# GEODATA

- The Geodata folder (F:\geodata) on the service center servers contains shared geospatial data, such as ortho imagery, soils, base maps, common land units, etc.
- USDA national policy mandates that the Geodata folder in all service centers contain specific folders and naming conventions.
- A Local Geodata Administrator in each service center has been appointed to ensure that the official Geodata structure guidelines are followed and to help manage and monitor this folder.

# Local Geodata Administrators

- There will be one Geodata Administrator from NRCS and one from FSA in each service center that will have the authority and permissions to maintain the content and integrity of files and folders on F:\geodata.
- The Geodata Administrators must ensure that the standard Geodata file structure is in-line with national guidelines by **March 31, 2008**. Any folder or data file that does not belong in F:\geodata will be removed after that date. If any data must be kept, it can be moved to a local drive (H:\, C:\).
- The State Geodata Administrator will work with the local administrators as needed upon request.
- The State Geodata Administrator will periodically monitor the Geodata folders for permissions and content to ensure adherence to technical standards and policies.

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# Geodata Structure

Verify that there are exactly 32 subfolders (9 containing additional folders) on F:\geodata\. Those folders include:

**air_quality**
**cadastral**
**census**
**climate\precipitation**
**\temperature**
**common_land_unit\fsa_clu**
**conservation_practices**
**cultural_resources**
**disaster_events\fsa_facilities**

# Geodata Structure (cont.)

ecological
elevation
endangered_habitat
environmental_easements\fsa
geographic_names
geology
government_units
hazard_site
hydrography
hydrologic_units
imagery\compliance_fsa
land_site

# Geodata Structure (cont.)

land_use_land_cover\fsa_compliance
map_indexes
measurement_services\gps_data
ortho_imagery\DOQ_1998
\DOQ_2005
project_data\fsa
\nrcs
\rcd
\swcd
public_utilities
soils

# Geodata Structure (cont.)

topographic_images
transportation
wetlands
wildlife
zoning

# Ortho Imagery

- Remove any individual 1998 or 2004 DOQQ (Quarter-quadrangles) imagery on the F:\geodata\ortho_imagery folder. Use the set of DOQQs on CD if you need to reference them.
- Every service center should currently have the 1998 and 2004 ortho mosaic imagery. Some offices will also have 2005 imagery (post hurricanes).
- The next slide will show where to place the mosaics with different dates.

# Ortho Imagery (cont.)

- 1998 ortho mosaics (ortho_e1_1_s_<fips>) shall be placed in:
  **F:\geodata\ortho_imagery\DOQ_1998**
- 2004 ortho mosaics (ortho1-1_s_<fips>) shall be placed in:
  **F:\geodata\ortho_imagery**
- 2005 (post hurricane) ortho mosaics (ortho1-1_1c_s_<fips> shall be placed in:
  **F:\geodata\ortho_imagery\DOQ_2005**
- Note that each mosaic is comprised of at least 3 file formats (.aux, .sdw, .sid)

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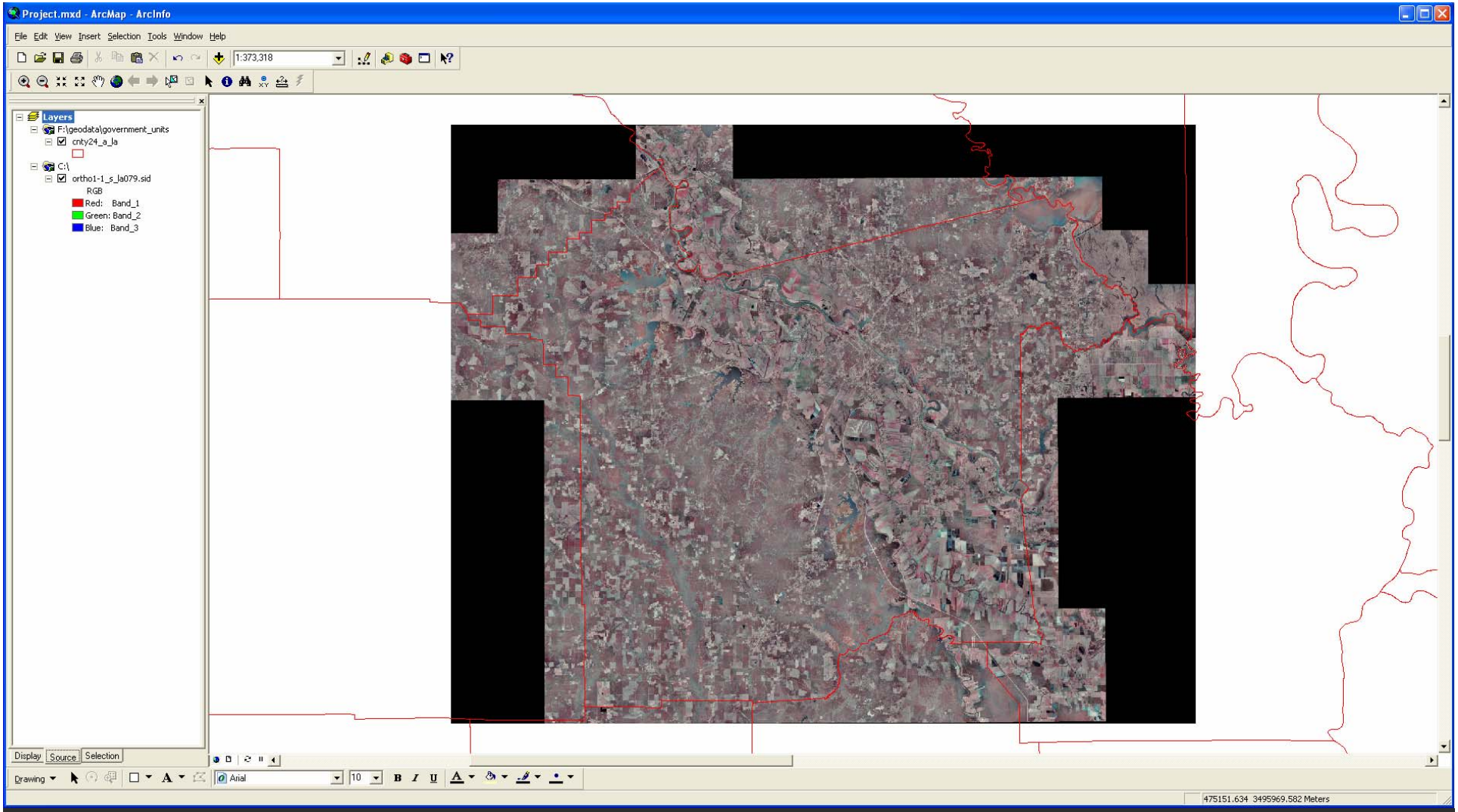
# How to Fix Broken Links in ArcMap

