

Instructions for Loading 2013/2014 USGS Color Ortho Imagery (JPEG 2000 Downloads) into a File Geodatabase Raster Catalog


If you have downloaded several images and want to easily display them all in ArcMap without having to add them into your map one at a time, a good method is to first load them into a Raster Catalog, then add the Catalog to ArcMap. MassGIS has prepared a file geodatabase Raster Catalog into which you can load your images. Just follow these steps:

STEP 1. Download the zipped file geodatabase.

The download link is

http://wsgw.mass.gov/data/gispub/images/coq2013_30cm_jp2/IMGCAT_COQ2013_2014_JP2_30CM_gdb.zip

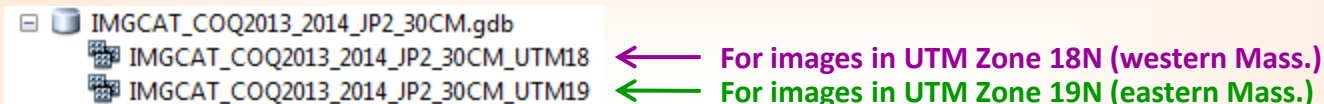
STEP 2. Unzip (Extract) the .zip file.

 IMGCAT_COQ2013_2014_JP2_30CM_gdb.zip

The .zip file contains a file geodatabase named IMGCAT_COQ2013_2014_JP2_30CM.gdb, for use in ArcGIS 9.3 and above. Place this in a folder where you have downloaded the imagery or a folder of your choice.

STEP 3. Open ArcCatalog and navigate to the file geodatabase.

The file geodatabase contains two raster catalogs:

