

**WELCOME ALL  
OF YOU TO**

**OHIO VALLEY REGIONAL  
DEVELOPMENT COMMISSION**

**OVRDC GIS User Group Meeting**

**November 8, 2011**

**Jason Gillow**

# OVRDC GIS User Group Meeting

- Minutes from August 9<sup>th</sup> meeting.
- Announcements:
- Program Initiatives:
  - OVRDC Website – [OVRDC GIS User Group](#)
  - LBRS – DDTI – Lawrence Co. close to completion – still have a few issues to work out. Vinton Co 80% completed of field data collection. Online Whitepaper Report at <http://ogrip.oit.ohio.gov/ProjectsInitiatives/LBRS.aspx>
  - OSIP II – <http://ogrip.oit.ohio.gov/ProjectsInitiatives/StatewideImagery.aspx>
  - Highlights: 2011 Ohio GIS Conference
  - OGRIP – next meeting [November 28, 2011](#)
  - Reshaping Ohio's Legislative Boundaries
    - [www.sos.state.oh.us/SOS/ReshapeOhio.aspx](http://www.sos.state.oh.us/SOS/ReshapeOhio.aspx)

# OVRDC GIS User Group Meeting

- Federal Programs

- **USDA NAIP coverage for 2011** for Ohio flown between Aug 3 – Aug 30, 2011 product 1-m, 4-band, leaf-on, color NAIP imagery flown by Northwest, Inc – Release dates – End of Nov. first of Dec. 2011 at <http://datagateway.nrcs.usda.gov/> (2010 Sample)
- USDA Farm Services Agency (FSA) the National Agricultural Imagery Program (NAIP). Ohio is now scheduled for new one-meter, leaf-on, color NAIP imagery in the **summer of 2014**. FSA hopes to include CIR as the fourth band. They also hope to continue this program on a three year cycle.
- USGS - **Historical Maps** Now Covering 36 States including Ohio <http://nationalmap.gov/historical/> and Handout
- See the handout ***"Federal GIS initiatives for Ohio and our Region"*** from Charles Hickman, USGS
- Interested in FEMA DFIRM data for free **"National Flood Hazard Layer (NFHL) Database"** or FEMA's HAZUS-MH Software for free go to [www.msc.fema.gov](http://www.msc.fema.gov)

# National Agriculture Imagery Program (NAIP)

NAIP annually acquires 1 and 2 meter resolution digital ortho imagery for agricultural regions in the United States during the summer crop growing season, or “leaf on”. Coverage provides approximately twenty percent 1 meter and eighty percent 2 meter. Started in 2003 and continues to this day.

A primary goal of the NAIP program is to make digital ortho photography available to governmental agencies and the public within a year of acquisition.

The one meter product is accurate to within 5 meters of Digital Ortho Quarter Quads (DOQQ's) used to digitize Common Land Units (CLU) and other datasets. The one meter product is intended to provide an updated ortho base procured on a 3-5 year cycle.

The two meter product is accurate within 10 meters of DOQQ's intended for aerial compliance and other programs not requiring high spatial accuracy.

One and two meter NAIP products are available in either full resolution quarter quad geotiff format, or a compressed county mosaic in MrSID format.

For Ohio years covered - 2004, 2005, 2006, 2009, 2010, and 2011; Next cycle - 2014

