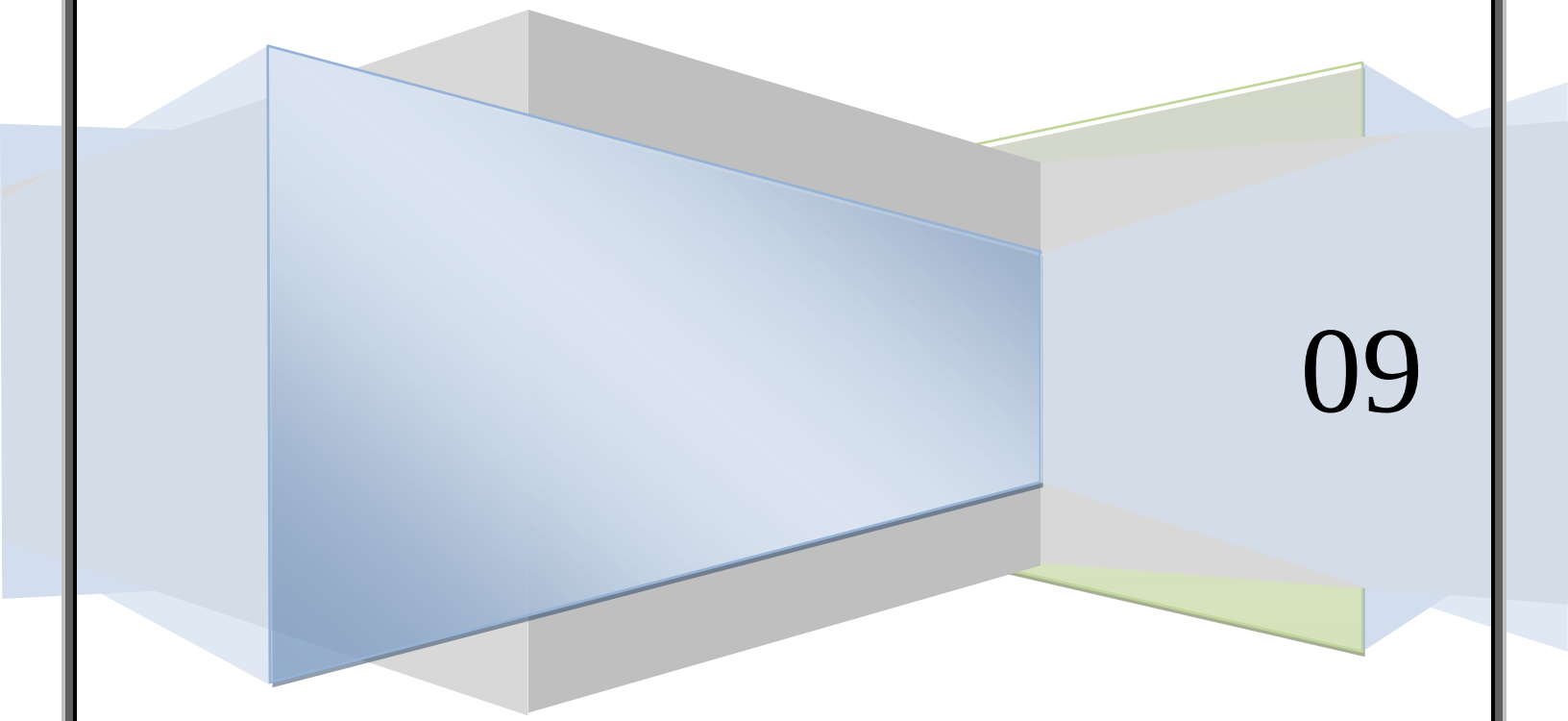
Fall Report

spatial analysis
smith college lab



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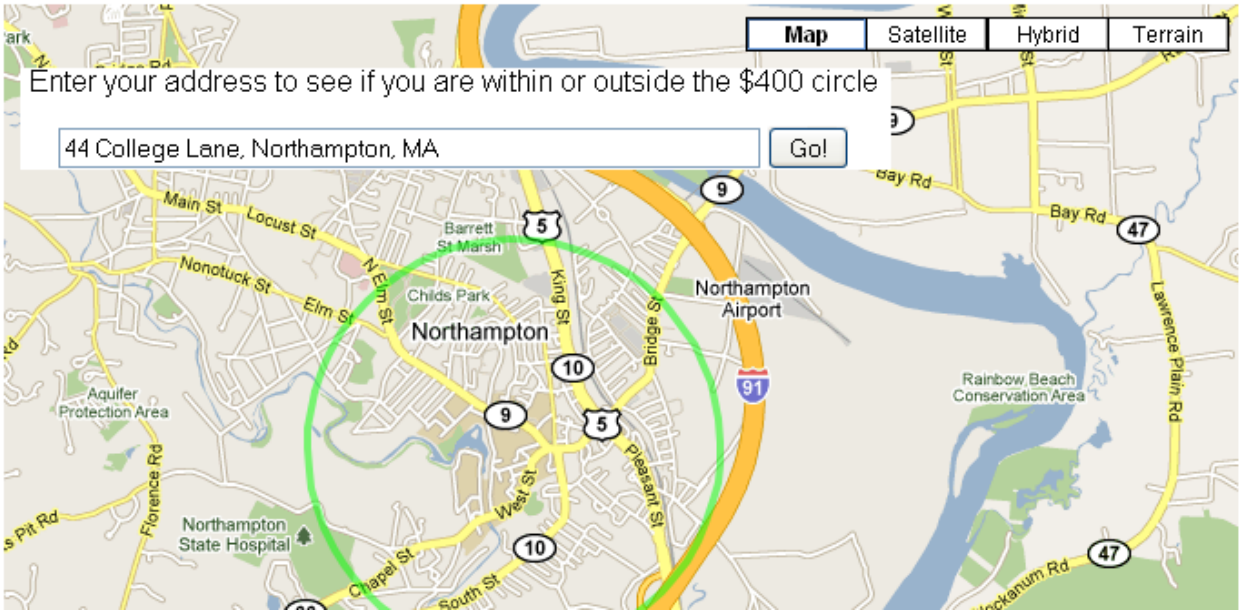


Image of Public Safety Opt-Out Parking application developed by the Spatial Analysis Lab

Initiatives

- Helped organize the "Geospatial Technologies in the Liberal Arts" Conference at Skidmore College, Saratoga Springs, NY on September 25 - 27, 2009. Co-organized two-part workshop on open source software for geospatial.
- Presented an ES&P Lunchbag: "Learning the Geographic Advantage", September 29th 2009.
- Planning Committee for the 6th annual spring NEARC conference at Smith, scheduled for Tuesday, May 11th 2010 in the Campus Center.
- Co-taught "Google Earth for the New Geographer" workshop at Washington & Lee University, on October 15th, 2009.
- Invited to participate in the Institute for Enabling Geospatial Scholarship at the University of Virginia, November 15-18, 2009.
- Awarded a CET grant to purchase additional GPS equipment ($12,900)
- Beta-Tester for ESRI's ArcGIS 9.4 software.
- Prototyping a Spatial History of Smith Campus

News of Interest

- Working with Town Northampton DPW to host their "drainage" map our Interactive Mapping Server (ArcGIS Server)
- Working with the Office of Educational Outreach to map 20 years of participants from the Summer Science program.
- Developing a learning pathways guidance document for Smith students interesting in learning and using spatial technologies.
- Purchased new Server for interactive mapping and data distribution.
- Collaborating with a California software developer to articulate how spatial data discovery tools can be used in Higher Education (VoyagerGIS)

Usage / Classes

Class Name	Course Code	Students
Making Sense of the Pre-Columbian	FYS151	17
Principles of Ecology Lab	BIO267	5
Ecohydrology	EGR315	8

