

Facilitating the sharing and coordinated use of spatially referenced data in Delaware

**Meeting Minutes
DGDC Meeting
9:00 a.m., March 17, 2009
Room 220
Kent County Admin. Building
555 Bay Road
Dover, DE**

Attendance List:

Mike Mahaffie	OMB
Renee Dixon	OMB
Doyle Tiller	OMB/DFM
Kim Cloud	DTI
Tom Steele	DSHS
Terry Whitham	DSHS
Barbara Gladders	DHSS
George Yocher	DHSS
Sandy Schenck	DGS
Miriam Pomilio	DGS
Lillian Wang	DGS
John Laznik	UD/CADSR
Zhiming Yang	Delaware State University
Matt Laick	DelDOT
McKelvin Gilbert	DelDOT
Jim Galvin	Dover/Kent MPO
Valerie Miller	DSHA
Mary Harper	HCA
Mike Krumrine	DNREC
Deborah Sullivan	DNREC
Mike Ward	Kent Co.
Danielle Lamborn	Kent Co.
Laura Konwinski	URS Wilmington
Jocelyn Beland	Artesian Water
Carman Hunter	Artesian Water
Michael Hanna	Tidewater Utilities
Christine Smack	Tidewater Utilities
Phil Pierdomenico	Citizen
Anthony Puzzo	ESRI
Peter Marsey	McCrone, Inc.
Bill Stephens	Stephens Environmental
Brianne Jordan	GeoDecisions
Gretta Luedeke	USDS/FSA

Welcome and Introductions

Mike Mahaffie began the meeting at approximately 9:10 a.m. with a round of introductions. And Mike thanked Mike Ward and Kent County for hosting the meeting.

Announcements

Mike Mahaffie announced that the next DGDC Executive Council meeting will be on April 2, 2009, and the next DGDC meeting will be on June 11, 2009. Locations will be announced later.

Mike introduced and welcomed Anthony Puzzo as the new ESRI representative for Delaware. Anthony gave a brief introduction of himself.

Mike introduced Gretta Luedeke from the USDA Farm Service Agency. Gretta announced that Delaware is part of the 2009 National Agricultural Imagery Program (NAIP) aerial photography collection program. Data will be collected in summer, for agricultural lands only, and will be 1-meter resolution data in natural color. (Handout)

A new approach has been developed for verification by using absolute control point collection. The data are planned to be collected between June 15 and August 15. The imagery will be three-band and will take about a month to be compressed and sent through quality control. It will then go through field verification.

John Laznik asked if the information about what lands are in farming is maintained digitally. Gretta answered they are if still active.

John Laznik noted that the Delaware Emergency Management Agency has a Radiological Emergency Preparedness (REP) exercise in 2010 and needs an update of this information. Mike asked if GIS data showing these areas will be available to the state. Greta stated that she can get that information. (Following the meeting, Greta checked with FSA leadership and learned that the entire state of Delaware will be collected in summer 2009 under the NAIP program)

Approval of October 21, 2008 Meeting Minutes

A motion was made by Sandy Schenck, seconded by Terry Whitham, to accept the minutes of the October 21, 2008 meeting. The motion passed unanimously.

Subcommittee Reports

Conference Planning Subcommittee

Mike Mahaffie gave an update on the next GIS conference, which is scheduled for February of 2010. The subcommittee is in the process of debating a theme for the conference. Next steps include sending hold-the-date notices, calls for presentations and discussions on keynote speakers.

GeoEducation in Delaware

Miriam Pomilio reported that the subcommittee is meeting quarterly and is working with the Delaware Department of Education to add GIS in social studies lesson plans. Miriam shared that she is working with teachers from Cape Henlopen on a Google Virtual Field Trip.

GIS Day Subcommittee

Subcommittee chair Megan Nehrbas was not able to attend the meeting. Mike Mahaffie noted that Megan did a wonderful job organizing the November 19 events for GIS day. He added kudos to her team of volunteers as well. Miriam Pomilio noted that Megan is beginning work on dates for 2009 and if anyone is interested in getting involved, they should contact Megan.

