

Image Analysis for ArcGIS FAQs¹



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How Do I Subset Using an Analysis Mask?

Use Image Analysis to subset an image using an Analysis Mask. Many times it is preferable to subset an image before processing further. This document describes how to subset an image using an Analysis Mask in Image Analysis.

What You Will Need and Other Assumptions

- Any raster image

Overview of Steps

1. Set the Analysis Mask.
2. Subset the image.
3. Inspect the results.

Step-by-Step Example

1. Start ArcMap from your Desktop, or on the Windows Taskbar click **Start | Programs | ArcGIS | ArcMap**. Ensure the Image Analysis extension is visible. If not, from ArcMap's main menu select: 1) **Tools | Extensions** and enable **Image Analysis**; and 2) **View | Toolbars** and enable **Image Analysis**.
2. Select the **Add Data** button to load an image from which you would like to subset.
3. From the Image Analysis toolbar, select **Image Analysis | Options** and click the **General** tab. Navigate to and select an appropriate GIS layer (raster or feature) as the **Analysis Mask**. The Analysis Mask defines the geographic extent for which further processing will occur. Click **Apply**, and then **OK**. *Note: you can use either a feature or raster layer as an Analysis Mask. For more information, refer to the FAQ **How Do I Create and Set an Analysis Mask?**.*
4. From the Image Analysis toolbar, select **Image Analysis | Data Preparation | Subset Image**. Specify the appropriate **Input Image**, the **Select Desired Band Numbers**, and filename and location for the **Output Image**. Select **Save**, and then **OK**.
5. Inspect the results.

¹ Produced by the USDA Forest Service RSAC (<http://fsweb.rsac.fs.fed.us>). A Forest Service version of Image Analysis for ArcGIS was used to develop this reference document. No warranty is made as to completeness or accuracy.