

Online Map Adventures at Chittenden County Regional Planning Commission

Pam Brangan, GIS Data & IT Manager
Chittenden County Regional Planning Commission



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History of Online Mapping at CCRPC

Over the past few years, CCRPC has been developing online maps for its member municipalities as well as in-house use. Some are town map viewers developed for town officials and residents to easily access data or print maps, while others are project specific. These maps have been developed using ArcGIS Server and ArcGIS Online. This presentation will focus on a selection of online maps that have been developed to address a variety of needs as well as touch on some of the difficulties encountered along the way.



Agenda

- Map Viewers
- Project Specific Maps
- Rivers, Roads & Act 250 (or More project specific maps)
- Pulling it all together/Lessons Learned



Map Viewers for Towns

- Purpose

- Provide the majority of available GIS data for a town in one map

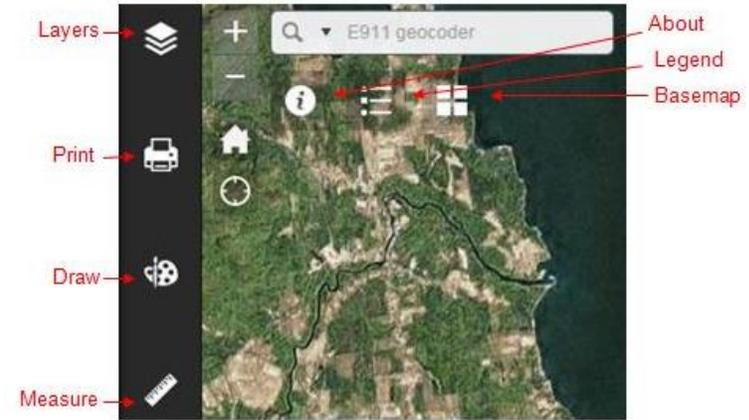
- Users

- Town staff
- Residents

- Pick a number between 1 & 6

Welcome to the Huntington Map Viewer!

Here are some tips on how to make use of this map viewer:



- Use the Plus & Minus buttons to **Zoom in and out** of the map. You can also click on the house icon to bring you back to the full extent of the village.
- The **About** icon will open up this window again.
- The **Layers** icon will open up a list of all the data within the map. You can turn layers on and off from here. Use the black triangle to the right of each layer to zoom to the viewable level, change the transparency of the layer, move the data up or down in the viewer, open the attribute table or see more details about the data.
- The **Basemap** icon allows you to change the base data from imagery to topographic (or vice versa) - this imagery was flown in April of 2013.
- The **Draw** icon allows you to draw on the map. NOTE: If you want to keep what you have drawn, you will need to print it to a pdf before closing the map.
- The **Measure** tool allows you to measure the distance or area of anything on the map.
- You can print all or part of the map to a pdf using the **Print** icon.
- The **Legend** icon will display the symbology of every data layer turned on within the map.
- You can also search for an address in the Vermont Addresses window - be sure to include Westford, VT for it to work properly.

To view the attribute data for a specific point, line or polygon, simply click on it and a pop-up window will appear. If there are photos or pdfs attached to the data, there will be a "more info" link that you click on to open the linked data.

