

# Judy Colby-George

## Career Summary:

2001 – Present *Principal, Spatial Alternatives, Yarmouth, Maine*

Principal of geographic information systems consulting firm specializing in planning and environmental applications.

1991-2001 *Geo-Systems, Yarmouth, Maine*

GIS analyst for a small geographic information systems consulting firm.

## Education:

M.S., Land Resources, University of Wisconsin-Madison, 1996

Degree program focusing on GIS and Coastal Planning

Master's Thesis: Developing an Integrated Marine GIS for the State of Maine

B.S., Geography, University of Wisconsin-Madison, 1989

## General Professional Experience:

- Twelve years experience in the GIS field ranging from creating and updating GIS datasets, development of customized interfaces, and providing detailed analysis to solve client problems.
- Six years of experience created customized training to meet client needs.
- Ten years of experience working with municipalities using GIS data to enhance decision making.
- Extensive experience preparing maps for public presentation.
- Extensive experience customizing ArcView to meet client needs and add functionality.
- Use of CommunityViz software to assist municipalities in visualization and analyzing different growth strategies.
- Development of needs assessments to guide the implementation of GIS technology.
- Broad knowledge of GIS and related technologies for application to planning and environmental issues.

## Software Expertise:

ArcGIS

ArcView/Avenue Programming

Spatial Analyst

3D Analyst

CommunityViz

ArcInfo

ArcCad

AutoCAD

Access

Visual Basic

## Professional Organization Memberships:

Maine GIS Users Group

URISA

## **Project Experience:**

### **Town of Falmouth**

Participation in community master planning process. Used CommunityViz software and other GIS tools to assist a citizen advisory panel in decision making about a variety of development options.

### **Town of Scarborough**

Developed a build out analysis for Scarborough. Using current zoning and the parcel data to look at available land for development and determine the potential new lots which could be created under current zoning. Developed tax mapping program to produce tax maps from ArcView.

### **Town of Yarmouth**

Developed a build out analysis for the town, similar in scope to that done in Scarborough. Developed customized interfaces for Public Works to input and access data about work orders, manholes, and sewer lines. Developed zoning coverage and other data sets for the town. Work with town staff to create a number of maps used in public presentations.

### **Harding ESE, Portland, Maine**

Developed customized software applications allowing a variety of users to access chemical data results and to query the data spatially. This system has been implemented for a number of projects and used to provide analysis and mapping for a number of reports. Responsible for creating a large variety of maps for reports and client presentation.