



Aerial Photography Field Office

Data Provisioning System Exercises for
Hurricane Rita Support

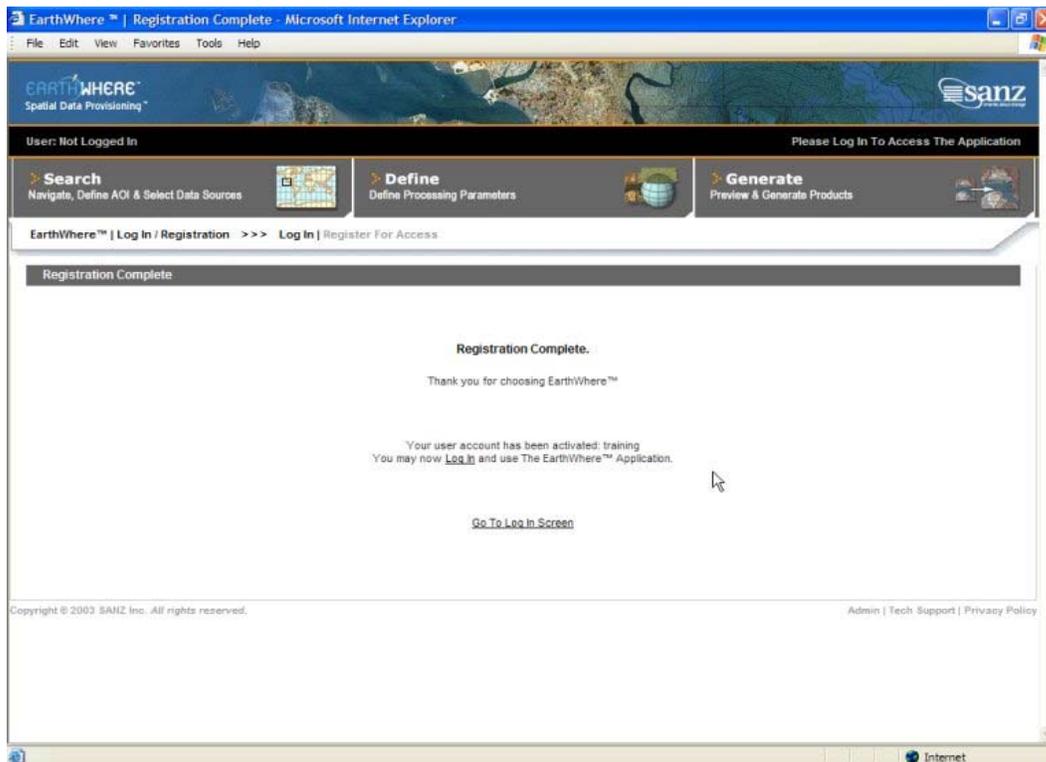
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EXERCISE 1: REGISTRATION AND LOGIN

This exercise shows you how to register, log in the system, and change your current account information to customize your preferences.

1. The system administrator has already completed the registration screen for your account access to the APFO Data Provisioning System.

Reply to the system email to confirm your email address and you will then see the screen below.



2. Access the EarthWhere Application at:

<http://199.158.166.107/earthwhere>

Enter your **User Name** and **Password**, and then click **Log In**. This is typically your first initial and last name for both the User Name and Password.

The screenshot shows the EarthWhere APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below the header, there is a navigation bar with three main sections: "Search" (Navigate, Define AOI & Select Data Sources), "Define" (Define Processing Parameters), and "Generate" (Preview & Generate Products). A "Register To Access The Application" link is also present. The main content area is divided into two columns. The left column contains a "Viewing Requirements" section with the following text: "EarthWhere™ Version 3.6.3 requires the following:", "[Display] Minimum Monitor Resolution: 1024x768 display @ 16 bit Optimum Monitor Resolution: 1280x1024 or larger @ 32 bit", "[Browser] Internet Explorer Versions 5.5 SP2, 6.0 SP1 or 6.0 SP2 Netscape Navigator Version 7.02 Mozilla Version 1.2.1, 1.7.1 or Firefox 1.0 (Linux or Windows)", and an "Account Log In" section with "Username:" and "Password:" input fields, a "Log In" button, and links for "Forgotten or misplaced your Username and Password?" and "Click Here to Register.". The right column features a large graphic of a globe with a city map overlay, listing features: "Advanced Data Management", "Automated Distribution", "On-Demand Processing", and "Intelligent Archival". Below the globe, it states "The only solution optimized for the management of geospatial data." and includes the EarthWhere logo. At the bottom of the page, there is a copyright notice: "Copyright © 2002 - 2004 SANZ Inc. All rights reserved." and a footer with links for "Admin | Tech Support | Privacy Policy".