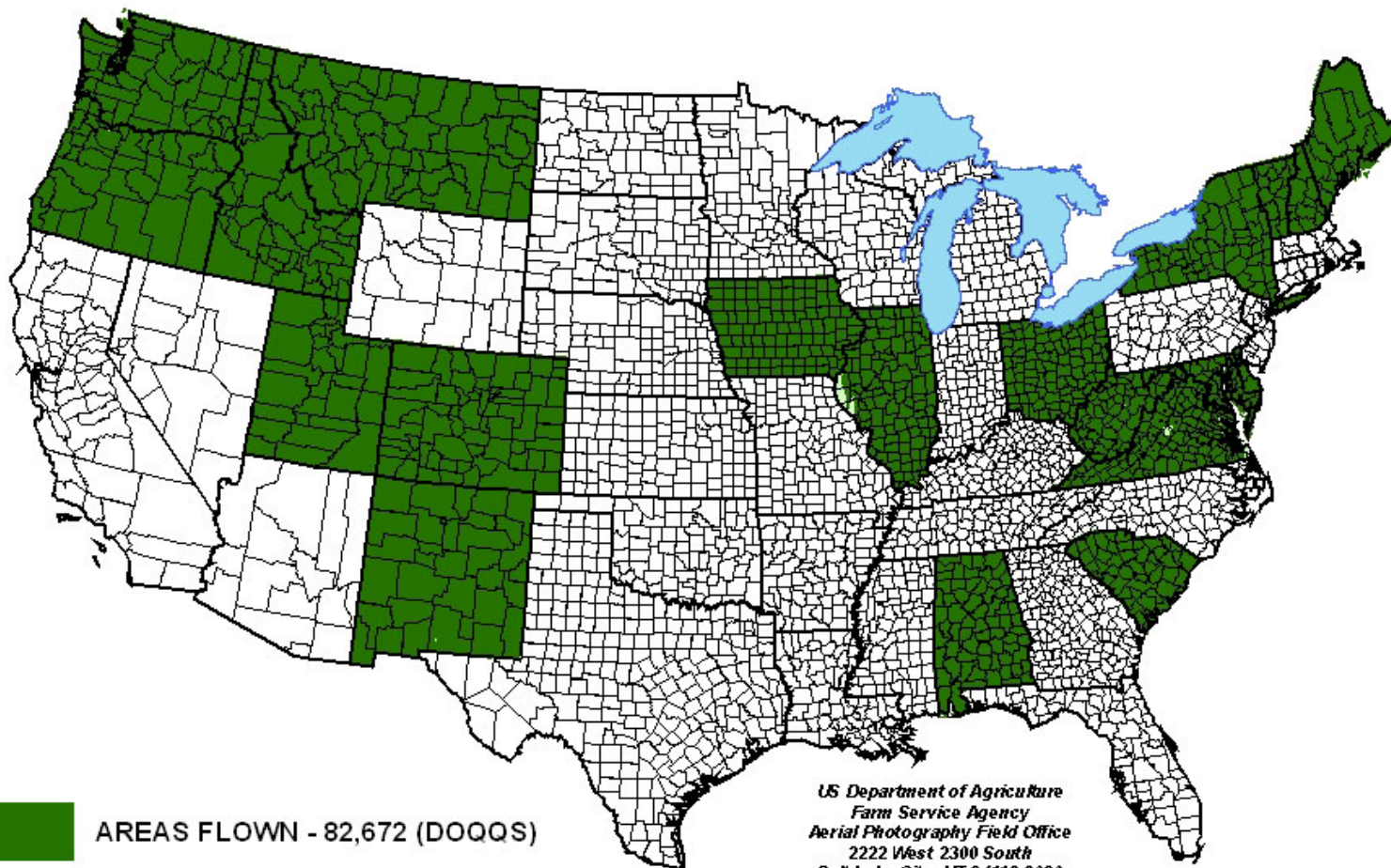
Downloaded from The Geospatial Data Gateway (GDG) <http://datagateway.nrcs.usda.gov/>

More Information:

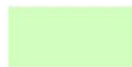
<http://www.fsa.usda.gov/FSA/apfoapp?area=home&subject=prog&topic=nai>



# 2011 NAIP IMAGERY STATUS



AREAS FLOWN - 82,672 (DOQQS)



AREAS CONTRACTED - 84,205 (DOQQS)

*US Department of Agriculture  
Farm Service Agency  
Aerial Photography Field Office  
2222 West 2300 South  
Salt Lake City, UT 84119-2020  
Bridget Barlow  
Tel: 801-844-2911 Fax: 801-956-3640  
Email: [bridget.barlow@sic.usda.gov](mailto:bridget.barlow@sic.usda.gov)  
Website: [www.apfo.usda.gov](http://www.apfo.usda.gov)*

# OVRDC GIS User Group Meeting

- **U.S. Census Programs**
  - 2010 Redistricting Data
  - 2010 Demographic Data
  - 2010 Census Summary File 1 data
  - American Community Survey Data –
    - OVRDC website and handout for data release dates
    - [www.census.gov/acs/www/](http://www.census.gov/acs/www/)
  - 2010 Tiger files is available at:
    - <http://www.census.gov/geo/www/tiger/>