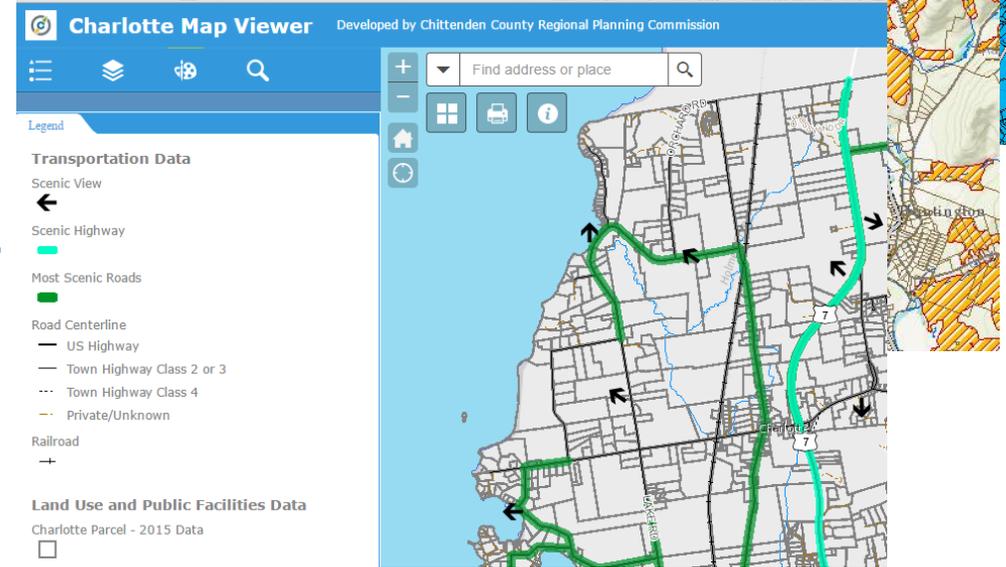
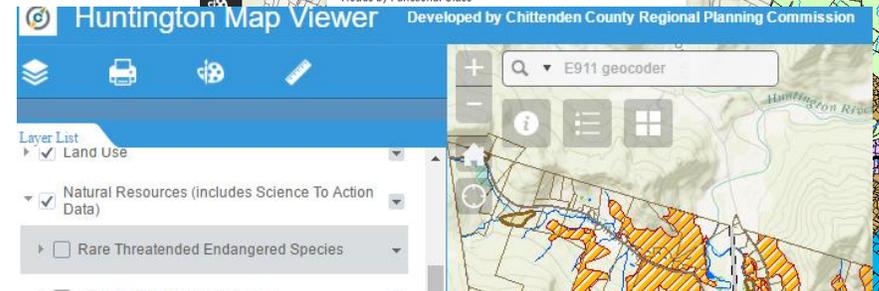
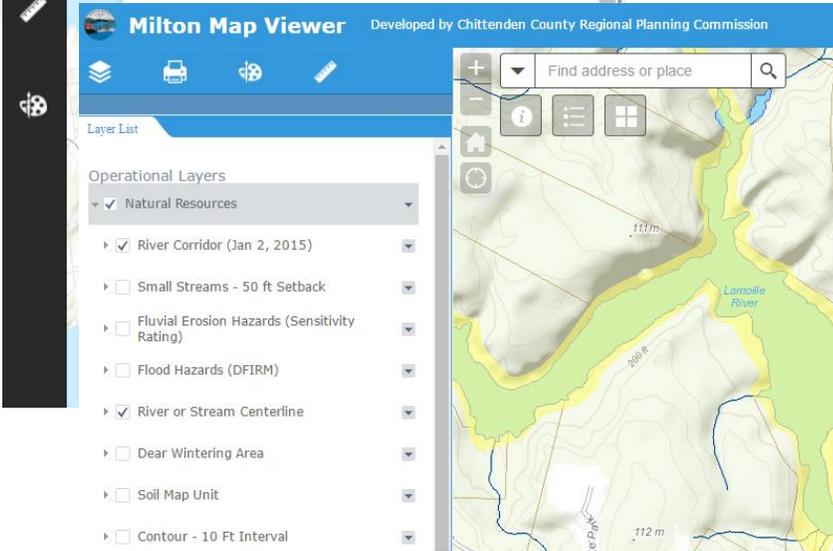
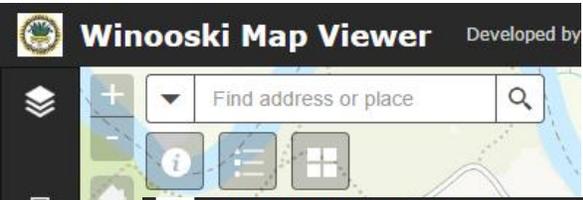
Questions? Concerns? Problems? Please send an [email](#).



