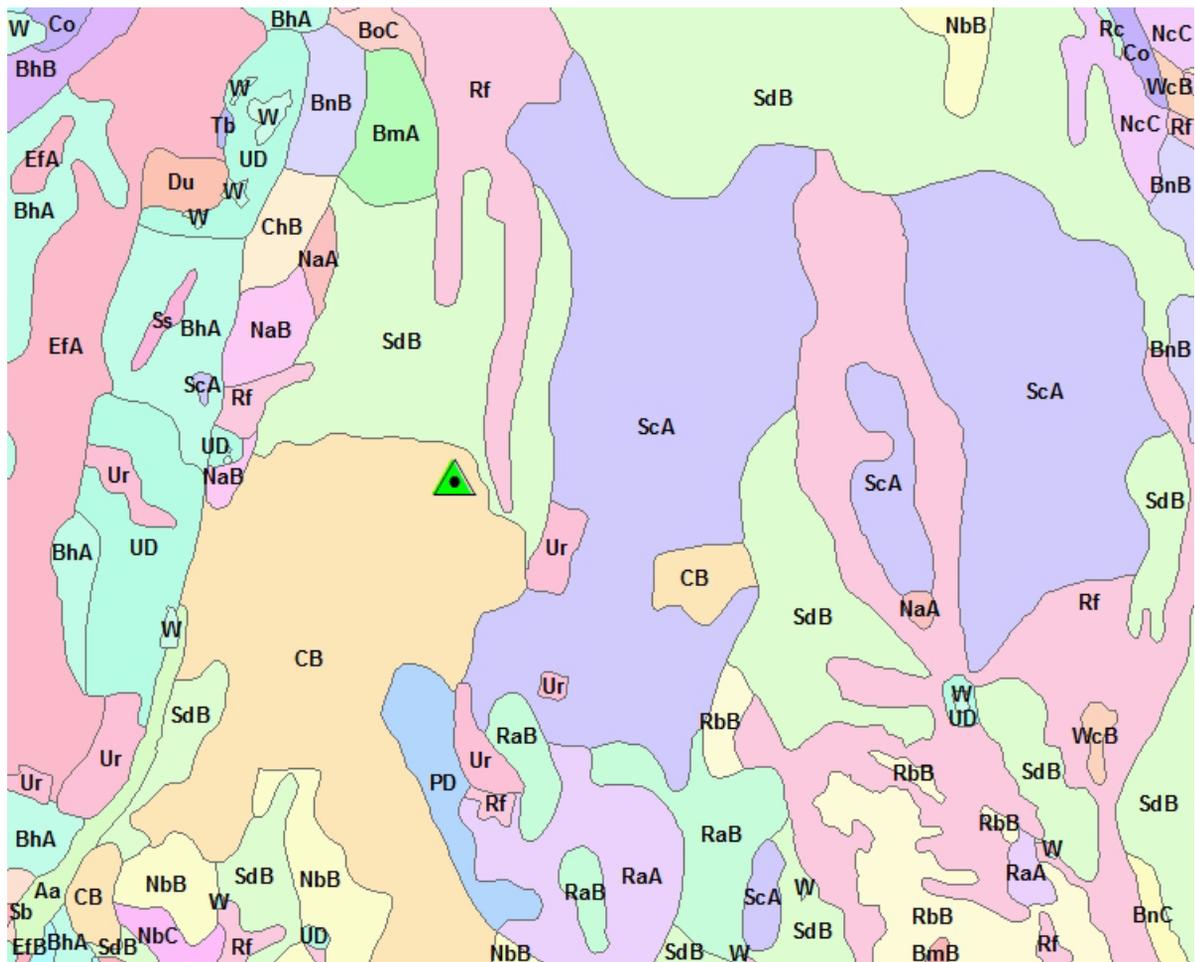




