

## DGDC Meeting Minutes

September 23, 2010

9:00 a.m.

Room 220, Kent Co. Admin Building

555 Bay Rd. Dover, DE

### Attendance List:

Mike Mahaffie.....	OSPC
Renee Dixon .....	OMB
George Yocher.....	DHSS
Lillian Wang.....	DGS
Miriam Pomilio.....	DGS
Ben Mearns.....	UD/RDMS
Nicole Minni.....	UD/IPA
John Laznik.....	UD/CADSR
Kim Cloud .....	DTI
Boskey Kamboj.....	DTI
Darrin Dell.....	DeIDOT
Jay Gerner .....	DeIDOT
Bernie Gilbert.....	DeIDOT
Mollie Raley.....	DeIDOT
Peggy Bacon.....	DeIDOT
Deborah Sullivan.....	DNREC
Michael Townshend .....	DNREC
Rick Sherwood .....	DEMA
Megan Nehrbas.....	Sussex Co.
Danielle Lamborn .....	Kent Co.
Patrick Susi .....	New Castle Co.
Roger Barlow .....	USGS
Jim Hoff.....	USAF
Art Walker .....	USDA/NRCS
Michael Hanna .....	Tidewater Utilities
Erica Rhoades.....	McCrone
Tim Lesser .....	URS Corp
Kristin O'Conner.....	Pictometry

### Welcome and Introductions

Mike Mahaffie started the meeting at approximately 9:09 a.m. with a welcome and a round of introductions. He noted that there is a bake sale as part of the meeting and that that bake sale is a fund-raiser for GIS day Activities in Delaware.

### Announcements

#### The Delaware Arc Users' Group

Deborah Sullivan announced that there is now a Delaware User's Group that will meet with ESRI on November 3, 2010, from 9:00 a.m. to noon at the Kent County Administration Building. She will send word via the DGDC listserv when registration for that meeting is live.

#### An ArcGIS 10 Seminar

Mike Mahaffie announced that ESRI will present a free ARCGIS 10 seminar on October 26, 2010, at the Sheraton Dover Hotel. The registration page can be found at [bit.ly/arccgis10\\_seminar](http://bit.ly/arccgis10_seminar). It will be a full day seminar

### Approval of June 24, 2010 Meeting Minutes

Lillian Wang made a motion to approve [the June 24, 2010 meeting minutes](#) (PDF) as presented. Michael Townshend seconded the motion and it passed, unanimously.

## Reports

### NSGC Annual Meeting

Mike Mahaffie gave a review (slides attached) of what he learned at the NSGIC Annual meeting held in Minneapolis, MN. Notes and PowerPoint presentations from the meeting can be found at [bit.ly/nsgic2010](http://bit.ly/nsgic2010). Mike has also collected his thoughts in [a DGDC News blog posting about the conference](#).

Among his notes:

- The FGDC still working on a metadata standard. It is important to keep an eye on this progress.

- Some states have concerns about ESRI's Community Base Maps program, but discussions and interest continue. [ARCGIS.com](http://ARCGIS.com) is a separate thing. In Delaware, New Castle County has decided to submit data to the ESRI Community Base Maps Program.
- ESRI's Geoportal extension is going Open Source
- The FCC getting active in GIS and Broadband Mapping, for which the federal government has given grants to states, is driving development of address point data and some innovations.
- A "Geospatial Maturity Assessment" is being developed. More to come on that.
- The EPA has grants for states that partner with them on location information and reporting on licensed polluting facilities. Mike Townshend noted that DNREC has been very active in this program.
- The USPS County Project ([bit.ly/usps\\_addresses](http://bit.ly/usps_addresses)) offers matching of county address data with USPS data. More information. George Yocher stated that he has sent to USPS lists of zip codes or address ranges (as in apartments) and USPS has sent back information. He called it a useful tool.
- The NGA funded NAVTEQ data for state and local use. This data is For Official Use Only (FOUO) in the emergency management world. Details are still being worked out.
- The Federal government is working on a Strategic Plan for Transportation for the Nation. The goal is to answer the question of "how are we going to have a national roads set?"
  - Roger Barlow added that he has since learned that NGA has released LiDAR for selected urban areas, including Dover, and that he will work with Mike Mahaffie to make that available to Delaware. He added that the Federal government is also working on Elevation Coordination and will be talking to the states in the first part of next year.
- A "Geospatial Platform" is called for in White House budget language, but details are still being worked out.
  - Kim Cloud asked how that differs from the existing Geospatial OneStop application (GOS)
  - Roger Barlow described the Geospatial Platform as an evolution.
- Virtual USA is a new approach, headed by homeland security officials, to create multi-state "sandboxes" in which states can share data.
- NAIP will fly Delaware in 2011. Delaware may want to consider buy-up opportunities.
- The idea of a "Mid Atlantic Regional GIS Organization" came up. It will require further discussion among Delaware, Maryland, DC, Virginia, Pennsylvania and New Jersey.
- There was a suggestion that states consider bringing, multi-disciplinary teams to NSGIC conferences in the future. The next midyear meeting is in Annapolis, MD and the next annual meeting will be held in Boise, Idaho.

### Conference Planning Subcommittee

Subcommittee chair Lillian Wang announced that the next Conference will be held on April 26, 2012 at the Sheraton Dover Hotel. The conference will include a day of pre-conference workshops as well as a post conference activity.

## Data Exchange

Boskey Kamboj gave an update on this project. GeoDecisions continues to work on the project with a completion date of late October. DTI has set up a working environment on site and user-testing is scheduled to start in mid October. Information on user testing will be sent to the technical subcommittee.

John Lasnik asked what data will be hosted on the Exchange.

Kim Cloud stated that there will be things like aerial imagery, LiDAR, and centerline data; things that everyone uses but that are resource-heavy.

## Broadband Mapping

Boskey also gave a briefing on the Broadband Mapping Project. She said that it is working at parallel speed with the Data Exchange Program and both are considered top priorities. The project is intended to create a state map of broadband internet availability.

Delaware is already into review of the second round of data from providers. DTI is working on an on-line mapping tool to go along with the data from providers. In addition, a speed testing site ([www.delawarespeedtest.com](http://www.delawarespeedtest.com)) has been put on-line and Delawareans are being encouraged to test their home access speed in order to create a more complete picture of broadband availability.

