



# BOONE COUNTY PLANNING COMMISSION

## GIS Services Division

### Boone County GIS History :: 1986 – 2009

Revised: 10.20.2009

The following list is compiled by the GIS Services Division, Boone County Planning Commission:

#### 2009

GIS is used to redistrict students for the new Longbranch Elementary School.

The document hyperlinking solution is fully deployed to field users for both emergency and non-emergency agencies in the GIS Consortium.

The 2009 Tourism & Points of Interest Map won 1st place in the Map Gallery Contest at the 2009 KY Geospatial Summit.

An update of the fee schedule and associated forms is performed.

The first edition of the Tourism & Points of Interest Map is printed using a grant from the Northern Kentucky Convention & Visitors Bureau.

The document hyperlinking solution is featured in the case study guide: *Geospatial Systems That Support Emergency and Disaster Operations*, published by the Public Technology Institute and the Geospatial Information & Technology Association.

#### 2008

A document hyperlinking solution for BooneMap LT is implemented using the following documents:

- *Building PrePlans*
- *Control Points*
- *Emergency Contact Sheets*
- *Facility Liaison Presentations*
- *Material Safety Data Sheets*
- *Recorded Plats*
- *Sara Title III Plans*
- *School Crisis Plans*
- *Tactical Worksheets*

Four GIS staff members become certificated GIS Professionals (GISP) from the GIS Certification Institute.

The fourth and fifth editions of BooneMap LT (2008 & 2009) are compiled and deployed to the GIS Consortium.

An ArcGIS Server 9.2 map service for 2008 Voting Precincts is published bringing the total to seven (7).

In preparation for the 2010 Census, a Local Update of Census Addresses (LUCA) is performed for Boone County.

The final version of the Boone County GIS Strategic Plan is released. This is the first business plan since the implementation plan was created in 1994.

The Diocese of Covington joins the consortium to focus on parishioner boundaries in Boone County.

GIS is used to produce maps for the final versions of the 2006 – 2008 Zoning Update and the Central Florence Strategic Plan.



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### 2007

New aerial orthophotography is obtained. Digital orthophotography is captured for the first time.

The third edition of BooneMap LT (4.0) is compiled and deployed to the GIS Consortium.

The eighth edition of the Points of Interest & Street Map is printed.

A new internet mapping technology is introduced to Boone County when the following ArcGIS Server 9.2 map services are published:

- *Boone County Base Mapping*
- *City of Florence Base Mapping*
- *City of Union Base Mapping*
- *City of Walton Base Mapping*
- *Parks & Recreation*
- *Sex Offenders*

The following Interactive Mapping Services are added, bringing the total to twenty-one (21):

- *Boone County PVA*
- *Floodplains*

Boone County School District used GIS to redistrict students for the new Cooper High School.

GIS is used to publish the second edition of the Boone County Arboretum @ Central Park Map.

GIS is used to publish the third edition of the City of Florence POI & Street Map.

The Walton Fire District joins the consortium.

### 2006

An update of the fee schedule and associated forms is performed.

GIS is used to publish the Boone County Arboretum @ Central Park Map.

The following Interactive Mapping Services are added, bringing the total to nineteen (19):

- *High School Districts*
- *Middle School Districts*
- *Elementary School Districts*

A record total of seven (7) private entities participate in the subscription service.

The Boone County Conservation District joins the consortium.



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### 2005

A comprehensive re-design effort is undertaken to re-model all Boone County GIS layers in ArcSDE.

Database normalization principles, domain tables, and topology rules are employed to ensure data integrity.

An update of the following layers commences:

- *Address Points*
- *Arrests & Criminal Offenses*
- *Voting Precincts*

The following Interactive Mapping Services are added, bringing the total to sixteen (16):

- *Boone County Arboretum*
- *Future Land Use*
- *Parks & Recreation*
- *Sex Offenders*
- *Snow Removal*

GIS is used to redistrict students for the new Shirley Mann Elementary School.

Boone County Arboretum @ Central Park utilized Global Positioning System (GPS) technology to locate all trees and plant beds.

The first and second editions of BooneMap LT (3.2 & 3.5) are compiled. This release marks a significant change to the underlying technology that BooneMap LT is built on.

Standard map templates are created for ArcGIS Desktop 9.1.

GIS is used to publish a Boone County Cemetery map.

The seventh edition of the Points of Interest & Street Map is printed.

### 2004

New aerial orthophotography is obtained.

ESRI's ArcSDE geodatabase storage model is implemented.

The 2004 Existing Land Use and 2030 Future Land Use maps are updated using GIS.

An update of the digital flood insurance rate maps (DFIRM) commences.

Boone County Water District utilizes custom GIS application for hand-held GPS device to assist with asset inventory.

The Interactive Mapping Service for Control Points is added bringing the total to eleven (11).

GIS is used to redistrict students for the new Camp Ernst Middle School.

GIS is used to publish the second edition of the Heritage Tourism map.

The sixth edition of the Points of Interest & Street Map is printed.

GIS is used to publish the second edition of the City of Florence POI & Street Map.



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### 2003

The Boone County Public Library joins the consortium.

A subscription service is created for private entities that want to utilize GIS data.

