Bringing Historical Mapping Information into a Modern GIS

Clinton County Ohio GIS Department
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Clinton County GIS Program

WILMINGTON OHIO
Questions of Where and When

Knowing precisely where things are has become very important.

Knowing when things changed into what they are today is becoming equally important.
Outline:

- Long, Long Ago
- Way-Back
- Not-So-Way-Back
- Yesterday
Long Long Ago...

GLACIERS

ELEVATIONS
Clinton County showing Native American Structures
...Rectified in our GIS System

Scanned Image and Aerial Photography in ArcMap
The Magic of an Ancient World Gone Virtual
What Have We Done?

We have made available on our GIS Department Web Page...

- Old Aerial Photography
- Tax Maps
  - PDF Maps
  - Google Earth Available - Rectified Images
- Road Maps
- Zoning Maps
- Precinct Maps
- Industrial Air Park i.e. DHL / ABX
- Property Surveys
- Sanborn Fire Insurance Maps Access
- Fire District Maps
- Infrastructure Maps
- Cemetery maps

Lots of Stuff
Not-So-Way-Back...

Old Aerial Photography

Click on a year to Explore that years' data:

- 1950
- 1962
- 1971
- 1980
- 1998
- 2000
- 2005
- 2007
- 1988
- 2003
- 2008

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MrSID File Format
Imagery

OLD - Archived

Rectified Cowan Lake & Caesar Creek

Non Rectified MrSID FILES

Grid in ArcMap

Exported to a KML File

Attribute that is a hyperlink
1951 Scanned Aerial Photography
Imagery ... Compare New with Older

Linked to Grid in Google Earth...
Most of our old photography is available in MrSID format in our GIS Scanning, orthorectifying, importing / exporting, saving, clipping, converting.
Tax Maps Through the Ages!

So what?

Some tax maps we have date back to 1859:
  Who owned this property way-back when???

This parcel line changed between 1910 and 1935 – why?
  The map may not tell you WHY it changed, but…
  It could give you some clues to know where to look!

Great tool to use when conducting property research

Great for Genealogical Research
  Bradford County 1816 Tax Map, Elijah Merritt
Old Tax Maps

Use Google Earth to view Rectified Old Tax Maps

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List of Maps Available In PDF File Format
Tax Map of Clark Township from 1929
Specs on Scans

Typically scanned at 300 dots per inch

Tiff file format

Converted to PDF file for web page placement

PDF Files can’t be used in a GIS, but you can export images from a PDF in whole or in part and save in a file format for use in a GIS.
Use the Camera-Snapshot tool to get a clip of a small area that can then be saved to a tiff or jpg for use in GIS.
Road Maps Collection On Our Web Page

Specialized Maps

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<td>Road Map done by ODOT in 1940 showing many features</td>
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<td>Historical Map of Clinton County for the Sesquicentennial Observance 1953, Front and Back</td>
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<td>Road Map from June of 1960 showing “Haul Roads”</td>
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<td>Ohio State Map, unknown year, showing population of each township and village for Clinton County from 1940 through 1980</td>
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Folded County Road Maps
Road Maps Collection

1916 Map showing Road Types
Road Map from 1932
1940 Road Map

Shows many interesting features of historical significance…
Zoning Maps

Allows people to ask questions about property that they might not normally know to ask…

1977 Sample
Precinct Maps

What Precinct WAS this?
Why did it change?
WHEN did it change?

The state asked for OLD
precinct maps this year…

Having them available at the
click of a mouse
makes things very easy.
The Precinct Page

### Archived Precinct Maps

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Industrial Air Park

My reasoning in making this data available is that potential business have a chance to see what WAS there as well as what IS there.

This information *must* help.

- Surveys
- Plot plans
- Drawings
- Infrastructure
- Current Property Map
- Aerial Photography
It’s easier to know where you’re going when you know where you’ve come from.
Scanned Plot Plans

Sample from 1958…
We could go on and on...

- Property Surveys
- Sanborn Fire Insurance Maps
- Infrastructure Maps
- Cemetery Maps
- USGS Quad Maps availability

The Web Page is VERY inexpensive, less than 1000 bucks per year, and I use it as simply and cleanly as possible.

If no one can get to our data and use it then we have failed in our mission as public servants.
Thanks for Your Time!

www.clintoncountyohgis.org