Clipping Land Cover Data to an Area of Interest in ArcGIS 10.x

Coastal Change Analysis Program (C-CAP)

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Clip (Basic ArcGIS)

Basic ArcGIS can only clip a raster to the geometry of an area of interest from a vector polygon.

1. Identify raster land cover data.
2. Identify the feature (vector) boundary for the area of interest.
3. ArcToolbox > Data Management Tools > Raster > Clip
   
a. Input Raster: raster land cover
   
b. Output Extent: feature boundary
   
c. Check the box next to: Use Input Features for Clipping Geometry
   
d. Output Raster Dataset: clipped raster land cover
   
e. NoData Value: 0
   
f. Check the box next to: Maintain Clipping Extent
   
g. Then: OK

ArcGIS Help for Raster Clip

ArcGIS 10.x Help > Desktop > Geoprocessing > Tool Reference > Data Management toolbox > Raster toolset > Raster Processing toolset > Clip
Extract by Mask (Spatial Analyst)

ArcGIS with Spatial Analyst can clip a raster to the geometry of an area of interest from a vector polygon or raster data.

1. Identify raster land cover data.
2. Identify the vector or raster boundary for the area of interest.
3. ArcToolbox > Spatial Analyst Tools > Extraction > Extract by Mask

![Extract by Mask](image)

ArcGIS Help for Extract by Mask (Spatial Analyst)

ArcGIS 10.x Help > Desktop > Geoprocessing > Tool Reference > Spatial Analyst toolbox > Extraction toolset > Extract by Mask