

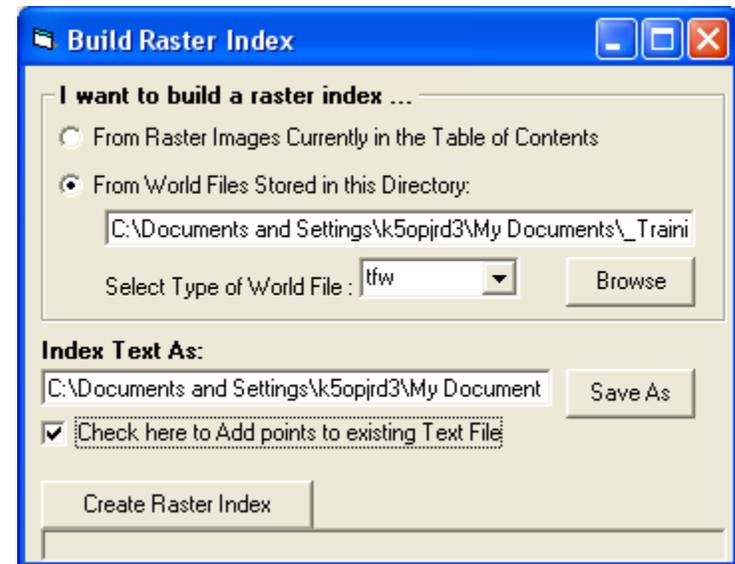
# Data Management

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## Imagery Manager Tool

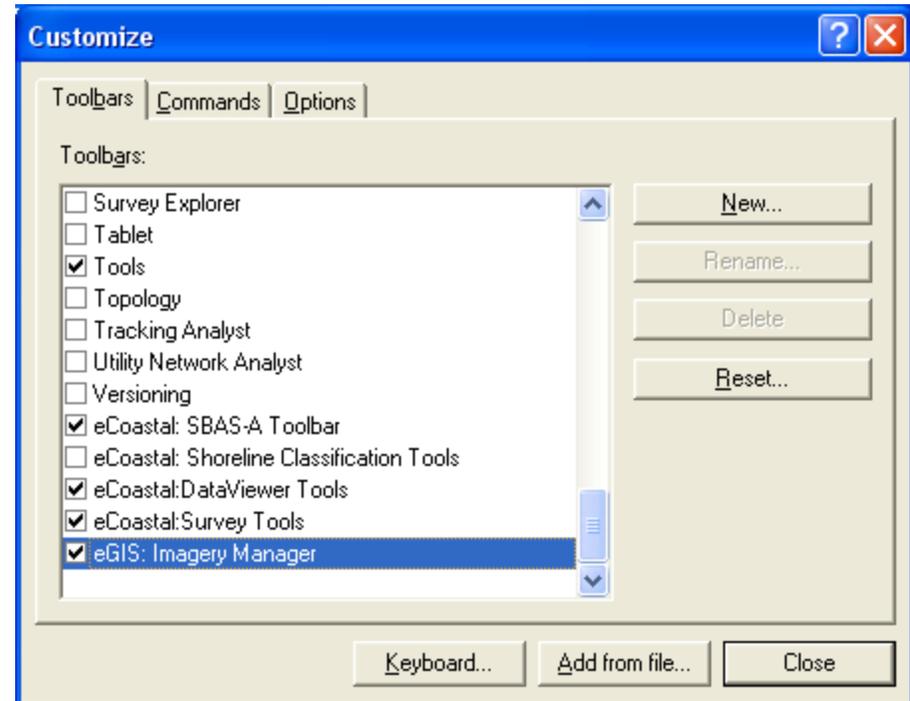
The Imagery Manager Toolbar assists in the management of multiple raster images by locating and adding images into the Table of Contents of a current ArcMap session. Management is performed by creating an index point feature for each image in the selected location – TOC or file directory. This tool is especially helpful if a large number of raster images exist in the same directory and the user is not sure which items are applicable to the project area.

This tool supports most types of non-geodatabase raster files that have a world file in one of the following formats: \*.jpw, \*.jgw, \*.sdw, \*.tifw, \*.tfw.