Technical Infrastructure Subcommittee

Kim Cloud gave a presentation (Attached) on the progress of the Technical Infrastructure Subcommittee, which is responsible for providing recommendations and guidance to the Executive Council and to DTI on GIS infrastructure issues.

The subcommittee has identified its top priorities as:

- Building a data hub (to be known as the "Delaware Geospatial Data Exchange")
- Providing a Delaware Metadata Clearinghouse
- Developing reusable geospatial web services
- Working on the Strategic Plan/Business Case
- Doing a GAP analysis

Kim reported that there are several projects under way in other states, funded by FGDC CAP Grants, that are working on tools to integrate the federal government's Geospatial OneStop (GOS) into local data portals. Because those projects might result in tools that Delaware can use to make the GOS serve as a metadata portal, the subcommittee will hold off on that part of the project for now, to see what is developed.

Data Standards Subcommittee

Subcommittee Chair Pat Susi was not able to attend the meeting. Mike Mahaffie reported that the group has met and is discussing a path forward.

Updates and Reports

DataMIL Report

Sandy Schenck gave an update on DataMIL and recent improvements to the site. He said that he hopes that data is now easier to retrieve. Sandy announced that any questions or concerns were welcome to be sent via email. Miriam Pomilio added that data is downloadable for all layers. Mike Mahaffie thanked the DataMIL team for their work, stating that they have taken something good and made it better.

NSGIC Midyear Conference

Mike Mahaffie gave a presentation (attached) on the recent Midyear Conference of the National States Geographic Information Council (NSGIC). The conference was held in February. Mike reported that participation by Delaware attendees was funded by the CAP Grant received from the FGDC. He added that the grant requires Delaware to take part in the year's two NSGIC Conferences and that he hopes to have a few more people attend the annual conference in the fall.

Topics covered at the conference included the "50 States Initiative" strategic planning effort, interest from Google in working with state and local governments, NSGIC's Advocacy Agenda, Federal/State Coordination issues, the USGS' National Map Program, the 2010 Census, and the federal stimulus package.

Mike noted that there is a new lobbying group called the Agricultural Geospatial Coalition, LLC, which is focused on support for the NAIP imagery.

Some of the advocacy Agenda requests to Congress were:

- For the Imagery for Nation Initiative, establish a budget line item and cost of Federal Geographic Data Committee.
- For nationwide parcel mapping, direct the Census Bureau to release address point data now kept non-public by Title 13 of the US Code. Also, fund Federal Geographic Data Committee with \$295 million to initiate production with reoccurring \$85 million a year cost.
- Increase partnership funding by doubling the CAP Grant program.
- For Transportation for the Nation, provide \$500,000 for a business plan.
- To improve the national technology infrastructure by adding a Chief Technology Officer to OMB and authorizing \$345 million for programs.

Watershed Boundary Update

Sandy Schenck reported that a final watershed boundary update has been submitted to the EPA and is waiting for final certification. He noted that the watershed boundaries are tied to the NHD update that is now on-going.

Miriam Pomilio asked about the timeframe for certification. Sandy answered that he wasn't sure. Gretta Luedeke asked if Watershed Boundary data would be part of the Delaware Spatial Data Framework. Sandy answered that it is a federal program that asked the states to provide the information. There will need to be further discussion of this question.

NHD Update

Debbie Sullivan gave an update on the effort to update the National Hydrography Data set (NHD) for Delaware. She reported that DNREC has an EPA grant for a contractor to work on the project and that a contractor has been selected. DNREC is now in talks with that contractor, DES, to complete a contract. They will do the update based on both orthophotography and LiDAR data. The contractor has until October 2009 to complete work.

Sandy Schenck noted that the data will have to "fit" back in to the national database maintained by USGS. Mike Mahaffie added that that will be very important and that the DNREC contract will require that as a responsibility of the contractor.

Old Business

Strategic Plan for Delaware GIS Efforts

Mike Mahaffie gave a presentation (attached) on the strategic planning process that is about to begin. The DGDC has received a Cooperative Agreements Program (CAP) grant of \$46,000 from the FGDC under the "50 States Initiative" to undertake the project. The grant requires a 50% local match, which will be met with staff time by Mike and several other members of the project steering committee. The grant has been awarded to Delaware by the federal government, but cannot be used until the project is approved by the Delaware State Clearinghouse Committee. That group will meet on March 31, 2009.

