Image Analysis for ArcGIS FAQs[1]

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How Do I Recode a Thematic Image?

Use the Recode tool in Image Analysis to recode a thematic image. The recode tool is often used to group or combine similar thematic values into the same class. A good example is recoding an unsupervised classification to your final classification scheme. This document describes how to recode a thematic image using Image Analysis.

What You Will Need and Other Assumptions

- A thematic (classified) image

Overview of Steps

1. Load the thematic image to be recoded into ArcMap's Data Frame.
2. Rename the classes in the Table of Contents so that all classes to be grouped together have the same name.
3. Specify the necessary parameters for the Recode tool in Image Analysis and run the recode process.
4. 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. Use the **Add Data** button on the main toolbar of ArcMap to add the thematic image to be recoded to the Data Frame.

3. Once you have determined which classes belong to the same group, **Rename** those classes with the same **Class Name** in the Table of Contents. Be sure the renaming is precise and identical for all like classes that are to be recoded to the same class.

4. Using the **Image Analysis** extension, click **GIS Analysis | Recode**.

5. In the Recode dialog, specify the **Input Image** to be recoded, accept the default value for **Map Pixel Value through Field** (<From View>), and specify an **Output Image**—be sure to write your output to an appropriate project directory. Click **OK**.

6. Inspect the resulting recoded image to ensure all classes were recoded correctly.