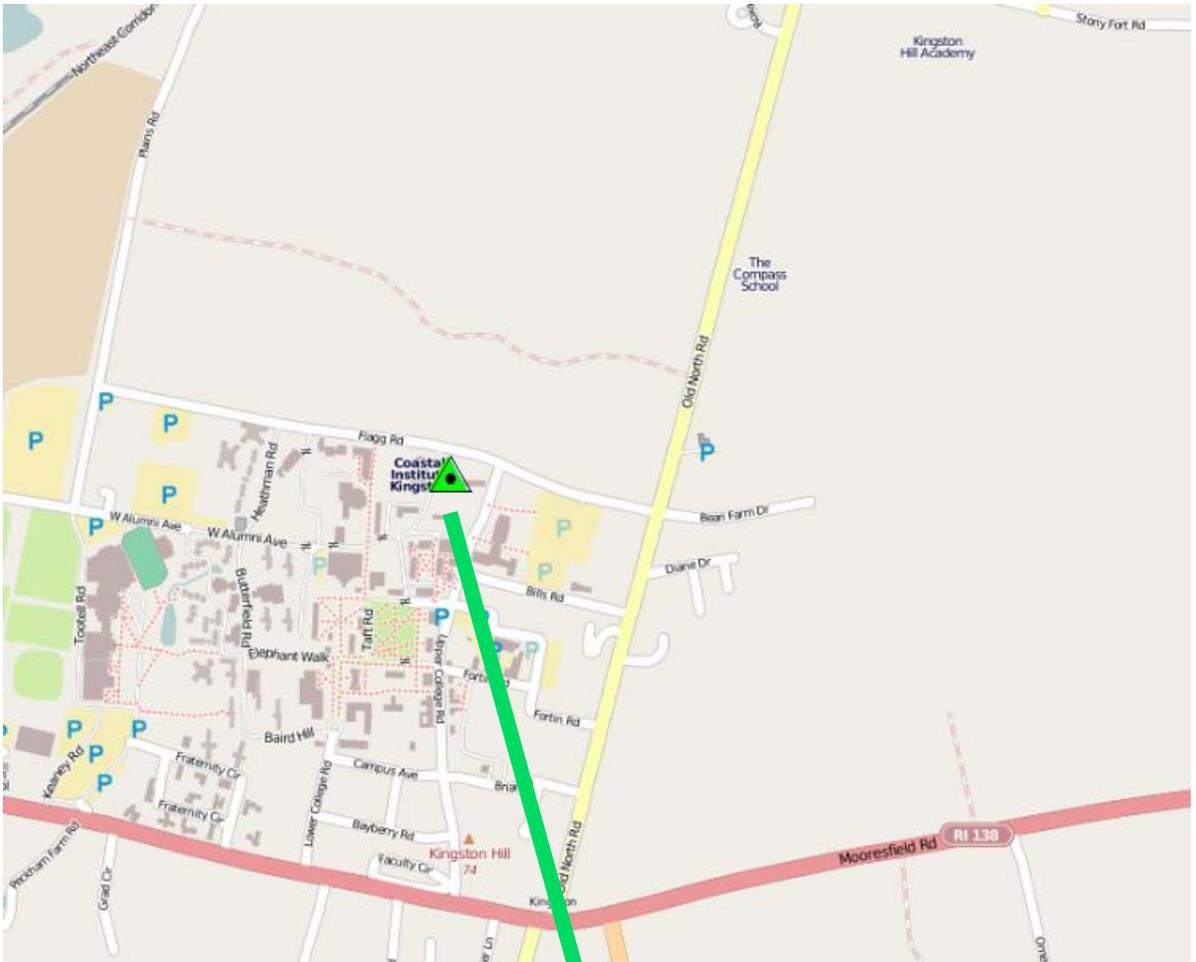
Honk If U  SSURGO!