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Map Viewers for Towns

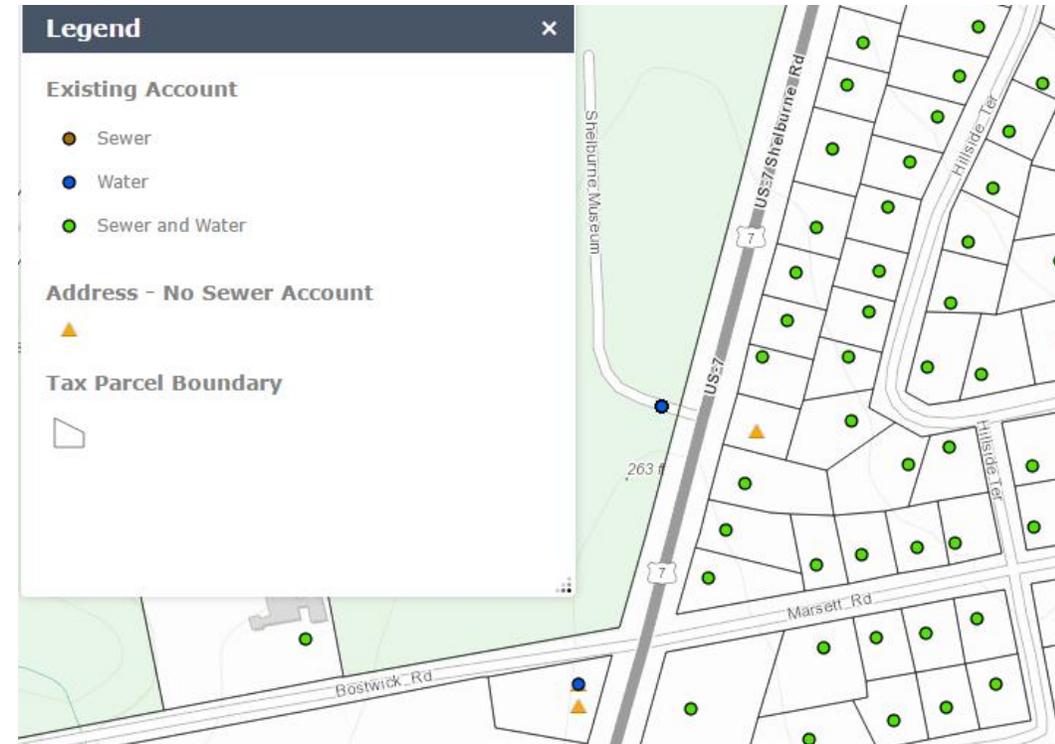
1. [Charlotte](#)
2. [Huntington](#)
3. [Jericho](#)
4. [Milton](#)
5. [Westford](#)
6. [Winooski](#)