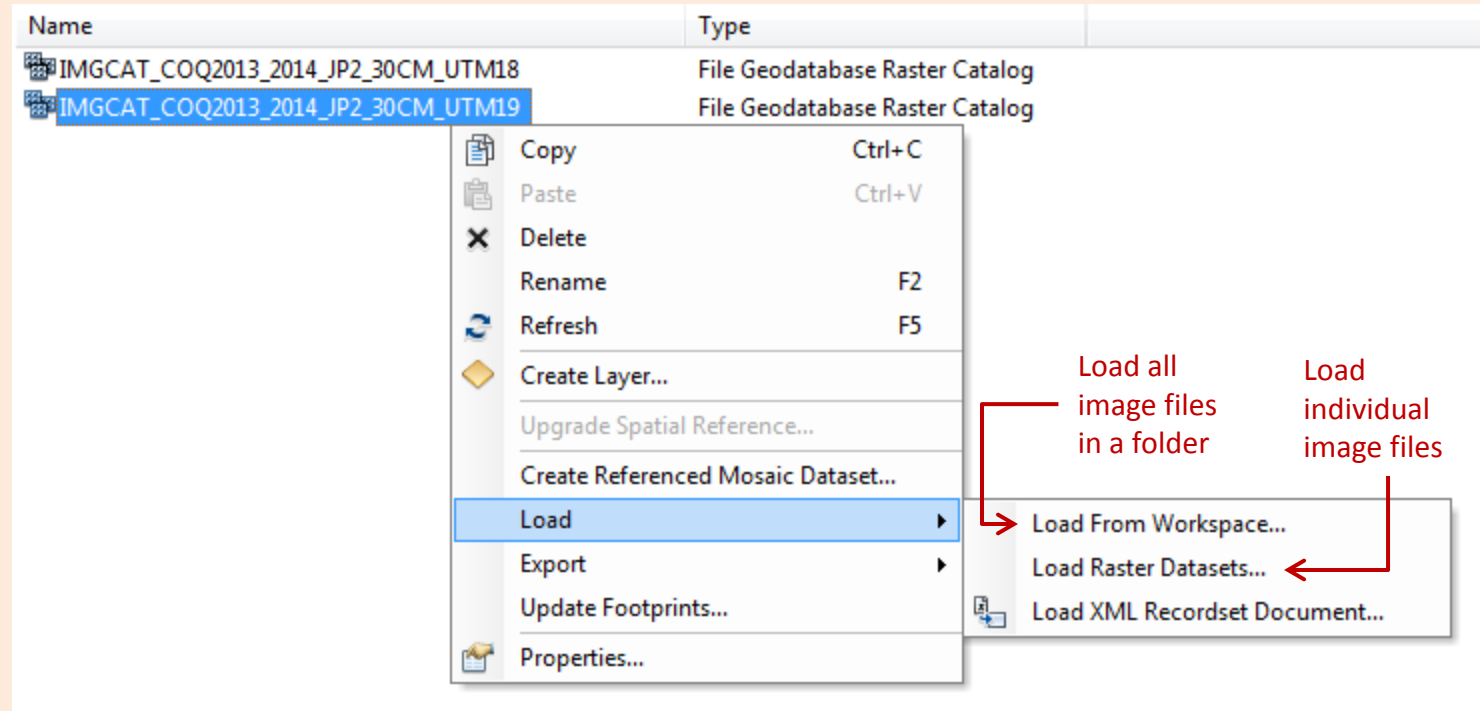


Notes:

- Two raster catalogs are necessary because they are set to store imagery in different coordinate systems.
- These raster catalogs are “unmanaged”, meaning they simply store pointers to the JP2 files; the images are not converted to geodatabase raster datasets.

STEP 4. Load the Imagery into the Raster Catalogs.

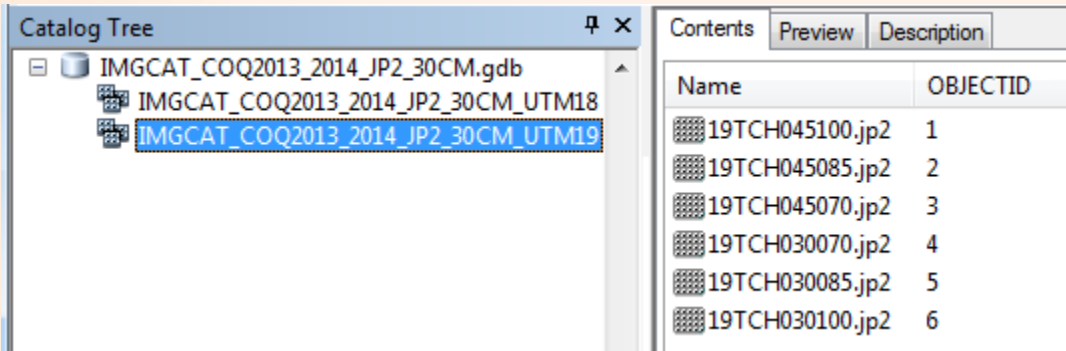
Right-click the appropriate Raster Catalog for the images you have downloaded (**see notes below) and choose **Load >**



**** IMPORTANT NOTES – in order for the images to draw in the correct location:**

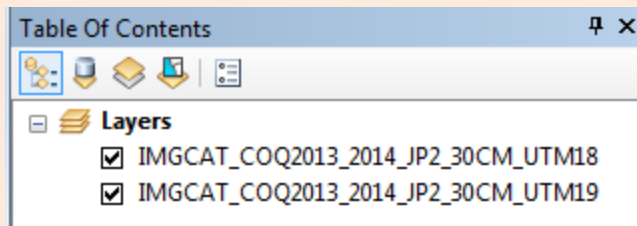
- Be sure to load the images with names that begin with “18T” into the **IMGCAT_COQ2013_2014_JP2_30CM_UTM18** raster catalog.
- Be sure to load the images with names that begin with “19T” into the **IMGCAT_COQ2013_2014_JP2_30CM_UTM19** Raster Catalog.

Once the images are loaded, they will appear like this in ArcCatalog:



Note: You can continue adding images into an existing Raster Catalog should you download more in the future.

STEP 5. Add the Raster Catalog(s) to ArcMap.



If loaded properly, both Raster Catalogs may be added to the same data frame and will project on the fly with data in different coordinate systems.

Note: A "wireframe" may appear instead of the images if you are zoomed out too far or if the Raster Catalog contains a number of images beyond the default "number of rasters in the extent" setting. See the Display tab > Wireframe Display section in the Raster Catalog's Layer Properties dialog.

Change display settings for the imagery in the Display and Symbology tabs in each Raster Catalog's Layer Properties dialog.