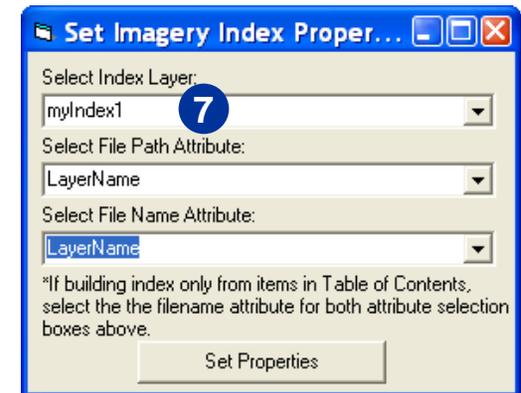
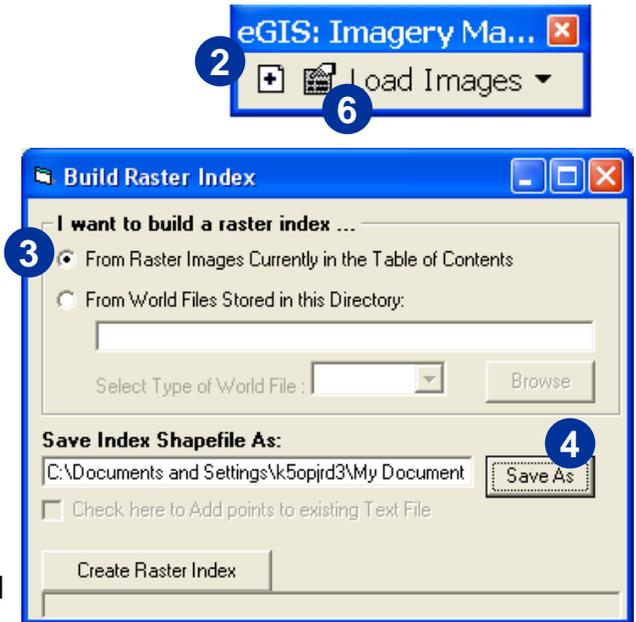
## Installation of the Imagery Manager Toolbar

1. This toolbar is distributed through a DLL for use in ArcMap. To access the toolbar within ArcGIS, from the Tools menu, select 'Customize'.
2. This will open the Customize window. Click on the 'Add from file..' button.
3. Browse to the location of the eGIS-ImageryManager.dll file. Click 'Open'. This will load the functions of the toolbar into ArcMap.
4. Turn on the toolbar by selecting the 'eGIS: Imagery Manager' item in the Toolbars list.



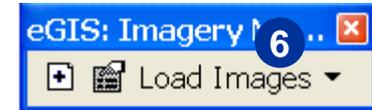
## Creating a Raster Index

1. Open the **Raster\_Index.mxd** in C:\Training\Data\Raster\_Index. Raster images have been already added into the Table of Contents. We will use the index tool to create an index of these layers.
2. Click on the '**Build Raster Index**' tool from the Imagery Manager toolbar.
3. Ensure that the '**Raster Images Currently in the Table of Contents**' is selected.
4. Click on the '**Save As**' button and name the new shapefile **myIndex1.shp**. Click Save.
5. Click on the **Create Index** button. This will create a point shapefile and load the layer automatically into the Table of Contents.
6. To turn on raster images using the index, first set the Index Properties. Click the **Property** button on the Imagery Manager toolbar.
7. Select **myIndex1** as the Index Layer and select **LayerName** for both the File Path and File Name. Click the **Set Properties** button.
8. Using ArcMap's selection tool, select a point or group of points in the raster index.



## Creating a Raster Index

9. Click on the **Load Images** menu and select '**Turn Layers on by TOC Index**'. This will turn on and move the selected raster images to the top of the table of contents.
10. In some cases you may have far too many images to first load them in the table of contents. This tool also allows you to directly build an index from world files contained with your raster image.
  - Remove** all layers in the Table of Contents.
  - To build an index from world files, click the '**Build Raster Index**' button.
11. Select the '**From World Files Stored in this Directory:**' option.
  - Click the **Browse** button and browse to the **C:\Training\Data\Raster\_Index directory**. Click OK.
  - Select the type of world file used. For this sample, select '**tfw**'.
12. Click the '**Save As**' button and save the index as **myIndex2.txt** in the C:\Training directory.
13. Click the '**Create Index**' button. Once this button is selected, this tool mines the world files stored in the directory you specified. The coordinates are extracted and an index file is generated.



## *Creating a Raster Index*

14. To load images indexed by this layer, click the Index Properties tool.
15. Select **myIndex2** as the Index Layer.
16. Select **FilePath** as the File Path Attribute.
17. Select **FileName** as the File Name Attribute.
18. Click the **Set Properties** button.
19. Using ArcMap's selection tool, select a point or group of points in the raster index.
20. From the Load Images menu of the Imagery Manager toolbar, select **Load by File Path/File Name**. Images will be pulled from the designated directory and loaded into the table of contents.