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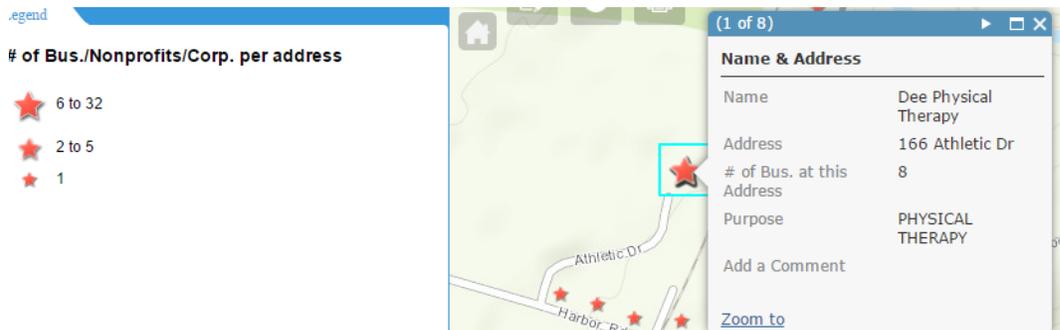
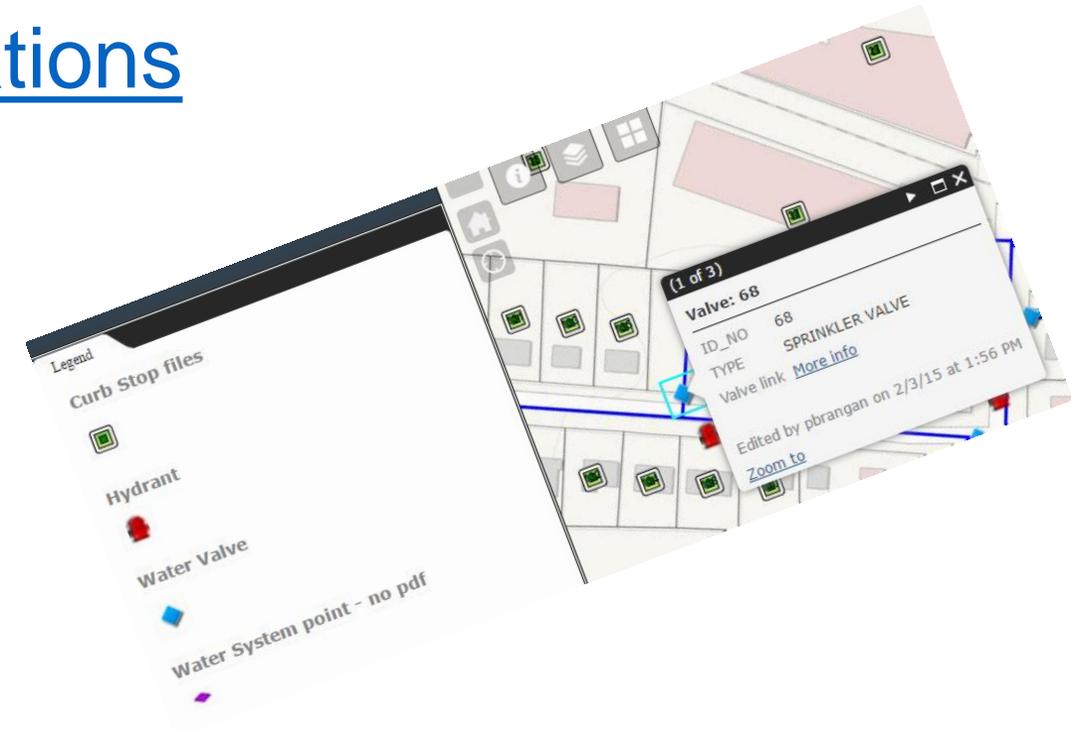
Project Specific Maps

- Purpose
 - Provide discreet data for a specific project or department
- Users
 - Town staff
 - Committee
 - Residents
- Pick a number between 1 & 4



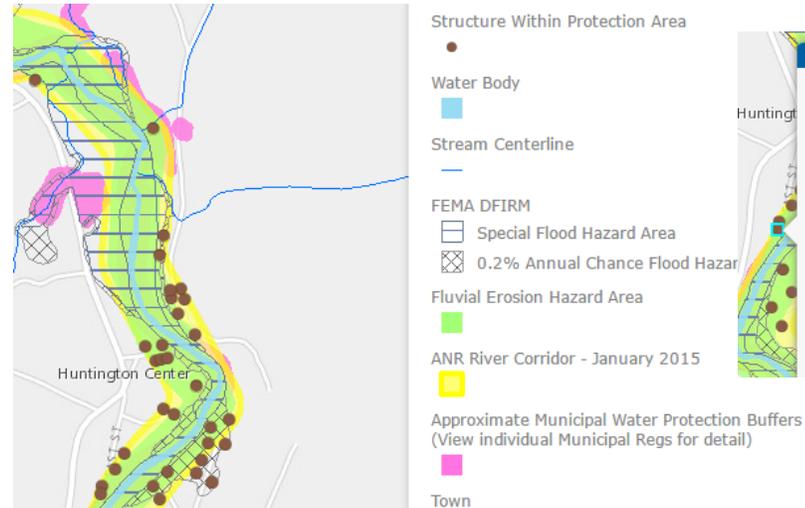
Project Specific Maps

1. [Wildlife Habitat Map](#)
2. [Businesses, Non-profits & Corporations](#)
3. [Sewer & Water Account](#)
4. [Public Works Map Viewer/Editor](#)



