & White
- Color
- D.O.Q.Q. (1994)
- Spot Satellite (10M)
- SDE Orthophoto

Other Data:

- Abandoned Mines
- Aquifers
- Arc Explorer 3.1
- ArcReader
- Flood Hazard Area
- Flood Way
- Index Maps
- School Districts
- Tiles
- Zoning
- 100 Year Flood Area

Base Map Foundation

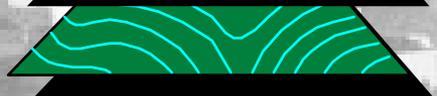
Property Parcels



Buildings



Topography



Road Centerlines



Taxing Jurisdictions

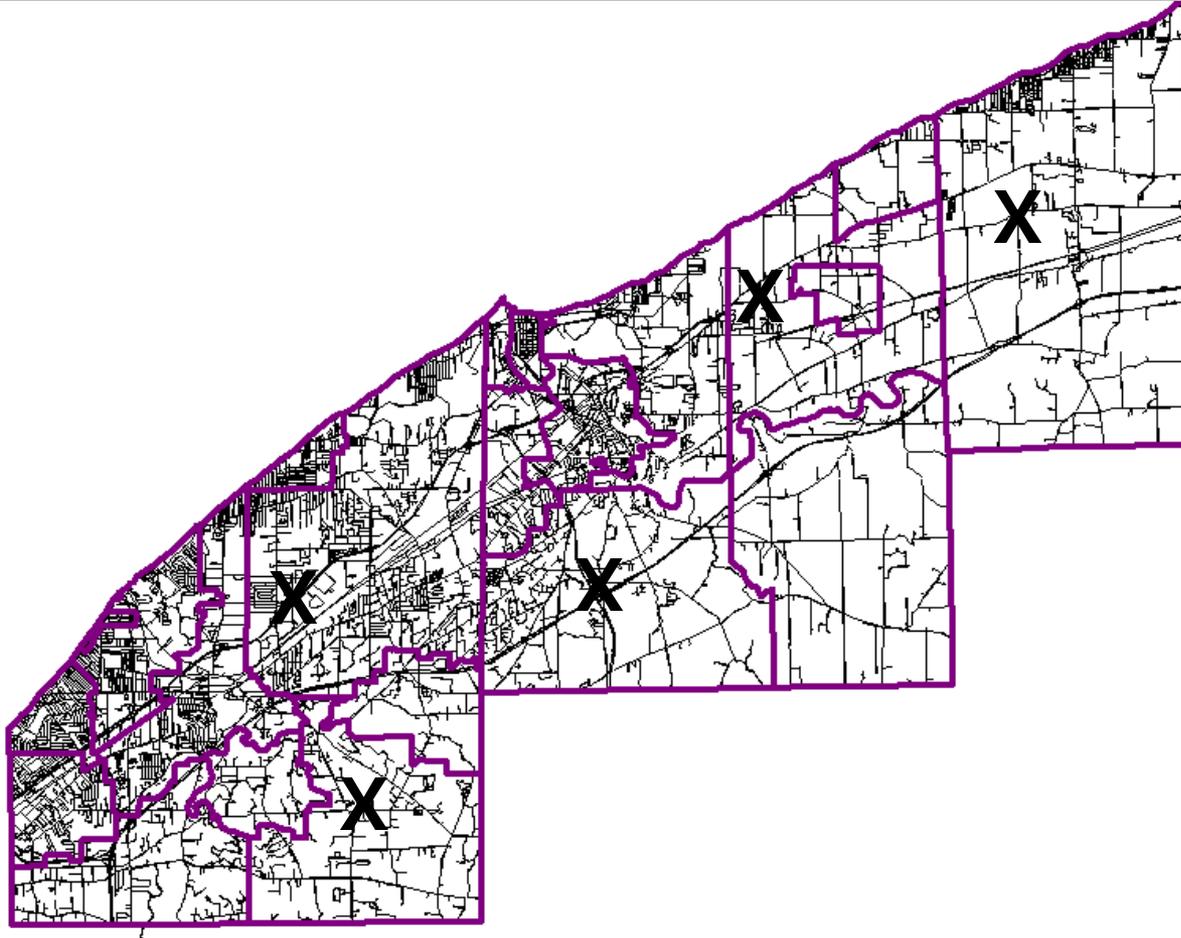


Survey control



Digital Aerial Photos
or “Orthophotos”

Use Geodetic Control



Global Positioning System (GPS)

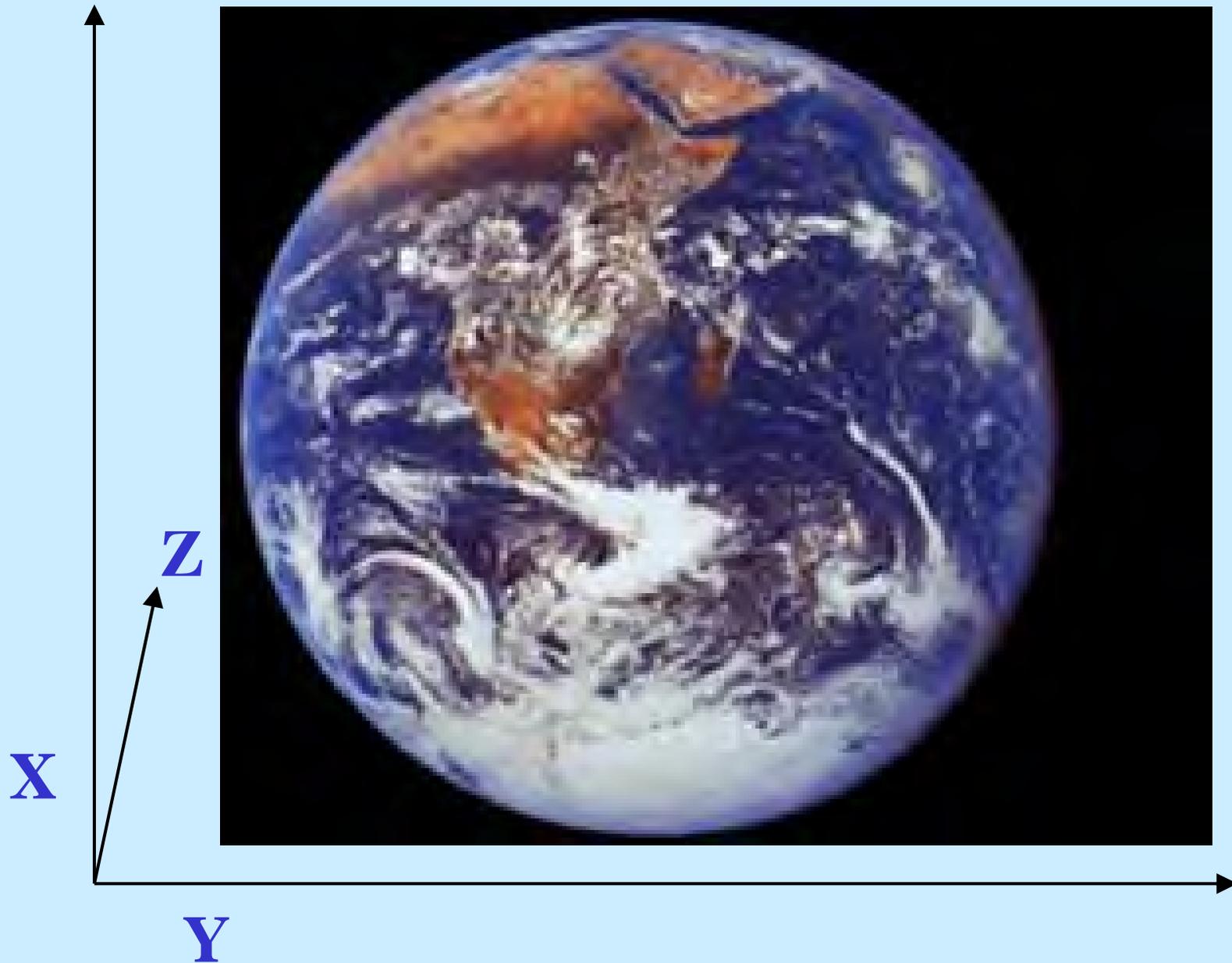
A large, gold-colored satellite dish antenna is the central focus, mounted on a complex metal lattice structure. The dish is illuminated from within, creating a bright, glowing effect. In the upper left corner, a red, circular object, resembling a moon or a planet, is visible against the dark background. The overall scene is set against a black background, emphasizing the metallic and glowing elements of the antenna.

GPS data for the X's you have seen
painted on various roads in Lake County

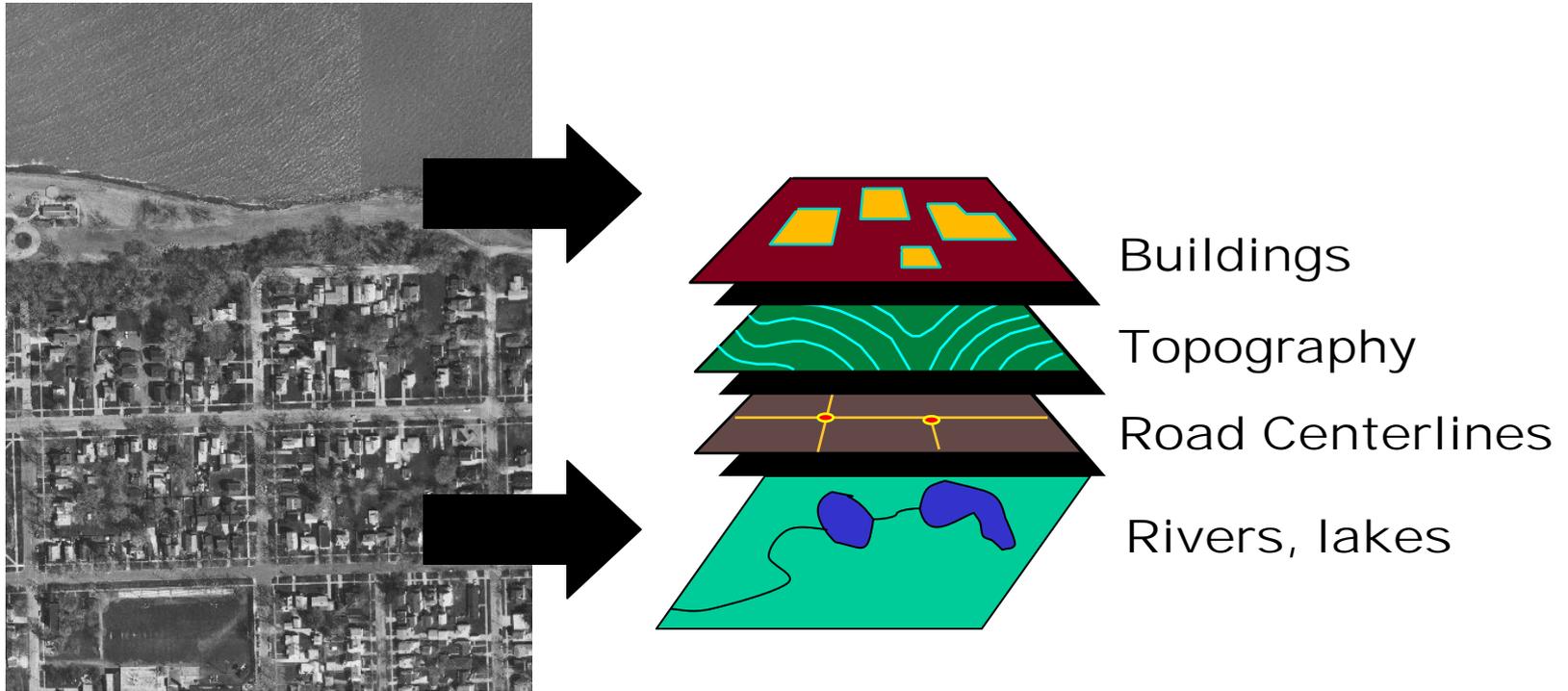
Develop Digital Orthophotos



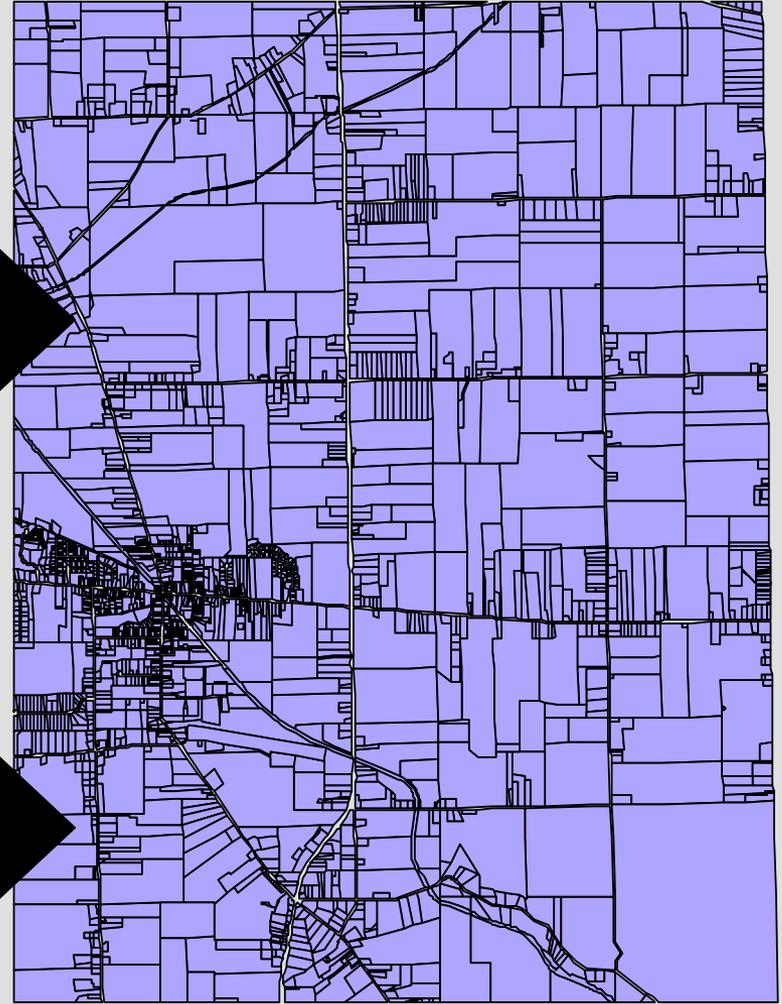
MAP REGISTRATION



Planimetric layers from orthophotos



Tax Map Digitizing



History

- Ground control monumentation survey completed in 90's
- Fairport Harbor Pilot Project completed late 90's
- Spring of 1999: GIS Board created

History

Summer 1999

- GIS Director hired
- Hardware and software acquired
- RFP done for Database Design/
Functional Requirements Study

History

Fall 1999

- Issued RFP for Database Design and Functional Requirements Study
- RFP for GIS Base Map data
Conversion contract written/issued

History

Winter 1999

- Started Database Design and Functional Requirements Study
- Awarded GIS Base Mapping – Aerocon Photogrammetric Surveys, Inc. for \$1.6M

History

Spring 2000

- Base Mapping Ground control completed, aerial photography flown
- Advertised/interviewed for GIS Department staff
- Database Design and Functional Requirements Study continues

History

Summer 2000

- Aerial photography scanned
- Base Map data conversion begun
- Database Design and Functional Requirements Study completed
- Additional hardware, software, networking, renovation completed

History

Fall 2000

- Base Map data conversion continues
- Scanning of Plats
- Installation of servers
- Installation of Oracle/SDE and ArcIMS
- Data distribution to public/private org.