- If an item that was previously linked to an ArcMap project is removed from its original location, ArcMap will no longer be able to locate it.
- The next set of steps will show how to reestablish data links that have been broken.




This ArcMap project contains an image that is located in C:\. If, however, the data is moved to another directory, ArcMap will no longer be able to find the map layer.

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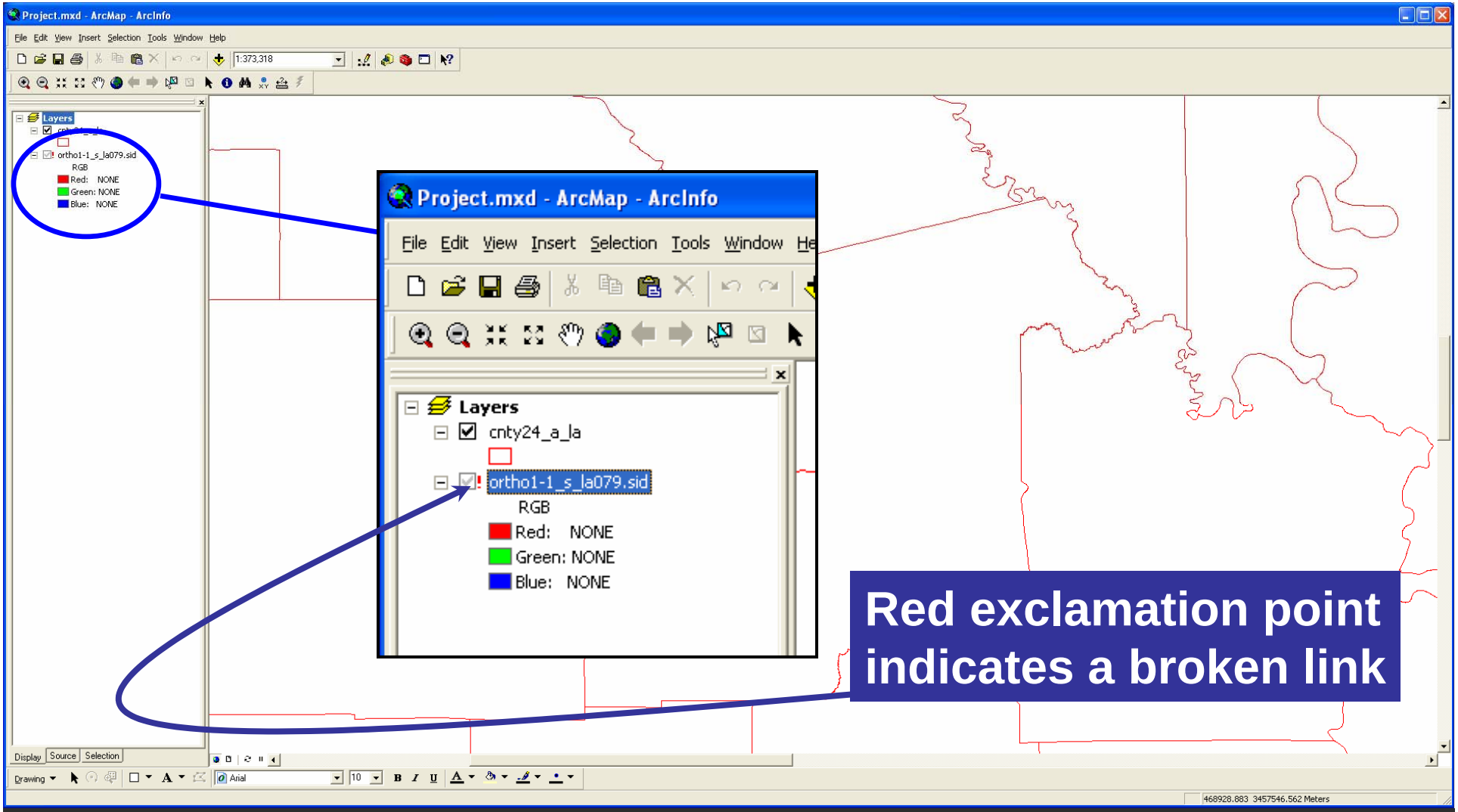
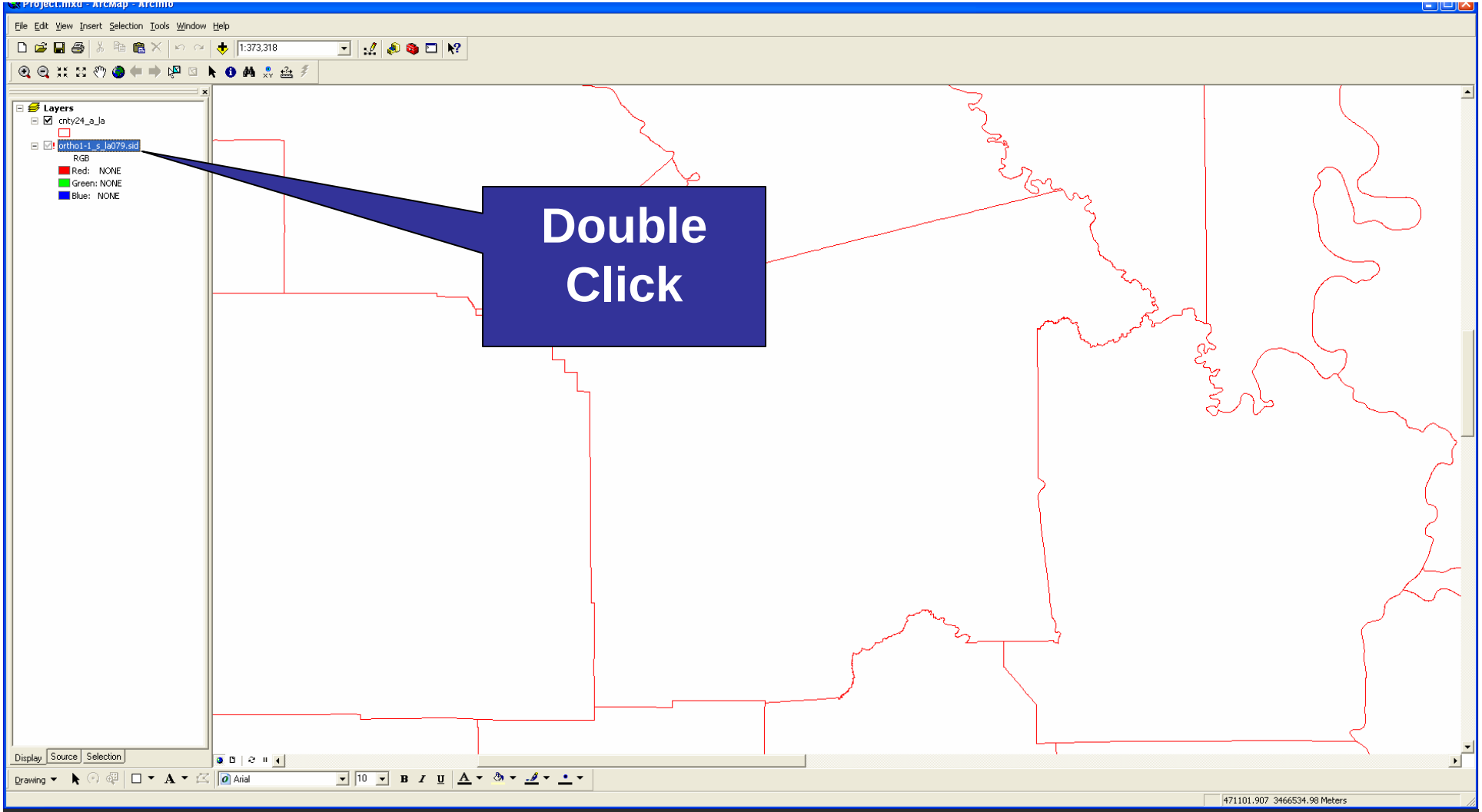
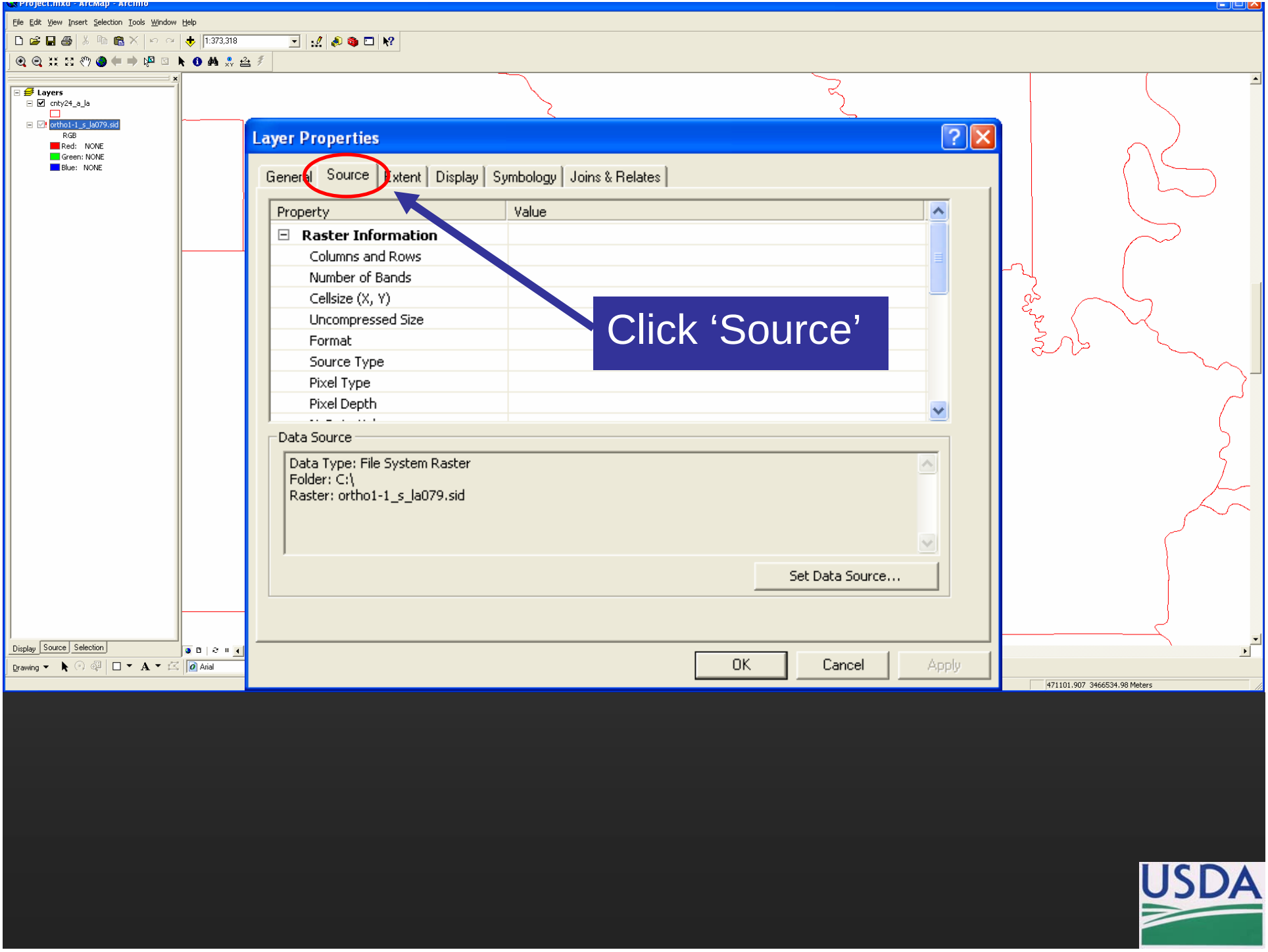
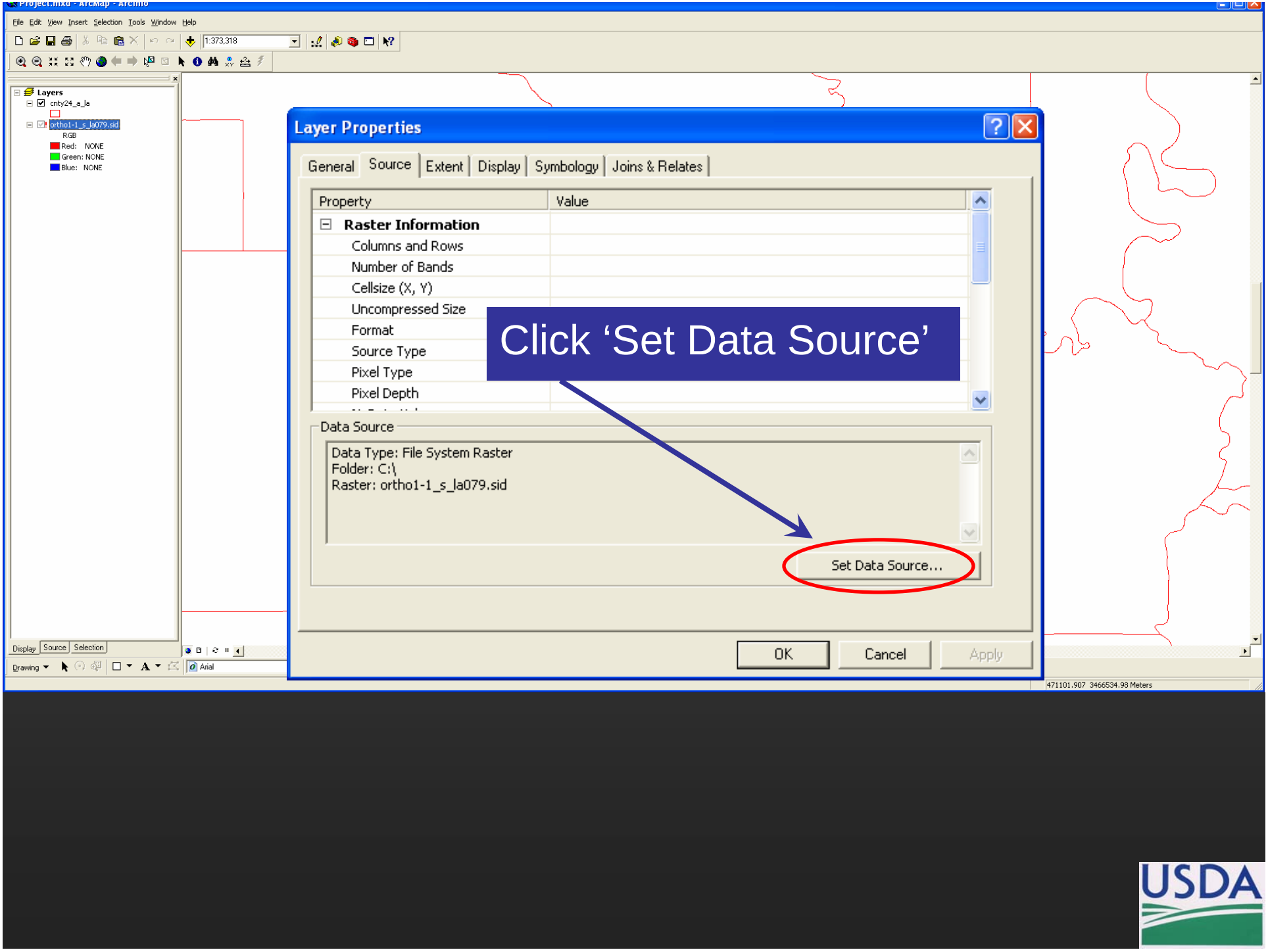