## Old Business

### Strategic Planning Project

Michael Turner, of Applied Geographics, gave a presentation (attached) on the Strategic Planning Project that was completed early this summer. The Executive Council of the DGDC has approved and supports the Geospatial Strategic Plan for Delaware, [which is available on-line as a PDF file](#).

The timeline of the strategic plan was reviewed and is on track. With the strategic plan approved by the Executive Council, the next steps are to draft and seek approval of a business plan in fall of 2010 and start working towards establishment of a GIS office for Delaware.

The business plan develops a business case for creating a GIS Office within state government and offers alternatives for staffing the three recommended positions. These positions are Geospatial Information Officer, Geospatial Data Manager, and Geospatial Developer.

Darin Dell commented that he feels another position should be added, that of a Technical Trainer that could assist smaller agencies.

Molly Raley asked what the path forward for this project is now.

Mike Mahaffie stated the October Business Plan will go to the Executive Council for approval then it will go to the other state agencies as a advocating and education tool.

Molly followed up asking if this would require legislation.

Mike stated that was an open question, that there could be legislation, an executive order, non-executive management changes, etc. It will depend on the political process.

Michael Turner stated that Applied Geographics Inc. will do everything they can to support the plan.

### Orthophotography Projects

Mike Mahaffie and Roger Barlow reported on the DVRPC project to collect orthos of a large area around Philadelphia in spring of 2010. Thanks to funding from the NGA, this includes New Castle County.

Mike Mahaffie also reported on plans to “back fill” Kent and Sussex Counties in 2011. There is some funding already set aside from grants, but a group continues to look at approaches and funding options.

Among the approaches under consideration is partnering with USDA on the 2011 NAIP project. Mike noted, however, that the NAIP specifications don’t match very well with Delaware’s requirements. (See attached slides)

Delaware lately has always collected orthos at a ¼ meter resolution, leaf off, and in four bands. NAIP is usually a simple, true color, 1-meter project. The USDA does offer a buy-up to 4-band and might be able to offer a ½-meter resolution buy-up, but the imagery would still be leaf-on, which some have called a possible deal-breaker.

### New Business

#### Address Matching Service/Geocoder

Kim Cloud reported that the broadband mapping project requires an address-matching functionality as part of the mapping system that is being stood up. She noted that there are the TeleAtlas data for traditional geocoding but that an address point matching system would be best.

Mike Townshend commented that he uses the TeleAtlas information for geocoding in DNERC but he does sometimes have some problems.

John Laznik stated he set up a similar process for the school districts. He encouraged the group to bring back the Address Working Group was started several years ago but that had stopped meeting.

### Learning Things

#### Pictometry

Kristen O’Connor of [Pictometry International](#) gave a presentation (attached) on some of the products and services provided by her company. She is the sales representative for the Northern Region. A 30-day free trial was offered and a signup sheet was passed around.

### Open Comment Period

A meeting is being scheduled to discuss Geocoding. Anyone interested should contact [Kim Cloud](#).

Roger Barlow commented on a presentation he attended on August 25 regarding new satellite launches for GNSS – the Global Navigation Satellite System that we used to call GPS. There is now a third channel,

“z” added to the x and y to give elevation along with latitude and longitude. He added that there is an update underway of the planetary geoid and there will be an update to the North American datum at some point soon.

Michael Townshend noted that Delaware Coastal Programs are set to go live next week with an on-line map using data from sea-level rise studies.

Patrick Susi asked if there is an “official” shoreline of the Delaware River. Roger Barlow explained that there are seven different possible “shorelines” based on elevation and that he is interested in working with Delaware and with the NOAA Coastal Services center on this issue.

There was a discussion of ArcGIS 10 and the several bugs that users have found. There will be a major service pack update in late fall and some users may wait for that before upgrading to ArcGIS 10.

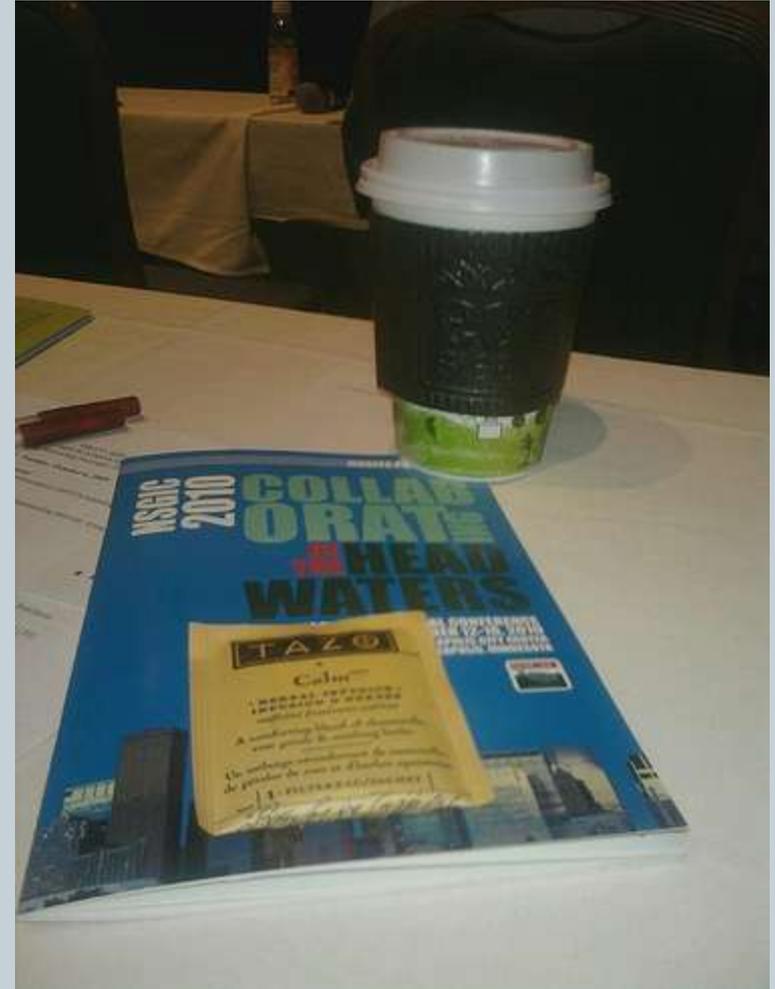
Miriam Pomilio announced that the DGS has updated their website.