History

2001

- Base Map data conversion completed
- Further scanning of Plats, Tax Maps
- Quality control on base map conversion
- Development of LakeNavigator I-net site
- Data distribution, application development

History

2002

- Base Map data conversion continues
- Application development continues
- Further development of LakeNavigator Internet site
- Pictometry bid



Departmental Support

L A K E C O U N T Y

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

Auditor's Office

- Pictometry support for appraisers, transfer office
- Daily query of orthophotos, parcels with real estate system info
- GIS buildings vs. tax roll QC
- Tax district mapping
- Digital Tax Map Book Index
- Scanned Plats/Archived Tax Maps online
- Sales Ratio analysis/mapping (under development)
- HouseDIFF change detection service



Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

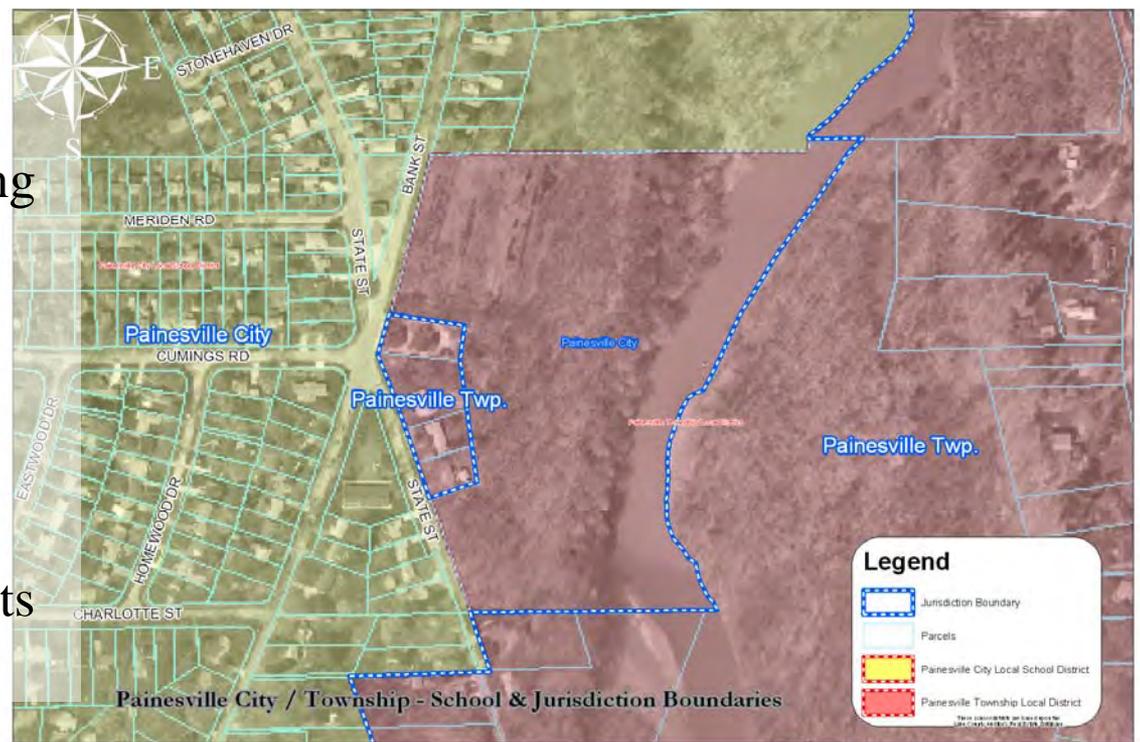
WWW.LAKEGIS.ORG

Board of Elections

- Wards/census tracts mapping
- Voting precincts
- Polling locations

Building Department

- Pictometry support for inspections and field reports
- Hydric soils mapping





Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

Emergency Management Agency

- Pictometry support for pre-planning
- Emergency Operation Plan Support
- Terrorism Annex development support
- PNPP declaration mapping on Internet
- Hazmat/LCPC support
- Extremely Hazardous Substances sites
- SERC Sara Title III sites
- Daycares

Emergency Planning Zones

Pickup locations

Roadblock locations

Evacuation Routes

EHS FACILITY RESPONSE MAP

ABB AUTOMATION
29801 Euclid Ave.
Wickliffe

0 650 1,300 2,600 Feet

Prepared by the Lake Co. GIS Dept.



Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

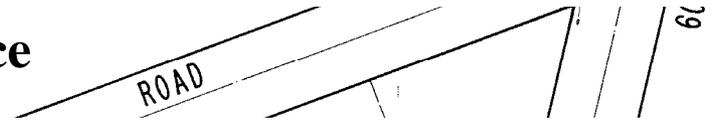
Known that Prentice W Reynolds hereby certifies that the attached plat represents his SUNNY ACRES ALLOTMENT RESUBDIVISION subdivision of lot numbers 1 thru 6 inclusive and does hereby certify that same.

to the best of my knowledge

Richard J. Bilski
RICHARD J. BILSKI

Engineer's Office

689063



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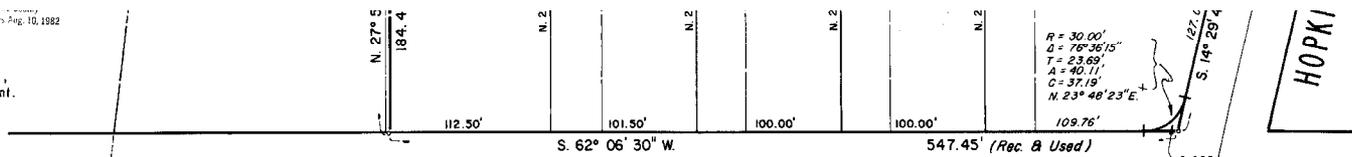
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- Pictometry support for preliminary design, surveying, field investigation
- Daily query of orthophotos, parcels with real estate system information
- Route 2 Study mapping (18M project)
- County Motor Vehicle License Tax mapping
- Road Maintenance mapping
- Bridge Inspection Program, bridge locations mapping, deck elevations
- Scanned Plats/Archived Tax Maps online
- Various project specific site mapping (contours, elevations, right-of-ways, etc.)

APPROVALS

oved this 19th day of NOVEMBER, 1980,
City of Mentor Director of Community Development.

[Signature]



0.002 Ac. Granted to the City of Mentor for



Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

County General Health District

- Rabies incident tracking
- West Nile Virus monitoring
- Willoughby Hills septic survey mapping
- Area specific septic sampling mapping
- Countywide population density mapping
- Smallpox vaccination centers determination
- Geo-coding incidents
- KI 10 Mile Zone mapping
- Dog population mapping for rabies planning



Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

Narcotics Agency

- Pictometry support for warrant serving, raids

Planning Commission

- Pictometry support for zoning code enforcement, planning, field visits
- Query orthophotos, parcels, soils, subdivisions, etc
- Zoning Map development
- Scanned Plats/Archived Tax Maps online
- Support public queries

Prosecutor's Office

- Presentation exhibits





Departmental Support

LAKE COUNTY

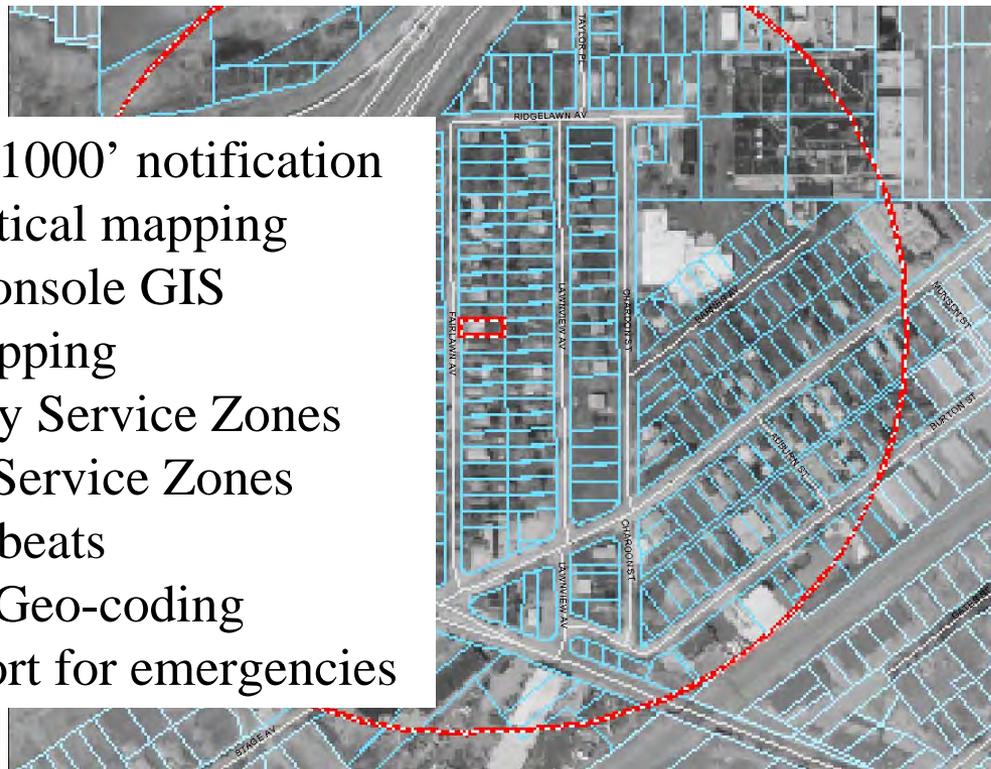
GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

WWW.LAKEGIS.ORG

Sheriff's Office

- Sexual Offender 1000' notification
- SWAT Team tactical mapping
- Dispatch E911 console GIS
- CAD System mapping
- Police Emergency Service Zones
- Fire Emergency Service Zones
- Dispatch groups/beats
- Special Address Geo-coding
- Pictometry support for emergencies



Registered Sex Offender
Lake County Sheriff's Office



Sex Offender Name
Address
City, Zip Code

Map shows homes and parcels within 1000' radius of offender's parcel.

Legend

-  SCHOOLS
-  DAYCARES
-  1000' Radius
-  Roads
-  Parcels within 1000'



Lake County GIS
Richard J. Kotapish, Director
105 Main Street
Painesville, OH 44077

Lake County assumes no responsibility for the information contained on this map.





Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

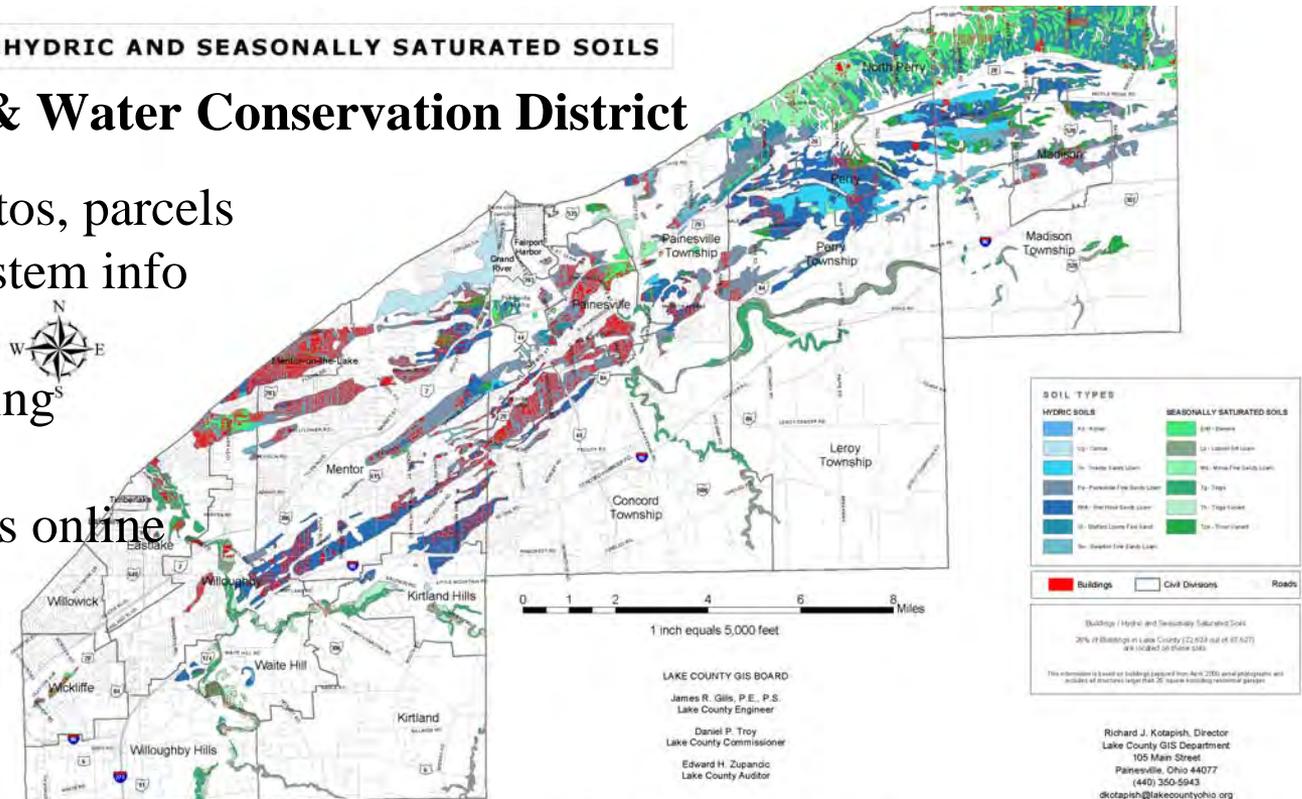
Applications

WWW.LAKEGIS.ORG

HYDRIC AND SEASONALLY SATURATED SOILS

Lake County Soil & Water Conservation District

- Query of orthophotos, parcels with real estate system info
- Hydrography
- Hydric soils mapping
- Scanned Plats/
Archived Tax Maps online





Departmental Support

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

Applications

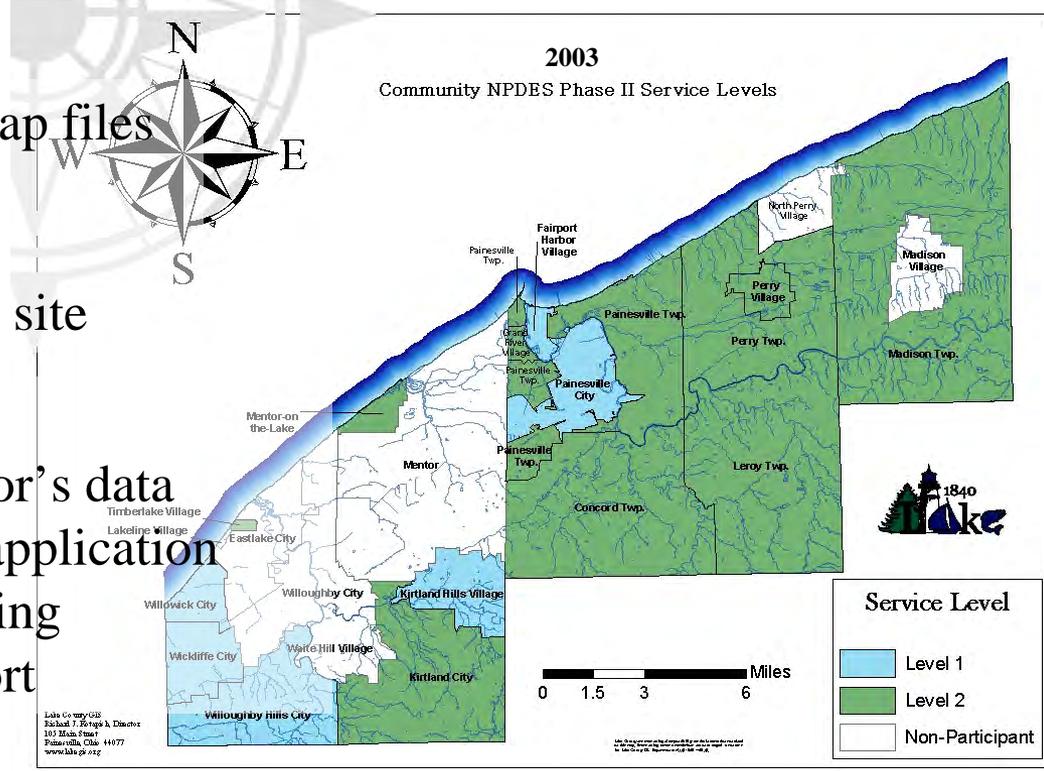
WWW.LAKEGIS.ORG

Stormwater Management Agency

- Watershed clipped digital base map files
- Watershed mapping
- Impervious surface calculation
- Impervious surface mapping web site

Utilities Department

- Query orthophotos, parcels Auditor's data
- Recycling zone pickup day I-net application
- New waterline presentation mapping
- Utility GIS data conversion support



Benefits of GIS:

Reduction or elimination of redundant activities

Efficient map drafting and maintenance

Decrease in time needed to find geographic information

Labor savings for drafting, collecting, reconciling and using geographically referenced information

Additional benefits include...