The project will result in a single strategic plan for the maintenance of Delaware's portion of the National Spatial Data Infrastructure. It will also include individual business plans focused on data themes within the Delaware Spatial Data Framework. The strategic plan will include an assessment of the current situation and development of a vision, goals, and strategies to meet those goals.

Mike reported that a Strategic Plan template has been developed by the Federal Geographic Data Committee and has been used by many states. The terms of the grant require use of this template. He added that a key to the project will be bringing in an independent consultant not tied to any part of the Delaware GIS community to facilitate

a process that draws input from all members of that community. He stressed the importance of gathering input from the entire Delaware GIS community.

The planning process includes:

- Development of a Request for Quotations from possible consultant. The size of the project is such that a full Request for Proposals process is not required. There are several consultants around the nation that have done strategic plans for other states. The steering committee has developed a list of those consultants.
- A series of workshops and interviews to gather information on the current state.
- Development of a draft Strategic Plan for review by the DGDC review.
- Approval by DGDC Executive Council.
- Development of specific business plans.

Miriam Pomilio asked about a time frame for the project. Mike answered that the grant was received in February but the project won't start until April. It will be a one-year project and should be complete by March 2010. He added that he hopes to complete the strategic planning process as part of the 2010 GIS conference. Completing the business plans may take more time.

Terry Whitham asked if other states are under-going the same process. Mike answered that many states have completed plans and others are either in the process of planning or are just starting plans.

New Business

DGDC Representatives on the Executive Council

Mike Mahaffie asked the group to start thinking about nominations for DGDC representatives to the Executive Council. Under the DGDC bylaws, three representatives are to be chosen annually to sit on the Council. Two are to represent the municipal and academic sectors of the DGDC and one is to serve as an at-large representative.

The positions will be filled at the next DGDC meeting. Mike asked that nominations be e-mailed to him over the next month.

New Delaware Administration

Terry Whitham asked how the change in administration in Delaware has affected the DGDC Executive Council. Mike answered that that change has resulted in different members, in some cases, though he added that many of the cabinet-level members send proxies. He added that he hopes the new cabinet members will be able to attend some meetings.

Mike also noted that he has reached out to Governor Markell's office regarding the governor speaking at the 2010 conference.

2010 Census

Doyle Tiller asked about the next Census. Mike Mahaffie answered that there is now a "Local Census Office" open near the Christiana Mall. The Census Bureau is now hiring local staff for address canvassing. Mike can be contacted for more information.

Mike added that he serves as the Governor's Liaison for the 2010 Census. There is also to be a Redistricting Liaison. That position was held by the former secretary of DTI, but Mike believes it is as yet unfilled in the new administration.

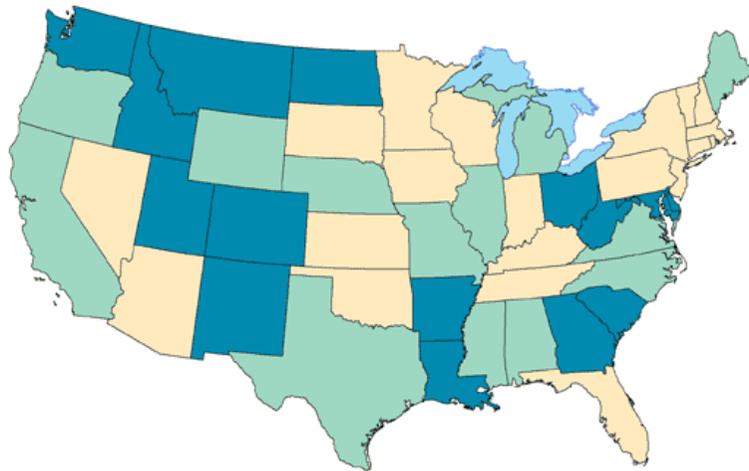
The meeting adjourned at 10:45 a.m.