There being no further business, the meeting adjourned at 11:30 a.m.

# NSGIC 2010



- 9/12 – 9/16
- Minneapolis, MN
- An “all-ignite” conference
- Notes and PPTs at [bit.ly/nsgic2010](http://bit.ly/nsgic2010)
- Tweet archive #nsgic (fading, though)



# I Took Some Notes



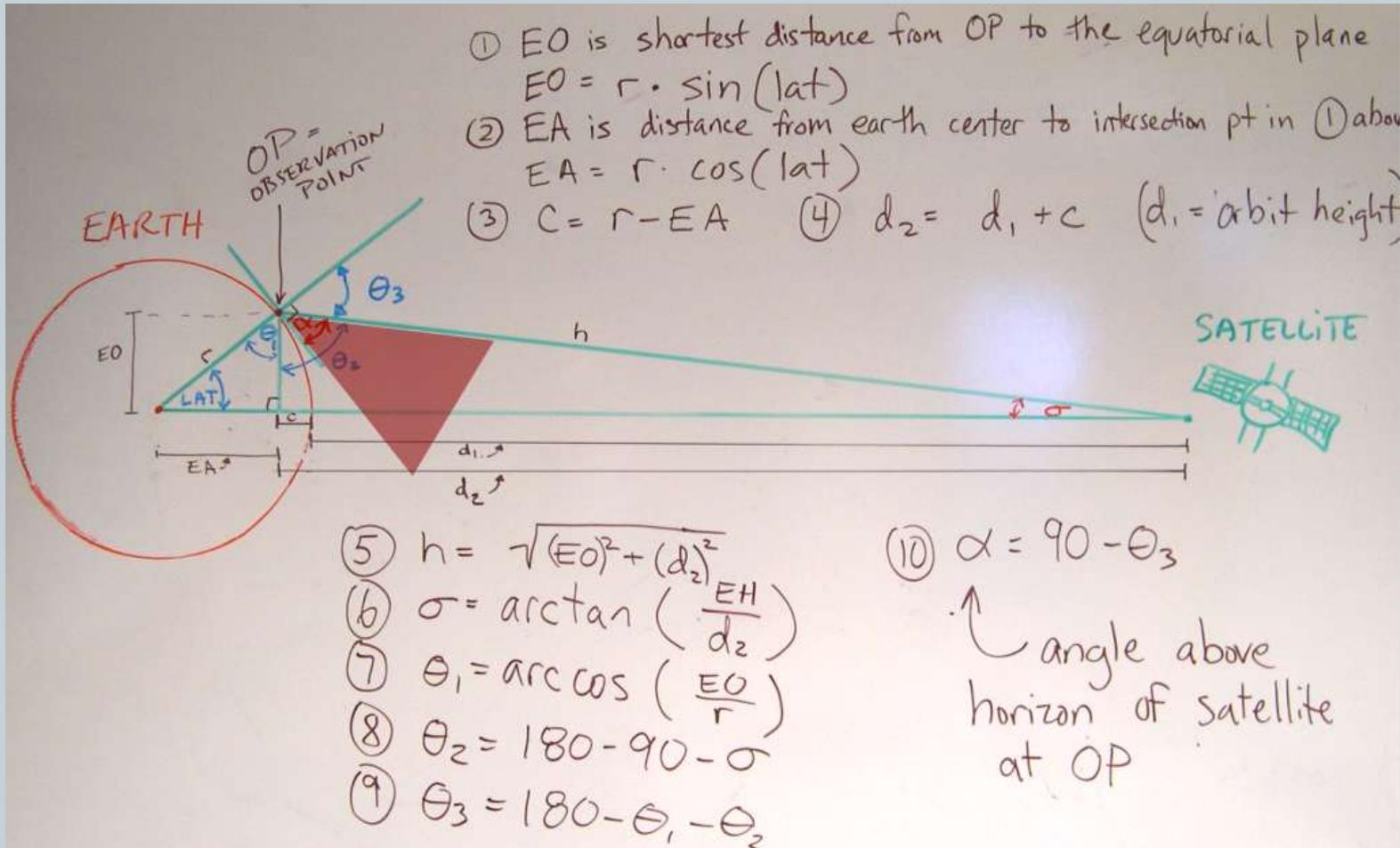
- Usability testing: “Put application in front of user. Shut up. And Watch” (Peter Batty)
- FGDC is (still) working on a metadata standard update
- Community Basemaps is not the same thing as ArcGIS.com
  - Both are probably important
  - Many states have concerns about Community Basemaps
- Geoportal is going Open Source
  - You can run it without running ARCServer

