

Map Viewer and Tools

 supportcenter.nc4.com/hc/en-us/articles/218192218-Map-Viewer-and-Tools

E Team provides full GIS and mapping functionality. E Team provides the ability for users to dynamically annotate maps and geo-reference a broad array of different types of information. Users are provided with the ability to create their own custom map displays by selecting or de-selecting map layers as needed. In addition, users can hand-draw overlays comprised of a full range of polygons and irregular shapes. Locations of key events and facilities are instantly available on map overlays. Clicking on icons takes you directly to the source report or data.

Your organization's Mapping Administrator is responsible for your [GIS configuration](#).

Map Viewer Window

Maps provide a graphic summary of the reports in E Team. Many E Team reports contain a [location / geo-location](#) section to support locating that report instance on a map. Once you have successfully geo-located a report on the E Team map, the report location can be viewed by others and the report can be accessed directly from the map.

To launch the map viewer window, click on the Map option in the top frame of the main E Team window. Each time you access the map in this manner, you will have to select which data layers (E Team reports, overlays) you wish to have displayed.


Users who choose to keep the map viewer open in a separate window should be aware that your mapping administrator sets the refresh rate for data layers. Each time the refresh occurs new icons will display in your map viewer for any E Team reports added since the last refresh for those data layers selected for display.


Multiple default values are set by your organization's mapping administrator to enhance your mapping experience. These defaults include:

- Basemap
- Bookmark (level of extent)
- Measuring Unit
- Layer Opacity
- Layer Refresh Rate
- Report Icons

Map tools can be used to customize your viewing experience.

In order to see more or less of your map, you can take advantage of the full screen mode available on your monitor by maximizing your window size, or reduce window size as needed. If after reducing window size:

- You no longer see a tool at top right select the *More*  tool to expose the missing option(s).
- You are not able to see all information or controls presented in an edit pane (displayed when using some of the mapping tools), use your mouse to pan left, right, up, down until you have full view.

An icon image is used to identify reports that have been geo located on the map. These icons typically depict the type of report. For example, when Incidents are selected in your map view, an airplane icon might represent an airplane related Incident. Clicking on the *Legend*  tool after adding layers to your map provides the legend to icons being used by your organization.

E Team is delivered with a default icon setting for all reports/sub-types. These defaults can be viewed by clicking on the Help option at the top of each E Team report. However, your organization's mapping administrator has the ability to customize icons used, therefore, actual icons displayed may vary from that delivered with the application and those contained in field help.

The color of the icon indicates the status of the report instance as defined by your E Team Administrator. There are nine (9) status colors available within E Team. Your system may use all or a subset of these status colors for each report type. E Team status colors are setup in order of worse (black) to best case (blue) as follows.

- Black
- Purple
- Red
- Orange
- Yellow
- Green
- Teal
- Gray
- Blue

E Team uses the color status Blue - Report Closed to indicate an inactive report instance. Report instances with status value Blue will NOT display on the map.

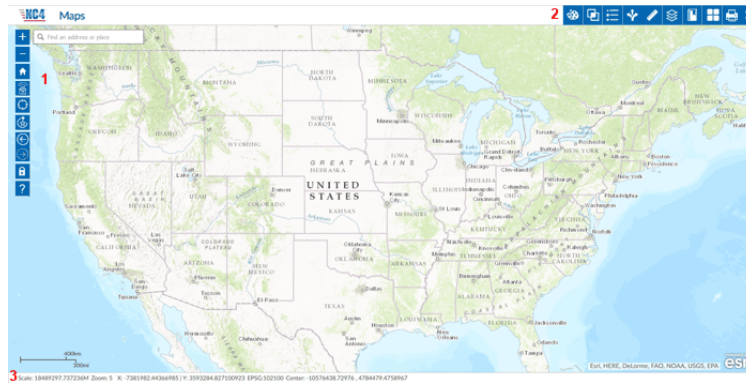
You can mouse-over icons to see the name of the incident, facility, resource, etc. If multiple report instances are clustered you will need to zoom in further so you can click on the cluster image to get a list of reports from which to make a selection.

You can access a report instance from within the map viewer by clicking on the icon for that report. This will open a dialog window providing additional data for the report and available options associated with the permissions assigned to your user ID including:












- View Details. Launches report in new window in Read-only mode.
- Edit Details. Launches report in new window in Update mode.
- Zoom To. Map will zoom to the report location.

