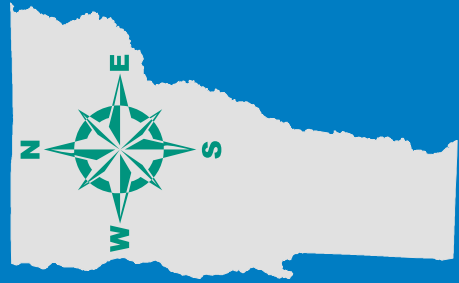


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A fresh angle on GIS and mapping news from Vermont...and the rest of the world

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# VGIS News

## Happenings At VCGI

### New and Updated Data from the VGIS Data Warehouse

#### New Data

- ClimatePrecip\_PRECIPA7100, Mean annual precipitation data for Vermont (1971-2000)
- ClimatePrecip\_PRECIPW7100, Mean winter precipitation data for Vermont (1971-2000)
- ElevationContours\_CN10T, 10 foot contours generated from bare earth LIDAR
- ElevationContours\_CN2T, 2 foot contours generated from bare earth LIDAR
- EmergencyE911\_DWARCHIVE, Historical E911 DW Archive (driveways)
- EmergencyE911\_ESITEARCHIVE, Historical E911 ESITE Archive (buildings, etc.)
- EmergencyE911\_RDSARCHIVE, Historical E911 RDS Archive (road centerlines)
- TransRoad\_SUFF01, Sufficiency ratings on State Highways 2001
- TransRoad\_SUFF03MC, Sufficiency ratings on Major Collectors - 2003

#### Updated Data

- BoundaryOther\_ANRADMIN, ANR Administrative Boundaries
- EcologicOther\_RTENATCOM, Rare, Threatened and Endangered Species & Significant Comm.
- EmergencyOther\_DAMS, Vermont Dam Inventory - extracted subset
- TransStats\_AADT, Average Annual Daily Traffic: 1990->2007 - all routes
- TransStats\_AADT8688, Average Annual Daily Traffic: 1986->1988 - Int, US, VT route
- TransStats\_AADTFUA8289, Average Annual Daily Traffic: 1982->1989 - FUA routes only
- TransStats\_AADTMC8487, Average Annual Daily Traffic: 1984->1987 - major collectors

# VT Orthophotography Transitions from VT Mapping Program to VCGI Imagery Program

*Leslie Pelch, VCGI*

The Vermont Mapping Program (VMP - within the Vermont Tax Dept.) was the original agency which oversaw the process of orthophotography development in Vermont. In 1974, the VMP was initiated with the intention of creating a uniform statewide base map in order to promote efficient municipal property tax mapping. In 1985, statewide hardcopy orthophotography coverage was completed and an updating process was started. In 1994, the first digital orthophotos were funded and developed for part of the state. With annual funding (mostly) since that time, a first vintage of digital imagery for the whole state is now available. The status of the second vintage of digital imagery is as follows:

- Chittenden, Lamoille, Washington, and Caledonia Counties (collected in 2007, likely to become available throughout the remainder of 2009)
- Franklin, Grand Isle, and Orleans Counties (collected in 2008, likely to become available throughout the remainder of 2009)
- Essex County (collected in 2009, and we anticipate that it will be made available in early 2010)
- Final section of the second vintage of imagery (Bennington and Windham Counties) will likely be collected in 2010 and made available in 2011.

As was reported in the previous VGIS News, during 2008, the VT Tax Dept. chose not to include funding for the VMP in their proposed FY 2010 budget. The VMP office has now closed. VCGI has agreed to take on certain aspects of the VMP's duties as of July 1, 2009: acquisition, archiving, and distribution of the digital orthophotos. The state archivist has taken on care of the non-digital orthophotography assets and Regional Planning Commissions and private consultants will provide printing services to those who need prints of the current orthophotos.

