

Vermont Municipal Day 2019 – Web Mapping Tools Boot Camp

1. **Taking stock of the room – skills, experience, and goal(s) in:**
 - a. Introductions
 - b. Web Mapping?
 - c. GIS?
2. **Quick Overview of State GIS Data: The “Federated” Model**
 - a. Multiple steward groups (e.g. ANR, VTrans, Health, e911, etc.), all coordinating to some degree via [Enterprise GIS Consortium \(EGC\)](#), which VCGI organizes
 - b. Unified portal: geodata.vermont.gov
 - c. Nature of GIS Information:
 - i. “Datasets”
 - ii. “Services” – like Netflix, but for map info
 - iii. “Applications” – e.g. ANR Atlas, VT Interactive Map Viewer, e911 Viewer, etc.
 1. Apps are our Focus Today, which draw on underlying federated data
 - iv. Documentation – Metadata, reports, standards/guidelines, etc.
3. **A Sample of Web Applications**
 - a. Agency-Focused
 - i. [ANR Atlas](#) / [ANR Atlas-Lite](#)
 - ii. [ACCD Planning Atlas](#)
 - iii. [E911 Viewer](#)
 - b. General
 - i. [Vermont Interactive Map Viewer](#)
 - c. Task/Program/Policy-Specific
 - i. [BioFinder 2016](#) (ANR)
 - ii. [Flood Ready Atlas](#) (ANR)
 - iii. [Vermont Parcel Viewer](#) / [Status](#) (VCGI)
 - iv. [Vermont Orthoimagery Finder](#) / [Status](#) (VCGI)
 - v. [Vermont Lidar Finder](#) / [Status](#) (VCGI)
 - vi. [Tick Tracker](#) (VDH)
 - vii. [More Complete List](#)
4. **Using Map Applications in Quasi-GIS Web Apps (Geocortex Apps)**
 - a. Platforms: ArcGIS Online - AGO, **GeoCortex**, Others (e.g. Google, Mapbox, etc.)
 - b. The GeoCortex Platform: these are not desktop GIS replacements, but you can do a lot with them
 - c. Using with vs. without an ArcGIS Public Account
 - i. [Account Registration](#) (ArcGIS Public / Free Acct) ([Documentation](#))
 1. Limits on public acct’s: no publishing feature services, no layers greater than 1000 feature, storage cap 2GB, etc.
 - ii. Saving / Loading Work
5. **Demo**
 - a. Overview of Controls & Toolbar – WSYIWYG, mostly
 - i. Scale Dependencies of Some Layers – be sure to zoom in / out
 - b. Navigating an App
 - i. The Navigation Tab
 - ii. The Sidebar
 - iii. The Right-Click Pop Up
 - iv. The Attribute Table
 - c. Finding Data

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- i. Pre-loaded
 - ii. Not pre-loaded: Layer Catalog, Geodata Portal
 - d. Loading Data
 - i. Existing Layer List
 - ii. Layer Themes
 - 1. Tasks / Programs Related with Themes
 - a. ANR Themes
 - b. E911 Themes
 - iii. Layer Catalog
 - e. Selecting Data
 - f. Customizing a Map
 - i. Layer Re-ordering
 - ii. Layer Re-styling
 - 1. Transparency
 - 2. Symbology
 - iii. Layer Labelling
 - iv. Drawing Geometry
 - 1. Service Area Example
 - g. Understanding Data
 - i. Coordinates
 - ii. Addresses
 - iii. Querying
 - iv. Snapping
 - v. Scales
 - h. Sharing a Map
 - i. Email link to current view
 - i. Saving a Map
 - j. Loading a Saved Map
 - k. Printing a Map
 - i. The Print Function Pane
- 6. Some Limits – (Time for Desktop GIS...)**
 - a. No Easy Layer List Manipulation
 - b. No Custom Symbology past 12 fields
 - c. No Clipping Extents / native map graphic processing
 - d. No Geoprocessing, spatial analysis, etc.
 - e. No publishing of services, handling of large datasets, etc.
- 7. More Resources**
 - a. [ANR Atlas Orientation Videos](#)
 - b. [VCGI GIS Videos \(Youtube\)](#)
 - c. [Links to GIS Resources](#)
- 8. Contacts**
 - a. VCGI: vcgi.vermont.gov (see footer for contact info)
 - b. VT Open Geodata Portal: geodata.vermont.gov (clearinghouse for GIS data)