2009 NAIP



Proposed NAIP Acquisition Cycle



Cycle Dates



June 3, 2008

- Delaware is scheduled to be flown for 2009 NAIP (Jun 15-Aug 15)
- Imagery resolution will be 1 meter (natural color)
- Only will cover AgLands/CLU areas
- Potential buy up for full state coverage (partners will pay 100% of cost; \$21,500)
- Potential buy up for 4 band imagery (full state coverage, 100% of cost \$5780)
- New standards for better accuracy of orthoimagery
 - Absolute horizontal standards (using photo identifiable control points) for QA checks

Contact: Gretta Luedeke, State GIS Specialist (USDA-FSA)
(W): 443.482.2774; email: gretta.luedeke@md.usda.gov



Technical Infrastructure Sub-Committee Update

DGDC March 17, 2009



Committee Description

- Technical Infrastructure sub-committee is tasked with advising and facilitating the direction of technology infrastructure in the state.
 - i.e., the mechanisms for transmitting data and architecture for hosting applications.
- Cross-organization team.
- Developing a roadmap for the direction of the infrastructure.
- Facilitating implementation of the roadmap.
- Providing recommendations based on input from the DGDC to the Executive Council.



Priorities

- Identified top priorities
 - Delaware Geospatial Data Exchange
 - Delaware Metadata Clearinghouse
 - Reusable Geospatial Web Services
 - Working with the Strategic Planning Committee on a Business Plan for Geospatial Infrastructure.
 - Continue to work on the gap analysis and roadmap.



Geospatial Data Exchange

- Official Name:
 - Delaware Geospatial Data Exchange
- Requirements sessions held in December.
- GeoDecisions documented requirements and design.
- Build phase starting this week.



Metadata Clearinghouse

- CAP Grant recently awarded to facilitate the creation of a suite of reusable components to enable organizations to integrate Geospatial OneStop search capabilities into their websites and other tools.
- Our recommendation is to hold off on creation of a separate DE metadata clearinghouse – we should be able to take advantage of the components developed under the grant.
- The Data Exchange will hold metadata for data in the Exchange. Options for integration of GOS will be considered as the project evolves.



Next Steps

- “House Rules” for the use of the Data Exchange
- Gap Analysis & Roadmap

NSGIC



NSGIC Midyear

The Year of the Advocacy Agenda



February in Annapolis

- Sunday 2/22 through Wednesday 2/25
- 185 attendees
 - 122 Government
 - 57 Private
 - 5 Staff





Agenda (More or Less)

- Fifty States Initiative Workshop
- State Caucus Meetings
 - Google Presentation
- NSGIC Advocacy Agenda
- Federal/State Coordination Issues
- The National Map
- Census
- Stimulus Package Mapping





The Advocacy Agenda

- Imagery for the Nation
- Parcel Mapping
- Partnership Funding
- Transportation for the Nation
- Technology for the 21st Century
 - Broadband





Advocacy in Action

- Detailed discussions of each agenda item, from several perspectives
 - Federal
 - State
 - Private Sector
- Where we are
 - Where we want to be
 - How to get there?





