

**PROJECT:** Trails and Resource Management Plan, Myles Standish State Forest; Plymouth, MA

**CLIENT:** MA Department of Environmental Management

Epsilon used GPS technology to ground-truth an existing vegetation cover map for this 15,000 acre state park in Southeastern Massachusetts. A field sampling plan was derived in GIS, consisting of a series of transects, stratified by cover type, that were sampled via GPS. The revised cover map, along with a host of environmental resource and trail network data, were provided to the State through a series of large format maps.



**PROJECT:** Arnold Arboretum Institutional Master Plan; Boston, MA

**CLIENT:** The Arnold Arboretum of Harvard University

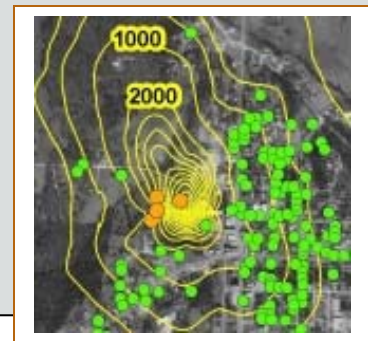


As part of the development of an Institutional Master Plan (IMP), Epsilon’s GIS group is updating and improving the Arboretum’s existing AutoCAD base plan, a database detailing the historic, physical, and infrastructure-related resources in the park. Epsilon is working to convert CAD layers into GIS format, update all map layers with current information, and produce metadata to track data updates & manage the database more efficiently. Epsilon is also producing a suite of detailed map products to be included in the IMP document.

**PROJECT:** Air Quality Modeling of Emissions, Various Locations

**CLIENT:** Confidential Clients

Epsilon’s GIS team has worked on a number of projects to evaluate the geographical extent of pollutant transport of air emissions, often to calculate the impact on residential and environmental receptors. Data from a variety of air quality models, including ISCST3, AERMOD, and CALPUFF, are converted into GIS format and combined with existing GIS datasets for analysis. The example shown depicts pollutant deposition contours, generated by ISCST3 and converted using SURFER contouring software, to illustrate contaminant deposition in reference to mapped residences.



**PROJECT:** Lucent Technologies Re-Development Project, North Andover, MA

**CLIENT:** Huntress Associates



Epsilon delineated wetland resources for the 150+ acre former Lucent Technologies property in North Andover. Hundreds of GPS data points collected in the field were downloaded and organized in GIS. Wetland lines, offset lines, and features of interest were generated and plotted on existing aerial photography.