

# Guide to Hiking Trails- Help Document

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## Mouse and Keyboard Navigation

- Click and drag to pan
- SHIFT + Click to recenter
- SHIFT + Drag to zoom in
- SHIFT + CTRL + Drag to zoom out
- Mouse Scroll Forward to zoom in
- Mouse Scroll Backward to zoom out
- Use Arrow keys to pan
- + key to zoom in a level
- - key to zoom out a level
- Double Click to Center and Zoom in

## Touch Screen Navigation: (Only for Smartphones and Tablets)

- Touch and drag to pan
- Double tap or unpinch to zoom in
- Pinch to zoom out.

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Click on the trail for additional information about that trail.



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Click on the Groton Trail Seal (upper left corner) will bring you to the Parks and Recreation's website.



## Coordinate

The **Coordinate Widget** shows Latitude (**X**) and Longitude (**Y**) coordinate values on the map. The coordinate values change dynamically when the mouse pointer moves to different locations on the map. You can view the map coordinates by hovering over the map. The coordinates for this map is Connecticut State Plane NAD83, Northing/Easting.



1,217,343.145 676,943.073 Feet

To get a XY location on the map click on the star in the lower left corner. Then click on the map where you want to know the **XY** coordinates. A green push pin will appear on your map and the lower left will show the XY of that green push pin. Continue clicking the map to get more coordinates.



Click the map to get coordinates

**Note:** Coordinate information is for general location only and should not be considered survey accurate.

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## Home



The **Home Button Widget** will zoom the map to its default extent.

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## Zoom Previous Next



The **Zoom Previous Next Widget** allows you to zoom forward and backward through the map extents you have visited during the current session.

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## Zoom Slider



Click the **plus** or **minus** button to zoom in or out on the map.

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## Legend



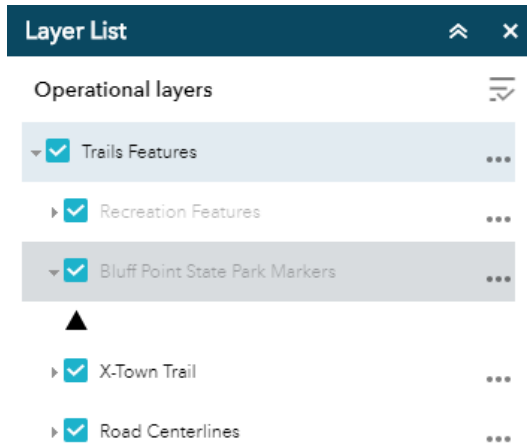
The **Legend Widget** shows the symbology of the operational layers.

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## Layer List




Clicking the **Layer List Widget** in your app displays the layer list of contents window. If the Show Legend option is checked, clicking an individual layer shows its symbols.



Clicking the three dots (...) on the right side of a layer displays the layer menu, which includes the following functions:

- **Enable Pop-up / Remove Pop-up** Enables or disables the pop-up for the feature layer. If a feature layer does not have a pop-up configured in the map, clicking Enable Pop-up shows all field values for the feature layer.
- **Description / Show Item Details** Opens the service description or the item details page for the service or the item associated with the layer, if available.

The **Control all layers** button  controls the behavior of all of the layers in the list. Click the icon to open the menu, which allows you turn on or off all the layers, or expand or collapse all the layers. Alternatively, you can use keyboard shortcuts to do so. Press Ctrl and click the check box of the layer to turn on or off the layers in the same level. Press Ctrl and click the arrow to expand or collapse layers in the same level.

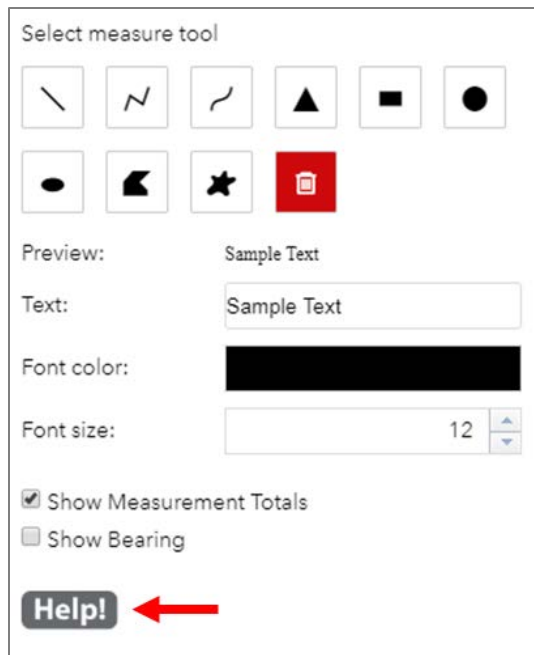
> **Layers with grayed out text means that there is a zoom extent set. Zoom in to visible range to view data.**

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## Measurement



The **Measure Widget** allows you to measure the area of a polygon, or length of a line.