Using Map Tools

When accessing the map you will see a variety of tools that can be used to enhance your mapping experience. These tools appear on the left, and at top right of the map viewer window. Not all tools may be available to all users. The tools and their use are defined below in sections labeled 1 through 3 as noted on the map viewer image below.



1. The following tools can be found in the Map Viewer window on the left and are available to all users. In all cases, to Pan (move the map image right, left, up, or down) hold down your cursor and move in any direction.





Tool	Purpose
	Zoom In. Click to zoom in, or place the mouse pointer at the desired location on the map and scroll the mouse upward to zoom into the desired area on the map. Users can also press 'Shift' key and draw a rectangle on the map using the mouse to zoom into a desired area.
	Zoom Out. Click to zoom out, or place the mouse pointer at the desired location on the map and scroll the mouse downward to zoom out of the desired area on the map. Users can also press 'Shift' + 'Ctrl' key and draw a rectangle on the map using the mouse to zoom out of the desired area.
	Default Extent. Click to reset the map to default extent.
	Show Address. Use tool to identify the address of desired location on the map. Click icon and then click on the desired map location.
	Find My Location. Use tool to identify your current location on the map. Click icon and consent to share location details.
	Bookmark Refresh. Use tool to reset the map extent to the selected bookmark in the Bookmark list.
	Previous Zoom. Use Previous and Next Zoom tools to toggle zoom levels.
	Next Zoom. Use Previous and Next Zoom tools to toggle zoom levels.
	Lock Pop-ups. Use to lock associated pop-ups as you click on map report icons. Click again to no longer lock.
	Identify. On click activates the identify tool. You can then click on a supported data layer (ArcGIS Dynamic layers supported) to display information about the layer. If the layer clicked is not supported or has no information the system will display the following: <i>No Features Identified from ArcGIS Dynamic Services</i> . Click the tool again to deactivate it.
	Help. Use tool to access e Team on-line map help.

Find Address or Place. Use to locate the desired address or landmark on the map.

 Find an address or place

1. Enter the desired address/landmark in the text box. As soon as you start typing a suggestion list appears. You can select the desired address from the list or click the magnifying glass to complete a search.
2. Once a selection is made, the map will zoom to the specified address indicated by a pushpin at the center of the map.
3. An info window appears beside the pushpin displaying the address.
4. Click *Zoom to* link in the info window to further zoom into the map.
5. Click the "x" that has appeared in the *Find an address or place* text box to remove the pushpin from the map.

2. The following tools can be found in the Map Viewer window at the top right and are available to all users, except as noted. Directions tool requires a [routing service](#) and may not be available on your system.

Tool	Purpose
	<p>Draw. Use tool to define bounding area on the map using various drawing tools to create and save overlays. The saved overlays can be used for intersect analysis. Note: Only users who have been given ETOverlay rights will have this capability. If you feel you should have this option, please contact your organization's system administrator.</p> <p>Click to display the <i>Draw</i> pane. The <i>Draw</i> pane includes following options:</p> <ol style="list-style-type: none"> 1. Create and Save Overlay: <ul style="list-style-type: none"> • Create Overlay: to create overlay by defining geometry on the map. • Save Overlay: to save the created overlay. • Clear: to clear the overlay. 2. Draw: to define bounding area using following drawing tools: <ul style="list-style-type: none"> • Point • Circle • Line • Rectangle • Triangle • Polygon • Freehand Polygon • Edit: to edit the bounding area. • Move: to change the position of the drawn geometry on the map. 3. Edit: to change the shape of drawn geometry. <ul style="list-style-type: none"> • Rotate: to rotate drawn geometry on the map. • Scale: to change the scale of the drawn geometry on the map. • Delete: to delete geometry from the map. • Edit Features: to edit the details such as; Description, Fill and Border of the drawn geometry.
	<p>Intersect. Use tool to generate an intersect analysis report identifying overlapping points, polygons. The results can be saved, printed, as needed. Note: Only users who have been given ETGeoprocessing rights will have this capability. If you feel you should have this option, please contact your organization's system administrator.</p> <ol style="list-style-type: none"> 1. Click to display the <i>Intersect</i> pane. 2. In <i>Select Output Data (Layer)</i> select a layer. 3. Select field(s) from <i>Select Fields for Report</i>. <p>Note: For 2 and 3 above, multiple output layers and fields can be selected by pressing Ctrl key.</p> <ol style="list-style-type: none"> 4. Click <i>Layer</i> and <i>Element</i> drop down to select the bounding layer. 5. Click <i>Apply</i> and the analysis report appears in grid format. <p>Controls at top right of grid allow you to search the results, export to CVS, and to save the results.</p>
	<p>Legend. Use tool to identify the symbols or colors represented on the map for selected layers.</p> <p>On click a pane appears defining labels and symbols assigned to the selected layer(s).</p> <p>Legend for the clustered layers will not be defined.</p>
	<p>Directions. Use tool to find routes to the destination location from the source location based on the mode of transport car/truck/walking. An option to include</p>

transport car/truck/walking. An option to include intermediate stops is also available.

