

# USDA FSA Aerial Photography Field Office GIS Dataset Viewer

<http://gis.apfo.usda.gov/gisviewer/>

The following instructions describe how to use the GIS Dataset Viewer to identify aerial imagery from the following programs:

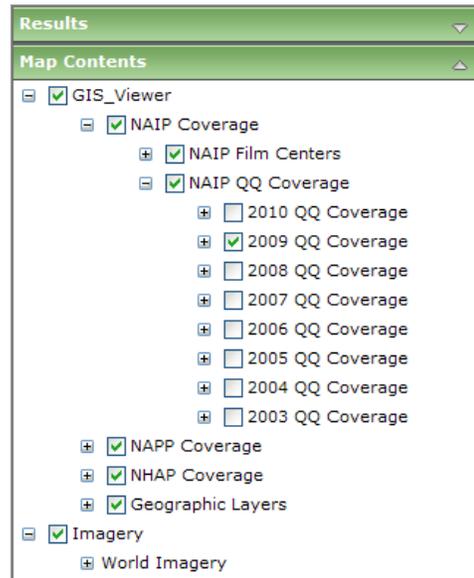
NAIP (2003-present)

NAPP (1987-2007)

NHAP (1980-1989)

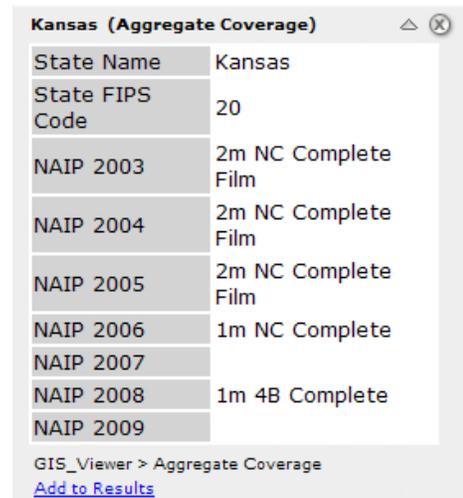
## To view a single year of nationwide NAIP Quarter-Quad coverage:

1. On the left side of the page, under **Map Contents**, expand (⊕) the **NAIP Coverage** layer, then expand (⊕) the **NAIP QQ Coverage** layer and check (☑) the year of desired NAIP coverage. In the map, **orange indicates the availability of one meter resolution imagery**, and **blue indicates two meter resolution**.



## To view all NAIP coverage for a single state:

1. Click the ⓘ symbol in the toolbar , then click in the center of a state. For smaller states, it may be necessary to 🔍 enlarge your area of interest in the map.
2. When the **Aggregate Coverage** window opens, click the white drop-down arrow. This menu will show each year that NAIP imagery is available for that particular state, its resolution in meters, whether it has Natural Color (NC), Color Infrared (CIR) or Four Band (4B) imagery, and whether the state has complete or partial coverage for that year. If **Film** is listed, then film reproductions are available for that state and year.



Year	Resolution	Color	Coverage
NAIP 2003	2m	NC	Complete Film
NAIP 2004	2m	NC	Complete Film
NAIP 2005	2m	NC	Complete Film
NAIP 2006	1m	NC	Complete
NAIP 2007			
NAIP 2008	1m	4B	Complete
NAIP 2009			

GIS\_Viewer > Aggregate Coverage  
[Add to Results](#)

### To find coverage by place name:

1. Click the **Find Place** button in the top toolbar. When the window opens, select the appropriate state. Enter a **City or Town** name in the box and click the **Find**. A red pushpin will appear over your selected place.

**Hint:** *If you only know part of a place name, % can be used as a wild card (e.g. **Baton %** for **Baton Rouge**).*

2. When your place name appears in the **Results** box, right click on the place name and select **Zoom to**. The place you searched for is now shown in the map. Further magnification may be necessary to see desired map detail.

### To find coverage by county:

1. Click the **Find County** button in the top toolbar. When the window opens, select the appropriate state. Enter the name of the county in the box and click the **Find** button.
2. When your county name appears in the **Results** box, right click on the county name and select **Zoom to**. The county you searched for is now shown in the map.

### To find coverage by PLSS (Township and Range):

1. Click the **Find PLSS** button in the toolbar. Select the state and enter a township and range in the following format: **24N 16W**. Do not include the section number.
2. When the township and range appears in the **Results** box, right click on the township and range description and select **Zoom to**. The township is now shown in the map.
3. At this point, the numbered sections can be seen by expanding (⊕) **Geographic Layers** in Map Contents, then expanding (⊕) the **Land Management** layer and checking (☑) both the **Land Management** and **PLSS** layers.

### To find coverage by quarter quad name or ID:

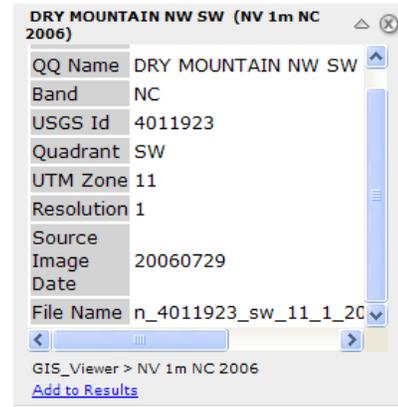
1. Click the **Find QQ** button in the top toolbar. When the window opens, enter a **quarter quad name** or a **quarter quad ID** (example: *Beowawe nw* or *4011629NW*).

