

Spring Report

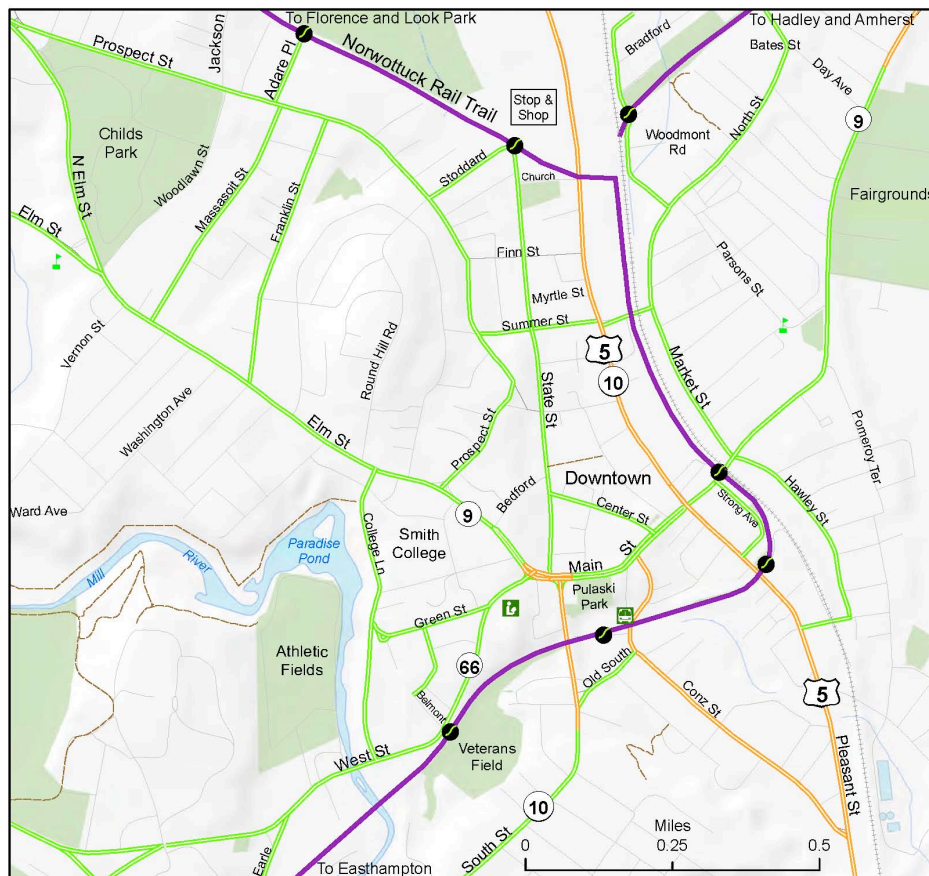
spatial
analysis
smith college lab



2011

Contents

Initiatives	3
News of Interest.....	3
Classes	4
Support and Service.....	4
Faculty / Staff / Student Support.....	5
General Support.....	5
Ongoing Program Support and Development.....	5
Programmatic.....	5
Student Assistants	5