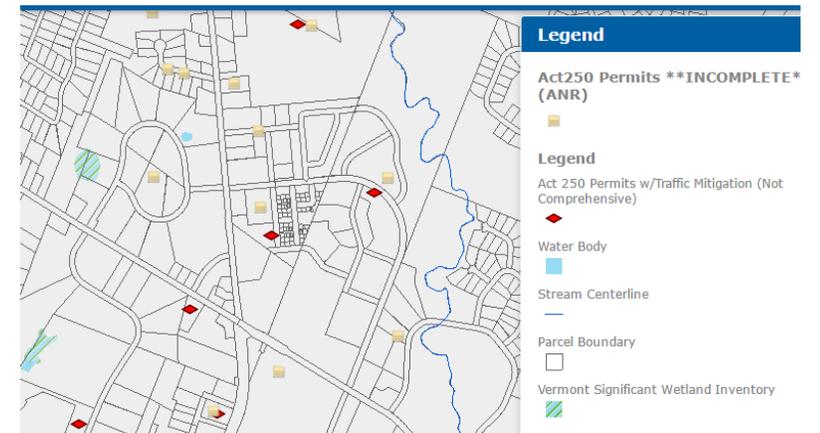
Rivers, Roads and Act 250 Maps

- Purpose
 - Variety
- Users
 - Co-workers
 - Town Staff
 - VTrans
- Pick a number between 1 & 5



(2 of 7)

Structure Within Protection Area:	
Address	172 EAST ST
Type of Structure	OTHER COMMERCIAL
Within River Corridor?	Yes
Within FEH?	Yes
Within SFHA?	No
Within .2% Chance Flood?	No
Within Municipal Protection Area?	Yes



Rivers, Roads and Act 250 Maps

1. [Functional Class](#)
2. [River Corridor Protection](#)
3. [High Risk Rural Roads](#)
4. [Risk Analysis & Hazard Mitigation – Pilot project](#)
5. [Act 250 Map Viewer](#)

Layers

Interstate and Freeway

— Interstate

— Freeway

Major Collector

— Major Collector

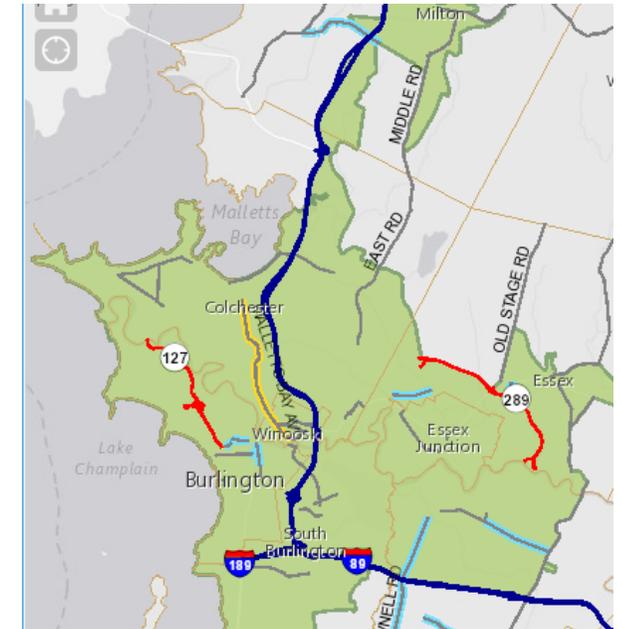
— Upgrade to Major Collector

— Downgrade to Major Collector

Town Boundary



Urban Area Boundary



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Pulling it All Together/Lessons Learned

- Production Flow
 - ArcGIS Online & ArcGIS Server
 1. Publish to ArcServer or AGOL
 2. Create map in AGOL
 3. Move final map
- Amazon Cloud
- Other map services

Log Filter: Age: Source: Machine:

