



































The ArcIMS Toolbar

Using the ArcIMS Tools

The ArcIMS browser interface supplies the user with a number of tools to view, select, and search spatial data. These tools allow the user to zoom in or out, pan, measure, select, find, create custom map views, and buffer or query spatial features and their associated attributes. The illustration below shows the most common ArcIMS tools. Refer to the explanation of each tool near the end of this document for more information.

Zoom In			Zoom Out
Zoom to Full Extent			Zoom to Active Layer
Previous Extent			Next Extent
Pan North			Pan South
Pan West			Pan East
Pan			Identify
Query Builder			Find
Measure			Set Units
Buffer			MapNotes
EditNotes			Select by Rectangle
Select by Circle			Select by Line
Select by Polygon			Attributes
Clear All Selections			MapTips
Add Layer			Layer Properties
Open Project			Save Project
Close Project			Copy Map to Image File
Geography Network			Print

The Tool Function Groups

The ArcIMS Tools are grouped by function into the:

- Pan and Zoom tools
- Query tools, and
- Project tools

Pan and Zoom Tools

The Pan tools move the map horizontally and vertically. The user may manually pan by selecting the hand tool, "grabbing the map" by left-clicking within the map area and holding down the left mouse button, and then dragging the mouse in the desired direction. The Zoom tools change the map's third dimension of scale and extent. Zooming in or out affects the resolution of the map view as if the map were being viewed from an airplane. The closer a person is to the earth, the more detailed his/her view of the ground surface but the smaller the area he/she can see. The ArcIMS interface uses zoom extents behind the scenes to show map features like roads at the appropriate scale. It would be unhelpful if regardless of the zoom level, every road appeared as it did at the state level. The user may zoom in when he/she wishes to view specific features.

















Query Tools



















The Query tools allow the user to view the tabular (attribute) data associated with features in the map view. These tools include the *Query Builder*, *Identify*, *Find*, and *Buffer Tools*.

Project Tools

The Project tools allow the user to open, close, save, and print map views. The user selects File»Print in his/her browser window in order to print a map.

Explanation of the ArcIMS Tools

Tool Icon	Tool Name	Tool Function
	Zoom In	Zooms in to the area of the map the user clicks on or drags a box around.
	Zoom Out	Zooms out from the area of the map the user clicks on or drags a box around.
	Zoom to Full Extent	Zooms to the full extent of the map.
	Zoom to Active Layer	Zooms to the full extent of the active (selected) layer.
	Previous Extent	Zooms to the last extent.
	Next Extent	Zooms forward from a previous extent. This tool is not available until the user has used the <i>Previous Extent</i> tool.
	Pan North	Pans the map North a fixed amount.
	Pan South	Pans the map South a fixed amount.
	Pan West	Pans the map West a fixed amount.
	Pan East	Pans the map East a fixed amount.
	Pan	Pans the display in the direction the user drags the mouse pointer. The user must left-click on the map, keep the left mouse button held down, and then drag the mouse to move around the map.
	Identify	Displays the attributes of the feature the user clicks on.
	Query Builder	Builds query expressions to search for features based on specific (or ranges of) attribute values.
	Find	Locates map features based on the text string entered by the user.
	Measure	Measures distances on the map. To use this tool, the user left-clicks within the map frame (keeping the left mouse button held down), drags, and then releases the left mouse button (also within the map frame) to measure the distance between two points. The distance is then displayed.
	Set Units	The user may use this tool to change the map's <i>Screen Units</i> (the measurement units used to sub-divide the scale bar) and/or <i>Distance Units</i> (ground units or "real-world" units; refers to the actual distance on the ground). The <i>Screen Units</i> options include Inches or Centimeters while the <i>Distance Units</i> options include Feet, Miles, Meters, or Kilometers. Once the user has made the desired changes, he/she clicks on the "Set" button to make the

		unit changes occur.
	Buffer	Finds the features of one layer within a set buffer distance of the selected features of another layer.
	MapNotes	Opens the MapNotes Toolbar. The MapNotes Tools allow the user to add text or graphics concerning the current map to a MapNotes layer; the user may then submit his/her notes to the ArcIMS site administrator.
	EditNotes	Opens the EditNotes Toolbar. The EditNotes Tools allow the user to make simple edits to spatial and attribute data; the user may then choose to submit the edits to the ArcIMS site administrator for consideration. The EditNotes Toolbar contains tools for selecting, adding, moving, and deleting the features of a layer belonging to a Feature Service.
	Select by Rectangle	Allows the user to draw a rectangle; then, selects the features contained within or intersected by the rectangle drawn on the map.
	Select by Circle	Allows the user to draw a circle; then, selects the features contained within or intersected by the circle drawn on the map.
	Select by Line	Allows the user to draw a line; then, selects the features intersected by the line drawn on the map.
	Select by Polygon	Allows the user to draw a polygon; then, selects the features contained within or intersected by the polygon drawn on the map.
	Attributes	Displays tabular (attribute) information about the features which have been selected by the user.
	Clear All Selections	Clears the selected set of features from the map.
	MapTips	Used to set the attribute from which information about a feature is displayed when the mouse pointer hovers over it.
	Add Layer	Opens ArcIMS' <i>Catalog</i> so that the user may navigate to the data he/she wants to add to the map.
	Layer Properties	Allows the user to set the display properties of the active layer.
	Open Project	Opens an existing map configuration (.axl) file.
	Save Project	Saves the current map as a map configuration (.axl) file.
	Close Project	Closes the current project and leaves the browser window open.
	Copy Map to Image File	Saves your current map view as a JPEG image.
	Geography Network	Opens the Geography Network Explorer so that the user may search for data he/she wishes to add to the map.
	Print	Sends the map to the user's default printer to be printed.