

Geomashup Control Options

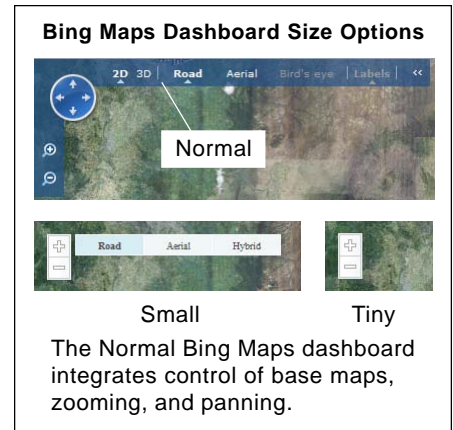
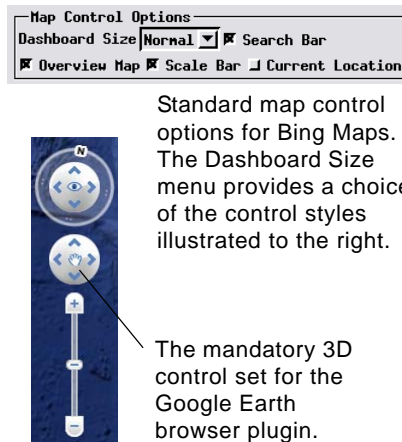
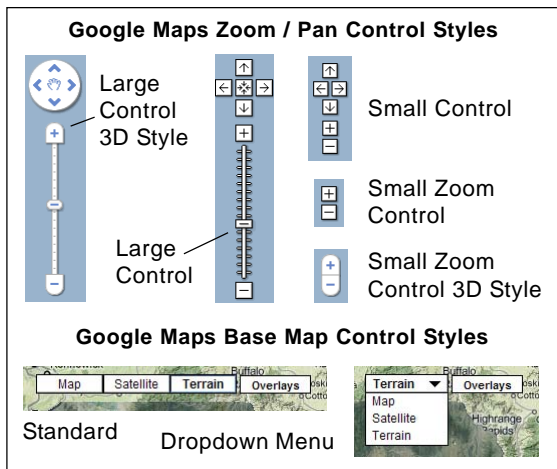
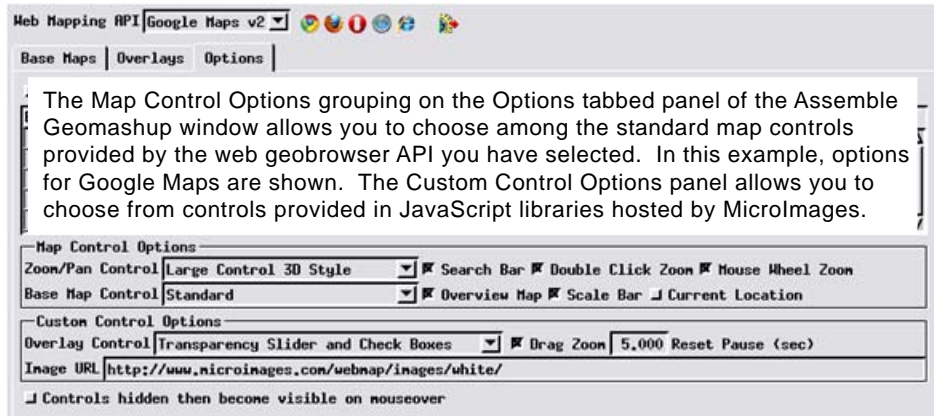
You can use the Geomashup process in TNTmips to combine your own tilesets and KML files with geodata layers from remote sources for viewing in a web geobrowser (Google Maps, Bing Maps, or Google Earth). The Options tabbed panel in the Assemble Geomashups window allows you to choose the types of standard and custom interface controls to include in the geomashup.

Other aspects of the Assemble Geomashups process are covered in the Technical Guides on *Geomedia Publishing* entitled *Introduction to Geomashups*, *Managing Custom Base Maps for Geomashups*, *Managing Custom Overlays for Geomashups*, and *Geomashup Data Management Options*.

Standard Map Control Options

The Map Control Options section of the Options panel allows you to select among the standard controls and features that are provided directly by the web mapping API you have selected (i.e., the geobrowser in which you will view the geomashup). The features provided in this section therefore vary depending on your selected API. The Map Control Options sections for Google Maps and Bing Maps are shown to the right.

The Google Maps geobrowser interface has a zoom/pan control and a separate base map

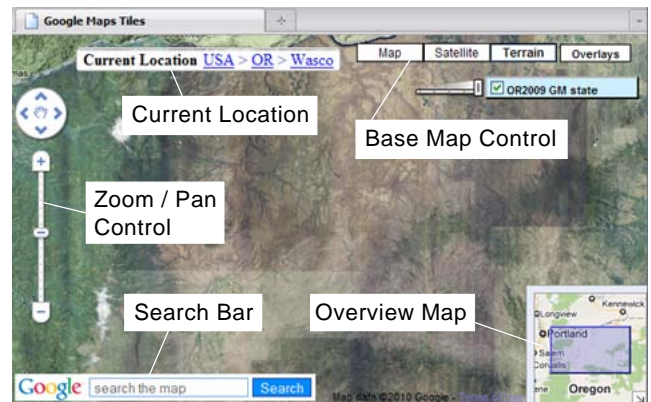


control allowing the user to switch base maps (proprietary and custom). You can choose from the several styles available for each type of control (illustrated above) using menus in the Map Control Options panel for Google Maps.