Level	Time	Message	Source
SEVERE	May 4, 2016, 1:06:24 PM	Unable to process request. null	Rest
SEVERE	May 4, 2016, 1:04:45 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:04:45 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:04:45 PM	Unable to process request. null	Rest
SEVERE	May 4, 2016, 1:04:42 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:04:42 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:04:42 PM	Unable to process request. null	Rest
SEVERE	May 4, 2016, 1:03:48 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:03:48 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 1:03:48 PM	Unable to process request. null	Rest
SEVERE	May 4, 2016, 12:57:58 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 12:57:58 PM	Response already committed. Cannot forward to error page.	Rest
SEVERE	May 4, 2016, 12:57:58 PM	Unable to process request. null	Rest
SEVERE	May 4, 2016, 12:50:09 PM	Instance of the service 'CCRPC/FunctionalClass20151006.MapServer' crashed. Please see if an error report was generated in 'C:\arcgisserver\logs\SITEHOST\errorreports'. To send an error report to Esri, compose an e-mail to ArcGISErrorReport@esri.com and attach the error report file.	Server



Pulling it All Together/Lessons Learned

- Advantages of AGOL
 - Edit & analysis capabilities
 - Web AppBuilder
 - Storymaps
 - AGOL Status
- Disadvantages of AGOL
 - File size limitations
 - Symbology
 - URL
 - Credit hogs
 - Publishing (beware of tiled mapping default)
 - Geocoding

Service Editor

Connection: My Hosted Services Service Name: LASfi

Parameters

Capabilities

Tiled Mapping

Caching

Advanced Settings

Item Description

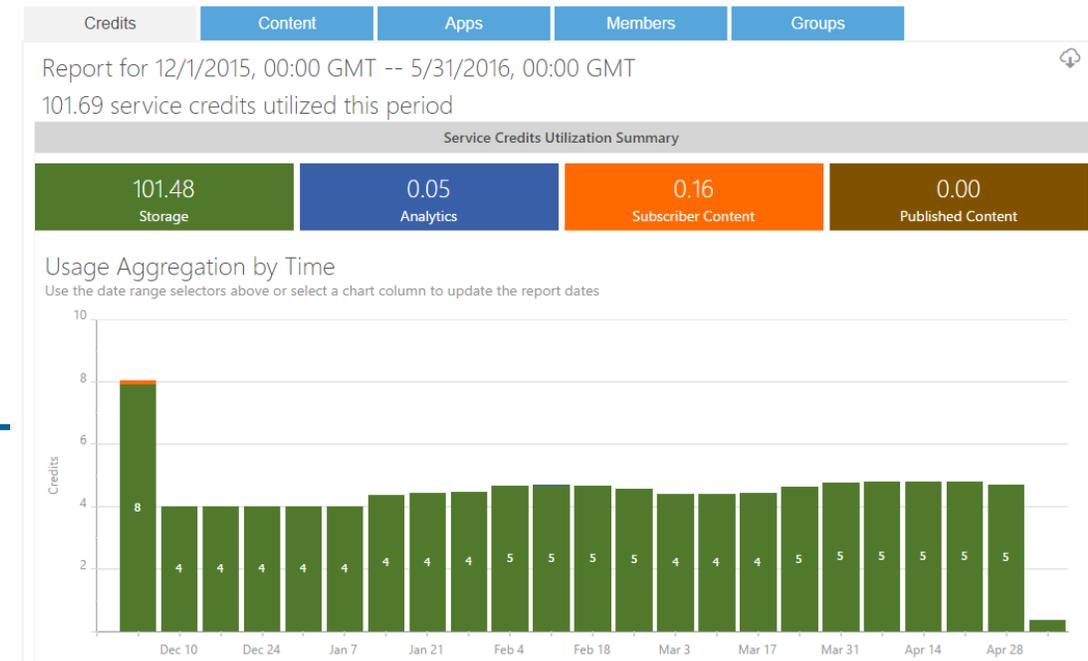
Sharing

Capabilities

Choose the capabilities yo

Tiled Mapping

Feature Access



Questions?
Thank you!

Pam Brangan
pbrangan@ccrpcvt.org
802-846-4490 *22



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