This Car Visited The Birthplace of SSURGO RI

The Birthplace of RI Digital Soil Survey



The Birthplace of RI Digital Soil Survey





Creating a Digital Soil Survey

1985 – Ev Stuart (USDA SCS) starts recompilation to USGS topo base

– Digitizing begins at URI

Ev Stuart

A RI Soils Legend



Soils and Wetland Coverages Under Development

A year from now the RIGIS database will be much richer. A major effort is underway to add to the RIGIS database boundaries and classification of wetlands and soils in Rhode Island. The location of public open space, and sensitive or unusual flora and fauna will also be added to the system.

One of the immediate motivations to develop these data is to improve the quality of land use decisions made by local and state governments.

Recent legislation in Rhode Island directs each town government to produce an acceptable, comprehensive land use plan by 1990.

Soils, wetlands, and open-space data are

Graduate students Q. Kellogg, Clare Stone, and Mike Boyd digitize a map.

Photo by Cynthia Y. Faria



essential in determining which of our valuable land resources we can afford to develop and which need be preserved. These data are also useful to members of the academic community studying ecology.

The soils data layer will be assembled with the help of the Soil Conservation Service using information previously collected for the R.I. Soil Survey. The wetlands information will be developed from current aerial photographs. Andrew MacLachlan will coordinate the development of data by the EDC.

- URI soils student Saiping Tso digitizes 5 quads under watchful eye of Bill Wright
 - ✓ 1 quad = 2,500 polygons = 100 hours labor
 - ✓ Hope Valley quad sent to ESRI for scanning
 - ✓ \$1.00/polygon, still requires 40 hours labor for coding, cleaning
- Ev still recompiling
- Jackie Pashnik, Jim Boyd, Q Kellogg, and Clare Stone digitize rest of state for landfill siting project

Soils Map Data Layer Nears Completion

By Everett Stuart

The task of digitizing the soil maps from the Soil Survey of Rhode Island (July 1981, USDA - Soil Conservation Service) into the RIGIS is scheduled to be completed by August, 1989. The soil survey contains aerial photo based maps covering all of Rhode Island and is one of the largest spatial



greatly enhanced by having the soil map data in the Geographic Information

updating the soil maps major land use change occurred since the mid the field soil mapping v pleted. New or expanded such as gravel pits, sh plazas, and major high added to the soil maps began the tedious and

Timeline

1989: Digitizing completed

1995: RIGIS data on Web

Constant: Upgrades to linework, interpretations

Ongoing: Wins Greg Bonyngre Awesome Metadata Award

[FGDC Classic](#) | [FGDC FAQ](#) | [FGDC Plus](#) | [XML](#)

Soil Survey Geographic (SSURGO) Soil Polygons for the State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

Metadata:

- [Identification_Information](#)
- [Data_Quality_Information](#)
- [Spatial_Data_Organization_Information](#)
- [Spatial_Reference_Information](#)
- [Entity_and_Attribute_Information](#)
- [Distribution_Information](#)
- [Metadata_Reference_Information](#)

Identification_Information:

Citation:

Citation_Information:

Originator: U.S. Department of Agriculture, Natural Resources Conservation Service, Rhode Island State Office

Publication_Date: 20120604

Title:

Soil Survey Geographic (SSURGO) Soil Polygons for the State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

Edition:

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Fort Worth, Texas

Publisher: U.S. Department of Agriculture, Natural Resources Conservation Service