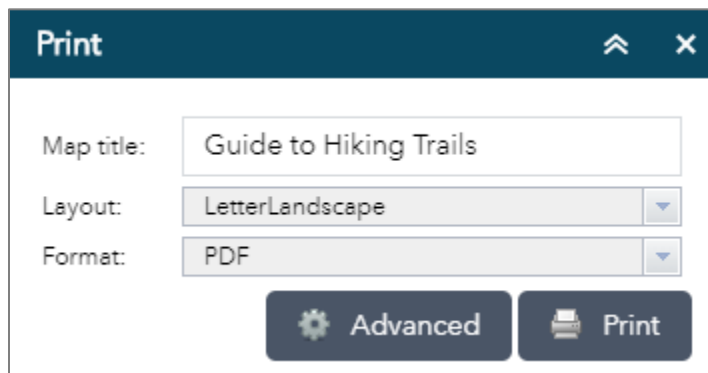


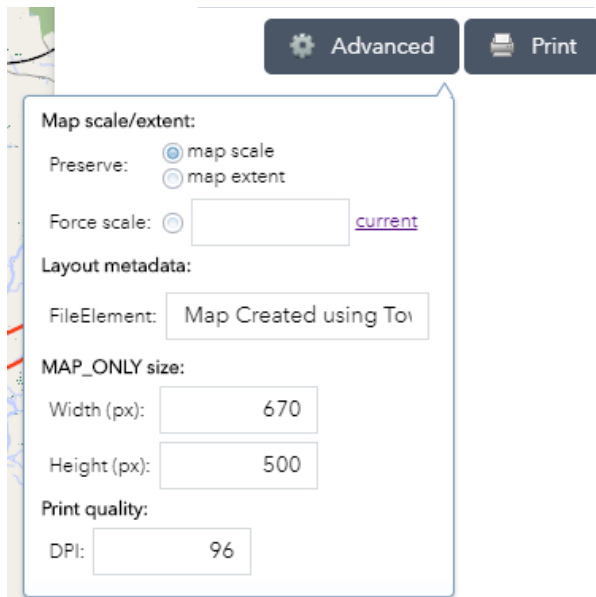
Click on the **Help!** button on the tools screen for additional information

## Print



This widget print allows the user to create a printable map. Type a title for the map in the **Map Title** text box. Select the applicable **Layout** and **Format** for the exported map.





**Format** is a preselected list of options on the Print widget. You have the following options:

- PDF
- PNG32
- PNG8
- JPG
- GIF
- EPS
- SVG
- SVGZ

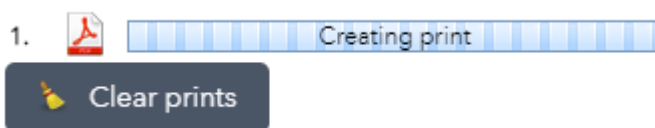
Click **Advanced** to open a menu with advanced print options.

The **Map scale/extent** section defines the method that the print service will use to calculate the printed extent of the map. Preserving **map scale** causes the printed map to maintain its scale while recalculating the extent around the existing center point. Preserving **map extent** causes the scale to adjust to fit the current map extent onto the printed map. You can also force a specific scale by checking the **Force scale** option and providing a scale. Click **current** to populate the value with the present scale of the map.

The **Layout metadata** section allows you to override the default values set by the configuration. Enter values for the Author and Copyright properties to provide current information to the print service. Check the Include legend check box to display the legend on the printed map.

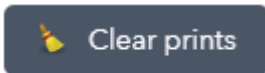
If the **MAP\_ONLY** format is selected, you can provide dimensions for the Width and Height properties in pixels. Otherwise, these values are ignored. The **Print quality** section allows you to update the resolution of the printed map. Provide an updated value for the DPI (dots per inch) in the text box.

After all options have been set with the applicable values, click **Print** to submit all information to the print service. A progress bar displays next to the executing task.