Advocacy in Action

- Creation of an industry advocacy group

AGC AGRICULTURE
GEOSPATIAL
COALITION, LLC

3001
a Northrop Grumman company

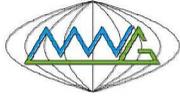

NORTH WEST GROUP


PHOTO SCIENCE
Geospatial Solutions


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SANBORN


SURDEX
CORPORATION

NSGIC

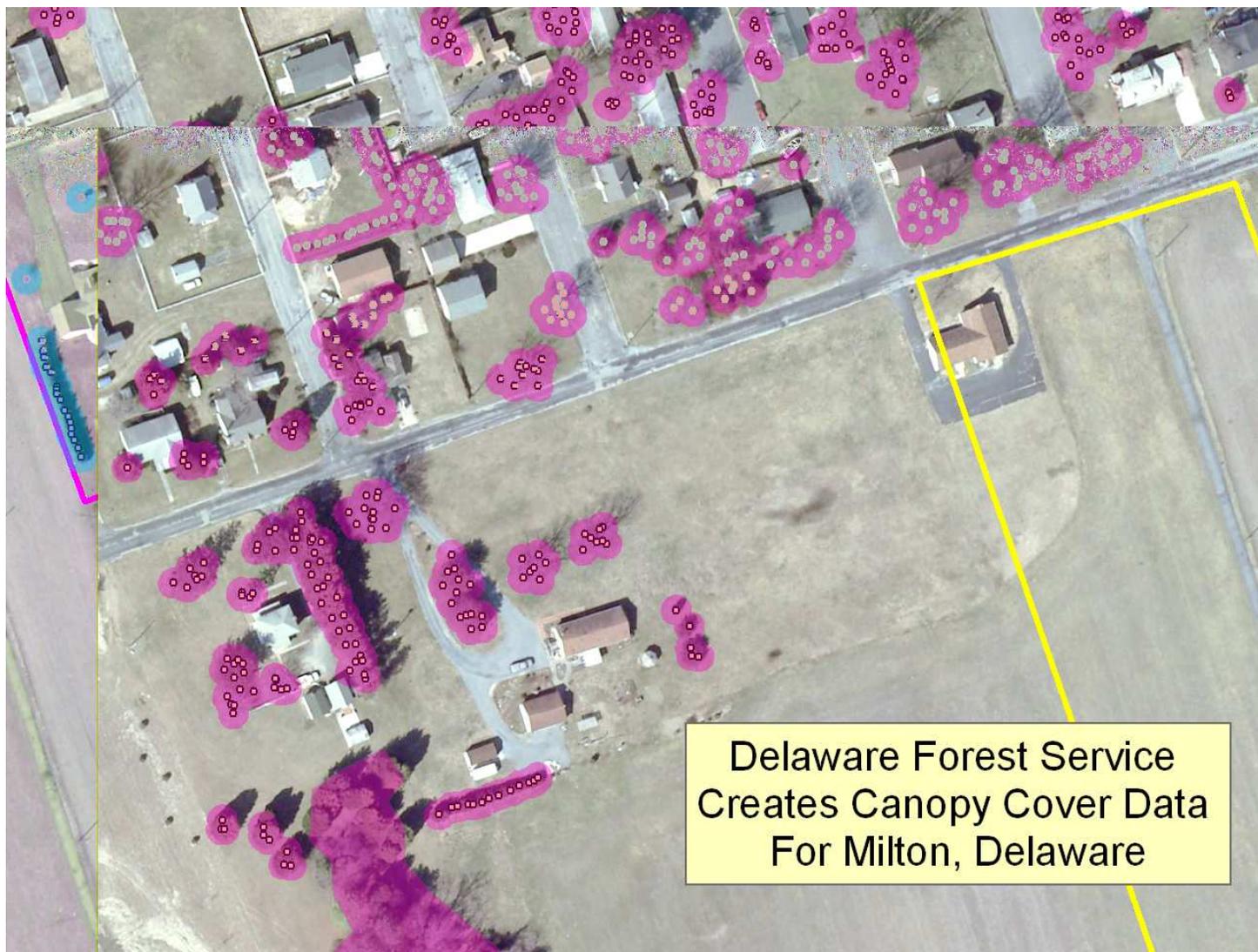



Hill Visits

- Several states participated in visits to their congressional delegations
 - As appropriate
 - Some with industry partners
- There was a Wednesday Evening Tech Expo on Capitol Hill
 - Used local examples to bolster the “ask”