More accurate and complete Tax Maps

More accurate real estate tax assessment

Current Agricultural Use Valuation program:

Accurate, easy to handle CAUV maps

Improved CAUV program administration

What can the Engineer's Office do with GIS?

Tax map maintenance:

Maintenance of tax maps

Draft new subdivisions, splits & combines

Draft new, relocated and widened roads

House Bill 158 (262) compliance

Confirm parcel closure for transfers, splits, combines and subdivisions

Recalculate acreage for split parcels

Identify and locate specific parcels

The Engineer's Office can also....

Provide maps for the public

Calculate and assign addresses

Custom mapping:

Parcel maps displaying tax information

Maps for culvert maintenance

Parcel maps showing owners, values, addresses

Traffic accident incident maps

List owners in order along a right-of-way

Calculate the value of special highway assessments

Generate maps, form letters and mailing lists

Engineering can even:

Support preliminary design engineering

Link asset inventory to support maintenance scheduling

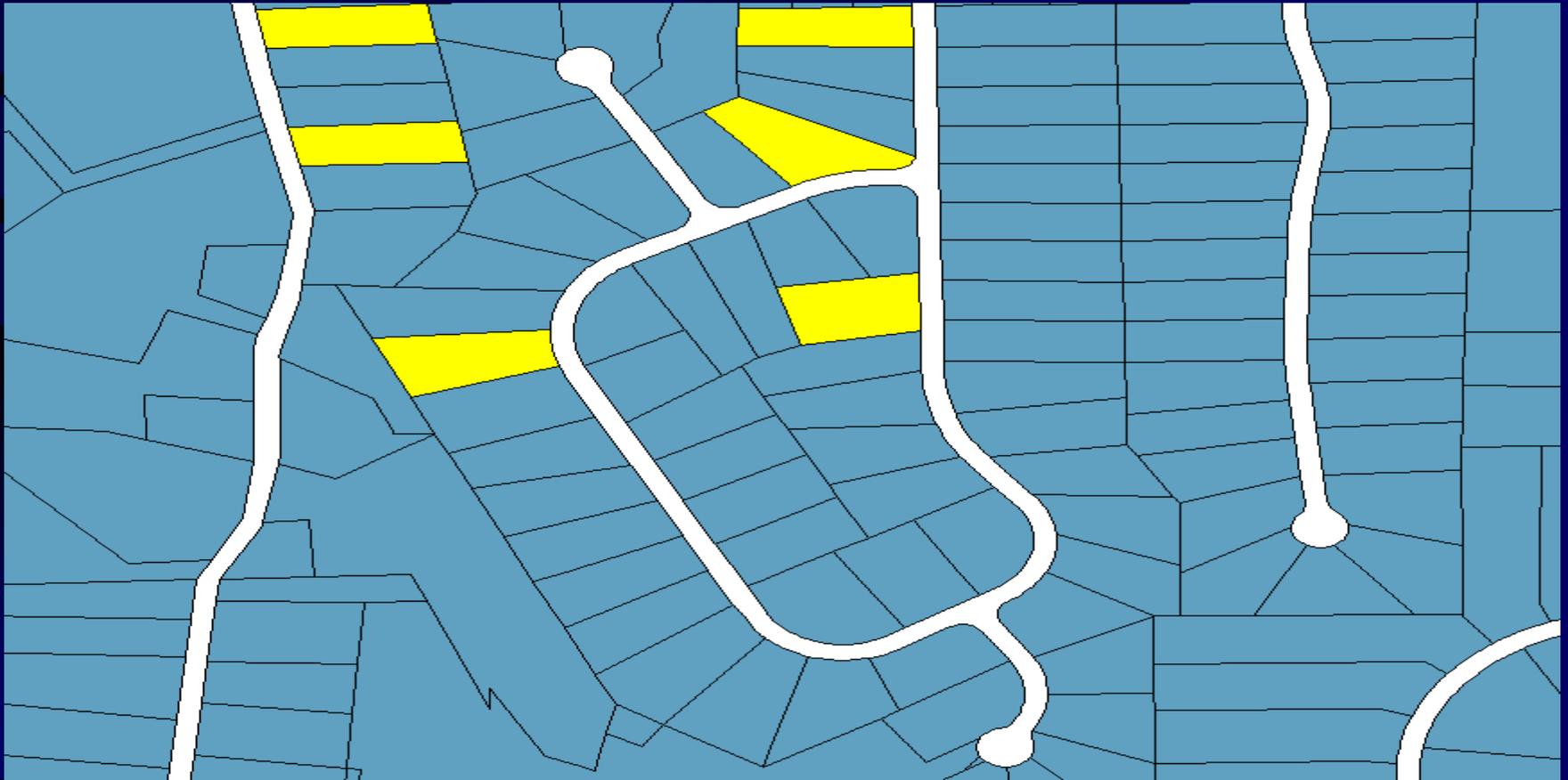
Perform plan review

Prepare traffic count predictions maps

Link engineering drawings for quick retrieval

What can the Auditor's Office do with GIS?

**Identify comparable parcels by grade,
by owner, by sale price and/or by class**



Auditor's appraisal staff will also ...

Prepare custom mapping :

Prices by square feet

Routing maps (routes for appraisers)

Parcel maps color coded: market values vs. sales

Parcel maps color shaded by price/square foot

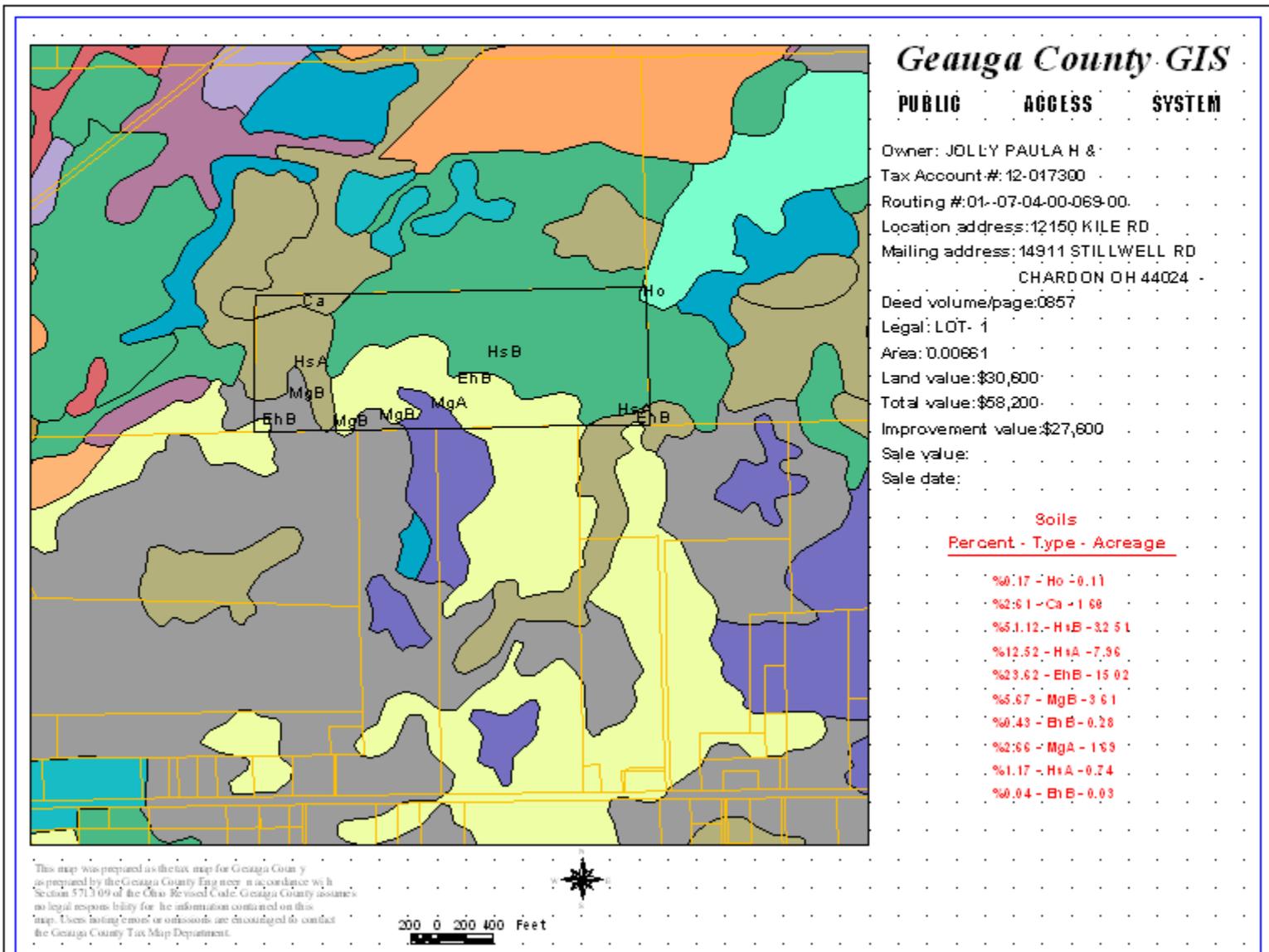
Parcel maps displaying owners, values and/or addresses

Currently C.A.U.V. is calculated manually

The **C**urrent **A**gricultural **U**se **V**aluation program gives farmers tax incentives to continue farming their lands. The tax reduction amount is tied to the properties' soil types and the soil's suitability for crop yields.



GIS automatically calculates the acreage of each soil type within the parcel



And the Planning Commission?

Update Township zoning maps

Update Township land use plans

County-wide comprehensive plan

Plot during subdivision review:

zoning

flood plains

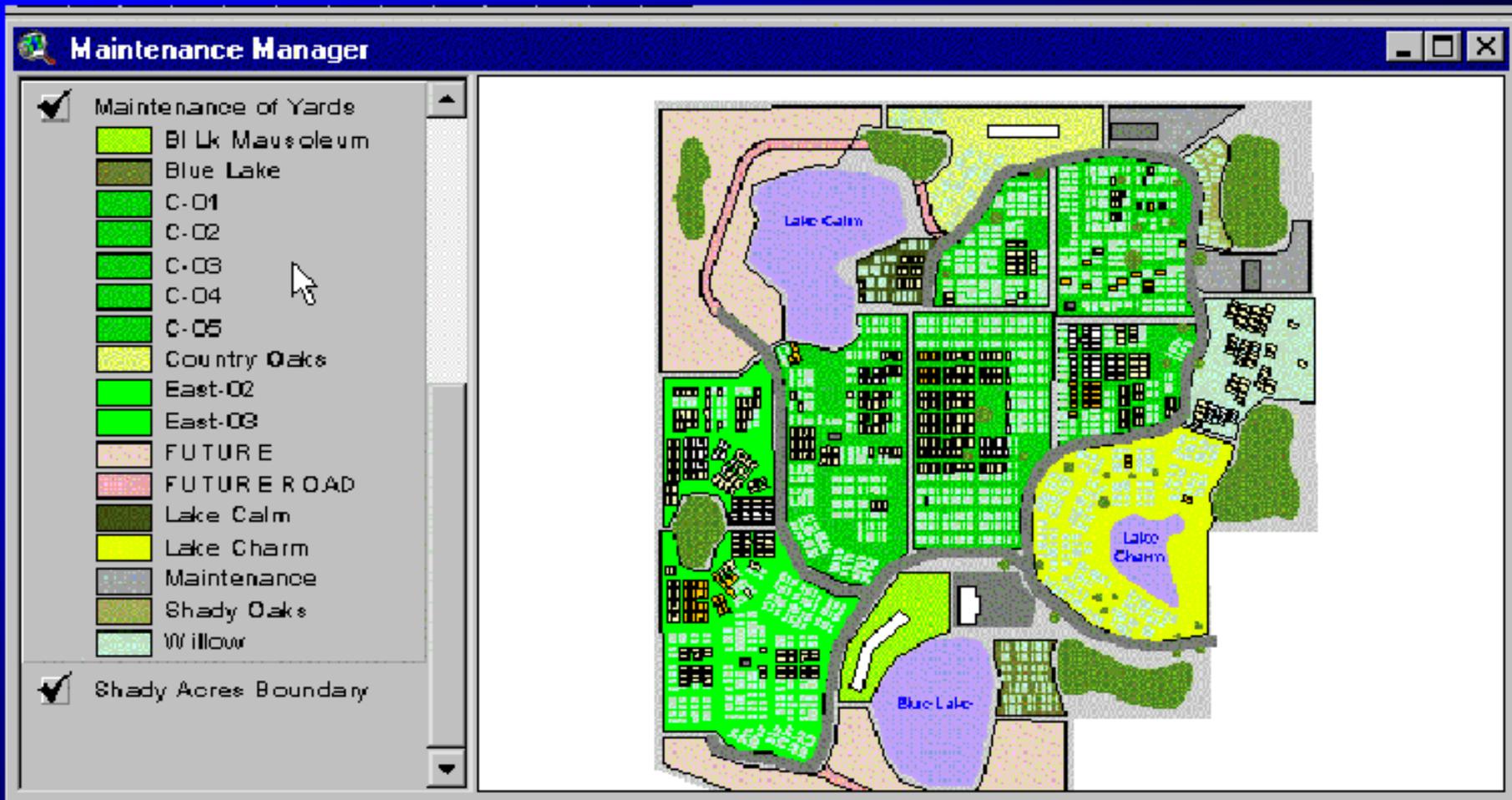
soil, wetlands

groundwater level

existing wells

septic systems

soil suitability



- **Show plots, buildings, roads, future development, and maintenance areas. AND keep track of activities.**

Townships & Villages can manage cemeteries

Incident Response for Public Safety

- **Provide more detailed map for E-911 system**
- **Develop efficient routes for emergency response**
- **Provide menu-driven interfaces to other departmental databases (e.g., land use, code violations, hydrant pressure, fire protection system permits, HAZMAT)**

Provide better information on anticipated conditions at scene of incident.