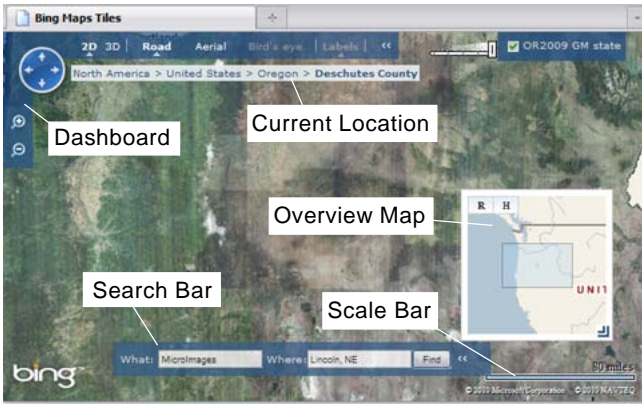
In Bing Maps, base map selection and zooming/panning are integrated into a single dashboard control set. You can choose from among several styles of the dashboard control (illustrated above right) using the Dashboard Size menu in the Bing Maps version of the Map Control Options. Google Earth geomashups are automatically provided with the single mandatory 3D control set, which is shown above.

Toggle buttons in the Map Control Options in Assemble Geomashup allow you to choose to include additional standard map controls in your geomashup. These additional controls are illustrated for Google Maps to the right and for Bing Maps and Google Earth on the reverse.

Geomashups for Google Maps, Bing Maps, and Google Earth can include an overview map, scale bar, and current location indicator. The latter feature shows a sequence of progressively more specific location



Nomenclature of standard map controls (those available in the selected web mapping API) using a Google Maps geomashup as an example. The Scale Bar in Google Maps cannot be used together with the Search Bar, as both are positioned in the lower left corner of the geobrowser view. (over)



Standard map controls available in Bing Maps.



Map controls available in a Google Earth geomashup.

identifiers in the geobrowser view. You can also include a standard search control for Google Maps and Bing Maps (a custom search control for Google Earth geomashups is available from the Custom Control Options). In addition to these on-screen controls, for Google Maps geomashups you can choose to implement zooming by double-clicking in the view and by using the mouse wheel. The checklist to the right lists the standard controls and their availability by geobrowser.

For Google Earth geomashups, the Map Control Options also include toggles to enable atmospheric effects and to add the Google Earth reference overlays listed below:

- Grid: latitude/longitude grid lines
- Roads: roads and road names
- Borders: country and area borders and place names.

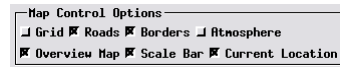
Custom Control Options

The Custom Control Options section on the Options panel allows you to choose custom controls that are provided by JavaScript libraries hosted at MicroImages. The main options are different styles of overlay controls and a zoom box (drag zoom) tool.

There are four styles of controls available from the Overlay Control menu, with the selection dependent upon the selected web geobrowser (see the checklist to the right). These options provide various controls for turning layers on or off (check box, radio button, and dropdown menu) combined in some cases with a slider to dynamically vary the transparency of the overlay. (The slider is shown only for the overlay that is currently active in the geobrowser.)



The custom Drag Zoom control allows you to drag out a box in the geobrowser view to zoom in to the specified area. The tool is shown above in Google Maps (tool icon circled in upper left). The equivalent control in Bing Maps (right) includes an icon to return to the home view.



Map Control Options for Google Earth geomashups.

Standard Map Controls Checklist			
Control	Google Maps	Bing Maps	Google Earth
Search Bar	✓	✓	
Double-click Zoom	✓		
Mouse Wheel Zoom	✓		
Overview Map	✓	✓	✓
Scale Bar	✓	✓	✓
Current Location	✓	✓	✓

Custom Overlay Controls Checklist			
Control	Google Maps	Bing Maps	Google Earth
Transparency slider and Check Boxes	✓	✓	
Check Boxes Only	✓	✓	✓
Radio Button	✓		
Dropdown Menu with Transparency Slider	✓	✓	✓
None	✓	✓	✓

The Image URL field in the Custom Control Options sets the source of the images used for the transparency sliders; you should keep the default value for this field unless you have designed your own slider graphic.

The Drag Zoom toggle is available when you have selected the Google Maps or Bing Maps API. Turning this toggle on provides the geomashup with a tool allowing the user to drag out a rectangular zoom box within the geobrowser view. When the tool is activated by pressing its icon button, the view is dimmed temporarily while you drag the zoom box. After zooming, the tool remains active (indicated by the dimmed view) for a short time before turning off. You can set the duration of this reset time (in seconds) in the Custom Control Options.

A *Controls hidden...* toggle for Google Maps geomashups enables a feature that hides all controls (standard and custom) when the mouse cursor is outside the geobrowser view.