Imagery for the Nation



Delaware Forest Service
Creates Canopy Cover Data
For Milton, Delaware



Imagery for the Nation

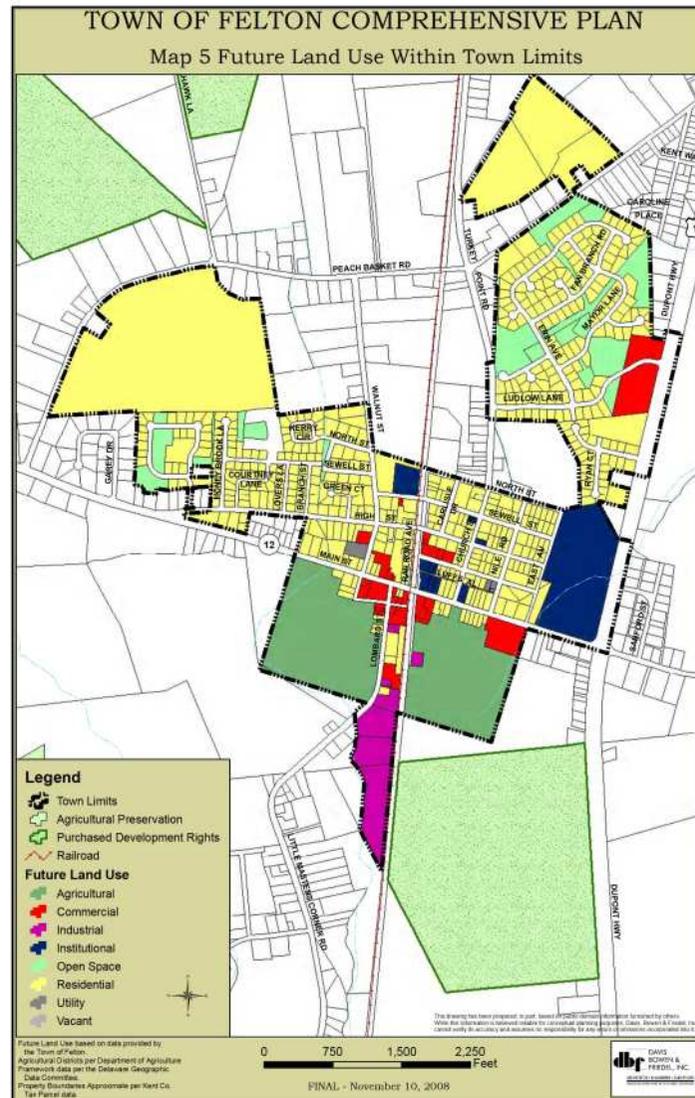
- What Do We Need From Congress?
 - Line Item Budget
 - Federal Geographic Data Committee
 - \$95.6 Million per Year



Certified "Shovel Ready"



Nationwide Parcel Mapping





Nationwide Parcel Mapping

- What Do We Need From Congress ?
 - Direct U.S. Census Bureau to release address points from Title 13 restrictions
 - Fund the Federal Geographic Data Committee \$295 million to initiate production, with a recurring cost of \$85 million per year, to establish a nationwide parcel database



Certified “Shovel Ready”



Partnership Funding

- Cooperative Agreements Program (CAP) Grants
- Supporting our Strategic Planning effort
- Supporting innovation:
 - DataMIL was a CAP Grant project





Partnership Funding

- What Do We Need From Congress?
 - Double the Federal Geographic Data Committee CAP Grant budget to \$2.6 million per year



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Transportation for the Nation

Road centerlines are developed nationally by at least 6 entities.

THIS IS DUPLICATION OF EFFORT AND A WASTE OF MONEY (Taxes and Private Funds)

NSGIC is working to build a plan that involves all of the data creators. So as a nation we can build it right, and do it once.