**Hint:** *A partial name or ID may be entered to perform a search function.*

2. Right click on the Quarter Quad ID in the **Results** box and choose **Zoom to**. The quarter quad you searched for is now shown in the map.

## To find details about a specific NAIP digital quarter quad (QQ) image:

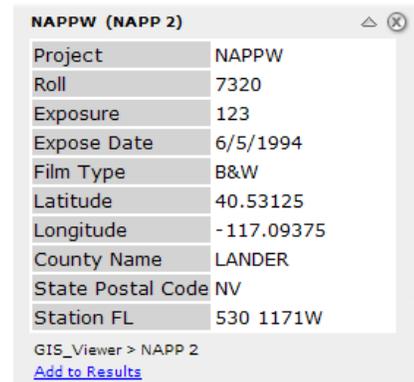
1. Under **Map Contents**, expand (⊕) the **NAIP Coverage** layer, then expand (⊕) the **NAIP QQ Coverage** menu and check (☑) the year of desired NAIP QQ imagery.
2. In the map, **orange grid lines indicate one-meter resolution** and **blue grid lines indicate two-meter resolution** quarter-quads. If a NAIP year is selected and no quarter quad lines are visible, this indicates there is no coverage for this location for that year.
3. To get detailed information about a specific quarter quad image, first click the ⓘ symbol in the toolbar, and then click on a quarter-quad area in the map. When the identify window opens, hover cursor over the identify window and click the black drop-down arrow.



**Note:** the **Source Image Date** is the date the image was captured, and is read YYYYMMDD, so the above example shows a date of July 7, 2006. The **File Name** is the identifier used by the USDA to identify a specific quarter-quad. This identifier may differ from other quarter-quad (12k) identification systems.

## To find details about a specific NAIP/NAPP/ NHAP film photo center

1. Expand (⊕) the appropriate **NAIP/NAPP/NHAP Coverage** layer, then expand (⊕) the subsequent **NAIP/NAPP/NHAP Film Centers** layer. Zoom into your area of interest until the **Film Centers** listings are no longer grayed out.
2. Check (☑) a desired year or project name of film coverage. If film is available for that particular year, the labeled film exposure centers will appear on the map. *A single NAIP or NAPP film exposure covers approximately 2.8 miles in every direction from the film center. A single NHAP exposure covers approximately 4.2 miles from the film center.*
3. Select the ⓘ symbol in the tool bar, and click directly on one of the film centers in the map. In the pop-up window, hover your cursor over the identify window and click on the black drop-down arrow. Select the desired film project from the drop-down menu. *Center points on the map are also labeled with roll, spot and exposure numbers.*
4. When ordering film reproductions from the APFO, please note the year, roll, and exposure number. If present, do not omit leading zero(s) from the roll number



## **Additional NAIP Coverage Products:**

ArcMap 9.3 and above users can navigate to the NAIP state-based web service by adding the following ArcGIS Server connection:

<http://gis.apfo.usda.gov/arcgis/services>

Instructions can be found at:

[http://www.fsa.usda.gov/Internet/FSA\\_File/arcgisserverwebservicevia\\_93.pdf](http://www.fsa.usda.gov/Internet/FSA_File/arcgisserverwebservicevia_93.pdf)

Clicking on links in the upper right-hand corner of the GIS Dataset Viewer window will display:

**Order Online** -- Customer Order Entry System for ordering NAIP quarter-quads:

<https://coes.apfo.usda.gov/>

**Downloads** – NAIP state-based quarter-quad and film photo center shapefiles available for download. You may use the state coverage shapefiles for your own GIS projects at:

<http://www.fsa.usda.gov/FSA/apfoapp?area=home&subject=prog&topic=landing>

**NAIP PDF** – Interactive non-GIS NAIP coverage map in PDF format. This document may be used independently from the GIS Dataset Viewer and provides basic NAIP coverage information:

[http://www.fsa.usda.gov/Internet/FSA\\_File/naip\\_coverage03-09.pdf](http://www.fsa.usda.gov/Internet/FSA_File/naip_coverage03-09.pdf)

**About USDA Imagery** – Information about the various USDA aerial imagery programs:

<http://www.fsa.usda.gov/FSA/apfoapp?area=home&subject=prog&topic=landing>

**Help**- Provides a link to this tutorial

For your convenience, a decimal degree latitude / longitude indicator is provided in the lower left corner of the map browser. This feature may not be available in all browsers.

Disclaimer: The USDA/FSA/APFO GIS Dataset Viewer is for coverage purposes only and is not suitable for legal, engineering, or surveying purposes. The imagery base layer or background imagery is for illustration purposes only, and is taken from the ESRI Imagery Service which may include imagery from non-NAIP sources.

For further information or assistance, contact:

US Department of Agriculture  
Farm Service Agency  
Aerial Photography Field Office  
Customer Service Section  
2222 West 2300 South  
Salt Lake City, UT 84119-2020  
Tel: 801-844-2922  
Fax: 801-956-3653  
Email: [apfo.sales@slc.usda.gov](mailto:apfo.sales@slc.usda.gov)  
Website: [www.apfo.usda.gov](http://www.apfo.usda.gov)

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