

APFO Data Distribution and Services

Bulk Data Distribution

- Options:
 - CD
 - DVD
 - LTO4 Tape (**New this year**)
 - Hard Drive
 - Requestor has the option of using drives provided by APFO or providing New, unopened hard drives.
- Web Services
- Web based applications

Resource Data Gateway

- Joint effort between NRCS and APFO
- “Canned” CCM
- CCM’s uploaded upon receipt
- Open access – no account required
- CLU requires Level 2 E-Auth
- Maximum download per session is 4GB

Customer Order Entry System (COES)

- Account required, no PII data is retained
- Quarter Quads – “Canned Product”
 - Available upon completion of contract
 - Print or Media
 - AOI determines media

- <http://199.158.165.58/oe/search.jsp>

Data Provisioning System

- Account required, user must make request
 - Send request to lori.uhlhorn@slc.usda.gov
- Account valid for 90 days
- Available at no cost for Emergency responders
- Allows user to “customize” QQ’s

- Mosaic & Combiner Mosaic
- Projection & Datum Options Collapse I
- Projection Albers Conical Equal Area Geographic Lambert Conformal Conic State Plane Transverse Mercator UTM
- Datum NAD27 CONUS NAD27 CONUS (ERDAS Imagine) NAD27 NADCON NAD83 CONUS NAD83 NADCON WGS 1972 WGS 1984
- Conic Projection Options
- State Plane Projection Options
- UTM Projection Options
- Resampling Options
- Method Bilinear Interpolation Cubic Convolution Nearest Neighbor
- GSD (X) m
- GSD (Y) m
- Use My Defaults
- Pixel Type Point Area
- Color Options Collapse
- Grayscale 3-Band Color
- Color Banding
- Grayscale Band: 1 2 3
- Histogram-based Color Enhancement
- Histogram Mode NONE Match Linear Contrast Stretch

- <http://199.158.166.107/earthwhere/index.jsp>



Search Define Generate New Product

Location

Coverages: ADI

Center (Lon,Lat): -95.0000000000, 38.0000000000 | Scale: 1 : 76500275 | Map Details

Search Criteria

Reset Apply

Filters

Sources

Select Data Source Type(s)

- DRG24K
- DRG250K
- DTEDL1
- ETM
- IKONOS
- PhotoIndex
- QuickBird
- Sample_Vector
- Shaded_Relief
- az-m-1-2007

Note: Hold Ctrl + [Left] Click to select multiple.

Clear Select All Select My Data Sources

Dates

Attributes

Search Results

Available Elements 139 of 139 Elements Selected Advanced Sort

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	98489	n-1-2004	4411121se	Jul 31, 2004	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	98491	n-1-2004	4411121sw	Jul 31, 2004	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	98495	n-1-2004	4411122nw	Jul 31, 2004	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	98499	n-1-2004	4411122sw	Jul 31, 2004	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	212782	n-1-2005	4411104ne	Aug 5, 2005	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	212783	n-1-2005	4411104nw	Aug 5, 2005	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	212784	n-1-2005	4411104se	Aug 5, 2005	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	212785	n-1-2005	4411104sw	Aug 5, 2005	1.000000000	3	F
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	212814	n-1-2005	4411112ne	Aug 5, 2005	1.000000000	3	F



Search Define Generate New Product

Location

Coverages: ADI

Center (Lon,Lat): -111.355685131, 45.023323615 | Scale: 1 : 1338197 | Map Details

Search Criteria

Reset Apply

Filters

Sources

Select Data Source Type(s)

- DRG24K
- DRG250K
- DTEDL1
- ETM
- IKONOS
- PhotoIndex
- QuickBird
- Sample_Vector
- Shaded_Relief
- az-m-1-2007

Note: Hold Ctrl + [Left] Click to select multiple.