Transportation for the Nation

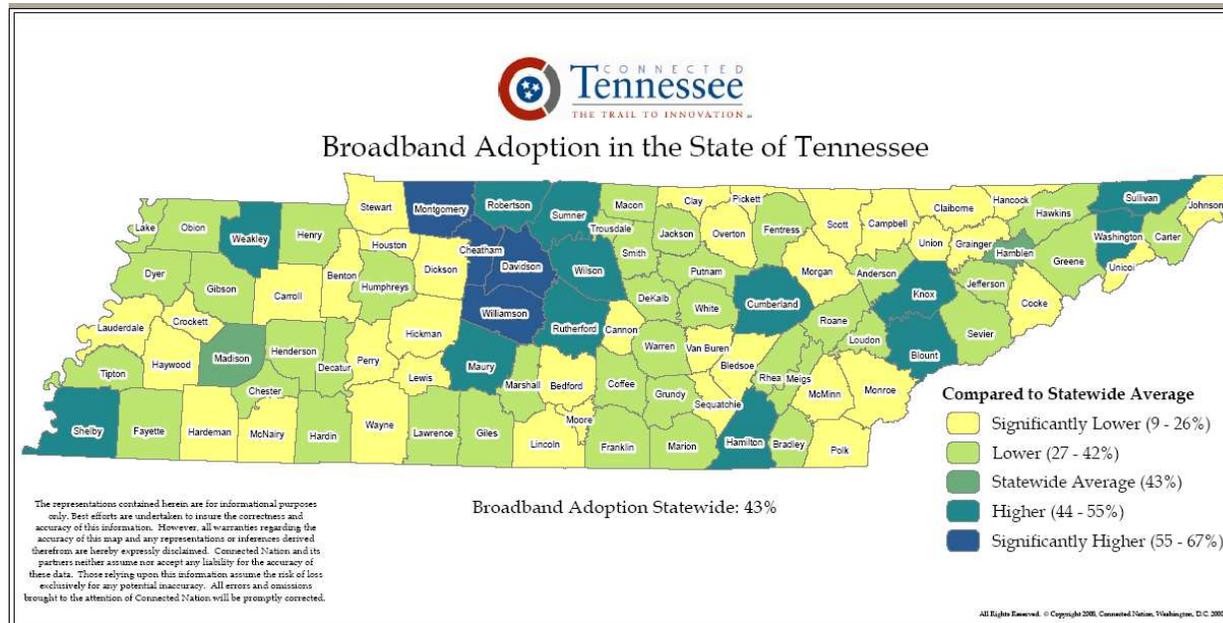
- What Do We Need From Congress?
 - Fund the Federal Geographic Data Committee \$500,000 to work the Department of Transportation and Census Bureau to develop a comprehensive business plan
 - Fund the Federal Geographic Data Committee for the amount identified in the DOT/Census Business Plan to implement a TFTN program





Tech for the 21st Century

- Essential tech to provide geospatial services to the public.
- Detailed coverage mapping is a critical part of this effort



NSGIC



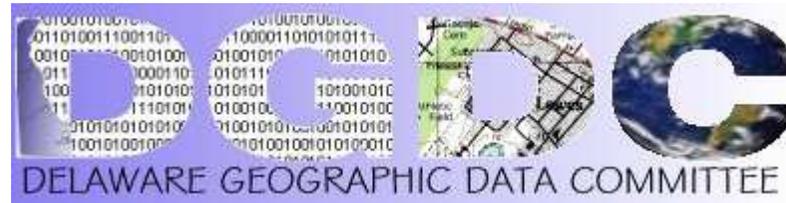


Tech for the 21st Century

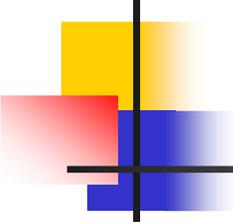
- What Do We Need From Congress ?
 - Ensure information on access is public and geospatially enabled
 - Establish CTO at OMB
 - Authorize \$345 million to implement its programs and to establish common protocols for GIS in federal agencies.
 - Reauthorize E-Government initiatives.



Certified "Shovel Ready"

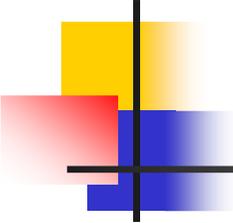


Strategic & Business Planning



Background

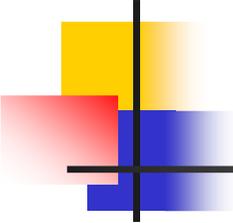
- DGDC proposed, and the Executive Council approved, a project to create Strategic and Business plans for Delaware's GIS Community.
- We have applied for, and received, a grant under the CAP Grant program.



