

# Fall 2009 Advanced Topics GIS Workshops

## Making Geodatabases Work for You

Oct 16 - 9am to 4pm  
NH Fish & Game Department, Concord, NH

**Topics covered:**  
geodatabase formats and anatomy  
personal and file geodatabases

**\$150 standard, \$110 reduced**

### Skill level: Advanced Topics

Geodatabases are an excellent file format for managing and maintaining GIS data using ArcGIS. This workshop will cover fundamentals, tools, and techniques for creating and working with data contained in Geodatabases. The workshop is focused on intermediate to advanced users of ArcView, however, ArcEditor users will also benefit.

### Participants will learn to:

create geodatabases using ArcCatalog, import shapefiles, coverages, tables and other GIS data into geodatabases, create annotation layers from labels, add domains and subtypes to help GIS editing

## Watershed Analysis

Nov 13 - 9am to 4pm  
NH Fish & Game Department, Concord, NH

**Topics covered:**  
raster manipulation, buffer analysis,  
watershed delineation, change analysis

**\$150 standard, \$110 reduced**

### Skill level: Advanced Topics

Learn how to use the Spatial Analyst extension to display and manipulate data such as the NH Land Cover, impervious surfaces, and Digital Elevation Models (DEMs). Spatial Analyst and ArcHydro will be applied to these data layers to address watershed issues, including riparian areas, watershed delineation and change detection.

### Participants will learn to:

manipulate raster data with Spatial Analyst, delineate watershed with ArcHydro and DEM's, evaluate watershed condition using land cover data, use impervious data to estimate land use change over time

## Habitat Priority Planner

Dec 3 - 9am to 4pm  
University of New Hampshire, Durham, NH

**Topics covered:**  
delineation of important habitat areas  
interactive decision making in GIS

**\$150 standard, \$110 reduced**

### Skill level: Advanced Topics

The Habitat Priority Planner is an ArcGIS extension created by the NOAA Coastal Services Center used to make decisions about land use, conservation, and restoration. This workshop will familiarize participants with all aspects of the Habitat Priority Planner and provide hands-on exercises to explore the tool's functionality.

### Participants will learn to:

use common land cover data sets to classify habitats, apply landscape and custom analyses, prioritize habitats for land use management action, apply the Habitat Priority Planner to any raster data set

**SPACE IS LIMITED - REGISTER EARLY**

### Course info and registration online:

<http://extension.unh.edu/GISGPS/GISGPS.htm>

### Workshop locations:

NH Fish & Game Department, Concord, NH  
University of New Hampshire, Durham, NH

Note: If you have special needs that need accommodation, please contact us 2 weeks in advance. UNHCE is an equal opportunity educator and employer. University of New Hampshire, U.S. Department of Agriculture, and NH counties collaborating.