Upon completion of the print job, a link to the print output displays. Click the task to open the file in a new window.

1.  GIS Map



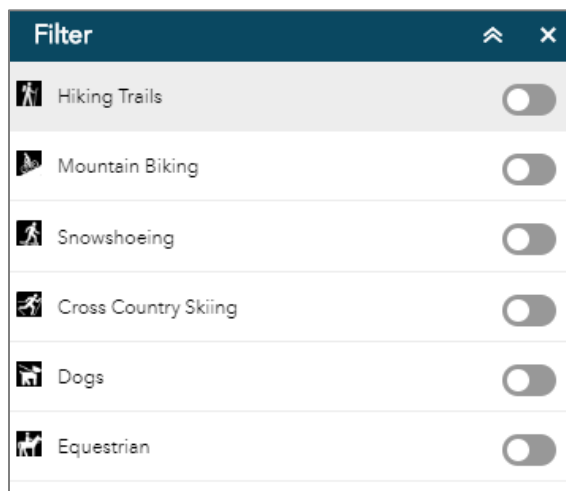
Click **Clear Prints** to clear the print history.

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## Filter



Click the filter you specify to limit features on the map. Notice that toggle button turns on after the filter is applied. Click the filter button again to remove the filtering from the map. You can also turn on and off the toggle button to apply or remove the filter.



## Draw



The **Draw Widget** lets you draw basic graphics and text onto the map. It provides basic sketching and redlining functionality for the web application. It also displays some measurements (if configured) for drawn features, such as lengths for lines, and areas and/or perimeters for polygons.

The different drawing tools are as follows:

- Point
- Line
- Polyline
- Freehand Line
- Triangle
- Rectangle
- Circle

- Ellipse
- Polygon
- Freehand Polygon
- Text

You can add a **Name** for your drawing and a **Description** of what your drawing is. Example **Name:** Tree down **Description:** Tree across trail.

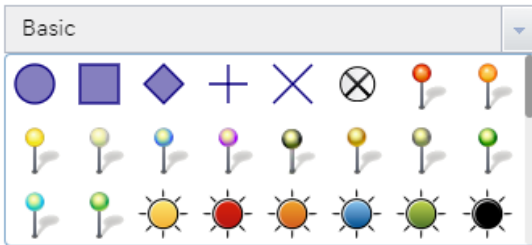
### Add a drawing

**Name:**

**Description:**

For **point symbols**, select the marker category (different symbols are available in each category), size, color, transparency, outline color, and outline width of the symbol. Only the size is available for the picture marker symbols.

Preview:



Symbol size:

Color:

Transparency:  Opaque Transparent

Outline color:

Outline width:

For **line symbols**, select a pre-defined symbol from the box. You may also customize the color, style, transparency, and width of the symbol. Click **Show Measurements** and select the **Distance Units** to display the measurement with the line.

Preview: 



Color: 

Style: Solid 


Transparency: 0%  100%


Width:   


Show distance measurement


For **polygon symbols**, select a pre-defined symbol from the box. You may also customize the fill color, transparency, outline color, and outline width of the symbol. Click **Show Measurements** and select the **Area Units** and **Distance Units** to display the measurement with the polygon.





Preview: 



Color: 

Transparency: 

Outline color: 


Outline width:  

Show area measurement

Show distance measurement


For **text symbols**, enter the **Text** to be drawn, and select a font color and size for the symbol.


Select draw mode



Preview:

Text:

Font color: 

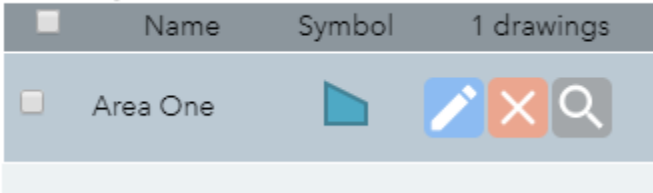
Font size:  

Click **Cancel** to get out of Add a Drawing screen.

Under the **Drawings List Tab** is where you will find your drawings. You can **Update your drawing** by click on the blue pencil, **Delete your drawing** by clicking on the orange X and you can **Zoom to your drawing** by click on the gray magnify glass. Every time you open the app your

draw will be saved under the Draw tool. In order to view you existing drawing you have to click on the Draw tool and go under the Drawing List Tab. Your drawing will stay until you delete it.