CAP Grants



- FGDC wants to create a National Spatial Data Infrastructure (NSDI)
- State Spatial Data Infrastructures (SSDI) are critical building blocks for the NSDI
- Strategic plans will aid process of building SSDI's
- So, states need to self-assess and develop strategic plans



CAP Grants



- FGDC supports Strategic Planning via CAP grants
- But, FGDC wants the plans to be similar in structure
 - Allowing state-by-state comparison/contrast
- Therefore, they created Templates, in partnership with NSGIC
 - And require their use for CAP supported Strategic Planning

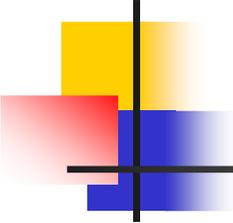
Fifty States Initiative



Strategic and Business
Plan Development
for Geospatial Information

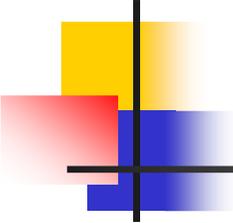
- 2006
- 2007
- 2008

Base data courtesy of the National Atlas of the United States®



Delaware's CAP Grant

- Awarded under CAP Grant Category 3 (Fifty States Initiative)
 - \$46,000 grant
 - 50% local match required
 - Time of Steering Committee members
- Next step: State Clearinghouse Committee
 - March 31

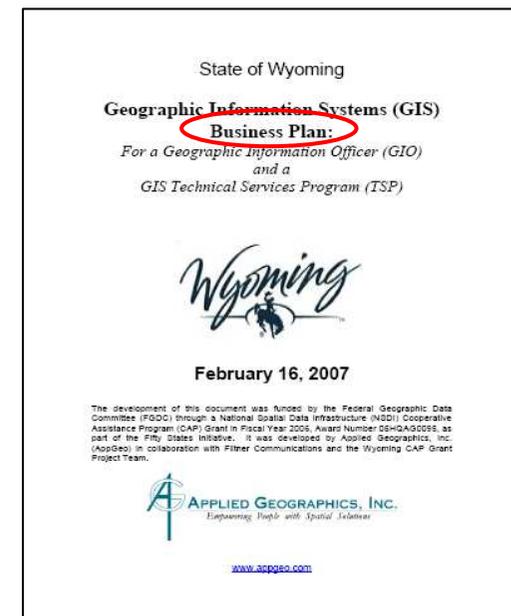
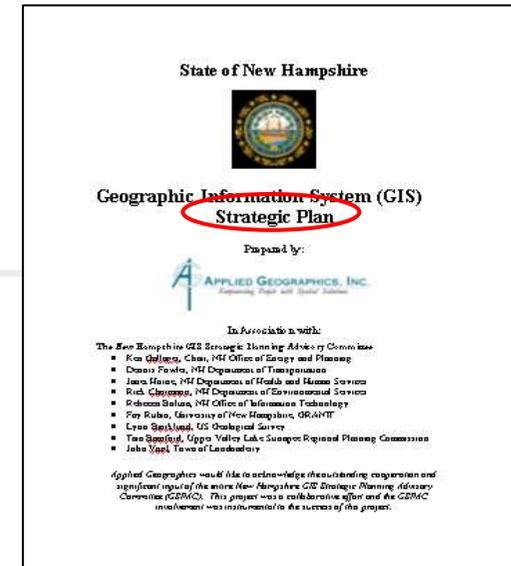


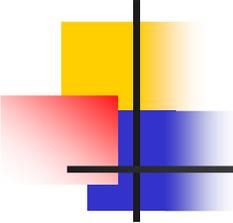
Steering Committee

- Mike Mahaffie (OMB)
- Kim Cloud (DTI)
- Sandy Schenck (DGS)
- Carl Yetter (DNREC)
- Jim Galvin (Dover/Kent MPO)
- Mark Nowak (Dover)
- Roger Barlow (USGS)

"One-Two Punch"

- **One** Strategic Plan...
 - What and Why
 - Vision & Goals
 - "Big picture"
- **...Many** Business Plans
 - How, When, and How Much
 - For those who approve and fund
 - Presented as business cases

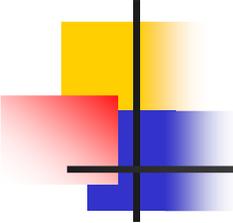




What One Looks Like

- Executive Summary
- Strategic Planning Methodology
- Current Situation
- Vision and Goals
- Requirements
- Implementation Program
- Appendices





Process

- RFQ from possible consultants
- Selection of a consultant
- Workshops (3?) and interviews to gather information
- Drafts reviewed by DGDC as a whole
- Submitted to Exec. Council for Approval
- Then... Business Plans!