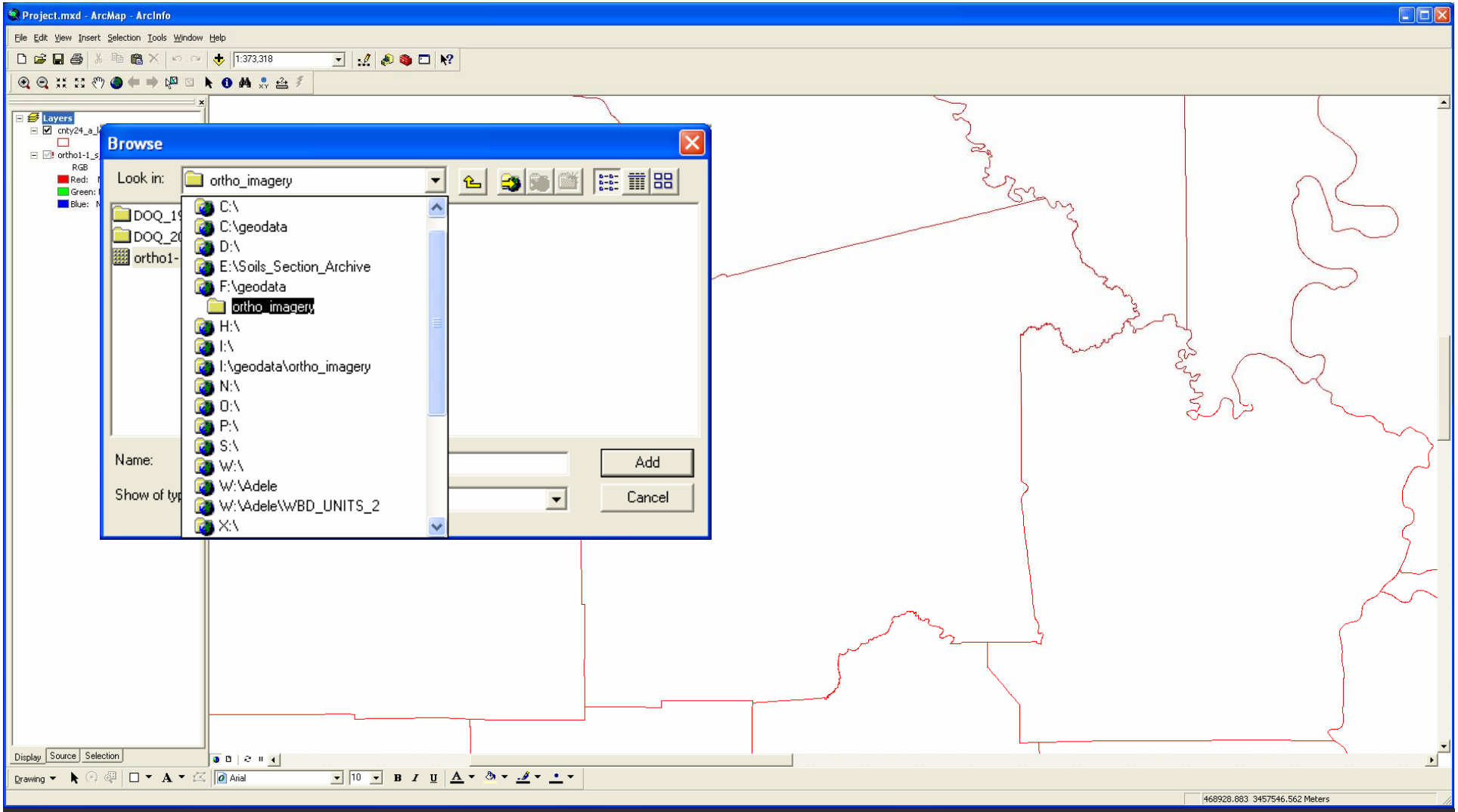

The above image shows where data is moved from C:\ to F:\. ArcMap can no longer find the data. The name of the data layer is listed in the legend, but not in the view.



