

# Show Places Pane—Zoom to a Location

The View window sidebar has five optional panes including Show Zoom and Show Places that let you zoom to the location of your choice using map scale, tileset zoom level, and geographic coordinates or by a name search for a geographic feature or area of interest. It can also provide access to frequently-used views that you have named and saved. Each of these panes and the entire sidebar can be opened/closed with a single mouse click. The optional Legend, Magnifier, and Locator sidebar panes are discussed in the Technical Guide entitled *Spatial Display: View Window Sidebar and Magnifier*.

The Show Places pane provides access to

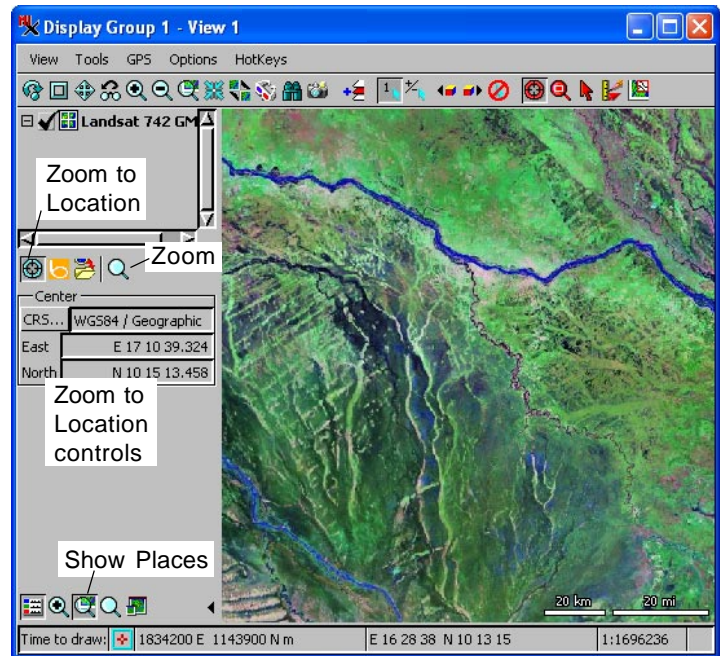
- Zoom to Location controls to zoom to specific coordinates in a specified Coordinate Reference System (CRS),
- Microsoft’s Bing Maps Location Service, and
- Locations you have saved to reposition the view.

The operation you select determines the icons shown and associated functions available.

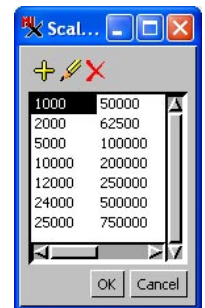
The Zoom to Location operation lets you determine the scale of the view by the number shown for map scale, by fixed tileset scale, or by specifying the ground dimensions used for the height or width of the area to be displayed in the View window. Your choice can be coupled with or independent of changing the location of the center of the view. Note that the numeric map scale in this pane is the same as that shown at the bottom right of the View window. After you have designated the desired scale and/or location for zooming/repositioning, click on the Zoom icon or press <Enter> to initiate a redraw of the view using your new settings.

The dropdown menu below the operation icons lets you choose between a variety of scaling methods: using map scale, the zoom level of a specific tileset structure (Google Maps, Microsoft Bing Maps, Google Earth, and NASA World Wind), and ground measurements for height or width. You can also type directly into the numeric field regardless of your selection.

**View Scale.** The numeric value in this mode represents a map scale and by default will match that shown at the right end of the status line in the View window. The op-



tion menu to the right of the numeric field provides a number of predefined map scales to choose from with an Edit option at the bottom of the list. Choosing Edit opens the Scale window with the list that shows the scales that currently show on the Option menu. The values on the option menu are limited to the values on either side of the full resolution and full view scales for the group. You can add new scale values to the list, edit highlighted values in the list, and delete highlighted values from the list. Clicking OK in this window will update the option menu accordingly.



**Fixed Web Tileset Scales.** Restricting zoom levels for a complex view to match the fixed zoom levels supported in a web-based geoviewer permits you to evaluate how the current view will appear if it is rendered to a tileset for use on the Internet (in Google Maps, Microsoft Bing Maps, Google Earth, or NASA World Wind). All these geoviewers use raster tileset structures that require fixed, predefined zoom levels and a global reference system. Choosing the name of one of these geoviewers in the Show Places pane resizes the contents of the view to the nearest fixed zoom level and converts it into the CRS used by that geoviewer. You receive a warning message if the CRS of the view will be changed. Subsequent

zooming using + and - icons or the scroll wheel then jumps the view to each successive zoom level used in the geoviewer selected. However, zooming to full view or using the zoom box will still zoom the view to the appropriate fractional zoom level (e.g., 7.3) and any subsequent zooming activity will no longer use fixed levels.

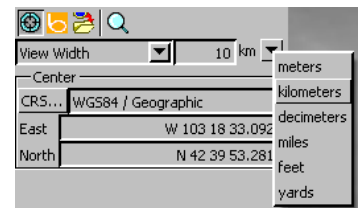
Careful planning is necessary to determine how each image, map, and geometric layer or combination of layers should be presented at each of the fixed zoom levels of a web geoviewer. Zooming in and out using the fixed zoom levels and CRS that match those of a web geoviewer lets you easily evaluate how your content will look in 2D in that geoviewer via the Internet. For example, an appropriate range of zoom levels for an image should be selected based on its coverage and resolution. Scanned maps should only be converted and used at fixed zoom levels that permit reading their text and feature content. Geometric content to be rendered to a raster tileset can be selected by query and styled to be appropriate for each zoom level. For example, an urban parcel boundary overlay can be rendered and used as a transparent raster tileset overlay in Google Maps for levels 17, 18, 19, and/or 20. Rendering a parcel layer outside these levels may be meaningless and obscure other layers in the mashup.

Select a geoviewer by name to evaluate what zoom level(s) should be used for the simple or complex content of your view. When you are satisfied, you can render the objects used in the current view with fixed scale directly into a tileset. If they are large, you can select the job processing

option to set them up to be rendered at a later time. Alternatively you could choose to save a group/layout to reload at a later time for rendering including the use of job processing.

### View Width and Height.

The Width and Height options let you specify the ground distance to display to fit either the width or the height of the View window.



The option menu to the right of the value field lets you pick the units for your distance specification. Choose your desired distance units before entering the numeric value because the value you enter will be translated to the newly selected units as they are throughout the TNT products.

### Center

You can specify the coordinates for the center of your new view in the CRS of your choice. The coordinates shown can be entered directly or specified by mouse action (click or scrolling). The default CRS shown is that of the group or Lat/Lon if the group has global extents. The coordinate fields are initially blank, but are filled in if you click the mouse over the view canvas or use the scroll wheel to zoom. You can also type directly into these fields and press <Enter> to zoom if you know the coordinates of the location to which you want to zoom.