On or around July 1, 2009, the VCGI Imagery Program will begin making compressed orthophotos available via free download from the VCGI data warehouse web page on a tile-by-tile basis. In addition, VCGI will distribute bundles of imagery data on various appropriate media for various prices. Please see the Image Library section of the Data Warehouse web page for details after July 1. Here is the tentative list of media-based imagery products::

- By County, black and white, 1:5000, all vintages (uncompressed)
- By County, black and white, 1:5000, all vintages (compressed)
- Statewide, black and white, 1:5000, all vintages (uncompressed)
- Statewide, black and white, 1:5000, all vintages (compressed)
- NAIP, color, 1:40,000, 2003 & 2008(when available) (uncompressed)
- NAIP, color, 1:40,000, 2003 & 2008(when available) (compressed)
- Miscellaneous data, various scales, colors, vintages, compressions (includes 1:1250 from various areas of the state)
- All imagery/raster data that we have available for distribution

## Calendar

### Introduction to GIS Trainings

Offered by VCGI - Rutland in July, Montpelier in August. \$60 - details and registration at the web page: <http://www.vcgi.org/commres/training/>

### URISA's 47th Annual Conference and Exposition

Anaheim, California  
September 29 - October 2, 2009  
<http://www.urisa.org/about/anaheim>

VLCT Town Fair October 1, Barre  
Presentation about VT Orthophotography Transition, <http://www.vlct.org/eventscalendar/townfair/>

NEARC The Northeast Arc Users Group will hold its 24th Annual Conference, October 4-7, 2009 at the Radisson Hotel in Nashua, New Hampshire  
<http://www.northeastarc.org/>

**Newsflash: NAIP 2008 Imagery will be available by August of 2009 for download (compressed) and on media! Check the VCGI Web page and VGIS-L listserv for announcement soon.**



state regulation in requiring (or not) high quality mapping as a component of the permitting process as well as where to seek resources for expansion of the use of renewables. Links to descriptions and presentations can be found at the conference web page: [www.vcgi.org/greenenergy](http://www.vcgi.org/greenenergy)

## VT Enterprise GIS Consortium (EGC) Update

*Leslie Pelch, VCGI*

The VT Enterprise GIS Consortium was established to "support the ongoing implementation and management of the State's Enterprise Geographic Information System (GIS). This support will be guided by the vision and goals articulated in the State of Vermont's Enterprise GIS Strategic Plan. The Plan aims to establish a dynamic Enterprise GIS framework within state government which:

- Promotes and leverages efficient use of the state's Geographic Information Technology (GIT) resources;
- Recognizes opportunity through coordination and resource sharing;
- Promotes quality and consistency through standardization;
- Addresses data access needs;
- Enhances the effectiveness of GIS services and solutions; and
- Improves decision making throughout state government." (from Vermont Enterprise GIS Consortium Charter)

Recent activities of the EGC include the following:

- Established Enterprise GIS Data Exchange protocol.
- Initiating enabling direct access to the Enterprise GIS Data Warehouse for EGC members. This includes the ability of EGC members to connect to certain ArcSDE instances (eg: GDB\_VCGI on VCGI's data server) within GovNet; more testing/research needed.
- Initiated establishment of Master Purchase agreement with ESRI; process is ongoing.
- Established State GIS retainer contracts for GIS products and services.
- Initiated pursuit of the establishment of a GIS "career ladder" for State government employees.
- Developed Enterprise geocoding services (Beta Version).

In addition, the EGC has asked VCGI to compile information about web mapping options that state entities can implement, and to create a guide that would help such entities evaluate options. That effort should be completed by the end of the summer.

A discussion at the June meeting about training opportunities led to the sharing of the following information:

- ANR talked about how they currently provide training. They mentioned that they do not have room for additional students due to limited space, computers, and licenses. However, they are willing to share training materials (including videos).
- VTrans talked about how they currently provided training, which is more limited than what ANR does.
- Members discussed the value of sharing training materials, and that the EGC's SharePoint portal could be used to share these resources.