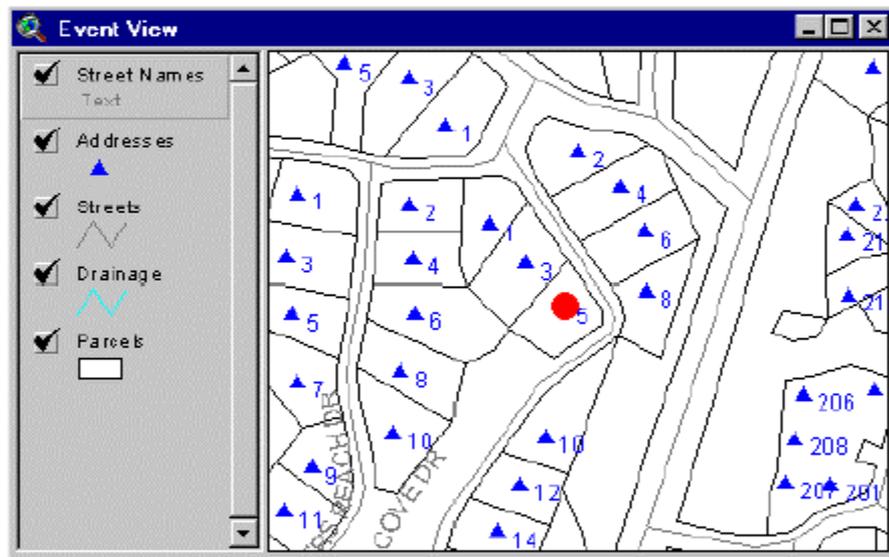
Incident Response for Public Safety

Interface GIS with report management system to generate electronic “pin” maps and track trends in safety incidents

Benefits

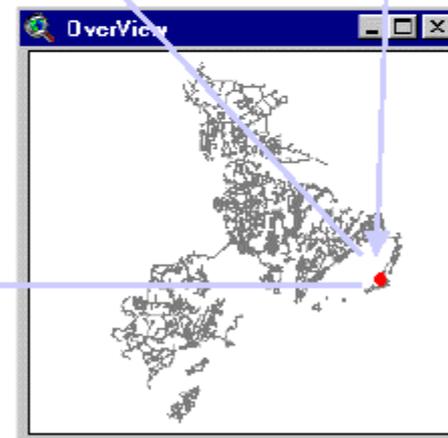
- Faster, more effective response to emergencies**
- Improve access to and exchange of information about special hazards, hydrant locations, code violations, etc.**
- Better deployment of resources to prevent incidents**

Incident Response Application - E911 Dispatch

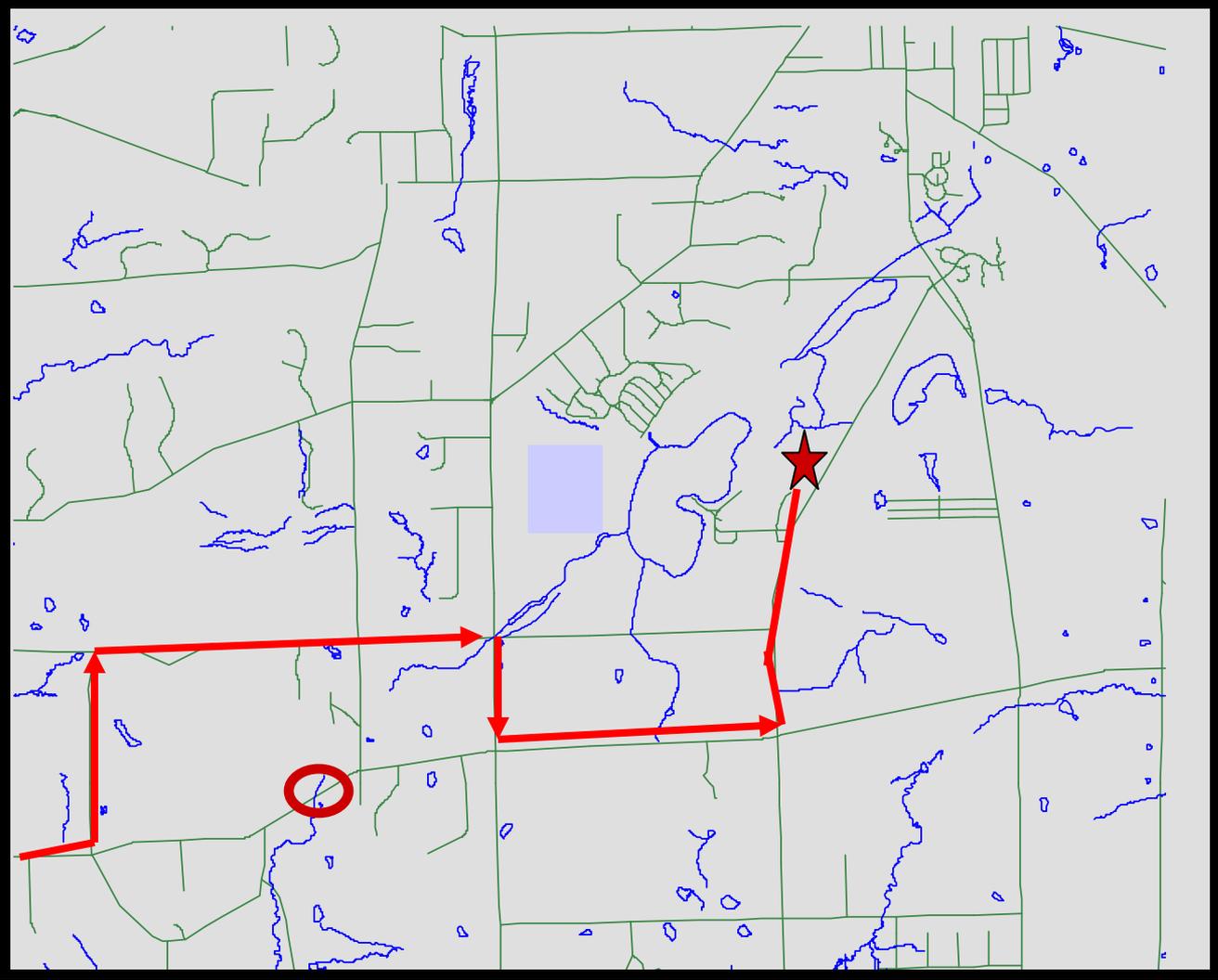


The **New Call** window contains the following fields and controls:

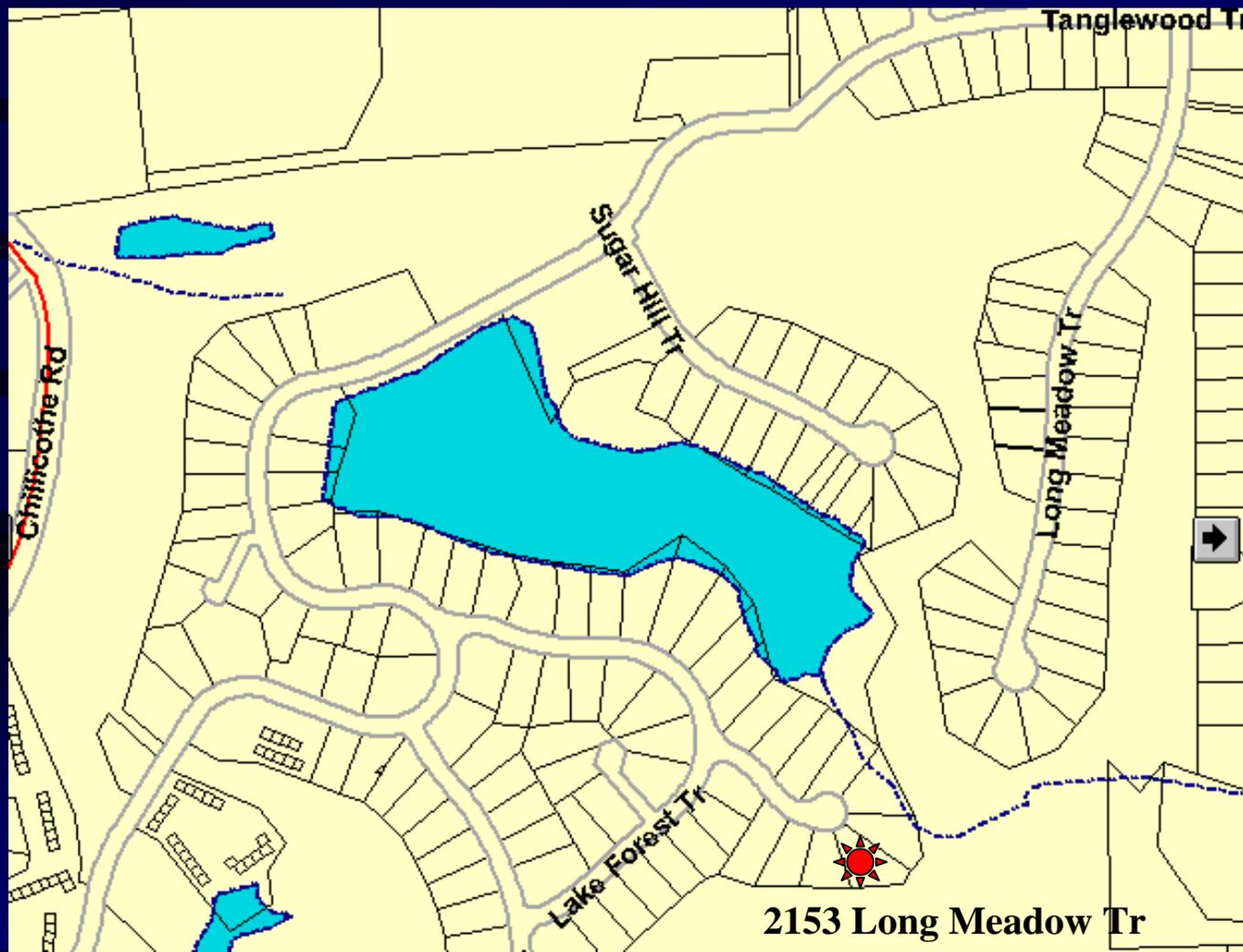
- Active Line: Line 1 (dropdown menu)
- Phone Number: 555 (dropdown menu) and 555-5555 (text input)
- Owner Name: Public, John Q (text input)
- Street Address: 5 FIDDLERS COVE DR (text input)
- Municipality: Beaufort (dropdown menu)
- Buttons: Look Up, Locate New, Locate Same



Safety forces can dispatch fastest routes



911 can direct link to map, displaying incident location



Display other information for dispatchers

Aerial photos, contour elevations and streams

Identify abutting property owners or those within radius

Shortest route to caller

Wet and dry hydrants, gas lines and electrical facilities

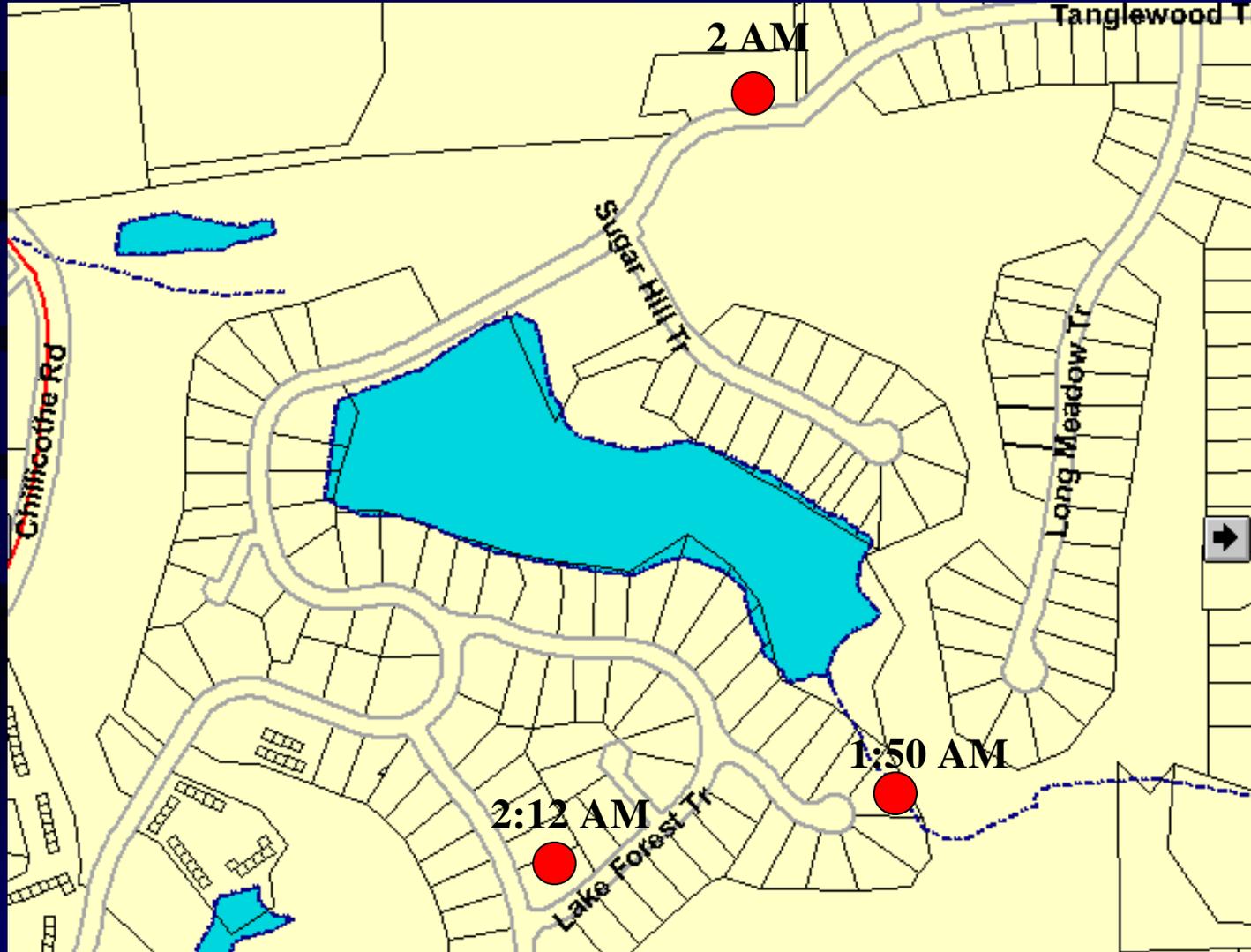
Residence/resident history, medical data