1. Click to display the *Direction* pane.
2. You can define the source/destination locations by entering the address or clicking on the map.

Method 1. Entering address


In Location A enter the address of source location and in Location B enter the address of the destination location.

Click *Add Destination* to add intermediate stops between the source and destination location. Then enter the address of the destination location.

Note: The label of the destination location will be updated based on the number of intermediate stops.

Method 2: Clicking on the map to select locations

Click on the map to select the source/destination locations. The first location is identified as the source location and the last location is identified as destination location. In-between locations are identified as intermediate stops.

Note: Ensure that *Add Destination* icon  is selected.

3. Click *Show More Options* to use *Return to Start* and *Use Traffic* options.
4. The route will appear on the map and the detailed directions appear in the open *Directions* pane.
5. Click *Zoom to Full Route* to zoom in on the map.
6. Click *Print* in the *Directions* pane to print the detailed directions.
7. Click *Clear once* to remove the route and directions. Click again to clear source/destination locations.



Measurement. Use tools to measure distance/area between two selected points or a specified polygon on the map and identify the Lat/Log values of a location.

1. Click to display the *Measure* pane.
2. Select an icon displayed to measure area, distance, or to location.
3. Select the desired unit of measurement when the associated dropdown appears.



Area: Select *Area* tool and add multiple clicks on the map to draw the desired polygon. The area of the defined polygon appears in *Measure* pane.



Distance: Select *Distance* tool and add multiple clicks on the map to define the path. The linear distance between the first and last point appears in *Measure* pane.











Location: Select *Location* tool and click on the map to identify the latitude and longitude of the desired location.



Data Layers. Use tool to select one or more layers from the list of business and custom layers. Selected layers appear on the map.

1. Click to display the list of available business and custom layers.
2. Select one or more layers to display on the map.

..... Tools

Layer Tools	
	Zoom to layer
	Change layer refresh/opacity
	Save refresh/opacity layer change
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	<p>Bookmark. Use tool to save the desired map extent. Later you can choose the bookmarked options to zoom to the saved map extent.</p> <ol style="list-style-type: none"> 1. Click to display the <i>Bookmark</i> pane. Existing bookmarks will be listed. 2. To add a new bookmark, set the map to the desired extent and enter the name of bookmark in <i>Bookmark Name</i> and click <i>Add</i>. This bookmark will be added temporarily to the list of bookmarked items. 3. To save a new bookmark select the added bookmark and click <i>Save</i>, the selected bookmark will be added to the list of saved bookmarks. 4. To view a bookmarked item, select a bookmark from list of saved bookmarks. The map sets to extent of the selected bookmark.
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	<p>Base Map Gallery. Use tool to select a basemap from the list of available basemaps; ESRI, Bing, or Custom.</p> <ol style="list-style-type: none"> 1. Click to display the <i>BaseMap Gallery</i> pane. 2. Click on a basemap image to replace the current map displayed in your map viewer window.
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	<p>Print. Use tool to print or save the current map extent in desired Format and Layout.</p> <ol style="list-style-type: none"> 1. Click to display the <i>Print</i> pane. 2. Enter <i>Map Title</i>. 3. Select <i>Layout</i>. 4. Select Format 5. Select <i>Print Map</i>. The current map extent is exported in the selected format and layout. 6. A link of the exported result is added in the <i>Print</i> pane. Click the link to save and print the file content. 7. When done click <i>Clear</i> to remove the results link.
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	<p>More. This tool appears when you are not viewing at full screen. On click tools that no longer fit on your reduce screen can be found here.</p>
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	<p>Close. Use to close to the map viewer window.</p>

3. The Status Bar is located at the bottom of your map viewer window and provides the following information:

- Scale - Current map scale.
- Zoom - Zoom level of the map.
- Long and Lat - Longitude and Latitude of mouse pointer position.
- Mercator - Mercator projection coordinates.
- Center - Center of the map.