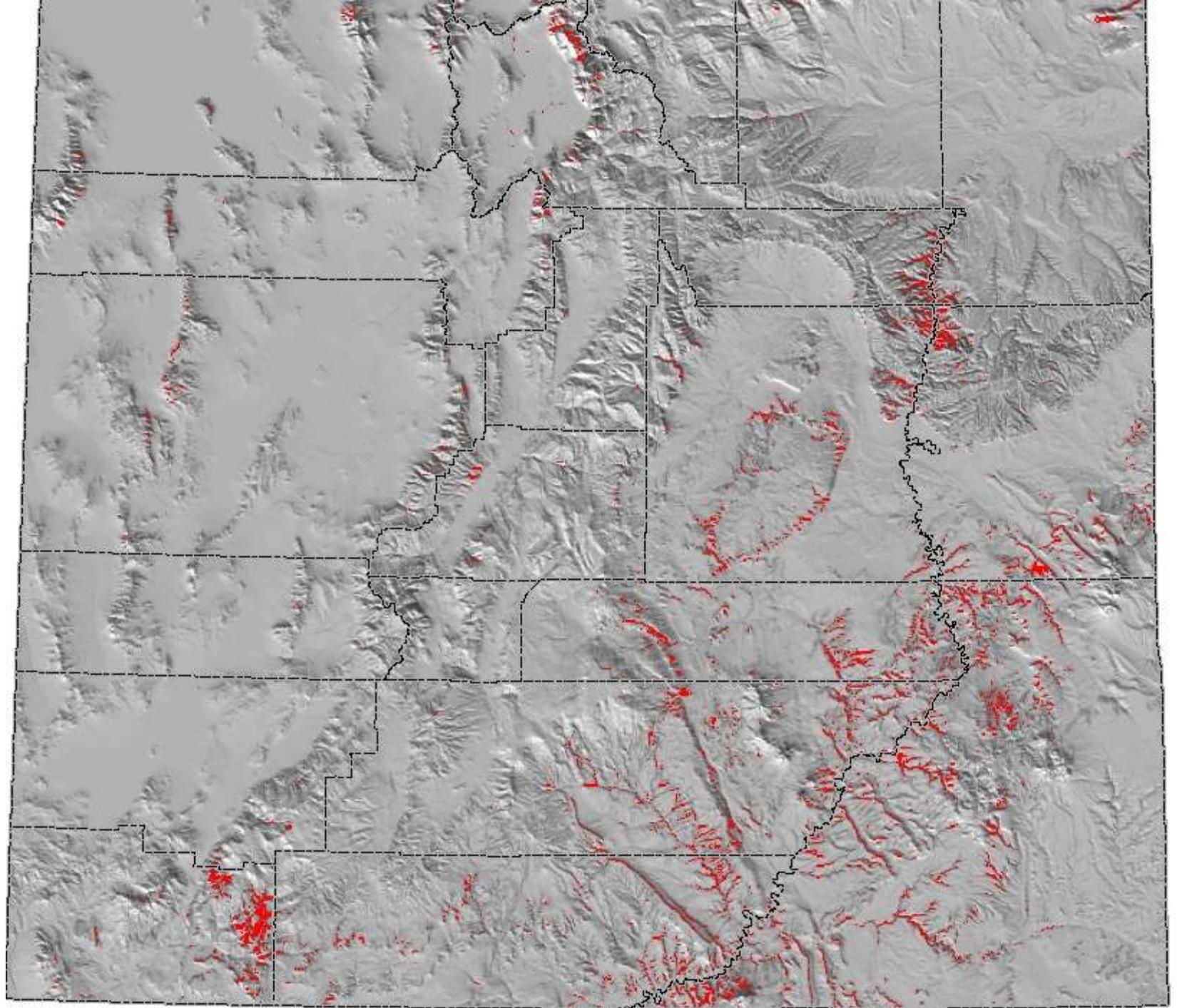
# Some Things I Remember



- FCC getting active in GIS
  - For broadband mapping
  - Former CA GIO Mike Byrne now working at FCC
    - ✦ [issuemap.org](http://issuemap.org)
- Broadband mapping is big
  - Driving development of address point data in many states
  - Some interesting innovations
    - ✦ Driving all roads in Vermont with a car-top carrier filled with cell phones
    - ✦ Mapping satellite reception shadows in Utah

# The Utah White Board





# Other Things I Remember



- A “Geospatial Maturity Assessment” for states is under development
  - 50+ questions, self-assessment, “sliding” gauges
  - More to come
- EPA Facility Registry System
  - Working with states
  - Grants available to help build the EPA Exchange Network
    - ✦ Can be for GIS-related work
- The USPS County Project
  - Matching county address data against USPS data
  - [bit.ly/usps\\_addresses](http://bit.ly/usps_addresses)

# Also...



- **Announcement: NGA has funded NAVTEQ data for state and local use**
  - FOUO
  - For emergency applications only
  - Details yet to be worked out
  - Still...
- **Feds are doing a strategic plan for Transportation for the Nation**
- **A Geospatial Platform is proposed**
  - In White House budget language
  - No details yet...



# It Gets Hazy After a While



- **Virtual USA**
  - Emergency management-based, multi-state “sandbox” approach
  - Too much waiting for central, federal government data-sharing tools => issue-based, regional approaches
- **NAIP Returns in 2011**
  - Delaware on the list for leaf-on, 1-meter photography
  - Possible buy-up to 1/2 meter and 4-band
  - We need to talk about this

# A Possible Idea



- Is it time for a Mid-Atlantic Regional GIS Organization?
  - Or something...
  - MAGIC is taken, I'm afraid
- DE, MD, DC, VA, PA and NJ?
- Focus on data coordination for emergency management?
  - There are already emergency management consortia in the region
- Needs further discussion

# Next Year In...

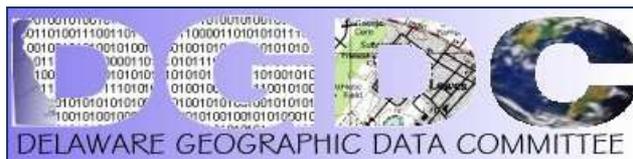


- It was suggested that each state think about bringing a team
  - GIS Coordinator, Transportation, IT, Natural Resources, Emergency Management, Health, Etc.
  - We can join as a group a bit cheaper...
- The mid-year is in Annapolis
- The annual is in Boise, Idaho
  - Note: NSGIC Conferences allow for very little sight-seeing...
  - Also, these people are crazy