PSAP boundaries

Hospital locations

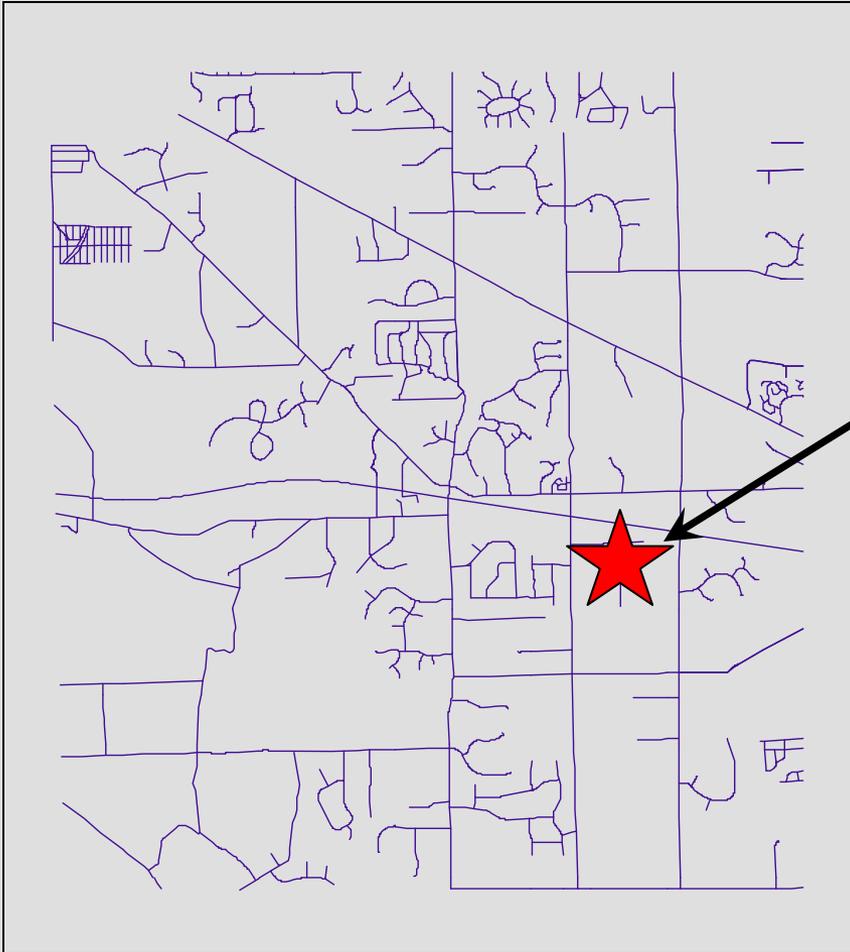
Link with crime report databases

PIN MAPPING



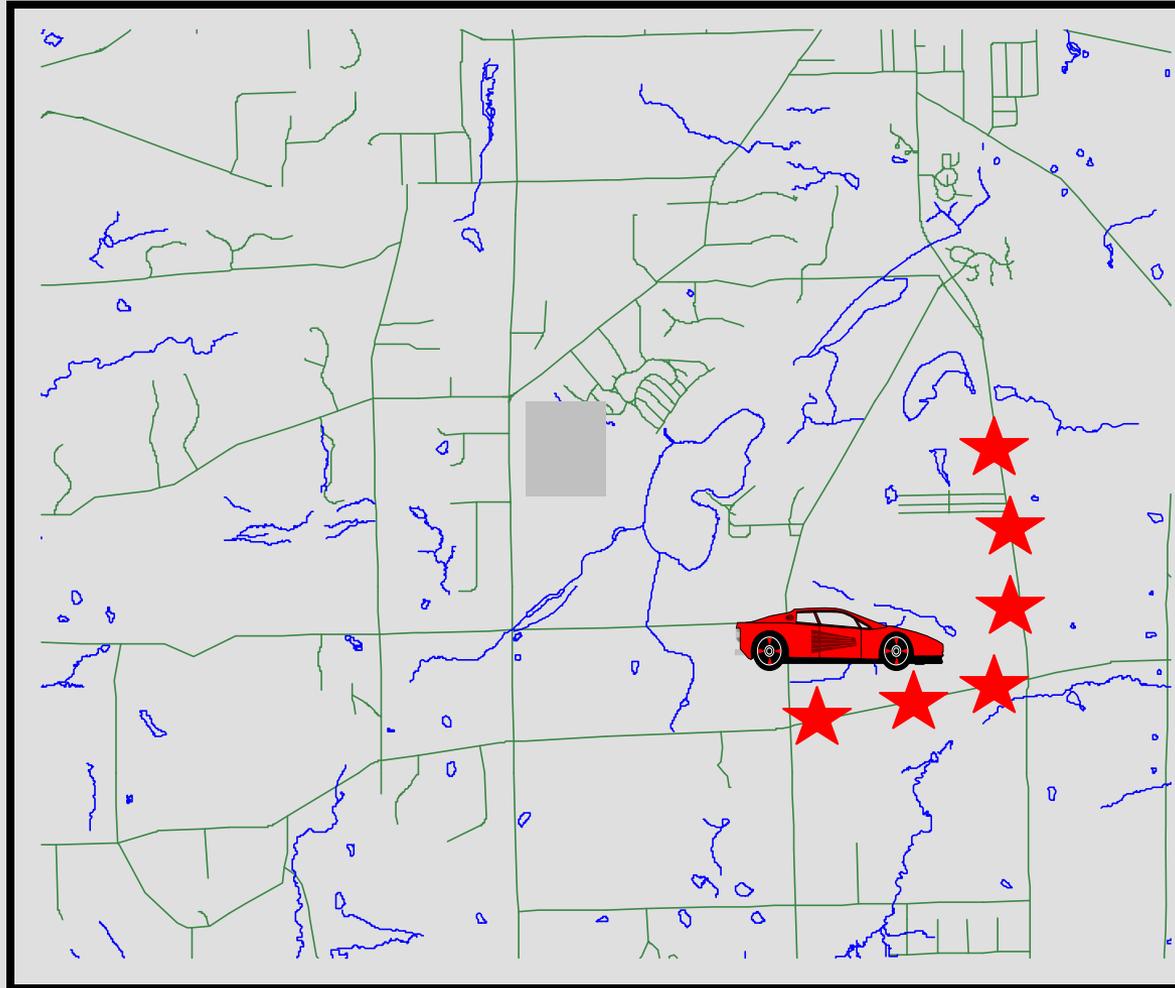
An officer's location can be shown *real time* on a PC

Officer needs help!!!



7298 Chestnut Road

Public safety vehicles or other vehicles can be tracked in real time

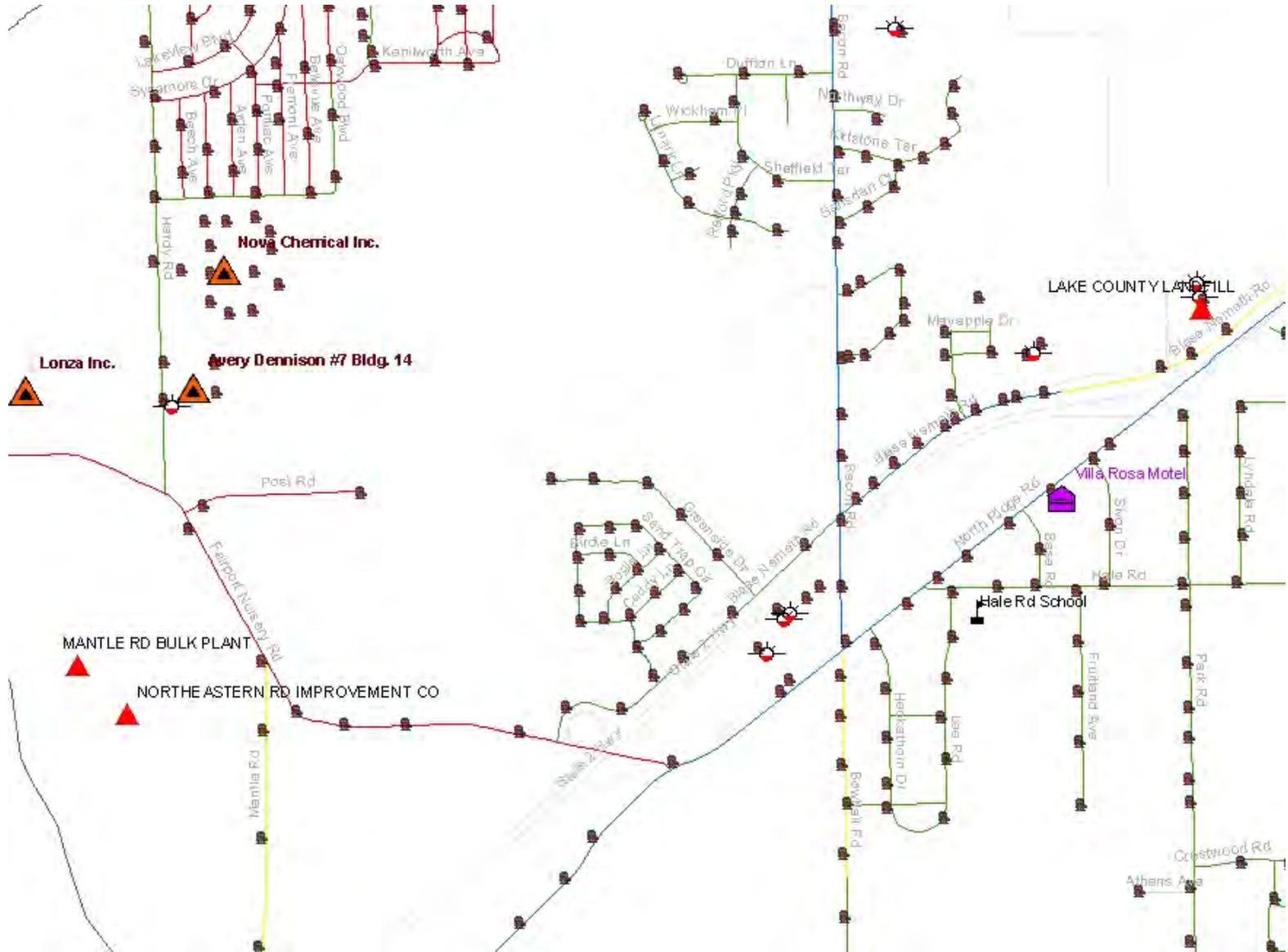


“Car 54 where are you?”

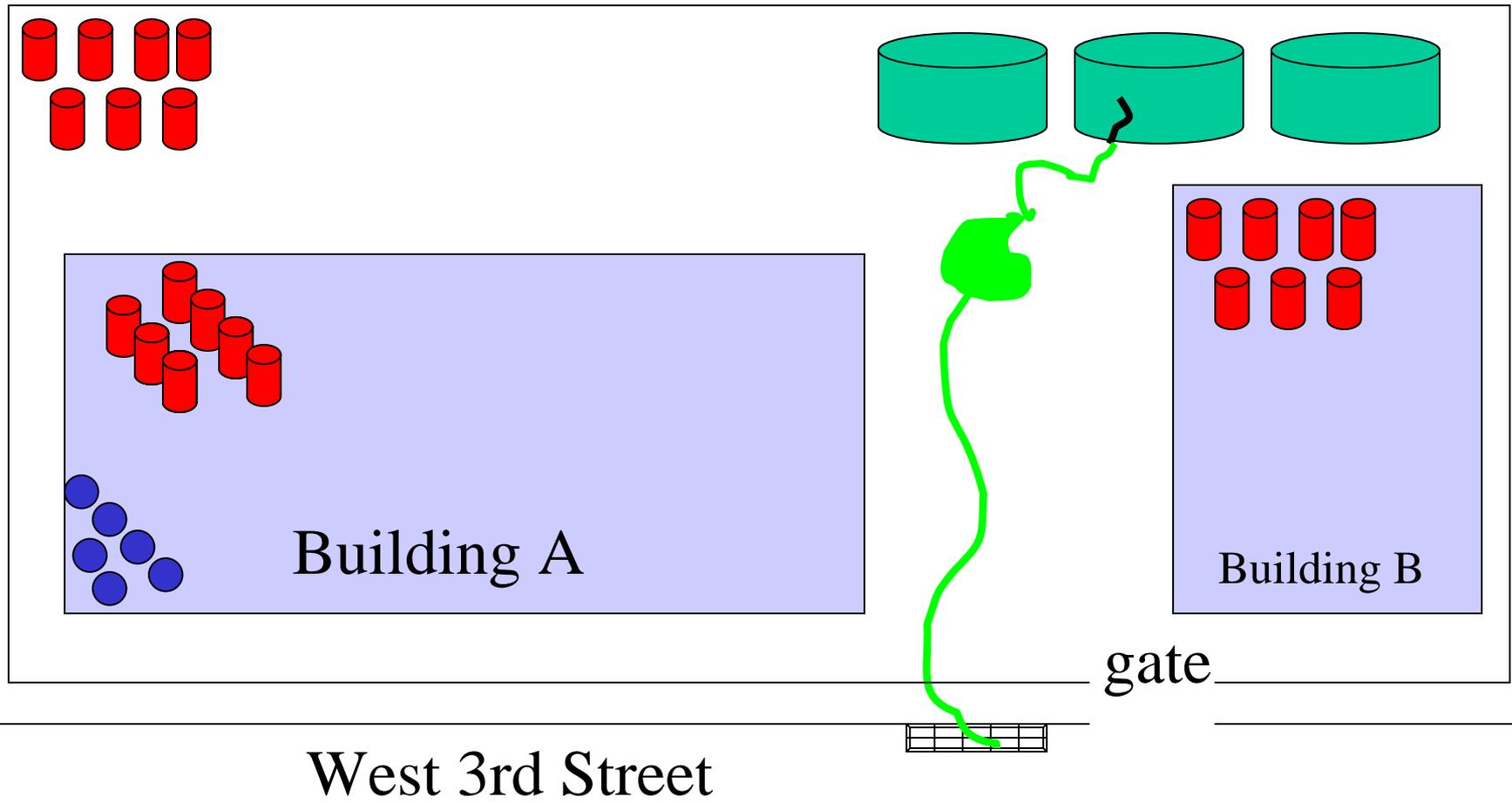
ODOT CAN ROUTE IT'S STRIPING PROGRAM



Fire departments can have updated wet and dry hydrant locations with capacities



Hazardous materials teams can have toxic and flammable barrels mapped



Toxic Generation Inc.