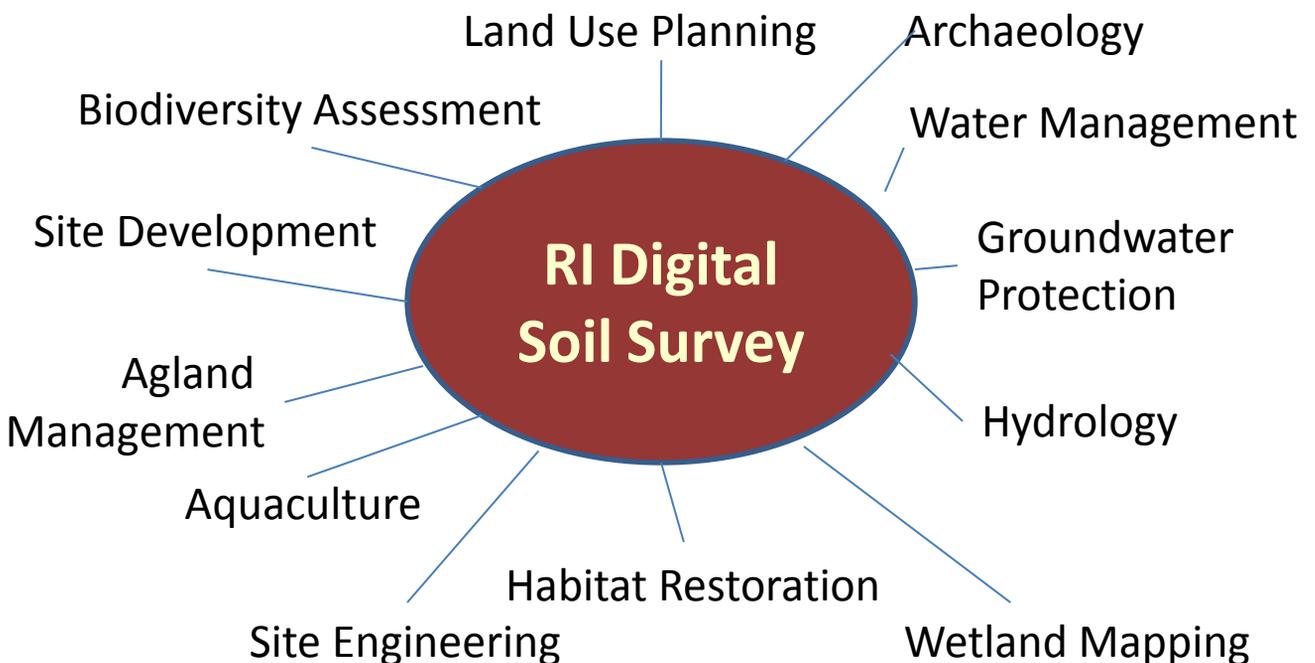
Other_Citation_Details:

Suggested bibliographic reference: RIGIS, 2012. Soil Survey Geographic (SSURGO) Soil Polygons; soils12. Rhode Island Geographic Information System (RIGIS) Data Distribution System, URL: <http://www.edc.uri.edu/rigis>, Environmental Data Center, University of Rhode Island, Kingston, Rhode Island (last date accessed: 7 June 2012).

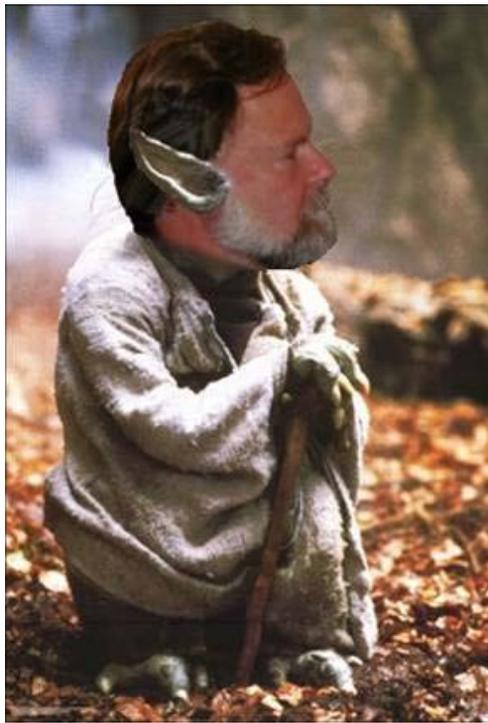
The Result



One of RIGIS's Most Heavily Used GIS Datasets



*"70 participants – this is wild. A SSWPC in large states is lucky to get 20 people to show up!"
J. Turenne, June 2012*



My Wish for the Day

Go forth SSURGO users and help NRCS make a great dataset even stronger.

May the force of an even better soil survey be with you!