# State of Delaware Strategic & Business Planning 2009 - 2010



Michael Turner

Executive Vice President

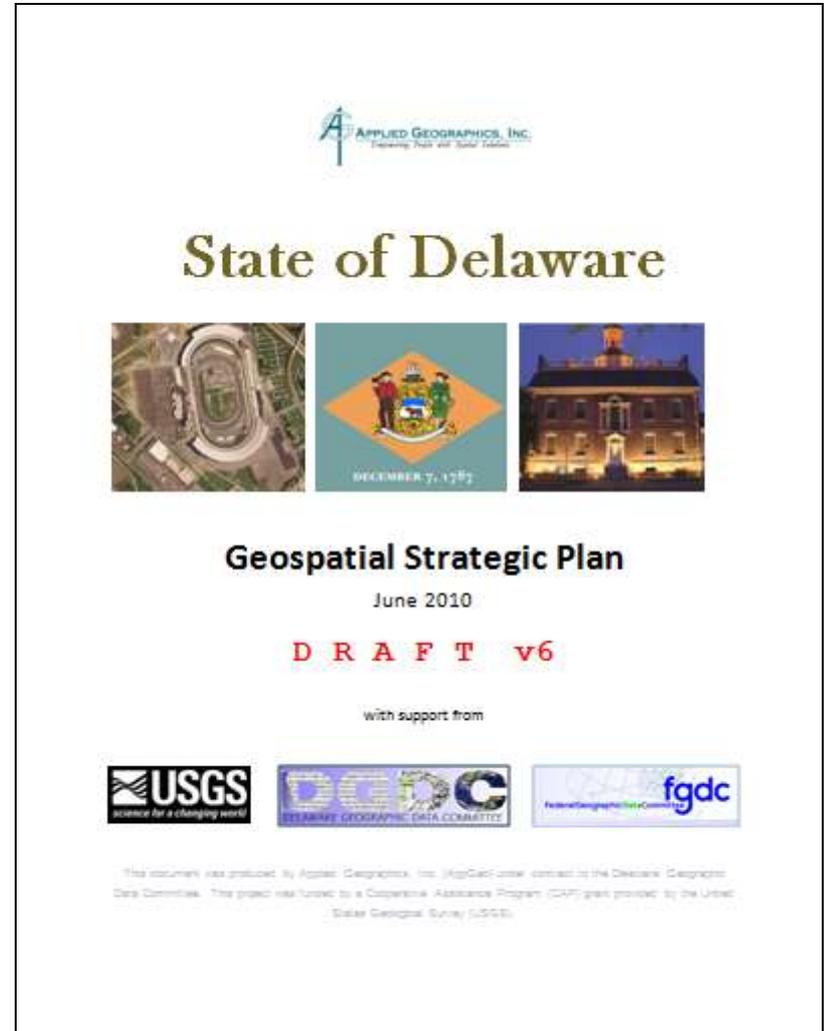


**APPLIED GEOGRAPHICS, INC.**

*Empowering People with Spatial Solutions*

# Status

- Strategic Plan completed and approved by DGDC Executive Council this summer
- Business Plan undergoing final review (and hopefully approval) in September-October



[http://stateplanning.delaware.gov/dgdc/strategic\\_plan/delaware\\_gis\\_strategic\\_plan\\_final.pdf](http://stateplanning.delaware.gov/dgdc/strategic_plan/delaware_gis_strategic_plan_final.pdf)

# Project Oversight

- Steering Committee Members
  - Mike Mahaffie, OMB  
Project Manager for this effort
  - Sandy Schenck, DGS
  - Kim Cloud, DTI
  - Jim Galvin, Dover/Kent MPO
  - Carl Yetter, Coastal Programs
  - Roger Barlow, USGS
  - Mark Nowak, City of Dover
- Project Consultant
  - Michael Turner  
Applied Geographics, Inc.

# Chronology

- Aug, 2009: Project Kickoff
- Oct, 2009: Stakeholder Workshop w/ 54 participants
- Oct – Dec, 2009: One-on-one interviews
  - Counties
  - State agencies: OSPC, DSHS, DOT, DTI
  - University of Delaware
- Winter-Spring, 2010: Plan Authoring
  - Overall goal: create a statewide “GIS Office”
- Summer, 2010: Plan approval by DGDC Executive Council (EC)
- Summer, 2010: Business Plan initiation
- Fall, 2010: Business Plan Approval (hopefully)

# SWOT Findings

## *Strengths & Advantages*

- Very strong statewide data
- Small physical size, small number of counties
- Stable governance via DGDC EC and DGDC
- Strong collaborative spirit
- University of Delaware geospatial resources

# SWOT Findings

## *Weaknesses & Challenges*

- No unified focal point for state government geospatial activity
  - “Collegial and cooperative efforts have gone as far as they can”
- No budget line item for funding statewide projects
- Challenges with statewide roads
  - TeleAtlas licensing is not working out as envisioned

# SWOT Findings

## *Opportunities*

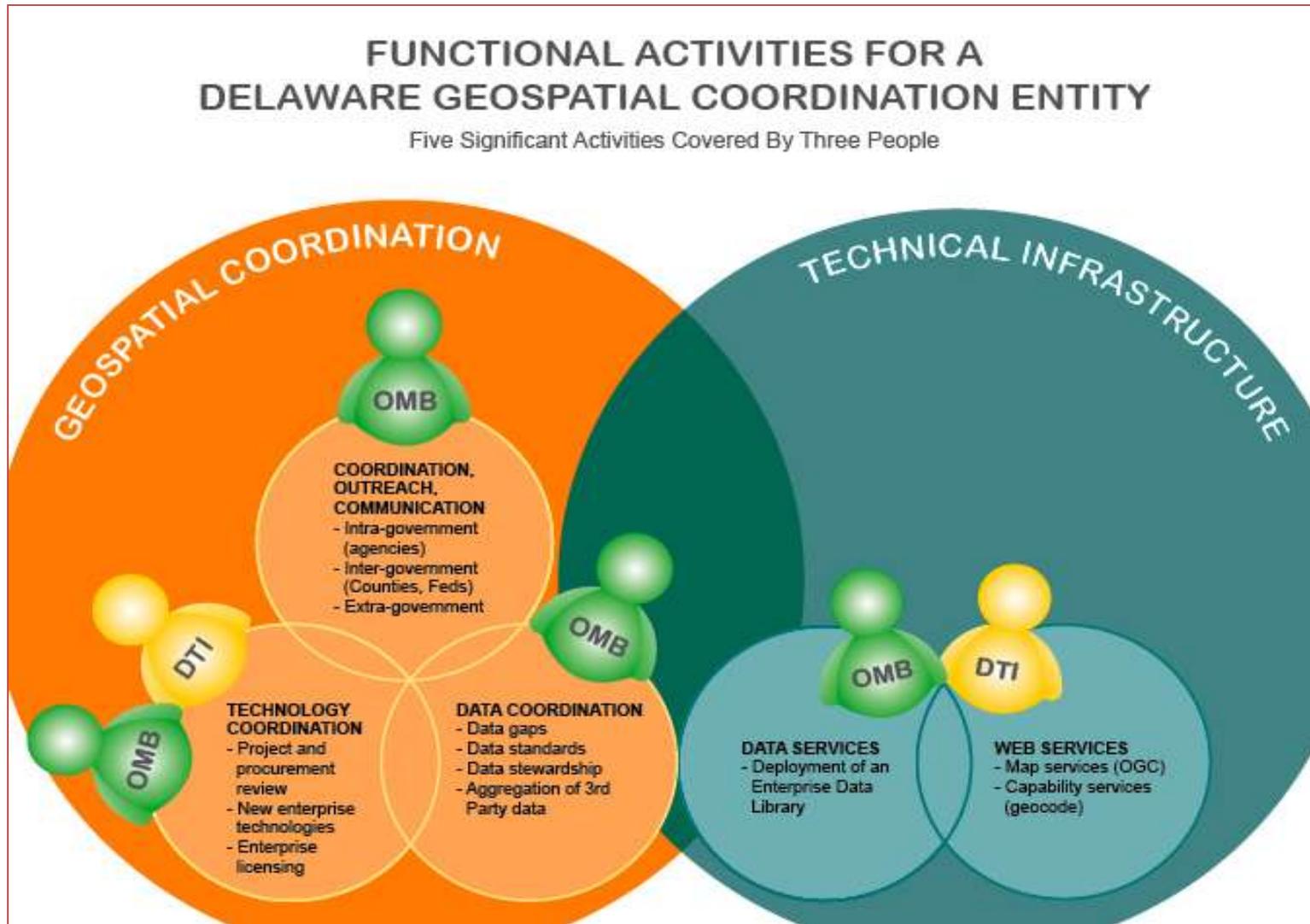
- DTI is becoming more involved in geospatial matters
  - ESRI ELA
  - Delaware Geospatial Data Exchange project
- Further opportunities for state government GIS adoption
  - Economic development
  - Renewable energy
  - DEMA