Clear Select All Select My Data Sources

Dates

Attributes

Search Results 9 of 9 Elements Selected Advanced Sort

Zoom	Select	Action	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
Q	<input checked="" type="checkbox"/>	P,C,L	214964	n-1-2005	4511152se	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	214966	n-1-2005	4511152sw	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	215024	n-1-2005	4511160ne	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	215026	n-1-2005	4511160nw	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	215028	n-1-2005	4511160se	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	215030	n-1-2005	4511160sw	Aug 5, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	214974	n-1-2005	4511153sw	Aug 20, 2005	1.000000000	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	215024	n-1-2005	4511160ne	Aug 20, 2005	1.000000000	3	F

Select All Deselect All © 2006 SANZ Inc. All rights reserved. Privacy Policy Create Product Next



Product Parameters

Reset All Product Parameters Expand/Collapse All

Product Parameters

Mosaic & Combiner Options

Mosaic

Method **Ortho Image**

Data Element Ordering

Projection & Datum Options

Resampling Options

Color Options

Filter Options

Output Options

Product Output

Output Name, Location, Notification

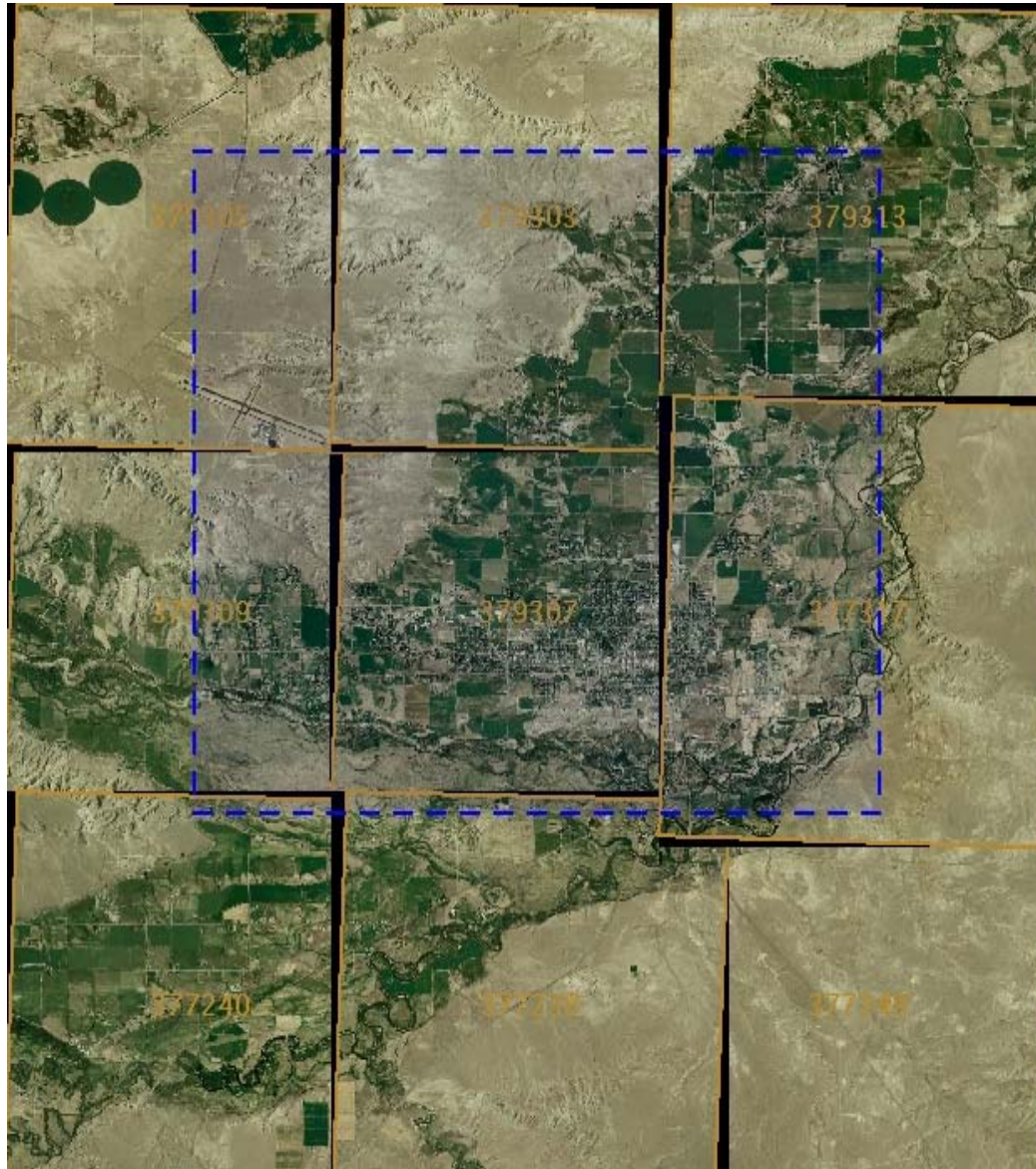
Preview Map

Center (Lon,Lat): -108.409743246, 43.036515811 | Scale: 1 : 126493 | [Map Details](#)

Back

Generate Preview

Generate Product





Product Parameters

Reset All Product Parameters Expand/Collapse All

Product Parameters

Mosaic & Combiner Options

Mosaic

Method

Data Element Ordering

Projection & Datum Options

Resampling Options

Color Options

Filter Options

Output Options

Product Output

Output Name, Location, Notification

Product Preview

Product Preview Image:



Back

Generate Preview

Generate Product



Product Parameters

Reset All Product Parameters Expand/Collapse All

Product Parameters

Mosaic & Combiner Options

Mosaic
 Method **Ortho Image**

Data Element Ordering

Projection & Datum Options

Resampling Options

Color Options

Grayscale 3-Band Color

Color Banding

Grayscale Band: **2**

Histogram-based Color Enhancement

Histogram Mode **NONE**

Filter Options


Output Options

Product Output

Output Name, Location, Notification

Product Preview

Product Preview Image:







Search Define Generate New Product

Product Parameters