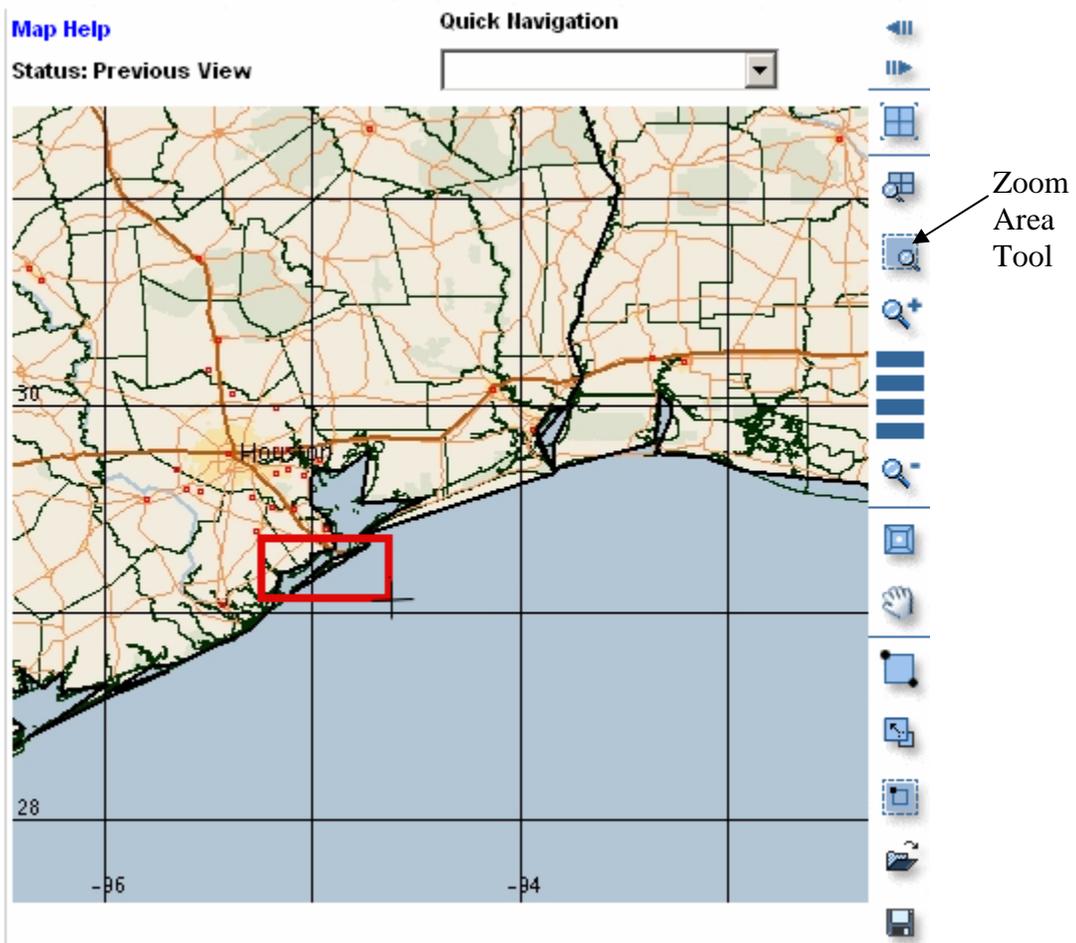
EXERCISE 2: MAP SEARCH & PROVISION JOB

This tutorial teaches you how to conduct a **Map Search**.