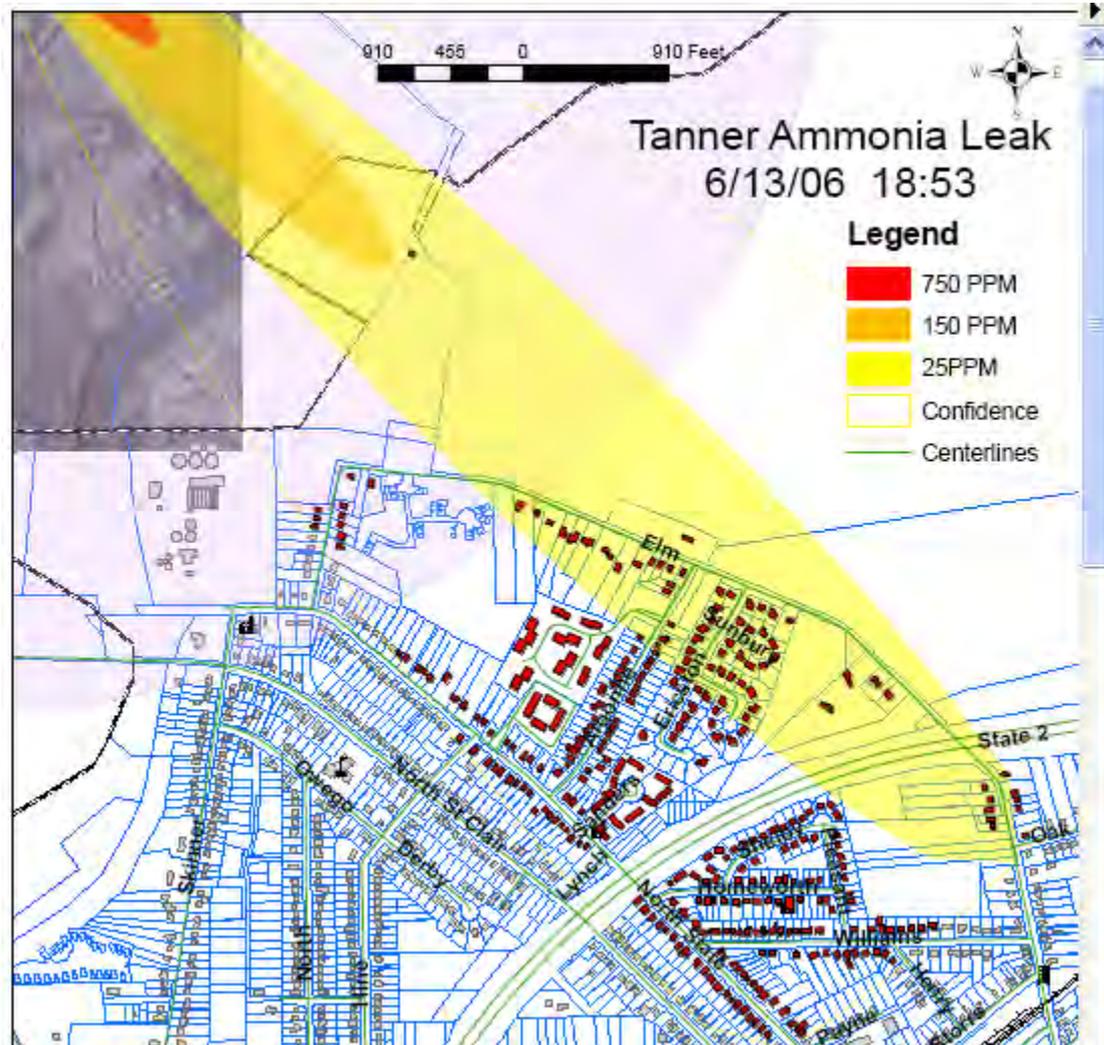


These maps are for First Responders' use in identifying local populations, including daycares, special needs , etc. that are at risk within the potential plume zone for Extremely Hazardous Substance (EHS) facilities

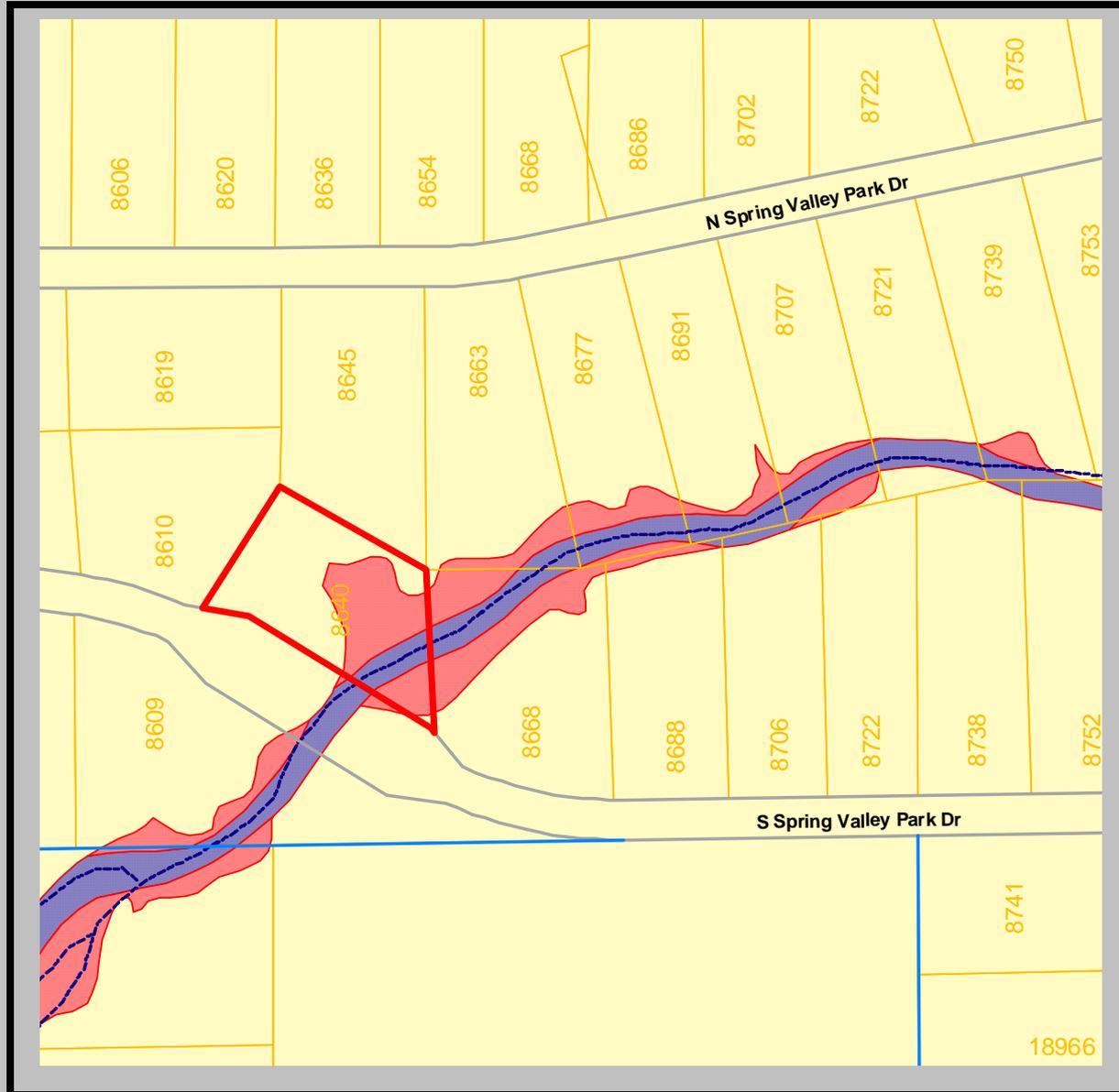
EHS FACILITY RESPONSE MAP



Hazardous materials teams can have toxic plumes and at-risk populations mapped



The Building Department can quickly find a property which falls within the flood plain



Field crews can manage infrastructure maintenance or replacement, accessing scanned notes, digital pictures and GIS layers at the same time.

The image displays a GIS application interface with three main components:

- Technical Drawing (Top Left):** A scanned engineering plan showing a street intersection. Labels include "SAN MH", "ARCHDALE DR", "8" WATER MAIN", "GHTON DR", and "ST. MH". A north arrow is present. A legend in the top right corner lists:
 - SW 1354 6" G.V.
 - SW 1355 6" G.V.
 - SW 1356 6" G.V.
- GIS Map (Center):** A digital map showing the same area with colored overlays. A legend on the left side of the map includes:
 - San MHS (red dot)
 - Ponds (cyan square for 342, dark blue square for 334)
 - San Service
 - San Sewers (red line)
 - Parcels (green square)
- Field Photograph (Bottom Right):** A photo of a street corner with a red stop sign, a fire hydrant, and a worker in a white hard hat. The text "ARCHDALE © BROUGHTON" is visible at the bottom of the photo.

Sample Maintenance Work Order Management for Utilities and Public Works Departments

Work Order Template

General | Labor | Materials | Equipment | Printing

Utility: WATER

Select a Feature or Device type that this template applies to, and check whether it is Scheduled or Unscheduled.

Show Features
 Show Devices

Scheduled
 Unscheduled

Tank Feature
Tower Feature
Treatment Plant Feature
Valve Feature
Vault Feature
Well Feature

Double-click to select an existing template. Enter text for a new description, or modify the selected description.

Existing Templates: Valve Inspection
Valve Replacement

Add/Modify: Valve Replacement

Priority: 4 Medium Low | Date: 04/21/97

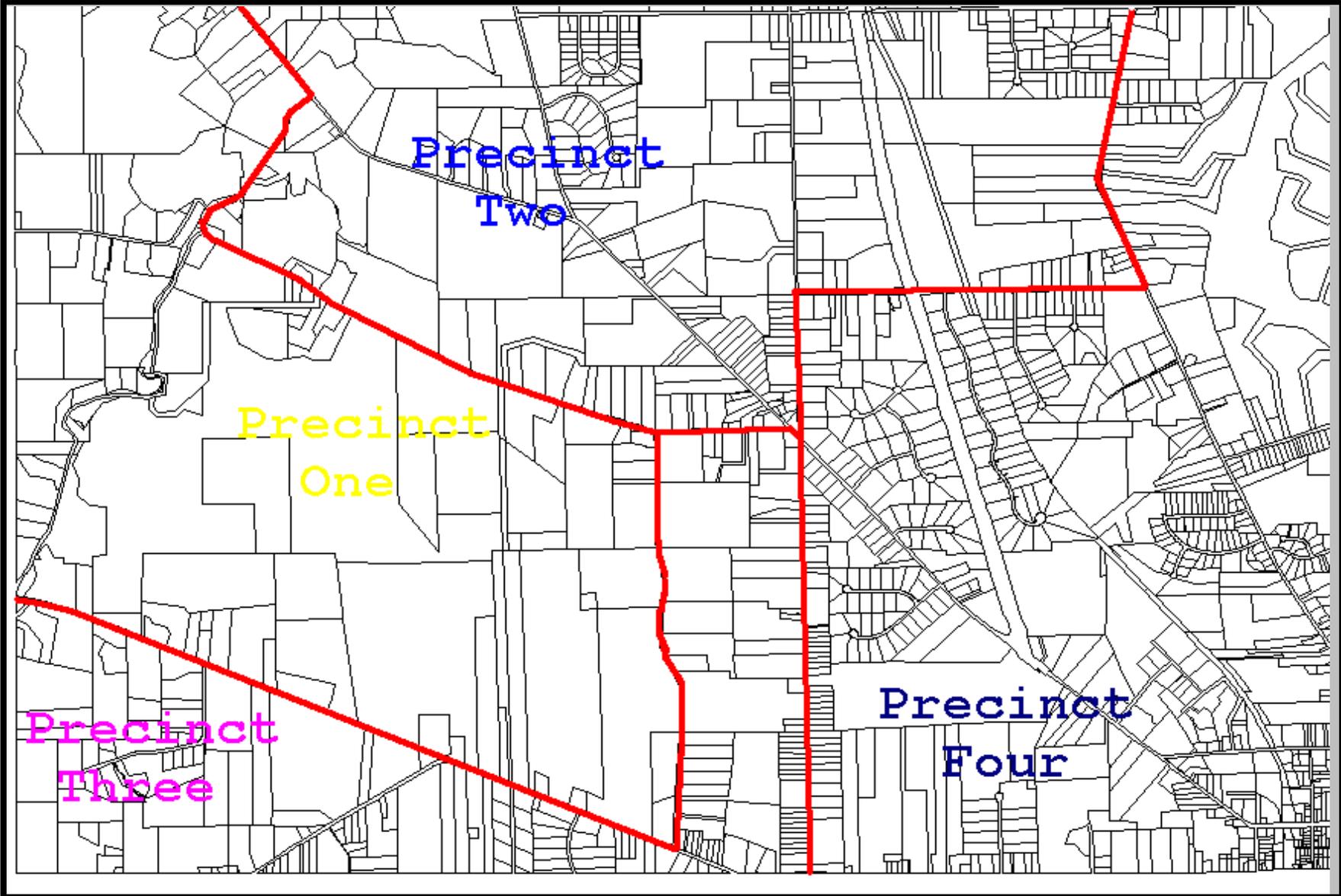
Steps to Complete

Identify valve to be replaced
mark out work area for excavation
install signs, excavate
sheet cover excavation area

General Comments

Clear Form | Update | Delete

The Board of Elections can re-district voting precincts



The Board of Education can optimize bus routing



Education using GIS can teach many subjects

- **Geography**
- **Computer Science**
- **Math**
- **Sociology**
- **Cartography**

ArcView for Schools & Libraries bundle

- ArcView software for Windows or Macintosh
 - Avenue scripting language
 - ArcView Sample Data
- ArcUSA 1:2M
- ArcWorld 1:3M
- ArcScene World Tour (13 satellite images)
- Digital Chart of the World (1:1M)

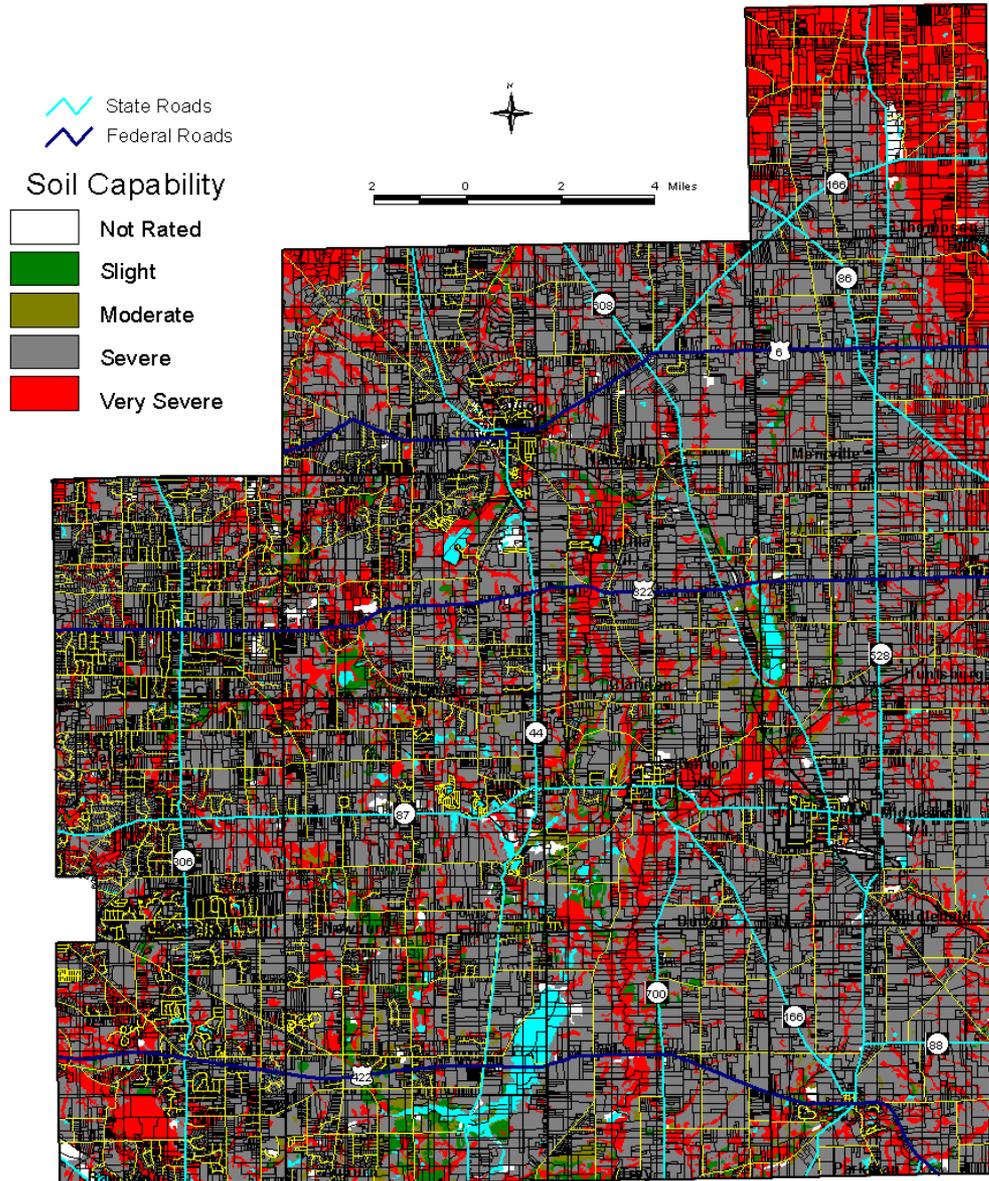
\$495 School/Library building license

U.S. pricing. International sites contact local distributor.