# Overarching Strategic Goals

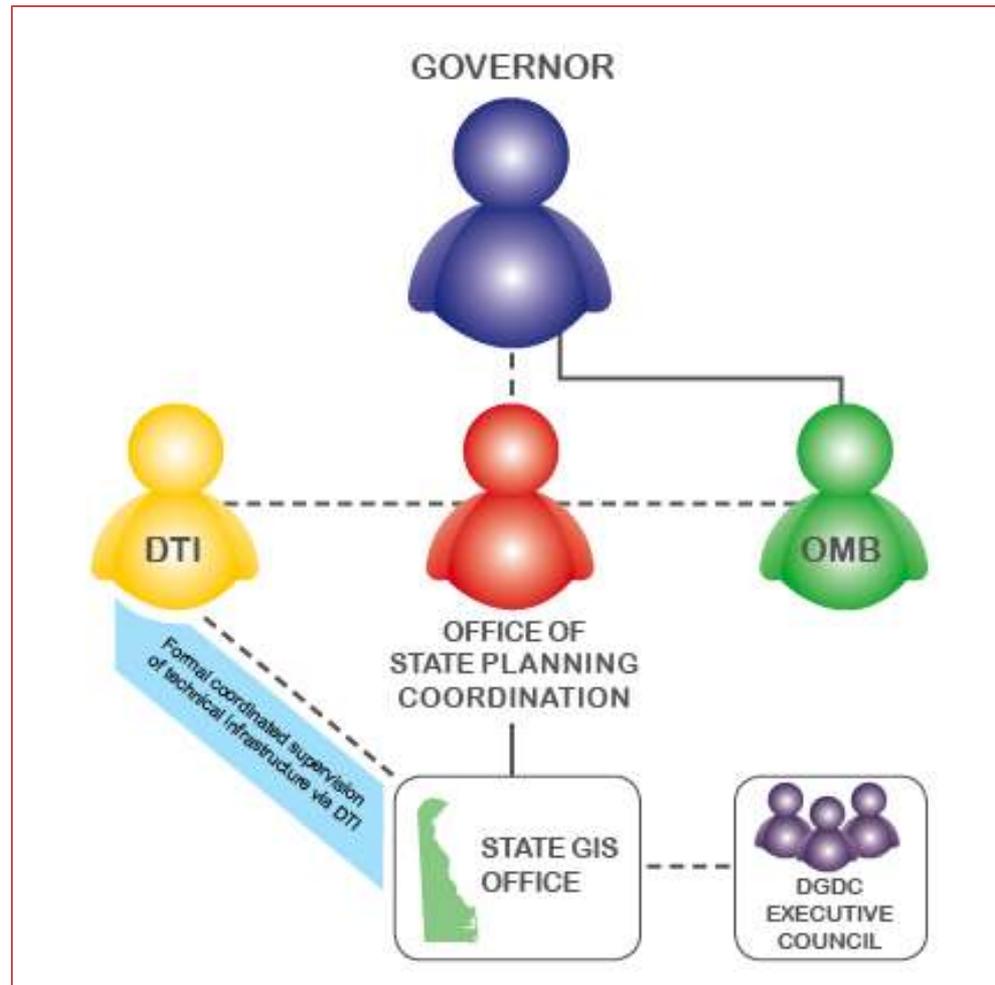
Delaware will establish a formal state government **GIS Office**, led by a state Geographic Information Officer (GIO) that would report into its parent agency and fall under the current geospatial governance framework provided by the Delaware Geographic Data Committee's Executive Council. The GIS Office will oversee a dedicated data development and maintenance fund.

The Delaware **GIS Office** will be provided recurring funding that is dedicated to the expansion and improvement of Delaware's framework data and spatial data infrastructure

# What might a GIS Office Look Like?



# Where might a GIS Office Be Placed?



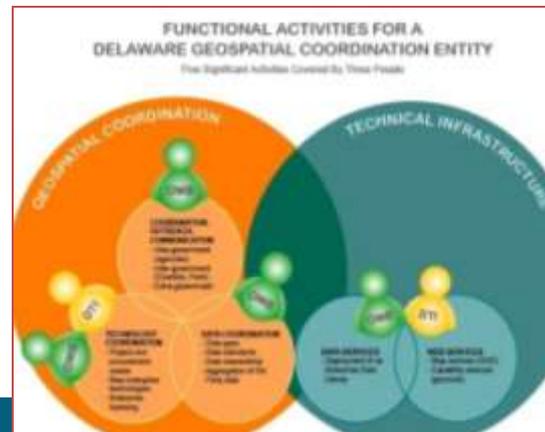
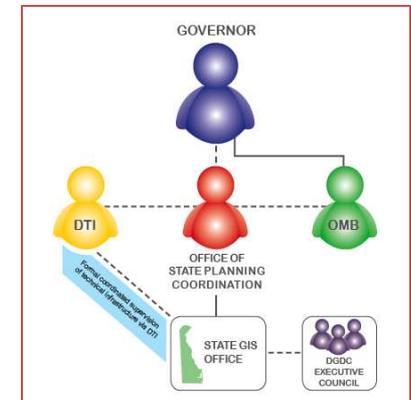
# Potential Implementation Path