1. Select **Hurricane Rita** in the **Quick Navigation** drop-down list on the **Map** search page.

The screenshot displays the EarthWhere APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below this, a navigation bar includes "Search", "Define", and "Generate" sections. The main content area shows a map of the Gulf of Mexico region with a dropdown menu open under "Quick Navigation". The dropdown menu lists several options, with "Hurricane Rita" highlighted. To the right of the map, there are controls for "Query Coverages On Map" and "Available Data Elements". The "Available Data Elements" section shows a table with columns for "Zoom", "Select", "Action", "ID", "Data Source", "Description", "Acquired Date", "GSD", "Bands", and "Priv". The table currently shows 0 of 0 records selected. At the bottom of the interface, there is a copyright notice for SANZ Inc. and links for Admin, Tech Support, and Privacy Policy.

3. Click the **Zoom Area** button  in the map tool bar. Select the area shown below on the map using your cursor. This area below Houston is the Galveston area.



EarthWhere zooms in to the area you define.

USDA United States Department of Agriculture
APFO Data Provisioning System

User: training2 | Email: cpeters@sanz.com New Job | My Profile | Previous Jobs | Help | Log Out

Search Navigate, Define AOI & Select Data Sources
Define Define Processing Parameters
Generate Preview & Generate Products

EarthWhere™ | [How Method](#) >>> [Map](#) | [Gazetteer](#) | [Lat-Lon](#) | [UTM](#) | [Grid Name](#)

Map Help

Status: Quick Area Zoom



Center 29.212502, -94.94694 Scale 634883

AOI Extents

AOI (SQ. KM)

Query Coverages On Map

None | View | AOI

Available Data Elements 0 of 0 records selected [Date Filter](#) | [Advanced Sort](#)

Zoom	Select	Action	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
--No Actions Available--									

Show Images

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- Place your cursor on the **Data Sources** down arrow to display a drop-down list of data sources ingested in the system and available to your user account. The default is **My Data Sources**, which is a subset of data sources that you can manage in the **My Profile > Edit Preferences** screen.

There are two **Data Sources** made available which covers the affected Hurricane Rita area.

#	Data Source Name	Description
1	c-1-2004-Texas	This is color-infrared Quarter Quadrant aerial photo data that covers the Texas coastline counties.
2	n-1-2004	This is natural color Quarter Quadrant aerial photo data that covers the Texas-Louisiana coastline counties.

Select **My Data Sources** from the drop-down list. Remember to use the **Data Source** drop-down list to filter the data sources shown on the map search page.

The screenshot shows the APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below the header, there is a navigation bar with "Search", "Define", and "Generate" buttons. The main content area features a map of the Texas coastline with a red AOI (Area of Interest) overlay. A dropdown menu is open, showing the "Data Source(s)" list with "My Data Sources" selected. The list includes "All Data Sources", "c-1-2004-Texas", and "n-1-2004". Below the map, there are controls for "Zoom", "Select", "Action", "ID", "Data Source", "Description", and "Priv".

- Click **View** in the **Query Coverages On Map** section. A database query is issued when the **Query Coverages On Map** is set to either **View** or **AOI** (Area of Interest). When the query is formulated to return less than a specified number of data elements (the default is 500), the resulting list of data elements is displayed in the **Available Data Elements** table.