Support and Service

- Finalized 2009 Northampton Bike Trails Map (with Nick Horton)
- Megan O'Connor (GIS analysis in support of her doctoral studies at Umass)
- Developed Google Maps application for Public Safety Opt-Out Parking Program
- Support Helene Visentin's Historic Paris mapping application.
- Participated in search process for the Latin American archaeology position

Faculty / Staff / *Student* Support

- Bob Burger
- Jamie Hubbard
- Elaine Chittenden
- Cheryl Obremski
- Drew Guswa
- Amy Rhodes
- Carla Cooke
- Elliot Fratkin
- Bosiljka Glumac
- Paul Wetzel
- Michael Marcotrigaino
- *Alianora Walker*

General Support

- Poster printing
- System Administration
- Programming / Scripts
- Mapping/Cartography Projects

Ongoing Program Support and Development

- Continued support for Botanic Garden tree and plant mapping
- Continued support for mapping Buddhism in the Pioneer Valley

Programmatic

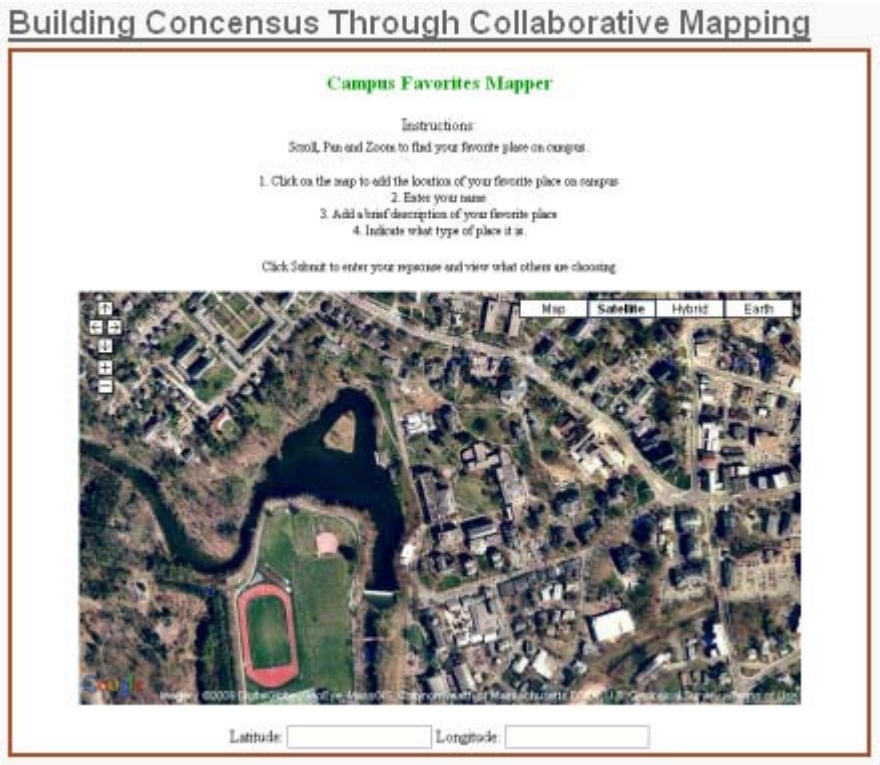
- Web Page Update and Maintenance
- System Administration (new Domain Server, Summer 2009)
- Valley GIS Meetings
- Five College GIS Meetings
- SAL Blog; Screencasts; ~~podcasts~~

Student Assistants

- Ellie Glasser ‘10
- Sarah Mottie ‘10
- Anna Cressotti ‘10

Software & Data

- Enabled license for Premium Map Service: Bing Maps
- Acquired ESRI ArcPad 8.0

This premium map offers worldwide orthographic aerial and satellite imagery. Coverage varies by region, with the most detailed coverage in the USA and United Kingdom.

Example of prototype collaborative mapping tool – used to help parking committee identify the “center of campus”