Full deployment of the interactive mapping services begins with a total of ten (10) services made available to the public:

- *Boone County Base Mapping*
- *City of Florence Base Mapping*
- *City of Union Base Mapping*
- *City of Walton Base Mapping*
- *Airport*
- *Historic Structures*
- *Points of Interest*
- *Topography*
- *Voting Precincts*
- *Zoning Boundaries*

The Boone County Base Mapping Service is published on the Kentucky Geography Network website.

GIS is used to map preschool students in Boone County for the "Success by Six" program.

GIS is used to publish the first edition of the Heritage Tourism map.

The fifth edition of the Points of Interest & Street Map is printed.

### 2002

New aerial orthophotography is obtained.

The GIS staff is expanded from four to five people.

Boone County GIS begins the implementation of an internet map server (ArcIMS 4.0).

GIS production data is migrated from ESRI Coverage format to Geodatabase format.

The Northern Kentucky Health District and the Burlington Fire District join the consortium.

The fourth edition of the Points of Interest & Street Map is printed.

GIS is used to publish the City of Florence POI & Street Map.

### 2001

The current Parcel layer is completed with approximately 35,000 parcels.

The Kenton County Airport Board joins the consortium.

Public Safety Communications Center (PSCC) joins the consortium and provides GIS to 160 police MDTs and 40 Fire/EMS MDTs.

Development of a custom desktop application begins. This will become Boone County's flagship GIS application known as BooneMap.



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### 2000

A separate Street Map is printed for the City of Florence and the City of Walton.

The third edition of the Points of Interest & Street Map is printed.

### 1999

GIS is used to help Boone County Schools redistrict students.

The first annual User Group meeting is held.

The data library is expanded to cover sixty data layers.

Boone County GIS receives ESRI's Special Merit Achievement Award.

A new aerial orthophotography project begins, which includes updates to the following layers:

- *Aerial Photography*
- *Topography*
- *Planimetrics (streets, drainage, building footprints, & fences)*

GIS is used to produce the 1999 Existing Land Use and 2025 Future Land Use maps.

The second edition of the Points of Interest & Street Map is printed.

### 1998

A Digital Submission policy is developed and implemented.

A comprehensive update of the following layers commences:

- *Fire Districts*
- *Utility Data (Water & Sewer)*
- *Voter Registration*
- *Zoning Boundaries*

Standard GIS products are sold to the general public.

The GIS staff is expanded from three to four people.

An official GIS Data Dictionary is produced with over forty-six (46) layers.

Boone County GIS is featured at the National APA & the ESRI conferences.

The first edition of the Points of Interest & Street Map is printed.



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### 1997

New aerial orthophotography is obtained.

An update of the following layers commences:

- *Building Footprints*
- *Addresses*
- *Streets*
- *Voting Precincts*

The following agencies join the consortium:

- *Boone County PVA*
- *Boone County School District*
- *Boone County Water District*
- *Walton-Verona School District*
- *Florence Fire/EMS*

Compilation of the Parcel layer begins.

A Slope Analysis Model is completed for western Boone County.

### 1996

Phase III of the Base Mapping Program is completed.

The Florence GIS Demonstration Project is completed and a presentation is given to the partners.

A county-wide GIS proposal is developed and implementation begins.

Boone County GIS expands to three staff members.

The cities of Walton and Union join the Partnership. The new partnership now consists of the following entities:

- *Boone County Fiscal Court*
- *Boone County Planning Commission*
- *City of Florence*
- *City of Union*
- *City of Walton*

An annual GIS Work Program is developed and work activities begin.

### 1995

Phase I and Phase II of the Base Mapping program are completed.

Phase III of the Base Mapping program begins.

The Boone County Planning Commission hires their first GIS Specialist and purchases their first GIS hardware and software.

The Florence GIS Demonstration Project begins.



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### 1994

A presentation of the Boone County GIS Implementation Plan is held for the consortium. Three recommendations are given:

1. *Continue the Base Mapping Program*
2. *Conduct a GIS Demonstration Project*
3. *Expand on a County-wide Basis*

The Boone County Base Mapping program is expanded by the Planning Commission to include 3 phases:

- *Phase I (111 Sheets - 1"=200')*
- *Phase II (40 Sheets - 1"=200')*
- *Phase III (24 Sheets - 1"=400')*

The planning commission forms an "Expanded Partnership" for the Base Mapping Program that includes the following:

- *Cincinnati/Northern KY Int'l Airport*
- *Boone County Water District*
- *Boone County Public Works*
- *Sanitation District #1*

The Boone County GIS Advisory Board is created by the Planning Commission to oversee the Florence GIS Demonstration Project.

### 1993

The Boone County Planning Commission hires GRW Aerial Survey, Inc. to develop the Boone County GIS Implementation Plan.

### 1992

The Boone County GIS Consortium is formed by the Planning Commission. The consortium consists of the following entities:

- *Boone County Fiscal Court*
- *Boone County Planning Commission*
- *City of Florence*
- *U.S. Soil Conservation Service*
- *Florence Water & Sewer Commission*
- *Boone County Water District*
- *Boone County PVA*

### 1991

The Boone County Fiscal Court purchases the existing mapping from the Sanitation District #1.

### 1990

Recognizing the need for GIS, the Boone County Planning Commission approaches Judge/Executive Bruce Ferguson about GIS. The Planning Commission proceeds with investigating GIS and its applicability to Boone County as a planning tool.

### 1986

City of Florence (Boone County's largest city) begins acquiring digital base mapping from GRW Aerial Survey, Inc.