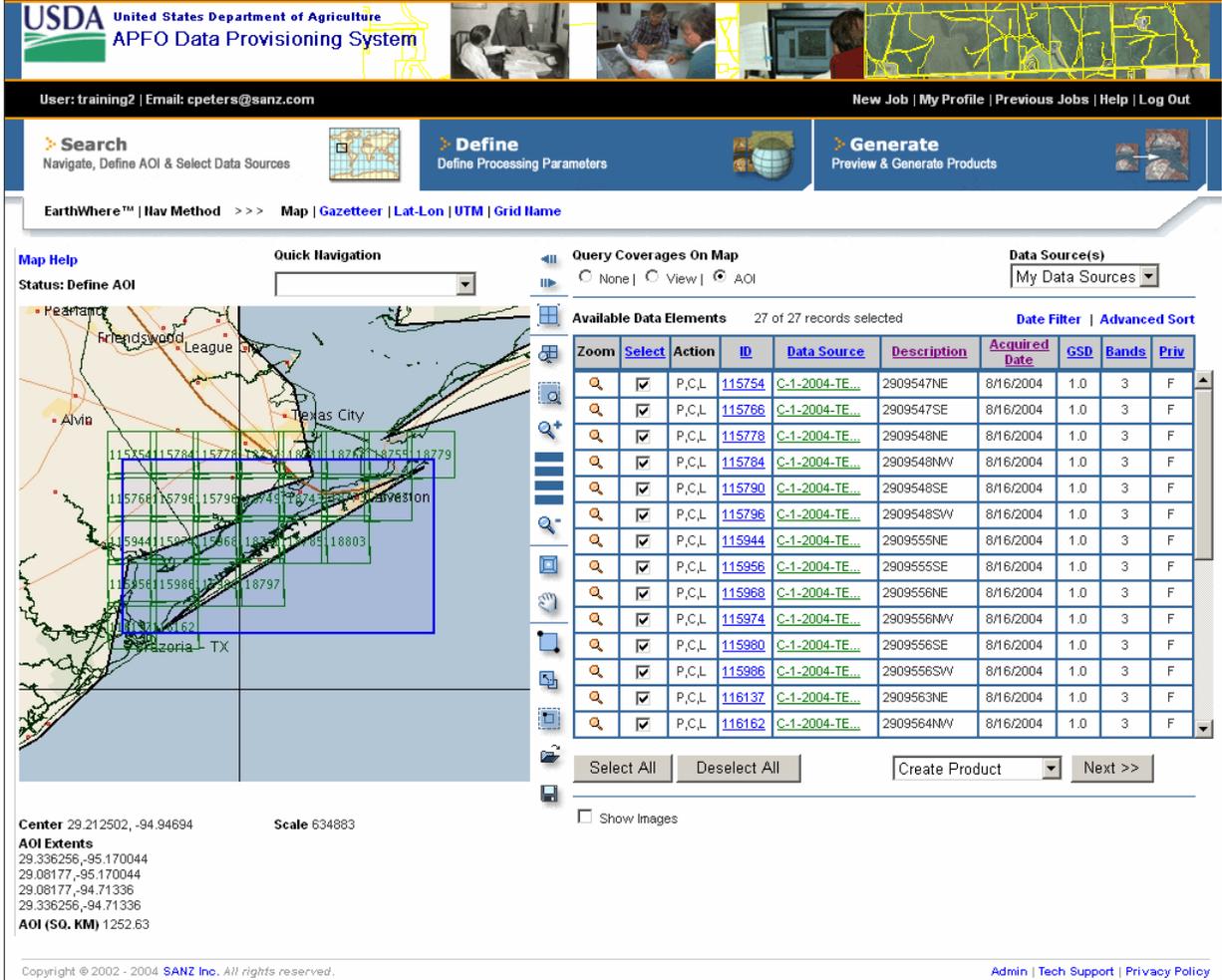
The number of records that meet the search criteria is displayed at the top of the table with the corresponding footprints displayed on the map.

The screenshot displays the EarthWhere APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and navigation links. Below this is a search bar and a 'Query Coverages On Map' section with radio buttons for 'None', 'View', and 'AOI'. The 'View' option is selected. To the right, there is a 'Data Source(s)' dropdown menu set to 'My Data Sources'. Below the search bar, there is a 'Map Help' section and a 'Quick Navigation' dropdown menu. The main map area shows a grid overlay on a satellite image of a region, with several green rectangular footprints indicating the locations of data elements. To the right of the map is the 'Available Data Elements' table, which contains 102 records. The table has columns for 'Zoom', 'Select', 'Action', 'ID', 'Data Source', 'Description', 'Acquired Date', 'GSD', 'Bands', and 'Priv'. Below the table are buttons for 'Select All', 'Deselect All', and 'Next >>'. At the bottom left, there is a 'Center' coordinate of 29.212502, -94.94684 and a 'Scale' of 634883. The 'AOI Extents' and 'AOI (SQ. KM)' are also displayed.

Zoom	Select	Action	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
Q	<input checked="" type="checkbox"/>	P,C,L	115383	C-1-2004-TE...	2909531 SE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115390	C-1-2004-TE...	2909531 SW	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115396	C-1-2004-TE...	2909532 NE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115402	C-1-2004-TE...	2909532 NW	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115408	C-1-2004-TE...	2909532 SE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115414	C-1-2004-TE...	2909532 SW	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115505	C-1-2004-TE...	2809506 NE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115511	C-1-2004-TE...	2809506 NW	12/10/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115517	C-1-2004-TE...	2809506 SE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115523	C-1-2004-TE...	2809506 SW	12/10/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115529	C-1-2004-TE...	2809507 NW	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115539	C-1-2004-TE...	2909538 NE	8/16/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115545	C-1-2004-TE...	2909538 NW	12/10/2004	1.0	3	F
Q	<input checked="" type="checkbox"/>	P,C,L	115551	C-1-2004-TE...	2909538 SE	12/10/2004	1.0	3	F

- Click the **2-Point AOI** button  and define an AOI (Area of Interest) in the view, as shown below.