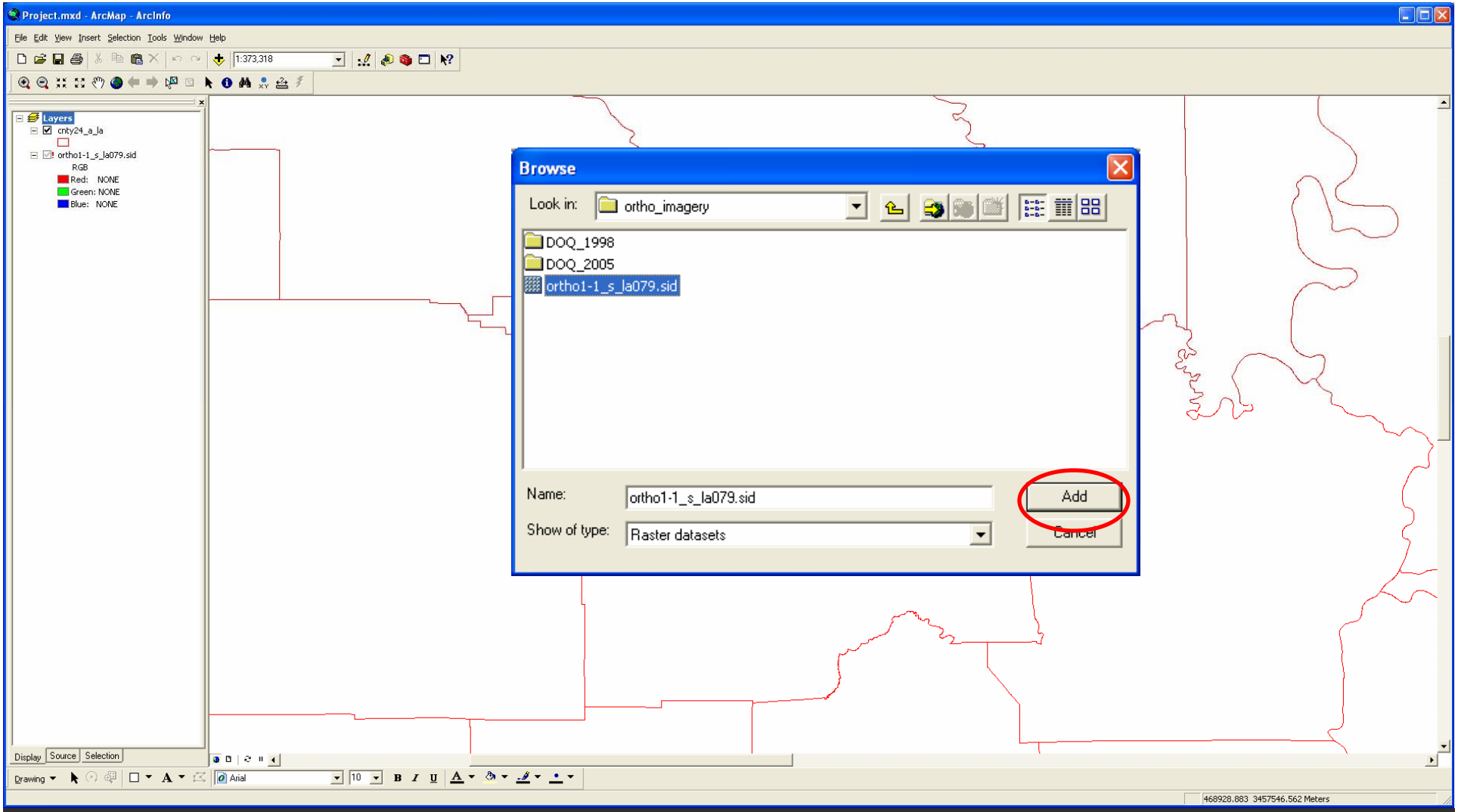

To reestablish the data link, double click the name of the layer in the table of contents, which will open up the Layer Properties.