# OVRDC GIS User Group Meeting

- U.S. Census Programs

- Accessing the data through the new American FactFinder 2 (Quick Tour Video)

- <http://factfinder2.census.gov>

- Dataferret

- <http://dataferrett.census.gov/index.html>

- State of Ohio and OVRDC Resources for local Census Products

- Ohio Dept of Development, Office of Policy Research and Strategic Planning: <http://development.ohio.gov/research/>

- OVRDC: [www.ovrdc.org](http://www.ovrdc.org)

# OVRDC GIS User Group Meeting

- U.S. Census Programs
  - Alternatives to American FactFinder 2 (AFF2) - If you need Census 2010 summary tabulations, here are some good online alternatives to AFF2:
    - <http://mcdc.missouri.edu/pub/data/sf12010/Datasets.html> if you need many tables for a large number of locations (for example, all Census Tracts in Minnesota). User interface looks complex the first time – but you'll see it's easy – and allows output in SAS, or flat-file or other formats.
    - <http://nhgis.org> if you need a few tables (a few topics) for a large number of locations + you want ArcGIS shapefile too.
    - <http://census.ire.org/data/bulkdata.html> if you just need one table (1 at a time) for a large number of locations. This is the quickest to navigate. The drawback is: this site does not provide descriptive column headings/labels. You'll need SF1 documentation to decipher and re-label the column headings it provides.



# OVRDC GIS User Group Meeting

- **Presentation** - *“Regional Uses of ArcGIS Server Past, Present and Future”* and Appalachian Ohio Geospatial Data Partnership
- **Speakers:**
  - **Bret Allphin**, GIS Manager, Buckeye Hills-Hocking Valley Regional Development District
  - **David Simon**, GIS Manager, Ohio University - Voinovich School of Leadership and Public Affairs

# OVRDC GIS USER GROUP

- **Group Discussion**
- *Next Meeting set for Tuesday February 14, 2012, 1 PM to 3 PM at Ohio Valley Regional Development Commission office.*

# OVRDC GIS USER GROUP

## Jason Gillow

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# Regional Uses of ArcGIS Server – Past, Present, and Future

Bret Allphin – GIS Manager

Buckeye Hills – Hocking Valley Regional Development District

Dave Simon – GIS Manager

Voinovich School of Leadership and Public Affairs

Taeil Kim – Lead Programmer

Voinovich School of Leadership and Public Affairs

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# The Past...



**ArcIMS**

Address <http://165.166.39.5/giswebsite/default.htm> Go Links >>

Greenwood County, South Carolina

File Edit View Insert Selection Tools Help

ArcIMS Author - D:/ArcIMS/Axl/connect.axl

File Edit View Layer Tools Help

Legend Layers

- TECH.TOWNS
- TECH.TECH.TERRITORY

X: 1,385,494.54 Y: 591,471.412 1:238,266,929,0... One Inch = 19,0

Ready

contact us county city weather 1 inch = 400 feet

The screenshot displays the ArcIMS web interface. The main map area shows a detailed view of a residential area in Greenwood County, South Carolina, with various streets and property boundaries. The legend on the right side of the interface shows two layers: 'TECH.TOWNS' and 'TECH.TECH.TERRITORY', both of which are checked. The 'TECH.TECH.TERRITORY' layer is highlighted in green. The scale bar at the bottom right indicates a scale of 1 inch = 19,000 feet. The status bar at the bottom of the browser window shows 'Ready' and a scale of '1 inch = 400 feet'.





The Present...



Server/ For Server?



- ArcGIS Server 9.3.1 Standard Workgroup,
- Microsoft Server Standard 2008 (64 bit),
- SQL Server Express 2008,
- Quad Core Processor – 3.0ghz (Intel Core2),
- 8GB RAM,
- Dual Hot Swappable 1TB Hard Drives (Raid 1).



- RDBMS (DB2, Informix, SQL, Oracle, Postgre SQL)
- Web Server (IIS, Apache)
- Microsoft Networking Capability (Active Directory/ User Management/ Rights Management)
- Plugins (Flex, Silverlight, Java)

# PATIENCE!!



Data



Map (.mxd/.msd)



Services



Applications



Demo Time!!





## Final Thoughts...

- Realistic about internal capability and IT capacity
- Hosted services/ Cloud (Amazon EC2 – THE CLOUD IS REAL)
- Shared services