Notice that the records in the **Available Data Elements** table change to only the records in your AOI. You can toggle back and forth between **View** and **AOI** to see the difference.



The screenshot shows the EarthWhere™ APFO Data Provisioning System interface. The user is logged in as 'training2' with email 'cpeters@sanz.com'. The interface includes navigation tabs for Search, Define, and Generate. The 'Define' tab is active, showing a map of Texas with a defined Area of Interest (AOI) around Houston. The 'Available Data Elements' table displays 27 records selected, filtered by the AOI. The table columns include Zoom, Select, Action, ID, Data Source, Description, Acquired Date, GSD, Bands, and Priv. The AOI extents are shown as 29.336256, -95.170044 to 29.336256, -94.71336, with a scale of 634883.

Zoom	Select	Action	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115754	C-1-2004-TE...	2909547NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115766	C-1-2004-TE...	2909547SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115778	C-1-2004-TE...	2909548NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115784	C-1-2004-TE...	2909548NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115790	C-1-2004-TE...	2909548SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115796	C-1-2004-TE...	2909548SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115944	C-1-2004-TE...	2909555NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115956	C-1-2004-TE...	2909555SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115968	C-1-2004-TE...	2909556NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115974	C-1-2004-TE...	2909556NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115980	C-1-2004-TE...	2909556SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115986	C-1-2004-TE...	2909556SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	116137	C-1-2004-TE...	2909563NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	116162	C-1-2004-TE...	2909564NW	8/16/2004	1.0	3	F

- Preview an image in your AOI by clicking the hyperlinked **ID** number for one of the records in the **Available Data Elements** table.

Notice the metadata about the image is displayed below the thumbnail. You may need to scroll down to see all the metadata.

The screenshot displays the USDA APFO Data Provisioning System interface. On the left, a large satellite image of a coastal area is shown, with a red overlay indicating the Area of Interest (AOI). Below the image is a "Details" section with the following metadata:

Description	2909556se
Data Source	c-1-2004-Texas
Provider	USDA APFO
Acquired Date	8/16/2004
Privileges	Full Access
Actions	Provision, Copy, Link
X Resolution (meters/pixel) - GSD	1.0
Y Resolution (meters/pixel) - GSD	1.0
Bands	3

On the right side of the interface, there is a table titled "Data Source(s)" with 27 records selected. The table has columns for Selection, ID, Data Source, Description, Acquired Date, GSD, Bands, and Privileges. An arrow points to the ID "115968" in the table with the text "Click on ID number".

Selection	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
<input type="checkbox"/>	115754	C-1-2004-TE...	2909547NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115766	C-1-2004-TE...	2909547SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115778	C-1-2004-TE...	2909548NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115784	C-1-2004-TE...	2909548NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	115790	C-1-2004-TE...	2909548SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115796	C-1-2004-TE...	2909548SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	115944	C-1-2004-TE...	2909555NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115956	C-1-2004-TE...	2909555SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115968	C-1-2004-TE...	2909556NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115974	C-1-2004-TE...	2909556NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	115980	C-1-2004-TE...	2909556SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	115986	C-1-2004-TE...	2909556SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	116137	C-1-2004-TE...	2909563NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	116162	C-1-2004-TE...	2909564NW	8/16/2004	1.0	3	F

Below the table are buttons for "Deselect All", "Create Product", and "Next >>".

