

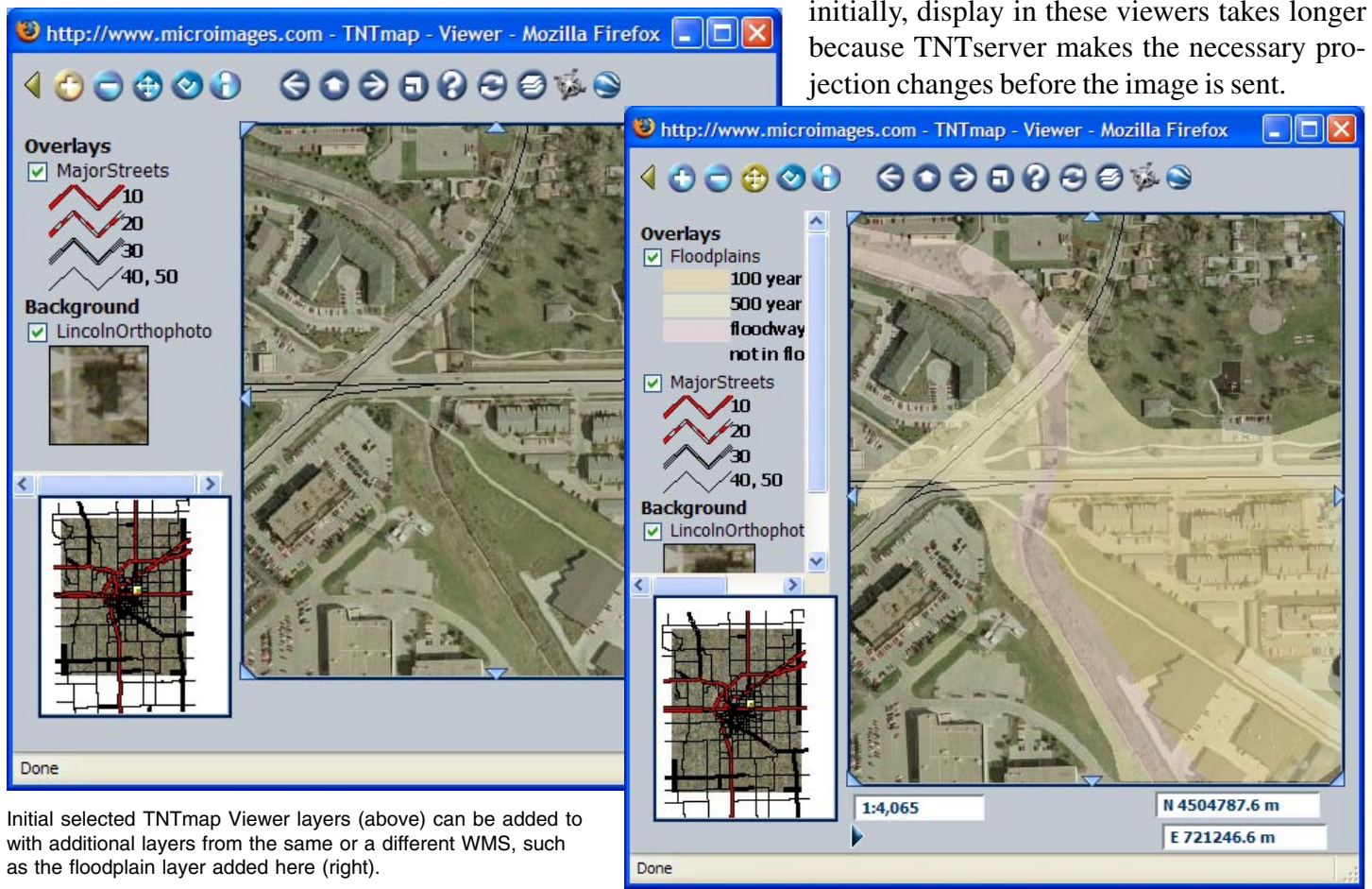
# Use TNTmap Viewer to View WMS Layers

Layers selected from a TNTserver site or from any other WMS compliant server can be displayed in TNTmap Viewer, TNTmap Open, Google Maps, Google Earth, or World Wind using TNTmap Builder. The display of selected layers can be immediate (the designated application is launched with the selected layers in place) or the web map content can be saved for subsequent use in any of these applications (see the back of this page for information on saving a web map context for TNTmap Viewer).