Members of the EGC include the following agencies and organizations: USGS, VT ACCD, VT AHS, VT ANR, VTrans, VAPDA, VCGI, VT DII, VT E 911 Board. All documents, meeting agendas, and notes are posted at the EGC web page: [www.vcgi.org/egc](http://www.vcgi.org/egc)

# VSDP News

## Next Roundtable Back in Waterbury - July 21

*Leslie Pelch, VCGI*

The next Roundtable is being planned for July 21, 2009 and will be held at the Summit Center at the State Office Complex in Waterbury. The following topics are tentatively planned. Please visit the web page for details and registration form as they become available (by June 15):

- Metadata Dos and Don'ts
- VCGI Imagery Program - Orthophotos and More!
- Open Source Web GIS: Serving Up Mapping Data Using Open Source Tools
- What Every GIS Professional Should Know About GIS Data, Accuracy, and Use
- State Data Update
- Demystifying ArcGIS Server - Examples of how it is being used
- Data Analysis I: Workflows
- Data Analysis II: Model Builder
- GeoWeb Rich Internet Applications
- GIS On the Bleeding Edge
- ESRI Users Conference Highlights
- FGIS Users Roundtable

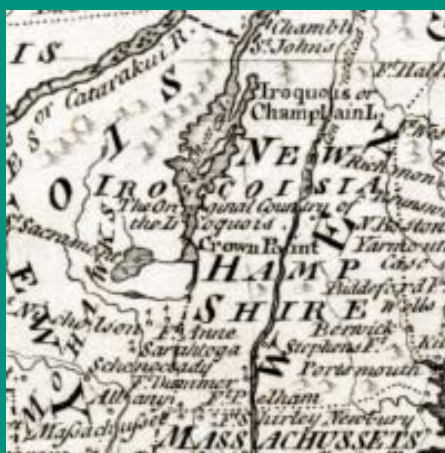
Details: [www.vcgi.org/vsdp](http://www.vcgi.org/vsdp) (then click on Events)

## Cool Stuff

### DIGITAL MAP COLLECTION FROM UNIVERSITY OF CALIFORNIA, BERKELEY

This website presents more than 5,000 maps (primarily from the 19th and 20th centuries) covering the settlement of California as well as other parts of the world, including Portugal, Kenya, Hong Kong, Iraq, and hundreds of other nations or territories. These include topographic, nautical, transportation, and thematic maps as well as aerial photographs. The maps are very high quality, and many are equipped with zoom functions allowing for close exploration of map details. Bibliographic information, including date and author, is always provided, rendering these maps useful as historical sources.

<http://library.berkeley.edu/EART/browse.html>



### UNITED STATES MILITARY ACADEMY DIGITAL LIBRARY: MAPS

The United States Military Academy Library has an impressive map collection, divided into three sections: 40 Civil War, 55 Colonial and Federal Era, and 5 from West Point. Map to the left shows detail from "A Map of the British and French Settlements in North America" from circa 1750 <http://digital-library.usma.edu/collections/maps/>

### TOUCHTABLE

Video demonstration of the "touchtable" a big LCD screen table that one uses like an iphone screen. The demonstration shows the inventor using it with Google Earth.

<http://www.pbs.org/kcet/wiredscience/video/231-touchtable.html>

### GIS FOR MACS

A couple of different clearinghouses for helpful links.

<http://freegeographytools.com/2009/gis-related-software-for-the-mac>

<http://gislounge.com/macintosh-resources-for-gis/>

### VALLEY QUEST

Valley Quest is an award-winning, place-based education program that uses treasure hunts to celebrate community, natural, history, cultural sites, stories and special places.

<http://www.vitalcommunities.org/ValleyQuest/>

# Mystery Map Contest

Last quarter's Mystery Map Image showed a sink representing a valley in Westminster West (southeastern VT). Noone figured it out!



What does the raster image above represent? Please submit your responses to Leslie at [lesliep@vcgi.org](mailto:lesliep@vcgi.org) or at the address given to the right. The winner, drawn from among the respondents who send in correct answers, will receive his or her choice of data CD: Starter Kit, Soils, NAIP 2008 (!) or Topos.

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