5. Scroll down in the Data Source Preview window. You may download the source data from this screen. However, note the filesize and to determine if you have enough space locally to store this data locally. Close the Data Source Preview window when you are finished inspecting the thumbnail and metadata.

http://199.158.166.107 - ID: 115980 - Data Source Preview - Microsoft Internet Explorer

Lower Left Latitude	29.1212117049396
Lower Left Longitude	-95.0656029313487

Data Vertices

Vertices (Lat, Lon)	29.1902227113573, -95.0669848510257, 29.1912870244337, -94.9968896489207, 29.1222730237674, -94.9955545154641, 29.1212117049396, -95.0656029313487
---------------------	--

Projection Information

Tie Point (Easting)	299022.5
Tie Point (Northing)	3230829.5
Tie Point (Longitude)	-95.0669848510257
Tie Point (Latitude)	29.1902227113573
Projection Type	UTM
State Plane Coordinate System	
Central Meridian	-93.0
Origin Latitude	0.0
Zone	15
Hemisphere	N
Standard Parallel 1	0.0
Standard Parallel 2	0.0
Datum	NAD83 CONUS
Ellipse	GRS 80
Semi Major Axis	6378137.0
Semi Minor Axis	6356752.3141

Radiometry Information

Radiometry	8-bit
Pixel Ranges (band - min/max/hull)	

Source Data Information

Download Source Files	115980.zip
Total Source Size	149.4 MB

Click to download source data

Close

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- Click the **Show Images** check box to display thumbnails of the source imagery you have selected on the map. You can click on the data element checkboxes in the Available Data Elements Table and toggle the **Show Images** on and off to fine-tune your AOI.

The screenshot shows the EarthWhere APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below this is a navigation bar with three main tabs: "Search" (Navigate, Define AOI & Select Data Sources), "Define" (Define Processing Parameters), and "Generate" (Preview & Generate Products). The main workspace is divided into several sections: a map on the left showing a geographic area with a blue AOI boundary, a table of "Available Data Elements" on the right, and a control panel at the bottom. The table has columns for "Zoom", "Select", "Action", "ID", "Data Source", "Description", "Acquired Date", "GSD", "Bands", and "Priv". Below the table are buttons for "Select All", "Deselect All", "Create Product", and "Next >>". A checkbox labeled "Show Images" is located below the "Create Product" button. Annotations with arrows point to the "Show Images" checkbox and the "Create Product" dropdown menu.

Zoom	Select	Action	ID	Data Source	Description	Acquired Date	GSD	Bands	Priv
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115754	C-1-2004-TE...	2909547NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115766	C-1-2004-TE...	2909547SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115778	C-1-2004-TE...	2909548NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115784	C-1-2004-TE...	2909548NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115790	C-1-2004-TE...	2909548SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115796	C-1-2004-TE...	2909548SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115944	C-1-2004-TE...	2909555NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115956	C-1-2004-TE...	2909555SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115968	C-1-2004-TE...	2909556NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115974	C-1-2004-TE...	2909556NW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115980	C-1-2004-TE...	2909556SE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	115986	C-1-2004-TE...	2909556SW	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	116137	C-1-2004-TE...	2909563NE	8/16/2004	1.0	3	F
<input type="checkbox"/>	<input checked="" type="checkbox"/>	P,C,L	116162	C-1-2004-TE...	2909564NW	8/16/2004	1.0	3	F

- Ensure **Create Product** is selected in the **Actions** drop-down near the Next button.
- Click the **Next** button in the bottom right corner. When you click the **Next** button, EarthWhere saves the list of selected elements in the **Available Data Elements** table and advances to the **Define** function.

17. Notice that the large tab below the black bar is on **Define**. There are several options in defining your output product.

***For the Texas and Louisiana data, it is suggested to use the Ortho Image combiner method.** Pull down the Method checkbox and select Ortho Image.

The screenshot shows the 'Define' tab of the EarthWhere APFO Data Provisioning System. The interface includes a navigation bar with 'Search', 'Define', and 'Generate' tabs. The 'Define' tab is active, showing 'Define Product Parameters' and 'Combiner, Projection & Datum' options. The 'AOI and Combiner Options' section has 'Mosaic' checked and 'Method' set to 'Ortho Image'. The 'Filter Options' section has 'Hull AOI' unchecked and 'Mean-Media' set to 'None'. The 'Projection, Datum & Resampling Options' section shows 'Projection' as 'Geographic', 'Datum' as 'WGS 1984', 'GSD (X)' as '5', 'GSD (Y)' as '5', 'Central Meridian' as '-94.94170199', 'Origin Latitude' as '29.209013', and 'Resampling Method' as 'Nearest Neighbor'. Arrows point from text labels to the 'Ortho Image' dropdown and the 'GSD (X)' input field.