Layer Properties
General
Source
Extent
Display
Symbology
Joins & Relates
Property
Value
Raster Information
Columns and Rows
Number of Bands
Cellsize (X, Y)
Uncompressed Size
Format
Source Type
Pixel Type
Pixel Depth
Data Source
Data Type: File System Raster
Folder: C:\
Raster: ortho1-1_s_la079.sid
Set Data Source...
OK
Cancel
Apply
Click 'Source'

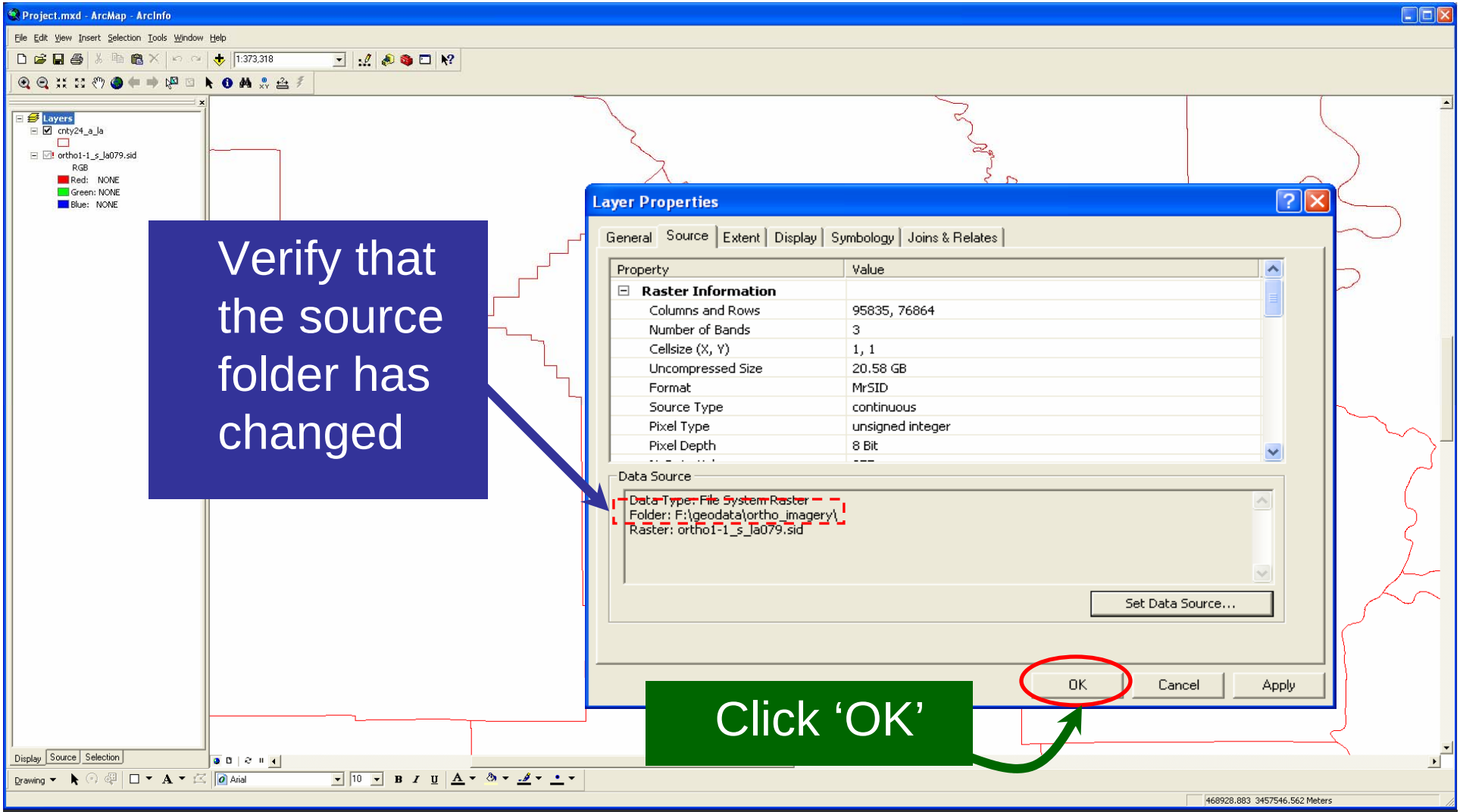

Layer Properties
General
Source
Extent
Display
Symbology
Joins & Relates
Property
Value
Raster Information
Columns and Rows
Number of Bands
Cellsize (X, Y)
Uncompressed Size
Format
Source Type
Pixel Type
Pixel Depth
Click 'Set Data Source'
Data Source
Data Type: File System Raster
Folder: C:\
Raster: ortho1-1_s_la079.sid
Set Data Source...
OK
Cancel
Apply

