Sources for On-Line Public Data and Mapping

Vermont Wastewater Permit Searchable Database
All Vermont Wastewater permits from the last thirty years are available to search by Project ID, Town and owner's name (at the time of the application). Partial entries by ID or name will find all related permits. More recent permits include scanned documents of permits, plans and related paperwork.

Below is the link to search:
http://drinkingwater.vt.gov/cfm/wwdocs/permitgetform.cfm

Well Completion Report Searchable Database
Vermont licensed well drillers have been required to submit well completion reports to the state since 1966. Well tags have been required since 1986. Well logs are searchable by name, tag number, well report number and driller information.

Below is the link to search:
http://www.drinkingwater.vermont.gov/cfm/WellReportSearchForm.cfm

FEMA Mapping
FEMA has a map viewer to view flood maps searchable by address. This includes various layers including cross sections and LOMA data. There is no orthophotography available with this mapping.

Below is the link to FEMA mapping:
https://hazards.fema.gov/femaportal/wps/portal

Google Earth Maps
Google Earth is a free program that can be downloaded onto your computer. Local Stowe map layers including parcels, zoning districts and overlay districts can be added to Google Earth once you download them to your computer. Google Earth layers that can be added are in the form of .kmz files. To add them to Google Earth go to File, Open and Click on the .kmz files desired. The layer will be added to temporary places. Right click and choose Save to My Places to add it to layers that will automatically load when you start Google Earth. Various FEMA map layers for Google Earth can be found at https://hazards.fema.gov/femaportal/wps/portal/NFHLWMSkmzdownload .

To download Google Earth go to:
http://www.google.com/earth/index.html

ANR Map Atlas
The purpose of the Natural Resources Atlas is to provide geographic information about environmental features and sites that the Vermont Agency of Natural Resources manages, monitors, permits, or regulates. In addition to standard map navigation tools, this site allows you to link from sites to documents where available, generate reports, export search results, import data, search, measure, mark-up, query map features, and print PDF maps.

The ANR Atlas is probably the most useful and simple on-line mapping for those that need simple maps. A tutorial is available at the site. It can also run on mobile devices.

Below is the link to the ANR Atlas
http://anrmaps.vermont.gov/websites/anra5/

VCGIS Map Viewer
The VCGIS map service is similar to the ANR Atlas, but with additional layers and some different features. Currently it requires the Silverlight plug-in which only works with Internet Explorer. It will not run in other web browsers.

Below is the link to the VCGIS Mapping:
http://maps.vermont.gov/vcgi/vtmapviewer/

911 Map Viewer
The 911 Map Viewer is similar to the ANR Atlas and the VCGIS map viewer, but is designed for emergency services. It is the best source for the correct 911 addresses and is updated weekly with new addressing.

Below is the link to the 911 Mapping:
http://maps.vermont.gov/vcgi/vtmapviewer/

Downloading Local Layers
The local Stowe layers for zoning districts, overlay districts, and parcels (broken down into 3 map layers) are available on a Stowe mapping cloud drive. The shape file folder has the files needed to add layers to maps using shape files (.shp, .prj and .dbf files). The Google Earth folder has the files (.kmz files) needed to add local layers to Google Earth. Please note that tax map layers are derived from paper tax maps and only have limited accuracy. They are not survey-quality maps and are not meant, and should be used as, an accurate representation of parcel boundaries.

Select the files desired and click download. If you select multiple files they will be downloaded as a zip file which you then need to unzip. The link needed to access the Stowe Maps is:
http://sdrv.ms/XplvGN

Additional Mapping Sources
The Vermont Center for Geographic Information, VCGI, (http://vcgi.vermont.gov/) is the state source for Vermont's geospatial data, information, and activities. VCGI is a public non-profit chartered by the State of Vermont to assist the Vermont GIS community as well as anyone interested in geospatial technology or mapping. They also have a map viewer similar to the ANR Atlas. They also serve as the map and data storage for statewide GIS information.

There are also free mapping software programs that can be downloaded and allow you more flexibility than using on-line mapping. However, you need to learn the software packages, download the map layers, and completely set up the mapping projects. One of the recommended packages is Quantum GIS (QGIS). QGIS is a powerful and user friendly Open Source Geographic Information System (GIS) that runs on Linux, Unix, Mac OSX, Windows and Android. QGIS supports vector, raster, and database formats. QGIS is licensed under the GNU Public License. For more information and a link to download QGIS go to: http://www.qgis.org/ .

Questions
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