### Drawings list

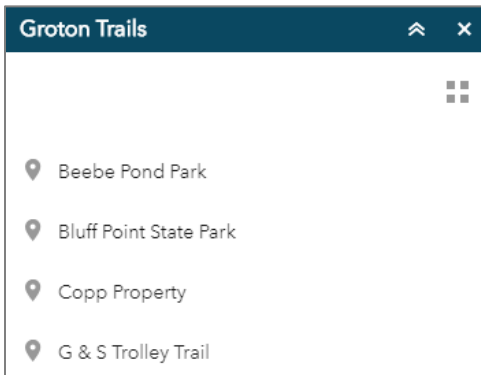


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## Groton Trails



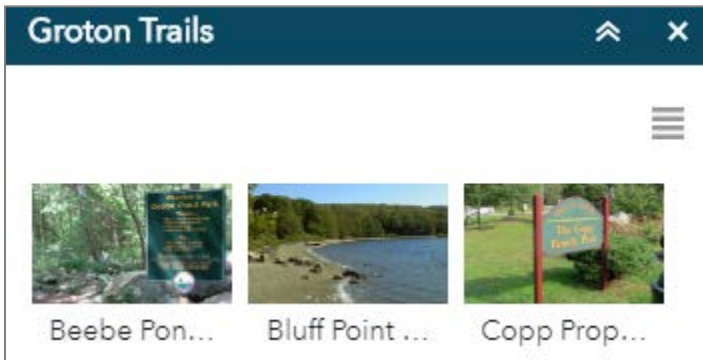
Click one of the bookmark thumbnails to set the map extent to the bookmark area.



Switch between the cards view and list view, click on yellow highlighted area.



Card view



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## Contact / Reporting



This widget give you contact information.

**Contact / Reporting** ⤴ ✕

**For questions or to report an issue pertaining to a park please contact Town of Groton Parks and Recreation Department**

**Email at [parksrec@groton-ct.gov](mailto:parksrec@groton-ct.gov) or call at 860-536-5680**

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*Any questions or comments about this Website  
Please contact the  
Town of Groton GIS Coordinator at*


[IT\\_HelpDesk@groton-ct.gov](mailto:IT_HelpDesk@groton-ct.gov)

## Basemap Gallery



Clicking the **Basemap Gallery Widget** displays all the basemaps configured for this widget. Clicking a basemap thumbnail sets it as the active basemap for the app. Click the X in the upper-right corner of the Basemap Gallery window to close it.

**Basemap Gallery** ⤴ ✕

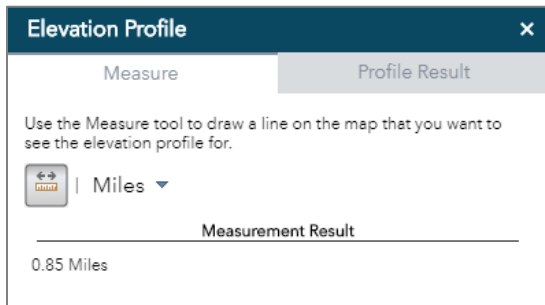
 2015 Aerial	 2012 Aerial	 2009 Aerial
 2009 (CIR) Aerial	 2004 Aerial	 1999 Aerial
 1990	 Trails Basemap	

## Elevation

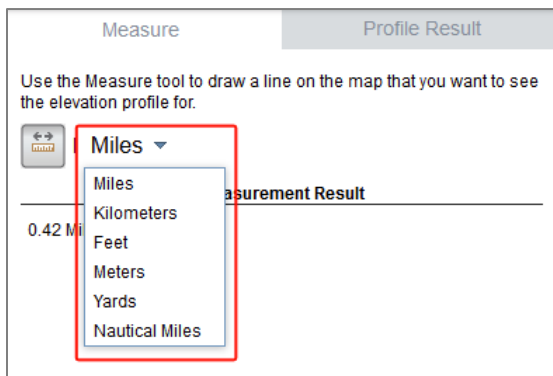


This widget allows you to measure a line on the map and get the elevation profile for that line based on the profile geoprocessing service supplied.