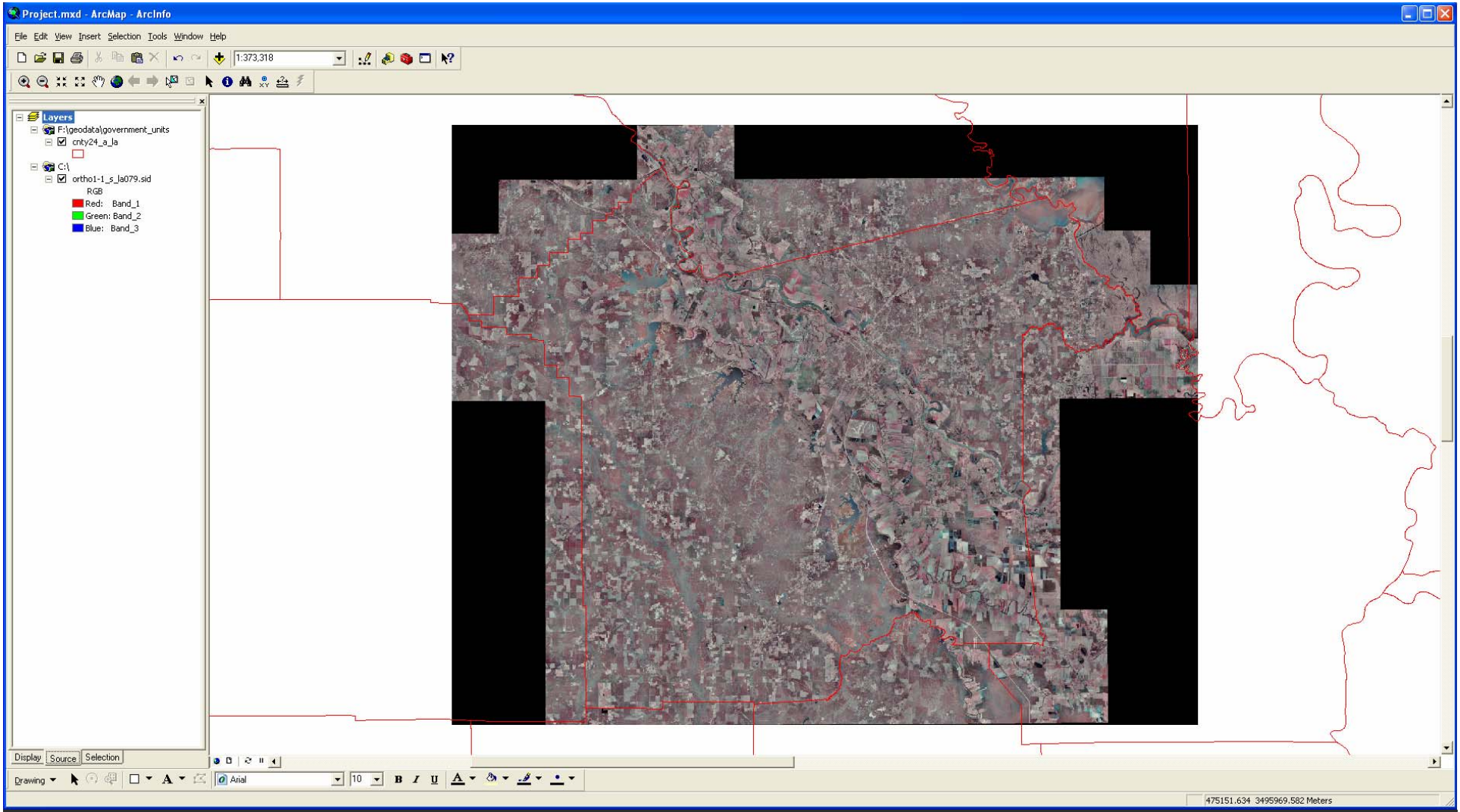



Browse to the new folder location where the data is currently located. In this example, it will be F:\geodata\ortho_imagery\. Click on folder to open.




Once in the folder directory, click the desired data layer to reestablish the data link to the ArcMap project. Then click ‘Add’.


Project.mxd - ArcMap - ArcInfo
File Edit View Insert Selection Tools Window Help
1:373,318
Layers
cnty24_a_la
ortho1-1_s_la079.sid
RGB
Red: NONE
Green: NONE
Blue: NONE
Display Source Selection
Drawing
Arial
10
Verify that the source folder has changed
Layer Properties
General Source Extent Display Symbology Joins & Relates
Property
Value
Raster Information
Columns and Rows
95835, 76864
Number of Bands
3
Cellsize (X, Y)
1, 1
Uncompressed Size
20.58 GB
Format
MrSID
Source Type
continuous
Pixel Type
unsigned integer
Pixel Depth
8 Bit
Data Source
Data Type: File System Raster
Folder: F:\geodata\ortho_imagery\
Raster: ortho1-1_s_la079.sid
Set Data Source...
OK
Cancel
Apply
Click 'OK'
468928.883 3457546.562 Meters




The data should now be restored!  Save the project!!

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