Activity	2010			2011				2012			
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Finalize Geospatial Strategic Plan and begin education and advocacy for its recommendations	■	■									
Work with current Administration to include potential funding and language changes as part of FY2012 budget		■	■								
Work with Administration to sustain support for funding of new GIS Office as part of FY2012 budget.				■	■						
Establishment of new Delaware GIS Office						*					
Delaware GIS Office commences operations						■	■	■	■	■	■

# Business Planning

To address unanswered questions from Strategic Plan

- Develop a **business case** for creating the office
- Finalization of:
  - Location of office within state government
    - Size of staff
    - Creation of new positions vs. reassignment of existing personnel
  - Mission and activities



# Business Case Basics

- Three classes of quantitative benefits
  1. Protecting & leveraging existing investments
    - DataMIL & Geospatial Data Exchange evolution
  2. Development of shared resources
  3. Controlling costs via coordinated action
- DNREC Delaware Coastal Program documented:
  - \$15k-\$30k of reduced staff time (fewer field visits)
  - \$925k of avoided contractual costs
  - Due to availability of shared resources



# Mission

Managing and fostering the development and maintenance of a **statewide geospatial data infrastructure** and **enterprise geospatial technology platform**. The technology platform and data infrastructure will be available to, and utilized by *all units* of state government. The state's public geospatial data assets will be made available to the state's public and private sector partners and the general public.

# Staffing

- Recommending three positions:
  1. Geospatial Information Officer (GIO)
  2. Geospatial Data Manager
  3. Geospatial Developer
- Details of creating positions will be a function of the political process

# Summary & Conclusions

- It has been a constructive planning process
- That has developed as sensible set of timely recommendations
- Success will partly depend on the energy of the stakeholder community to advocate for these outcomes

# Thank You

## Any Questions?



Michael Turner  
[mgt@appgeo.com](mailto:mgt@appgeo.com)

# Orthophotography Projects



- 2010 New Castle County Project
- 2011 Kent and Sussex Projects
  - State/federal funding for a “traditional” update
    - ✦ 1/4 meter, leaf-off
    - ✦ 4-band?
  - But what about NAIP?
    - ✦ 1-meter data
      - Possible 1/2 meter buy-up
      - Possible 4-band buy-up
    - ✦ Leaf-on, though

2009 Leaf-On NAIP



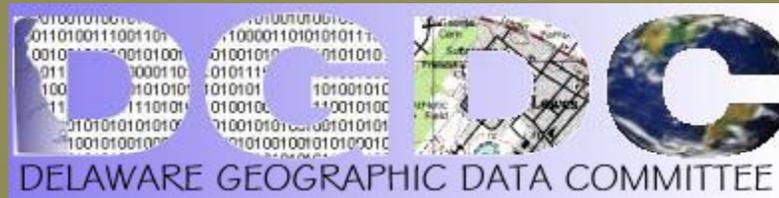
2007 Leaf-Off Ortho





**Welcome...**

# Delaware Geographic Data Committee





- Invented Intelligent Oblique Imagery Capture
- World Leader in Oblique Imagery
- Captured Imagery in all 50 States and Over 40 Countries Worldwide
- Captured Over 48 Million Images in 2009

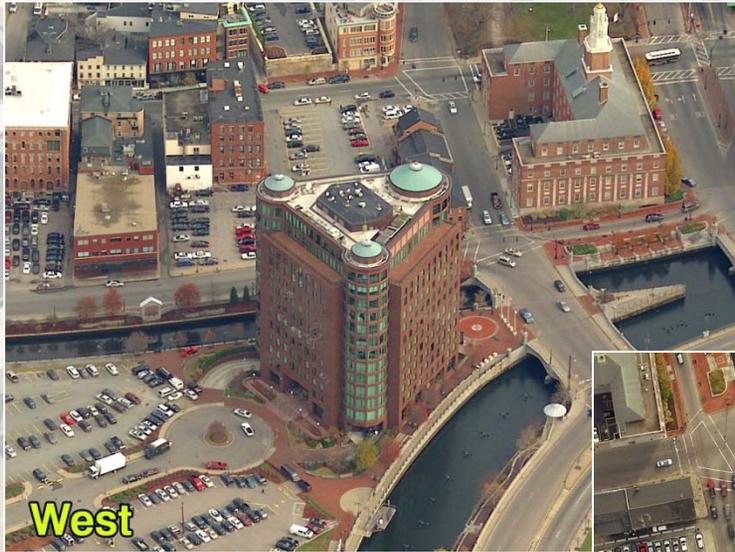


"Traditionally" You Have This...

In Addition To This...

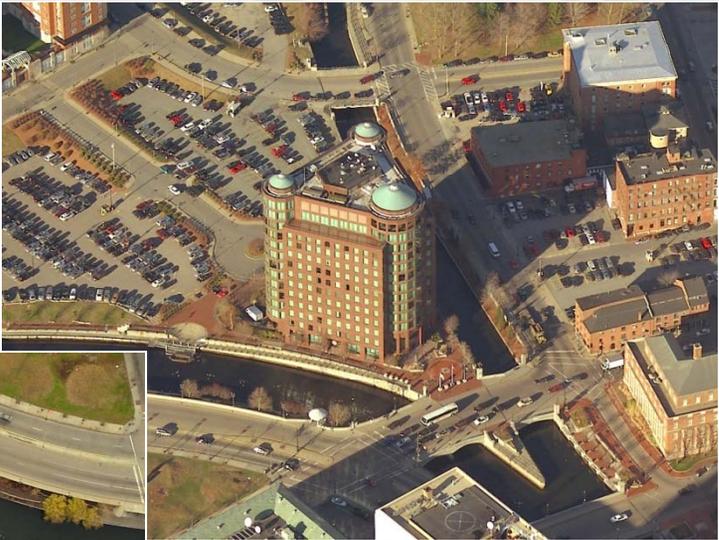


**Ortho**



**West**

**Know  
Before  
You Go**



**Measure Anything**



**Ortho**

**See Everywhere**



**South**

**Plan  
Everything**



**East**



Pictometry On-Line  
POL

Access imagery and  
collaborate on projects from  
ANYWHERE

# Pictometry

Intelligent Images®

Workspace | Search: Address | Dover, DE | Welcome Kristen O'Connor | Logout | Coverage | Preferences | Help