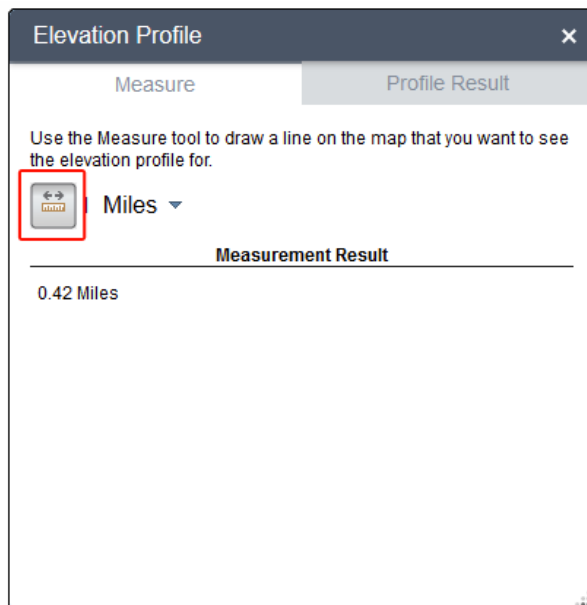
Clicking the Elevation Profile Widget displays the widget.



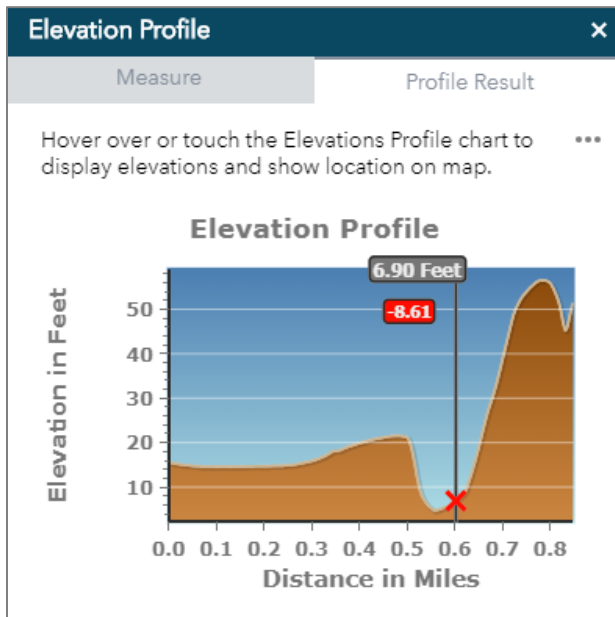
Select the measure units that you want to use for the line that you draw on the map.



Next click on the distance measurement tool in the widget and draw a polyline on the map for the profile you wish to generate.

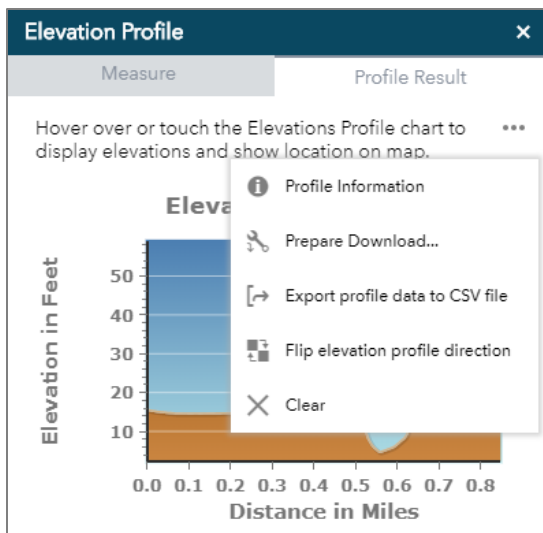


The results of the profile are then displayed in the widget.



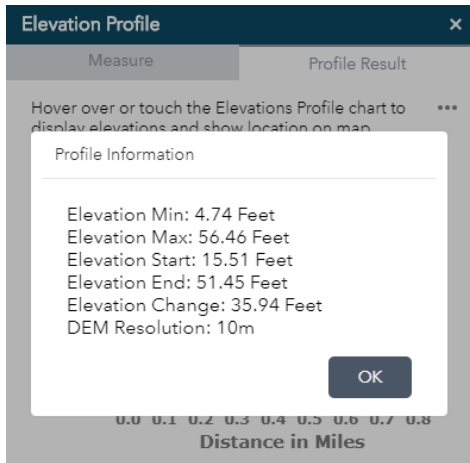
As you mouse over the chart in the widget a red x is moved in the map corresponding with the location in the chart.

Clicking the **Menu** icon will show more options to interact with the elevation profile.