Reset All Product Parameters Expand/Collapse All

Product Parameters

Mosaic & Combiner Options

Mosaic Method Seam Feathering

Data Element Ordering

Projection & Datum Options

Resampling Options

Color Options

Grayscale 3-Band Color

Color Banding

Red 3 Green 1 Blue 1

Histogram-based Color Enhancement

Histogram Mode Match

Data Element ID for Match 377238 - 4210805ne

Filter Options

Output Options

Product Output

Product Preview

Product Preview Image:



Back

Generate Preview

Generate Product



Web Services

- Via web browser:
- 1) NAIP Viewer -
- <http://gdw.apfo.usda.gov/naip/viewer>

- Via ArcMap
- 2) Add ArcIMS site -
- FY06 data and prior
- <http://gdw.apfo.usda.gov/>

- 3) Add ArcGIS Server site – **State Based**
- FY07 data
- <http://gis.apfo.usda.gov/arcgis/services>

FSA and APFO Joint Ventures

- CLU Centralization
 - Completely redeveloped the replication mechanism this year to eliminate issues caused by null geometry features, residual to the shapefile data model
 - APFO has received complete county datasets from all 3,066 counties with CLU (36,500,000 polygons)
 - Spent 2 weeks “cleansing” the data, in preparation for loading into UTM based databases
 - Preparing for cyclic delivery of monthly transactions
 - Will plug Gateway into SDE databases for CLU delivery once other processes are in operation

FSA and APFO Joint Ventures

- Thin Client Application Centralization
 - FSA is in process on centralizing the Desktop environments currently deployed to COF/SOF
 - Citrix will be utilized to provide thin client access to existing Desktop GIS toolset
 - Pilot of 17 counties planned for February
 - APFO and GIS Office working with OCIO to capture benchmarks for capacity planning and evaluation purposes
 - NAIP web services accessed by the Citrix applications farm in Kansas City

FSA and APFO Joint Ventures

- Virtual Globe ArcGIS Explorer Deployment
 - FSA will be deploying ArcGIS Explorer to COF and SOF in FY09
 - APFO is currently working to re-deploy the NAIP hosting and technical architecture implemented in 2003 in the GDW
 - ArcGIS Server hosted 3-D Globe cache of best available NAIP, updated each year, for use in ArcGIS Explorer in COF/SOF
 - Image Server hosted suite of state based NAIP services for each year of NAIP acquired to date, for use in FSA Desktop applications
 - ArcGIS Server hosted 2-D Map cache of best available NAIP, updated each year, for use as base map in web applications