***It is also suggested that you raise the GSD (Ground Spatial Distance) values to reduce the size of the output file. Leaving this value set to 1 meter may result in a provisioning job which takes several hours and is several gigabytes of memory. If you do not need 1-meter resolution, or do not have the bandwidth to download and the disk space to store images of this size, set the GSD value to 5, and experiment with other settings if necessary.**

18. Click **Next**. This takes you to the **Color Options** page as shown below. Accept the default values, **3-Band Color** and **R: 1 (red), G: 2 (green), B: 3 (blue)**.

The screenshot shows the 'Color Options' page within the EarthWhere APFO Data Provisioning System. The page header includes the USDA logo and the text 'United States Department of Agriculture APFO Data Provisioning System'. Below the header, the user is identified as 'training2' with email 'cpeters@sanz.com'. The page is divided into three main sections: 'Search' (Navigate, Define AOI & Select Data Sources), 'Define' (Define Processing Parameters), and 'Generate' (Preview & Generate Products). The current page is 'Color Options', which is part of a sequence: 'EarthWhere™ | Define Product Parameters >>> Combiner, Projection & Datum | Color Options | Output Options'. The 'Color Options' section has a 'Navigation' bar with '<< Back' and 'Next >>' buttons. Below this, there are radio buttons for 'Grayscale' (unselected) and '3-Band Color' (selected). Underneath, there are three dropdown menus for 'R', 'G', and 'B' with values '1', '2', and '3' respectively. The 'Histogram-based Color Enhancement' section has a 'Histogram Mode' dropdown menu set to 'NONE'. The footer contains copyright information: 'Copyright © 2002 - 2004 SANZ Inc. All rights reserved.' and links for 'Admin | Tech Support | Privacy Policy'.

- Click **Next** to go to the **Output Options** page. Name your output by typing **GalvestonMosaic** in the **Job Name** box. Your product will be named with the value you type. Be sure not to enter spaces in the name.

- Click the down arrow next to **File Format** to view all the supported output formats. Tiff or GeoTiff-Tiled is suggested.

*Note that JPEG format is limited by pixel size. It is not suggested to use JPEG for images that have very large coverage areas.

- If you want email notification when the job is done, make sure that the **Send Email Notification** box is checked.

24. Notice that the large tab just below the black bar is now on **Generate**. Take a moment to confirm your **Define** settings by inspecting the listing on the left and wait while EarthWhere builds the preview for you. The preview will display within a few seconds unless the filesize is rather large. Once generated, you will see a preview image similar to this one.

The screenshot shows the EarthWhere APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below this, a navigation bar contains three main tabs: "Search" (Navigate, Define AOI & Select Data Sources), "Define" (Define Processing Parameters), and "Generate" (Preview & Generate Products). The "Generate" tab is currently selected and highlighted in blue. The main content area is titled "EarthWhere™ | Verify Product Parameters & Submit For Output". It features a "Product Summary" section with the following details:

- Area Of Interest:**
 - UL: 29.336256, -95.170044
 - LL: 29.08177, -95.170044
 - LR: 29.08177, -94.71336
 - UR: 29.336256, -94.71336
- Combiner Options:**
 - Mosaic: On
 - Combiner Method: Ortho Image
- Projection, Datum & Resampling Options:**
 - Projection: Geographic
 - Datum: WGS 1984
 - Central Meridian: -94.94170199999999
 - Origin Latitude: 29.209013
 - GSD: X: 5.0, Y: 5.0
 - Resampling Method: Nearest Neighbor
- Geometry Options:**
 - Pixel Type: point
- Color Options:**
 - Color Banding: 3-Band Color
 - Red: 1 Green: 2 Blue: 3

At the bottom of the parameter list are two buttons: "Modify Parameters" and "Generate Product". To the right of the parameter list is a "Thumbnail Preview" section with the product name "GalvestonMosaic" and a file name "File: GalvestonMosaic-tm.jpg". The preview image shows a satellite-style map of a coastal area with a mix of red, green, and blue colors, representing different data bands.