Introductory materials for schools & libraries

- videotapes
- white papers
- lesson plans
- demo disks
- posters
- special data
- Internet sites

Capability For On-Site Septic Tank Absorption Fields





LAKE COUNTY

Enterprise GIS

Welcome to the
Lake County GIS Department



Flood 2006 Information - Interactive Map Viewer of Road Closures & Infrastructure Damage

It is estimated that more than eighty percent of governmental functions are associated with managing information about specific locations or geographic areas. A Geographic Information System (GIS) is a computer system for the input, editing, storage, maintenance, management, retrieval, analysis, and output of geographically referenced information. GIS supports applications such as emergency dispatch, land planning, emergency management and Homeland Security, property appraisal, civil engineering, natural resource monitoring, transportation planning, monitoring crime and accidents, public health and environmental analysis, economic development, census analysis, and many more.

BOARD OF COMMISSIONERS

AUDITOR

COUNTY ENGINEER

START HERE

LakeNavigator

Online Mapping Application

LakeGIS

PUBLIC ACCESS SYSTEM

Search Archived Documents

QUICK LINKS

Having trouble with LakeNavigator? Click here

SCANNED PLATS & ARCHIVE TAX MAPS (Tax Map)

PROPERTY SEARCH (Auditor)

- LakeGIS
- Online Maps
- Resources
- FAQ
- Contacts

Lake County's GIS Internet Mapping Application

http://www.lakegis.org/lakenavigator/viewer.htm?Query=PTN=28-A-039-B-00-0

Lake Navigator

SEARCH

LAYERS

- Planimetric
 - Bridges
 - Buildings
 - Centerlines
 - 2' Contours
 - Pavement
 - Edges
 - Railroads
 - Transmission Towers
- Cadastral
 - Parcels
 - Old Parcel Lines
 - Lots
 - Tracts
 - Sublot Numbers
 - Lot Dimensions
- Imagery
 - Color Photography
 - Aerial Photography
- Natural Resources
- Civil

Chart your course ...

PARCEL SEARCH DOCUMENT NUMBERS

PLAT MAPS SURVEY MAPS

ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

BACK

Parcel ID	Address	Owner
11-B-041-E-00-003-0	24 IROQUOIS	SMITH ADA J
11-B-041-E-00-004-0	IROQUOIS	SMITH ADA J
14-A-005-A-00-128-0	1000 201 SECOND ST	SMITH ADAM D
28-A-039-B-00-034-0	30104 HARRISON	SMITH ADAM K

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

http://www.lakegis.org/lakenavigator/viewer.htm?Parcel=28A039B000340&MapNum=&Card=1&page=base - Micr...

base map land sales sketch bldg data taxes special assessments oby

BASE DATA

email this page print this page property record card

Parcel ID: 28A039B000340 Owner: SMITH ADAM K

Owner Address: 30104 HARRISON ST WILLOWICK OH 44095

Property Address: 30104 HARRISON

Legal Description: 27 L26-27 A[GOLFVIEW 2 50

Class: R - SINGLE FAMILY DWELLING, PLATTED LOT

Land Use Code: RESIDENTIAL

Number Of Cards: 1

Rooms: 5 Bedrooms: 3

Baths: 1.5 Sq. Feet: 1123

Heat/Cooling.: + AIR CONDITION Year Built: 1956

VALUES APPRAISED ASSESSED (35%)

Market Land Value: \$74,270 \$8,400

http://www.lakegis.org/lakenavigator/viewer.htm?Query=PTN=28-A-039-B-00-034-0"8:QueryZoom=Yes - Microsoft Internet...

Lake Navigator

SEARCH

Buildings Centerlines 2' Contours Pavement Edges Railroads Transmission Towers

Cadastral

- Parcels
- Old Parcel Lines
- Lots
- Tracts
- Sublot Numbers
- Lot Dimensions

Imagery

- Color Photography
- Aerial Photography

Natural Resources

Civil

Refresh Map

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

Click on the appropriate parcel ID and the map will zoom to the parcel, highlight the parcel and open a window of Auditor's Real Estate System information

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search

DOCUMENT NUMBERS

PLAT MAPS

SURVEY MAPS

ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help ...

Parcel Search

Search for a specific parcel by NAME, ADDRESS, or PERMANENT PARCEL NUMBER (PPN). The search will output a list of potential parcels. Select one of these to see the Auditor's data. On the Auditor's information page, hit the 'MAP' button to view the specific parcel.

SEARCH BY:

ADDRESS

OWNER'S NAME

PARCEL NUMBER

Enter Owner's Name

Owner:

Submit

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search

DOCUMENT NUMBERS

PLAT MAPS

SURVEY MAPS

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LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help ...

Place your cursor over the buttons to the left to see what each one does. A detailed description of each function will appear in this window. If you have any questions with this interface, please contact the Lake County GIS Department - (440) 350-5943.

BACK

Parcel ID	Address	Owner
11-B-041-E-00-003-0	24 IROQUOIS	SMITH ADA J
11-B-041-E-00-004-0	IROQUOIS	SMITH ADA J
14-A-005-A-00-128-0	1000 201 SECOND ST	SMITH ADAM D
28-A-039-B-00-034-0	30104 HARRISON	SMITH ADAM K

Use the search options below to find available documents in the Recorder's site.

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search

DOCUMENT NUMBERS

PLAT MAPS

SURVEY MAPS

ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help ...

Document Information

This search is directly linked to the Lake County Recorder's database. It complements the Recorder's Online Document Search by adding the ability to search by parcel number and provide a link to a map. For document information prior to 1986 please refer to the hard-copy or scanned tax maps.

Instrument Number:

Parcel Number: no dashes

Name: last, first

Document Type:

Document Code:

Date Range: To

Search by:

All

Grantor (Debtor)

Grantee (Creditor)

3rd Party

[Search Help?](#)

Search Reset

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search

DOCUMENT NUMBERS

PLAT MAPS

SURVEY MAPS

ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

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BACK TO SEARCH FORM LAKE COUNTY RECORDER'S OFFICE SITE CONTAINS DATA BACK TO 1/1/1986

Name (GR - Grantor, GE - Grantee)	Instrument Number	Instrument Code	Filing Date	Location	Legal Description	Parcel Number
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031161	DEED	6/28/1999	KIRTLAND	S/L 79 REGENCY WOODS SUB PH IIIA	20-A-007-A-00-095-0
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031162	DEED	6/28/1999	MENTOR	S/L 34 MENTOR EAST INDUSTRIAL SUB 2 0.648 AC	16-B-052-P-00-037-0

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

Lifeline help ...

Place your cursor over the buttons to the left to see what each one does. A detailed description of each function will appear in this window. If you have any questions with this interface, please contact the Lake County GIS Department - (440) 350-5943.

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Name (GR - Grantor, GE - Grantee)	Instrument Number	Instrument Code	Filing Date	Location	Legal Description	Parcel Number
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031161	DEED	6/28/1999	KIRTLAND	S/L 79 REGENCY WOODS SUB PH III-A	20-A-007-A-00-095-0
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031162	DEED	6/28/1999	MENTOR	S/L 34 MENTOR EAST INDUSTRIAL SUB 2 0.648 AC	16-B-052-P-00-037-0

LAKE COUNTY RECORDER

FRANK A. SUPONCIC, RECORDER

About the Recorder's Office About Frank Suponic Search the Document Index Contact Information

Go to: Search:

Document Index Search Results: (Page 1 of 1)

Search Criteria

Instrument #:	1999R031161	Document Type / Code:	All Types / All Codes
Name:		Date From:	1/1/1901
Grantor/Grantee:	All	Date To:	11/4/2003

Instrument Number	Instrument Code	Filing Date	Name (GR - Grantor, GE - Grantee)	Location	Legal Description	Parcel Number
1999R031161	DEED	6/28/1999	(GR) BUSH, COREEN (GR) BUSH, EMIL F (GE) BUSH FAMILY REVOCABLE LIVING TRUST (GE) BUSH, COREEN W TRUSTEE (GE) BUSH, EMIL F TRUSTEE	KIRTLAND	S/L 79 REGENCY WOODS SUB PH III-A	20-A-007-A-00-095-0

Click on the document number to go to the Recorder's site. Click on the parcel number (PIN) to zoom to the highlighted parcel and to open a window of Auditor's Real Estate System information.

base map land sales sketch bldg data taxes special assessments oby

BASE DATA

Parcel ID: 16D096A000830 Owner: WINSLOW IRENE E & BETH A OSBORNE
 Owner Address: 5555 ANACONDA MENTOR OH 44060
 Property Address: 5555 ANACONDA

Legal Description: L1678
 A12 SALIDA 50FF

Class: R - SINGLE FAMILY DWELLING, PLATTED LOT
 Land Use Code: RESIDENTIAL
 Number Of Cards: 1

Rooms: 5 Bedrooms: 2
 Baths: 1 Sq. Feet: 1120
 Heat/Cooling.: NORMAL Year Built: 1955

VALUES	APPRAISED	ASSESSED (35%)
Market Land Value:	\$15,180	\$5,310
Market Impr Value:	\$46,430	\$16,250
Total Value:	\$61,610	\$21,560
CAUV Value:	\$0	\$0

Address: http://www.lakegis.org/lakenavigator/viewer.htm?Query=PIN%3D%2216-D-096-A-00-083-0%22&Que

Lake Navigator

SEARCH

- ☐ Railroads
- ☐ Transmission Towers
- ☑ Cadastral
 - ☑ Parcels
 - ☐ Old Parcel Lines
 - ☐ Lots
 - ☐ Tracts
 - ☑ Sublot Numbers
 - ☑ Lot Dimensions
- ☑ Imagery
- ☐ Natural Resources
- ☑ Civil

Refresh Map

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lake Navigator Interactive Online Map

Lifeline help ...

Plat Maps

Plat maps are static maps recorded with the county showing changes in land ownership, such as, subdivisions, annexations, road dedications and vacations, and condominiums. The scanned images of the plats can be searched by PLAT NAME, AREA, TYPE, or VOLUME/PAGE. Plat pages can be viewed online or downloaded for offline viewing.

To see a plat page, enter search criteria in boxes below.

NAME: willow | THE LESS YOU ENTER THE MORE CHOICES YOU WILL HAVE. | Search for Plat

AREA: | CITY / TOWNSHIP / VILLAGE

TYPE: | SUBDIVISION, VACATION, ANNEXATION, ETC ...

PLAT: | VOLUME-PAGE | Reset Form

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

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To see a plat page, enter search criteria in boxes below.

NAME: willow | THE LESS YOU ENTER THE MORE CHOICES YOU WILL HAVE. | Search for Plat

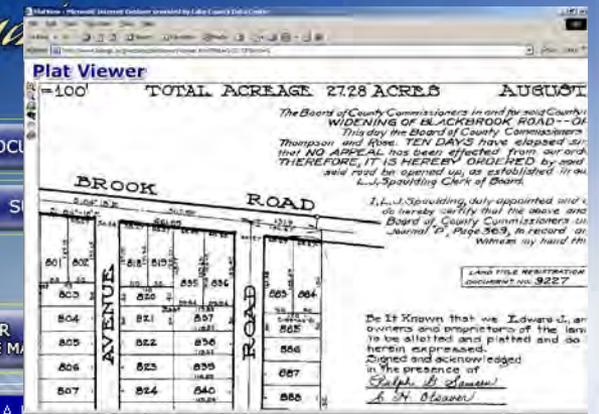
AREA: | CITY / TOWNSHIP / VILLAGE

TYPE: | SUBDIVISION, VACATION, ANNEXATION, ETC ...

PLAT: | VOLUME-PAGE | Reset Form

CLICK ON THE PLAT NAME TO SEE A

NAME	AREA	TAXMAP	BOOK	PLAT	TYPE
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-53	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-54	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-55	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-56	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-59	subdivision
Willowick Park No. 2	Eastlake	10-D	34-A	D-34	subdivision



Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lake Navigator Interactive Online Map

Lifeline help ...

Archived Tax Maps

Archived tax maps are the 18"x30" maps that were used before the use of GIS. They recorded ownership, document numbers, acreage, frontage, and transfer date. These scanned maps can be searched using BOOK/AREA and/or PAGE. The images can be viewed online or downloaded. The originals can also be viewed in person at the Tax Map office.

To see an archived tax map, enter search criteria in the boxes below.

BOOK / AREA: Select Area from List

- 1A - Madison Township (Madison Local School District)
- 1B - Madison Township (Madison Local School District)
- 2A - Madison Village (Madison Local School District)
- 3A - Perry Township (Perry Local School District)
- 4A - Perry Village (Perry Local School District)
- 5A - North Perry Village (Perry Local School District)
- 7A - Leroy (Painesville Township Local District)
- 8A - Concord (Painesville Township Local District)

PAGE: | Search

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lake Navigator Interactive Online Map

Lifeline help ...

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To see an archived tax map, enter search criteria in the boxes below.