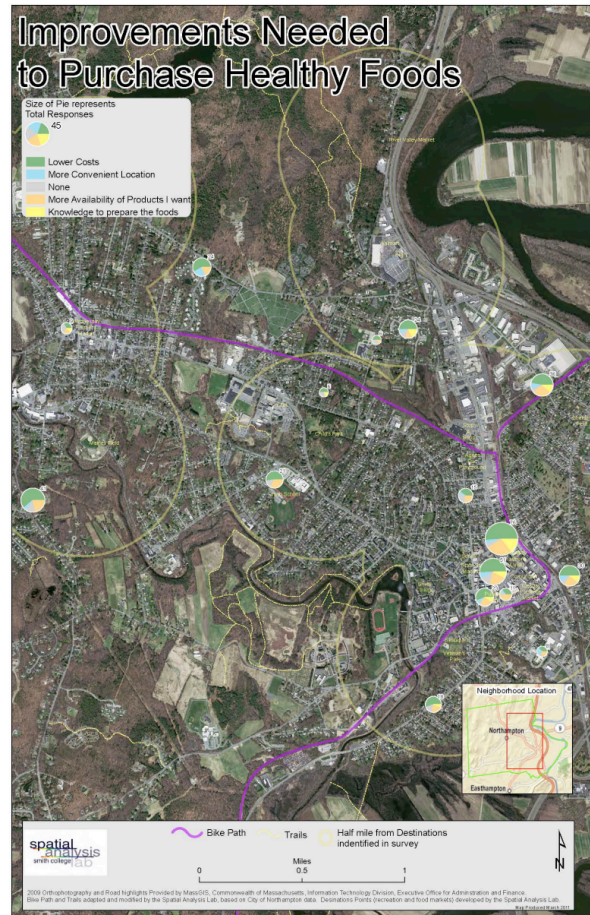


Initiatives

- Supporting Smith Alum Jeannette Quinn '09 in her efforts to map incidents of so called “neglected tropical diseases” in Gulu, Uganda.
- Negotiated, wrote, and submitted successful CET grant to purchase of 20 GPS units (Trimble Juno’s). The grant emphasized collaboration with Geosciences, which contributed 50% toward the purchase price.
- Negotiated, wrote, and submitted successful CET grant to purchase Business Analyst with Canadian data to support research by Andrew Zimbalist.
- Provided mapping and spatial analysis to Northampton’s Cooley Dickinson Hospital (CDH) and Western Massachusetts Center for Healthy Communities as part of their [2011 Community Health Assessment report](#). The maps were used during the March 23rd public meeting at the Northampton Senior Center.
- Continued participation and contribution to the Faculty Learning Communities: Data Visualization, organized by Dominique Thiebaut.
- Continue planning for the relocation of the Spatial Analysis Lab from Bass Hall to Sabin Reed Hall.

News of Interest

- Finalize planning for 6th annual spring NEARC conference at Smith College (scheduled for May 17th, 2011)



Classes

Seven classes used the Spatial Analysis Lab and its services during the spring semester.

- GEO150: Modeling Our World: An Introduction to GIS {16 students}
- GEO252: Geomorphology {17 students}
- GEO109: The Environment {22 students}
- ENV201: Environmental Integration II: Collecting and Analyzing Information {24 students}
- SOC233: Environment and Society {26 students}
- LSS/ARS389: Broad-Scale Design and Planning Studio {12 students}
- BIO273: Vertebrate Biology Laboratory {8 students}

Support and Service

- Finished the third iteration (2011 version) of the “[Easthampton ~ Northampton Trail and Bike](#)” map (with Nick Horton and [Friends of Northampton Trails and Greenways](#))
- Continuing member of the ad hoc Digital Asset Management (DAM) committee.

Research and exploration were broadened in January when we learned that the IT Strategic Plan would recommend that the college implement a digital asset management solution.

A final report was submitted to Marilyn Schuster in April 2011.

- Continuing member Digital Preservation ad hoc working group.
- Supporting Jesse Bellemare’s research to map native plants communities in the Eastern United States.
- Supported Andrew Zimbalist in his efforts to use GIS (specifically, Business Analyst) to quantify the impact of market size (in its various dimensions, e.g., population, income, number of large corporations) on the economic performance of sports teams.
- Mentored over half dozen students on research projects related to Collaborations 2011. Several students were in ENV201, some from LSS/ARS389, some were involved in special studies.
- Supported all 16 students in GEO150 with final project work.

Faculty / Staff / Student Support

- Bob Burger
- Andrew Zimbalist
- Elaine Chittenden
- Greg White
- Jesse Bellemare

General Support

- Poster printing (Collaborations)
- System Administration
- Programming / Scripts
- Mapping/Cartography Projects

Ongoing Program Support and Development

- Continued support for Botanic Garden tree and plant mapping
-

Programmatic

- Web Page Update and Maintenance
- System Administration (new Domain Server, Summer 2009)
- Valley GIS Meetings
- Five College GIS Meetings
- Purchasing and Budget
- Software License Administration

Student Assistants

- Jewels Rhode '11
- Wei Xin '13
- Brittany Innis '13