Workspace (Author)  
Annotations  
Bookmarks  
Layers - BETA  
Flood Levee  
Flood Watershed  
Flood Zone Detail  
Flood Zone Simple  
Floodway  
Franklin Parcel Images  
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Road Segments  
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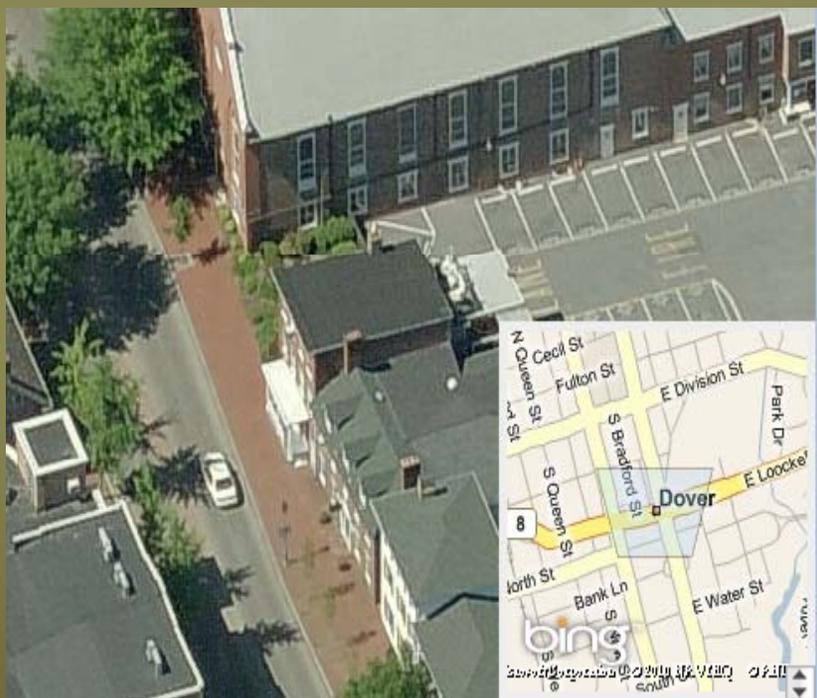
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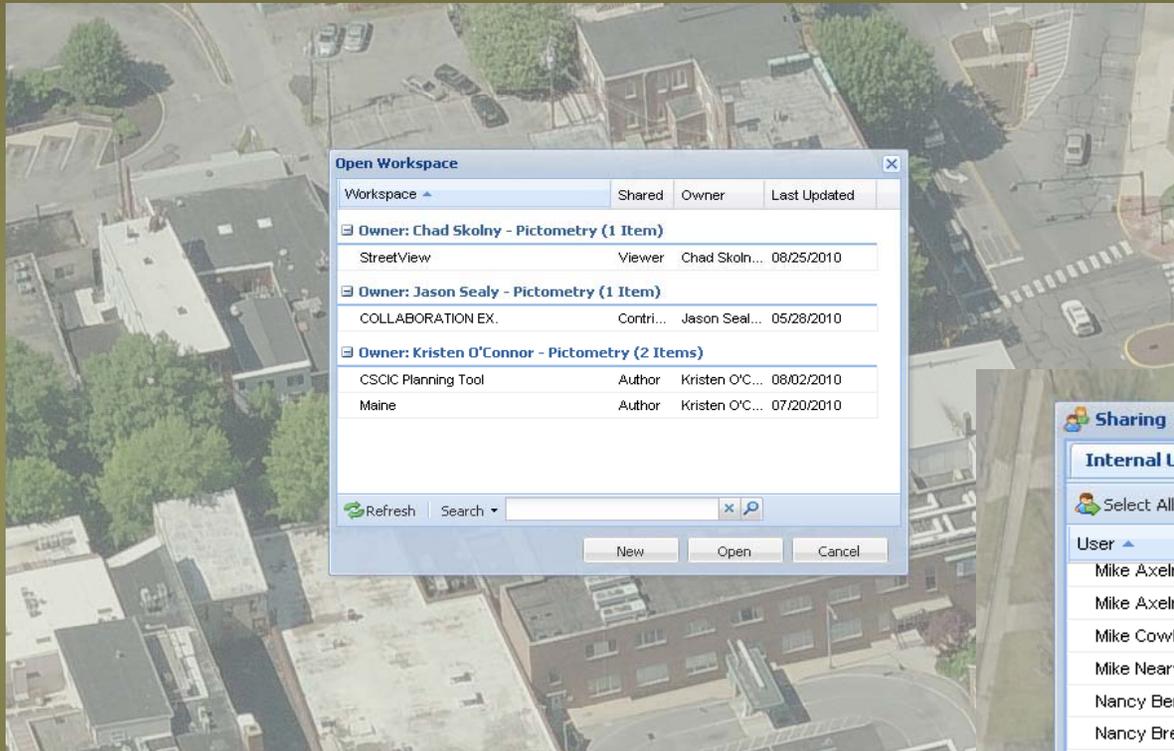
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- 11/26/2002
- 11/25/2002



# Pictometry

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**Open Workspace**

Workspace	Shared	Owner	Last Updated
<b>Owner: Chad Skolny - Pictometry (1 Item)</b>			
StreetView	Viewer	Chad Skoln...	08/25/2010
<b>Owner: Jason Sealy - Pictometry (1 Item)</b>			
COLLABORATION EX.	Contri...	Jason Seal...	05/28/2010
<b>Owner: Kristen O'Connor - Pictometry (2 Items)</b>			
CSCIC Planning Tool	Author	Kristen O'C...	08/02/2010
Maine	Author	Kristen O'C...	07/20/2010

Refresh Search [input] [x] [magnifying glass]

New Open Cancel

**Sharing**

Internal Users External Users

Select All [v]

User	Share
Mike Axelrod	Deny
Mike Axelrod	Deny
Mike Cowles	[dropdown]
Mike Neary	Author
Nancy Bennett	Contributor
Nancy Brelos	Deny
Nancy Reece	Viewer
Nathan Cleveland	Restricted
Nathan Polakos	Deny

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Save Cancel



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day free trial to POL?

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imagery available in  
Delaware. To get started  
all we need is an email  
address!

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