You can choose to open a new instance of TNTmap Viewer for the current layer set or add layers to an existing view from TNTmap Builder (the icon with the blue rectangle behind the binoculars adds to an existing view) for all versions except the Macintosh widget (see the color plate entitled *TNTmap Builder 2006:72: Four Ways to Run*). Google Maps and TNTmap Open open a new window each time you click on their launch buttons, Google Earth adds all layer sets to the temporary places in a single window, and World Wind has to be closed and reopened for subsequently added layers to appear. Note that both the initial layers and the newly added layers must be in the Main View list to view them all when you reuse an already open TNTmap Viewer. TNTmap Viewer and TNTmap Open are the only viewer choices that provide legend graphics, as shown in the illustrations below, if they are available and you have requested them (Mixed Legend or Images & Text Legend is selected on the Settings panel, see back of page).


TNTmap Viewer does not care what Coordinate Reference System (CRS) its layers are in. It automatically reconciles the CRSs for all layers and displays them in the CRS you have selected in TNTmap Builder. Google Maps requires layers in Mercator projection, and Google Earth requires Lat/Lon. If layers are not in these projections initially, display in these viewers takes longer because TNTserver makes the necessary projection changes before the image is sent.



Initial selected TNTmap Viewer layers (above) can be added to with additional layers from the same or a different WMS, such as the floodplain layer added here (right).

# Save Layers for Automated Restart in TNTmap Viewer (\*.cml, \*.htm Context)



The five Save As/Settings panels in TNTmap Builder let you save a context file for later, independent viewing of the currently selected layers on the Main View panel. This Web Map Service (WMS) content can be made up of layers from one or more WMSs. You can choose to save a context file for Google Maps (\*.htm), Google Earth (\*.kml), World Wind (\*.xml), TNTmap Open (\*.htm), or TNTmap Viewer (\*.htm or \*.cml). Double-clicking on a saved context file will launch the application that was selected when the context file was saved with the designated WMS layers in the correct location. The five Save As/Settings panels each provide the relevant options for one of the target web map viewing applications listed above. The color plate entitled *TNTmap 2006:72: Saving and Using Contexts* provides general information on the various contexts and how they are used in TNTmap. This same panel can be opened from the Change Settings icon at the top of TNTmap Builder. 

Name to use for layers listed in your Main View when saved as a context file for automated reuse later.

**Installed Version:** you have the opportunity to alter this name when the file path is chosen if you forgot to alter it here or if you change your mind about the name you want.

**Web Application Version:** this name will be assigned if **you permit** this context file to be saved. It will automatically be saved to the generic place your browser uses for any files **you trust and permit** to be saved.

Enter the desired description here for inclusion in the web map context document (\*.cml or \*.htm).

Sets the default maximum initial height/width of the view canvas in TNTmap Viewer.

When turned on, the view canvas will resize when the window is resized.

Saves current settings as your default parameters. A context file *will not be saved*.

**Installed Version:** the tilt, heading, and other parameters are saved for automatic use for future Google Earth sessions launched from TNTmap.

**Web Application Version:** these settings only apply to the current session of TNTmap. They are not saved for use the next time you launch Google Earth from a new TNTmap session.

## Notes:

<sup>1</sup> The *Mixed Legend* choice uses images if they are available and text if there are no images while the *Images & Text Legend* choice uses both if they are available. The simpler the type of legend you select, the faster the response time. There is no guarantee that legends will be available as they are not required for WMS compliance.

<sup>2</sup> **Installed Version:** when the box is checked, an icon (right) is included in TNTmap Viewer to launch TNTmap Builder. When opened this way, TNTmap Builder includes the layers being viewed on the Layers list. You can then add/remove layers and update in the existing or a new TNTmap Viewer window or open the layers in Google Earth, Google Maps, World Wind, or TNTmap Open.

**Web Application Version:** this icon and functionality are automatically included.

Clicking on these viewer icons switches to the panel with settings for that format.

Identifies the active panel.

Google Earth, World Wind, TNTmap Open, TNTmap Viewer, Google Maps

Identifies location of TNTmap.

Choose the legend type to show in TNTmap Viewer<sup>1</sup>. See<sup>2</sup>.

Set initial mode for TNTmap Viewer operation. Choose from Zoom In, Get InfoTip, Inverse Zoom, Recenter, and Measure.

Saves references to the layers currently on the Main View list in TNTmap Builder to a DHTML TNTmap context document (\*.htm). See Title description for installed and web application version behaviors.

Saves references to the layers currently on the Layers list in TNTmap Builder to an OGC web map context document (\*.cml). See Title description (above left) for installed and web application version behaviors.

Overview size relative to view canvas.

Determines whether scale or extents are maintained when TNTmap Viewer is resized.

Closes Save As/Settings panel without changing any settings.

OK, Cancel, Save View As