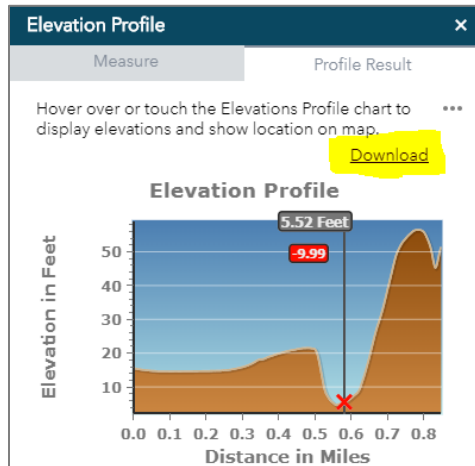
### Menu Options

Clicking the **Profile Information** menu option will display a message window with the elevation min, max, start, end change, and dem resolution info.



Clicking the **Prepare Download...** menu option will prepare the profile image to be downloaded. Once preparation is complete the Download link will be visible on the widgets UI.

(Note: If using a browser other than Internet Explorer that supports HTML5 Canvas you will get this menu option to export the profile as an image. If using Internet Explorer this menu option will not be displayed.)



Clicking the **Export profile data to CSV** file menu option will create and download the profile data (x, y, elevation and distance) to a csv file on the client.

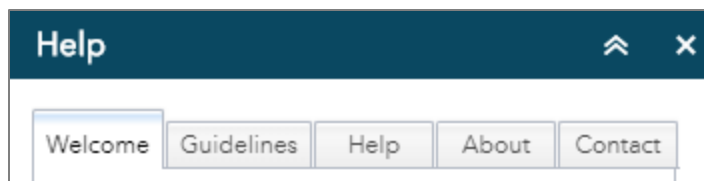
Clicking the **Flip elevation profile direction** menu option will take the existing profile and flip the beginning and ending points showing the profile in reverse.

Clicking the **Clear** menu option will clear the profile.

## Help



The **Help Widget** has 5 different tabs with information under them. The tabs are Welcome, Guidelines, Help, About and Contract.



**Welcome Tab** give you a welcome message to the site.

### **Guidelines Tab**

#### **Guidelines for Multi-Use Trails:**

Trails (or paths) for non-motorized use have become very popular resulting in congested and potentially hazardous situations. Regardless of whether you are bicycling, walking, jogging, or skating, if you follow the same set of rules as everyone else, your trip will be safer and more enjoyable.

**Be Courteous.** All trail users, including bicyclists, joggers and walkers should be respectful of other users regardless of their mode, speed or level of skill.

**Don't Block the Trail.** When in a group or with your pets, use no more than half the trail so as not to block the flow of other users.

**Keep Right.** Stay as near to the right side of the trail as is safe, except when passing another user.

**Be Respectful of Private Property.** Trails are open to the public, but often the land on the side of the trail is private property. Please respect all property rights.

**Questions?** Email us at [parksrec@groton-ct.gov](mailto:parksrec@groton-ct.gov) or call 860-536-5680

**Help Tab** has the same information that is in this Help Document but in the site.

**About Tab** tells you about the site, "This map viewer application is based on the Esri ArcGIS Web AppBuilder Developer Edition Version 2.9. Map viewer also includes custom widgets by Robert Scheitlin & William Miller."

**Contact Tab** *For questions or to report an issue pertaining to a park please contact **Town of Groton Parks and Recreation Department** Email at [parksrec@groton-ct.gov](mailto:parksrec@groton-ct.gov) or call at 860-536-5680 Any questions or comments about the **Guide to Hiking Trails** Please contact the Town of Groton GIS Coordinator at [IT\\_HelpDesk@groton-ct.gov](mailto:IT_HelpDesk@groton-ct.gov)*

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## **Trail Information**



The **Trail Information Widget** has a tab of every individual trail.

# Trail Information

Trail Name	Icon
Index	
Printable Maps	
Beebe Pond Park	
Bluff Point State Park	
Copp Property	
G & S Trolley Trail	
Haley Farm State Park	
Merritt Family Forest	
Moore Woodlands	
Mortimer Wright Preserve	
Pequot Woods	
Poquonnock Plains Park	
Poquonnock River Walkway	
Sheep Farm	
Sparkle Lake Conservation Area	
Towns End	
X-Town Trail	

Click here to view the full list of tabs.

**Index Tab** is a quick guide showing you what active can be done on each trail.

**Printable Maps Tab** has all the printable map of each trail that you can print at home.