



BOONE COUNTY PLANNING COMMISSION

GIS Services Division

Arboretum GIS/GPS Mapping

Project Summary – 01/20/10

The Boone County Arboretum is a 120-acre facility located in rural Boone County, Kentucky and is open to the public. The facility is unique in that it integrates active recreation (baseball diamonds and soccer fields), passive recreation (walking/jogging trail, and wildlife observation areas) and an arboretum. The arboretum consists of over 1,300 individually identified trees and shrubs, more than 200 managed plant beds, 8 featured points-of-interest, and an abundance of wooded and natural areas. According to the Boone County Arboretum website, it is “the nation’s first arboretum within an active recreation park setting”.

There are approximately 41,000 linear feet of underground irrigation lines and sprinklers at the arboretum (the equivalent of 8 miles if laid end-to-end). The irrigation system helps to ensure that the valuable investments at the arboretum will continue to live, even during drought-like conditions.

To better manage the constantly changing facility, the arboretum has implemented a combination of GIS and GPS technologies under the guidance of the Boone County Planning Commission’s GIS Services Division. This allows the arboretum to continuously update their inventory of trees, shrubs, plant beds, trails, woods and wetlands year round. There are two major outcomes of this project. The first is the Arboretum Map; a PDF of this map is available online at www.bcarboretum.org. The second outcome is an ArcIMS site available at www.boonecountygis.com that gives users the most current view of what is available at the arboretum. The following sections will outline in greater detail the various aspects of the Arboretum GIS/GPS Project. Much of the discussion will focus on the 2006 project, while the 2007 project will be mentioned occasionally.

This is a working document and will be updated periodically.

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