



✘ Bug: Projecting a raster using Project Raster tool results in an output raster with smaller extents

Article 27354

ID:

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Software: ArcGIS - ArcEditor 9.0, 9.1 ArcGIS - ArcInfo 9.0, 9.1 ArcGIS - ArcView 9.0, 9.1

Platforms: N/A

Description

Projecting a raster using Project Raster tool results in an output raster with smaller extents and missing data.

Cause

This is a known issue, which occurs if the input raster is in a geographic coordinate system, the output is in a projected coordinate system, and the output cell size is left blank.

Workaround

There are two workarounds for this issue.

- **Set the output cell size in the tool**
In the Project raster tool, specify a cell size for the output raster. This value can be difficult to determine since the units are going from decimal degrees to the new linear units of the output raster. However, this is the best option if the tool must be used in a model or script.
- **Export raster layer in ArcMap**
 1. Add the raster to a new MXD in ArcMap.
 2. Project the data frame to the desired coordinate system.
 3. Right click the raster layer and select Data > Export data.
 4. Select Data Frame (Current) from the Spatial Reference options.

5. Make any other necessary selections.
6. Select name, type, and location to output the new raster and click Save.

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