25. Click **Generate Product**. EarthWhere responds with a message confirming your request for product generation.

The screenshot shows the EarthWhere APFO Data Provisioning System interface. At the top, it displays the USDA logo and the text 'United States Department of Agriculture APFO Data Provisioning System'. Below this, there is a navigation bar with three main sections: 'Search' (Navigate, Define AOI & Select Data Sources), 'Define' (Define Processing Parameters), and 'Generate' (Preview & Generate Products). The user information 'User: training2 | Email: cpeters@sanz.com' is visible in the top right. The main content area shows a message titled 'EarthWhere™ | Job Submitted' with a sub-header 'Generate Request Submitted'. The message text reads: 'You have submitted a request to generate a product. Your job is currently #1 of 1 queued jobs. Please click on [Previous Jobs](#) to view your products. Choose [Search](#) to generate another product with these settings.' At the bottom of the page, there is a copyright notice 'Copyright © 2002 - 2004 SANZ Inc. All rights reserved.' and links for 'Admin | Tech Support | Privacy Policy'.

26. Click the **Previous Jobs** link in the middle of the Generate Request Submitted or in the global links black-bar to display a list of submitted job requests.

The screenshot shows the EarthWhere APFO Data Provisioning System interface displaying a list of submitted job requests. The top navigation bar includes 'EarthWhere™ | [Previous Jobs](#) >>> [My Jobs](#) | [All Jobs](#)'. Below the navigation bar, there is a search filter section with a 'Close' button, a text input for 'Limit Search to the Last' followed by a dropdown menu, a text input for 'Days with Job Name', and a text input for 'and Job Id', followed by an 'Update' button. The main content area displays a table with the following data:

User Name	Job Name	Job ID	Creation Date/Time	Action	Status	AOI (UL/LR - Lat/Lons)	File Size (MB)	Product Files	Thumbnail	Job Management
training2	GalvestonMosaic	981	Sep 24, 2005 2:00:05 PM	Provision	Completed	UL= -95.170044000 / 29.336256000 LR= -94.713360000 / 29.081770000	145.1 MB	Click Here	Click Here	Delete Clone

At the bottom of the page, there is a copyright notice 'Copyright © 2002 - 2004 SANZ Inc. All rights reserved.' and links for 'Admin | Tech Support | Privacy Policy'.

29. Depending on how large the product you are creating, the job may take anywhere from a few seconds to a couple hours. An email notification is sent to you when the job is completed and you may click on the link in the email to access this Previous Jobs page. On the Previous Jobs screen, click the **Click Here** link under **Thumbnail** for the most

recent job. This displays a separate window and shows the same thumbnail you saw on the **Generate** page. Close the thumbnail window when you finish.

30. Click the **Click Here** link under **Product Files** in the most recent job. This opens the **Product Files** window for that specific job where you can view or download your finished product.

The screenshot shows the EarthWhere™ APFO Data Provisioning System interface. At the top, there is a header with the USDA logo and the text "United States Department of Agriculture APFO Data Provisioning System". Below the header, there is a navigation bar with "EarthWhere™ | Previous Jobs >>> My Jobs | All Jobs".

The main content area features a table with the following columns: User Name, Job Name, Job ID, Creation Date/Time, Action, Status, AOI (UL/LR - Lat/Lons), File Size (MB), Product Files, Thumbnail, and Job Management. The table contains one row for Job 981, with the following details:

User Name	Job Name	Job ID	Creation Date/Time	Action	Status	AOI (UL/LR - Lat/Lons)	File Size (MB)	Product Files	Thumbnail	Job Management
training2	GalvestonMosaic	981	Sep 24, 2005 2:00:05 PM	Provision	Completed	UL= -95.170044000 / 29.336256000 LR= -94.713360000 / 29.081770000	145.1 MB	Click Here	Click Here	Delete Close

Below the table, there is a search filter section with "Close", "Limit Search to the Last [] Days with Job Name [] and Job Id []", and "Update" buttons.

The "Product Files for Job 981" window is open, showing the following details:

Product Files for Job 981

File Name	Size
GalvestonMosaic.tif (DATA)	145.1 MB
GalvestonMosaic.txt (EWG)	1.4 KB
Total Size:	145.1 MB

Below the table, there is a link: **Download Product As Zipfile [981.zip](#)**

Instructions:

- Click on file links to view contents.
- Right click on link and choose "Save Link Target As..." to download to local filesystem.

A "Close" button is located at the bottom of the window.