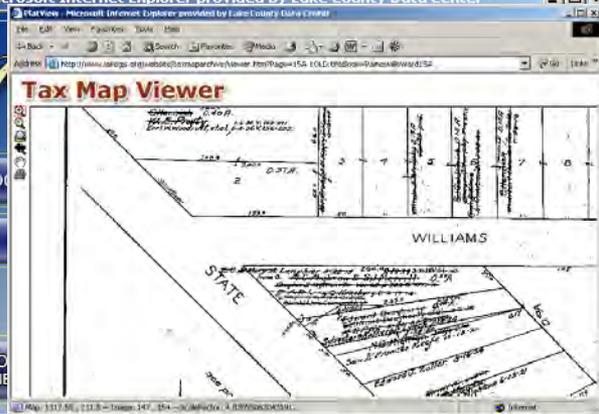
BOOK / AREA: Select Area from List

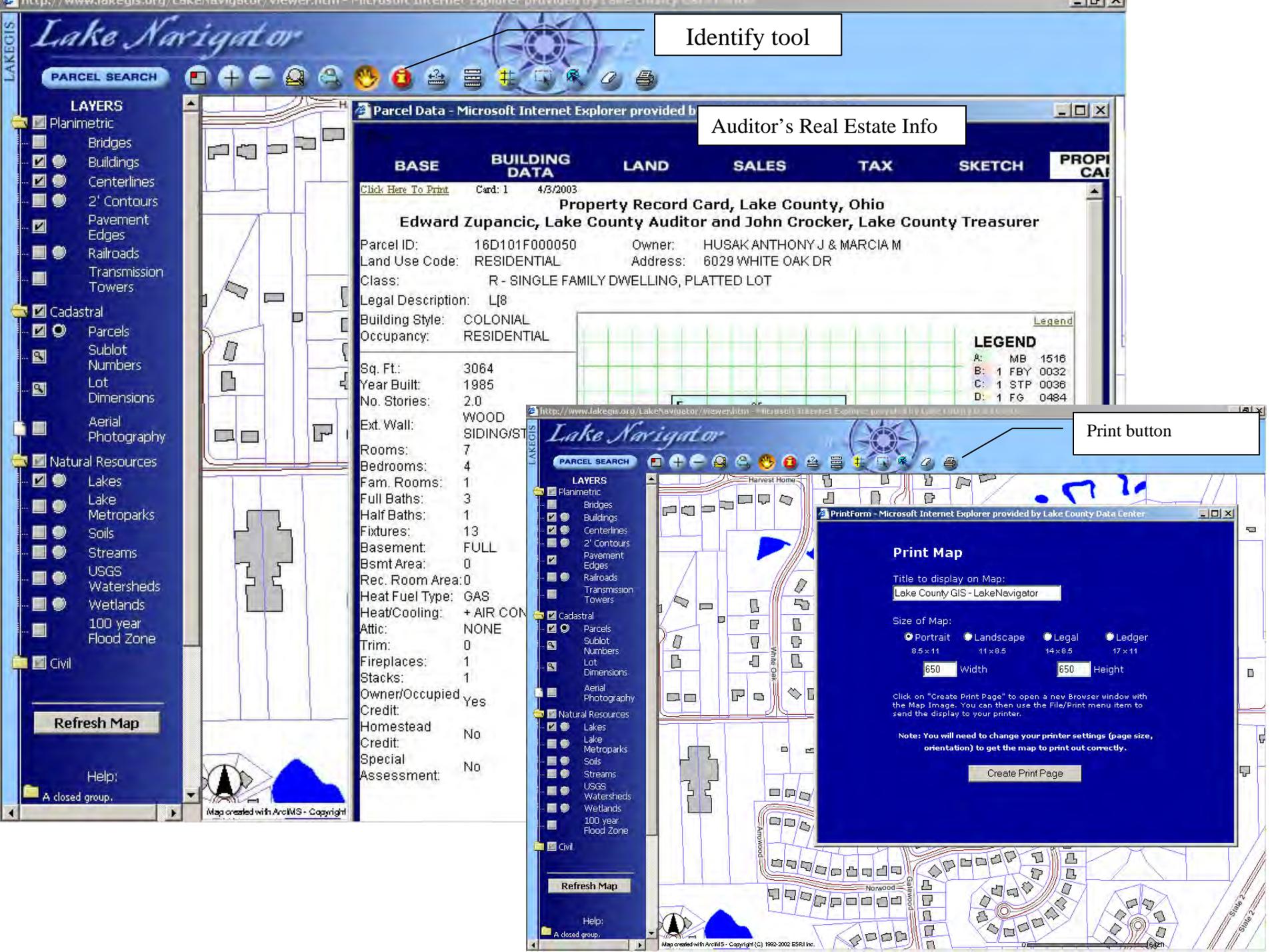
- 1A - Madison Township (Madison Local School District)
- 1B - Madison Township (Madison Local School District)
- 2A - Madison Village (Madison Local School District)
- 3A - Perry Township (Perry Local School District)
- 4A - Perry Village (Perry Local School District)
- 5A - North Perry Village (Perry Local School District)
- 7A - Leroy (Painesville Township Local District)
- 8A - Concord (Painesville Township Local District)

PAGE: | Search

CLICK ON THE TAX MAP NAME TO SEE AN IMAGE OF IT. | BACK TO SEARCH FORM

TAX MAP NAME	ACTION
4A-35 OLD	DOWNLOAD
4A-36 OLD	DOWNLOAD
4A-43 OLD	DOWNLOAD
4A-43-A OLD	DOWNLOAD
4A-44 OLD	DOWNLOAD





Lake Navigator

Identify tool

Auditor's Real Estate Info

Parcel Data - Microsoft Internet Explorer provided by Lake County Data Center

BASE BUILDING DATA LAND SALES TAX SKETCH PROPI CAI

[Click Here To Print](#) Card: 1 4/3/2003

Property Record Card, Lake County, Ohio

Edward Zupancic, Lake County Auditor and John Crocker, Lake County Treasurer

Parcel ID: 18D101F000050 Owner: HUSAK ANTHONY J & MARCIA M
Land Use Code: RESIDENTIAL Address: 6029 WHITE OAK DR
Class: R - SINGLE FAMILY DWELLING, PLATTED LOT
Legal Description: L18
Building Style: COLONIAL
Occupancy: RESIDENTIAL

Sq. Ft.: 3064
Year Built: 1985
No. Stories: 2.0
Ext. Wall: WOOD SIDING/ST
Rooms: 7
Bedrooms: 4
Fam. Rooms: 1
Full Baths: 3
Half Baths: 1
Fixtures: 13
Basement: FULL
Bsmt Area: 0
Rec. Room Area: 0
Heat Fuel Type: GAS
Heat/Cooling: + AIR CON
Attic: NONE
Trim: 0
Fireplaces: 1
Stacks: 1
Owner/Occupied: Yes
Credit: No
Homestead Credit: No
Special Assessment: No

LEGEND
A: MB 1516
B: 1 FBY 0032
C: 1 STP 0036
D: 1 FG 0484

Print button

PrintForm - Microsoft Internet Explorer provided by Lake County Data Center

Print Map

Title to display on Map:
Lake County GIS - LakeNavigator

Size of Map:
 Portrait Landscape Legal Ledger
8.5 x 11 11 x 8.5 14 x 8.5 17 x 11

650 Width 650 Height

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

Note: You will need to change your printer settings (page size, orientation) to get the map to print out correctly.

Create Print Page

Refresh Map

Refresh Map

Help:
A closed group.

Help:
A closed group.



Lake County Data Disclaimer

Please Read Carefully

Lake County makes every effort to produce and publish the most current and accurate information possible. The maps included in this web site are compiled from official records, including plats, surveys, recorded deeds, and contracts, and only contain information required for government purposes. See the recorded documents for more detailed legal information. No warranties, expressed or implied, are provided for the data herein, its use or its interpretation. Lake County and their employees assume no responsibility for the consequences of inappropriate uses or interpretations of the data. Any person that relies on any information obtained from this site does so at his or her own risk. All critical information should be independently.

Property lines are graphic representations and are not survey accurate.

The parcel lines and the data attached to them are current as of May 1, 2003.

**Do you acknowledge and agree to the terms as set forth in the disclaimers above?
(click on Yes to continue or No to return to county home page)**

YES

NO

Lake County assumes no legal responsibility for the information contained on this map. Users noting errors or omissions are encouraged to contact the Lake County [GIS Department](#).

Map Inaccuracies



(Actual email)

-----Original Message-----

To: Lake County

I was on your website viewing the data that you have available for the above mentioned property. When I looked at the aerial map of the property using Lake Navigator, the driveway for the property appears to be on the adjacent property to the west (Parcel # ____). What I need to know is if this aerial map is correct. Please e-mail me ASAP with your answer.

Thanks, Joe Citizen

-----Response-----

In a nutshell, the parcel lines are not "surveyor accurate". A surveyor will always be needed to verify property occupation in the field, which in this case would most likely show the property line along the west side of the subject driveway.

The parcel overlay of the aerial map was produced from hand drawn tax maps, overlaid onto the aerials using a Geographic Information System (GIS). The accuracy of the tax maps is not as precise as the aerial imagery (+- 1 ft.); in some areas the parcels are within a couple of feet of ground truth, e.g. recent subdivision. In other more rural areas, they can be off by many feet. The parcel's accuracy is dependent on how *good* and *recent* the survey information was when it was drafted.

I hope this helps. If you have any further questions I can be reached at 350-5943.

Dick Kotapish, GIS Director, Lake Co. GIS Dept.

Select by
rectangle,
line or
polygon

The screenshot shows the Lake Navigator GIS application interface. On the left is a legend with various map layers. At the top, a toolbar contains several icons, with the selection tool (a red rectangle) highlighted by a callout box. The main map area shows a residential neighborhood with parcel boundaries, buildings, and roads. A 'Query/Selection Results' window is open at the bottom, displaying a table of parcel information.

Query/Selection Results - Microsoft Internet Explorer provided by Lake County Data Center							
Parcels							
Rec	Parcel Number	Owner Name	Owner Address	City	Location Address	Mailing Name	
1	16-D-105-A-00-042-0	FULTON DONALD C	8820 DORAL DR	MENTOR OH 44060	DORAL DR	FULTON DONALD C	8E
2	16-D-105-A-00-007-0	TADYCH RUSSELL J TRUSTEE	6050 NORWOOD DR	MENTOR OH 44060	6050 NORWOOD DR	TADYCH RUSSELL J TRUSTEE	8C
3	16-D-105-A-00-043-0	JACOBS JAMES F III	8830 DORAL DR	MENTOR OH 44060	8830 DORAL DR	JACOBS JAMES	8E
	16-D-						

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

Lake Navigator

PARCEL SEARCH



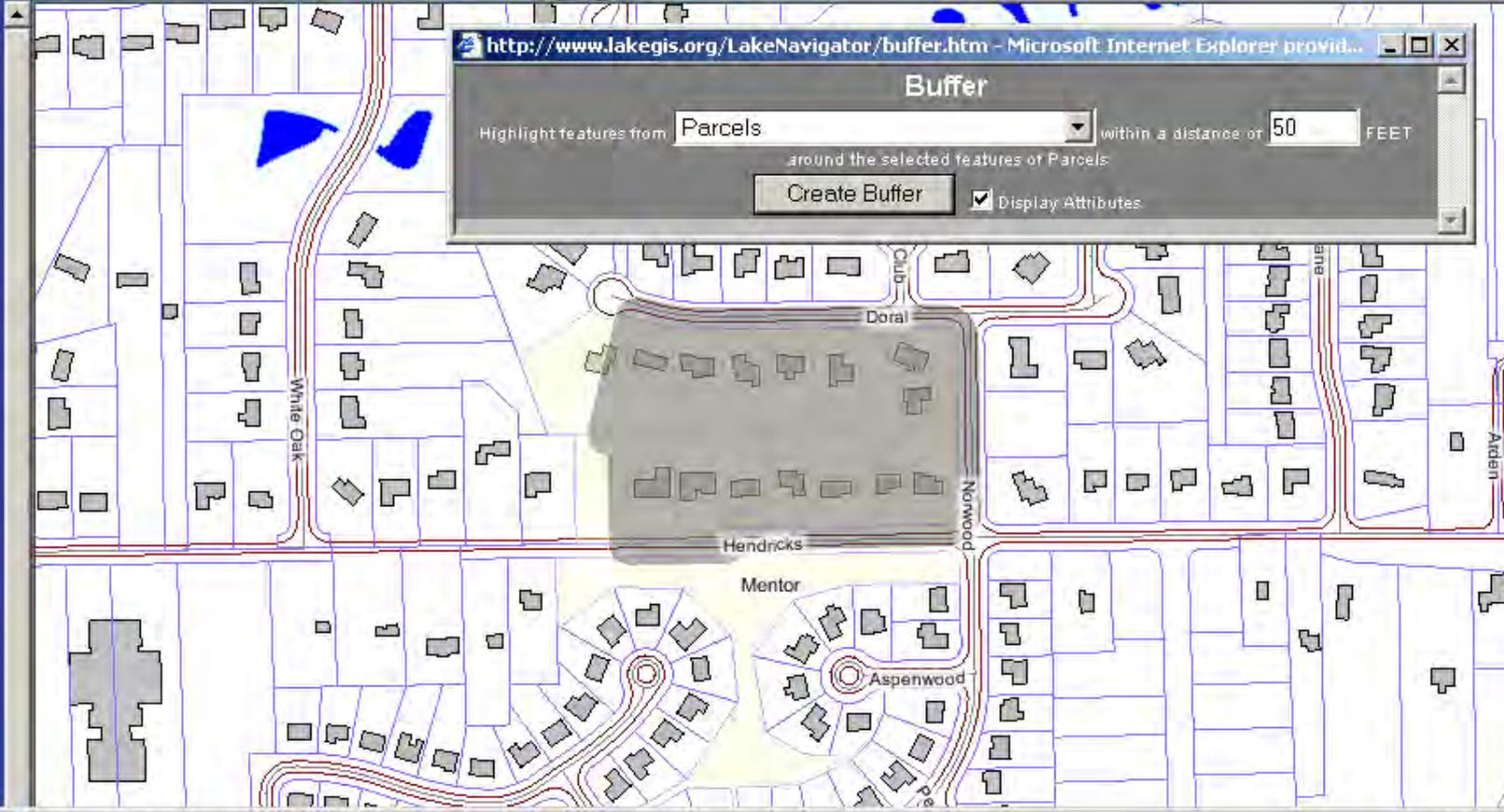
Buffer tool

- LAYERS**
- Planimetric
 - Bridges
 - Buildings
 - Centerlines
 - 2' Contours
 - Pavement Edges
 - Railroads
 - Transmission Towers
 - Cadastral
 - Parcels
 - Sublot Numbers
 - Lot Dimensions
 - Aerial Photography
 - Natural Resources
 - Lakes
 - Lake Metroparks
 - Soils
 - Streams
 - USGS Watersheds
 - Wetlands
 - 100 year Flood Zone
 - Civil

Refresh Map

Help:

A closed group.



http://www.lakegis.org/LakeNavigator/buffer.htm - Microsoft Internet Explorer provid...

Buffer

Highlight features from **Parcels** within a distance of **50** FEET

around the selected features of Parcels

Create Buffer Display Attributes

Buffer Results - Microsoft Internet Explorer provided by Lake County Data Center

Parcels								
Rec	Parcel Number	Owner Name	Owner Address	City	Location Address	Mailing Name	Mailing Address	City
1	16-D-105-A-00-041-0	ROWE LORRAINE A	8810 DORAL DR	MENTOR OH 44060	8810 DORAL DR	ROWE DANIEL	8810 DORAL DR	MENTOR OHIO 44060
2	16-D-105-A-00-042-0	FULTON DONALD C	8820 DORAL DR	MENTOR OH 44060	DORAL DR	FULTON DONALD C	8820 DORAL DR	MENTOR OH 44060
3	16-D-105-A-00-007-0	TADYCH RUSSELL J TRUSTEE	6050 NORWOOD DR	MENTOR OH 44060	6050 NORWOOD DR	TADYCH RUSSELL J TRUSTEE	6050 NORWOOD DR	MENTOR OH 44060-2107
4	16-D-105-A-00-	JACOBS JAMES F III	8830 DORAL DR	MENTOR OH	8830 DORAL DR	JACOBS JAMES	8830 DORAL DR	MENTOR OH



THE END!

LAKE COUNTY

GEOGRAPHIC INFORMATION SYSTEM DEPARTMENT

WWW.LAKEGIS.ORG