

Meeting Summary
Delaware Geographic Data Committee
9:30 a.m., February 23, 2001
Mallard Lodge, Smyrna

Attendance List:*

David S. Hugg, III – Office of State Planning
Coordination
Michael Ward – Kent County
David Beattie – City of Wilmington
Peter Owusu-Donkur – Kent County MPO
Lillian Wang – Delaware Geological Survey
Dave Gula – Delaware Transit Authority
Sandy Schenck – Delaware Geological Survey
George Yocher – DPH
Rick Rutter – DEDO
Ann Jeffers – US Census

Bill Brierly – DNREC
Jan McCullough – DOL
Vern Svatos – University of Delaware
Bill Press - Gannett Fleming/Geo Decisions
Charles Canby – DABC - Public Safety
Alex Settles – Univeristy of Delaware
Larry Pomatto – DNREC, DWR
Debbie Sullivan – DNREC
Mike Mahaffie – Office of State Planning
Coordination

Welcome and Introductions

The start of the meeting was spread out over an hour to allow for late arrivals due to the snow. Mike Mahaffie began the meeting by stating that the agenda would be “fluid,” because of the snow, and that he would try to hold off on the major presentations until the latter part of the meeting.

Informational Notes

Delaware GIS 2000 Conference Update

Mike Mahaffie stated that approximately 180 people attended the GIS Conference and that the DGDC now needs to decide whether to have another in 2001 or wait until spring of 2002. Sandy Schenck stated that the proposed pilot Framework project with USGS would be completed by spring of 2002. Alex Settles confirmed that the vendors have shown interest in returning for the next conference. Bill Brierly stated that November and December can be busy months and that the January to March period is usually a good time to schedule a conference. There was some sentiment that to have it every 18 months would be confusing and that the group should pick a month to have it and keep it that month. It was noted that the last conference worked well because it was in connection with the GIS Day. It was agreed that Mike Mahaffie would poll the full DGDC membership to determine the best time for a next conference.

NASA Workshop

Mike Mahaffie stated that he, Mike Townshend and Sandy Schenck had attended a workshop in Tennessee on the availability of remote-sensing data from NASA. He stated that the workshop was interesting but he was not sure whether the type of data now available through NASA is what Delaware needs.

Regional Meetings

Mike Mahaffie stated that the Delaware River Basin Commission (DRBC) has put together a technical advisory committee known as the Information management Advisory Committee to advise it on spatial data and other information useful in updating the DRBC Strategic Plan.

* This list is based on the sign-in sheets filled in at the meeting. As always, we may have misread your or someone else's name. If you have any additions or deletions to suggest, please e-mail Mike Mahaffie at mmahaffie@state.de.us.

Mike also noted that there will be a meeting of people involved with the Spatial Data Clearinghouses in the region in early March.

Framework Organizational Issues

Mike Mahaffie gave a presentation (attached) on the issue of creating a Delaware I-Team. He noted that Delaware already has a Spatial Data Framework approved by the DGDC. He further stated that this idea came from the Federal OMB and is based on the desire to make federal agencies work together. Mike proposed a state-level "Implementation Team" which would partner with a Federal Partners Team, a Financing Solutions Team, and a Technical Advisory Team.

Mike stated the responsibilities of the State I-Team would include implementation of the new Framework "paradigm," public/private partnerships, developing and testing standards, guiding federal actions, and working with the Federal Geographic Data Committee.

Mike stated that the Federal Partners Team will be made up of senior officials from key federal agencies and will focus on federal efforts and coordinate the I-teams.

The Financial Solutions Team would address mismatches between the need for long term capital funding and reliance on short term funding. They will also explore intergovernmental and public/private financing options. This team would also help explain to legislators the benefit of aligning investments and explore interagency and crosscutting mechanisms.

The Technical Advisory Group will be a resource for the I-Teams and will help solve common challenges. This group would be open to all vendors and would keep all partners informed of crosscutting and innovative solutions. They would assist I-Teams in developing and testing new products and solutions and they would transfer knowledge of how to build interoperable networks and systems.

Mike stated that the Delaware I-Team would likely be made up of all the agencies that are providing data layers as part of the Delaware Spatial Data Framework.

"Del-IMS," An On-Line Framework

Mike Mahaffie gave a presentation (attached) on a proposed project to create an "on-line lab" to examine the ability of different levels of government to combine data sets collected at different resolutions. The proposal grew from discussions with the USGS on ways to integrate Delaware Framework data into the USGS Topographic Map Series.

The project would involve using the ArcIMS functionality scheduled to be installed in the Delaware Government Information Center to serve and combine the various Framework layers. This proposal is the subject of an often-updated concept paper available on the DGDC web site (www.state.de.us/planning/coord/dgdc/delims.pdf).

Sandy Schenck noted that many state rules and regulations make reference to data found on the topographic map series. The Subaqueous Lands Regulations, for example, make reference to the "blue-line streams" on the USGS map series. The State, therefore, has a strong interest in making sure that those maps are as accurate as possible and that they fit well with state spatial data sets.

Kent County On-line Mapping

Michael Ward, of Kent County, gave a presentation on on-line mapping served by the County. He noted that when Kent County started their comprehensive plan update they decided to make everything available on-line. Michael went through the website to show what was available.

Sandy Schenck asked if metadata was available for the information that was available. Mike Ward stated that it was not. Mike further stated that they get their information from Thompson Mapping and use Thompson's Smartmap as the server. This information can be viewed at http://www.smartmap.com/kent_co.

Sandy stated that the available information was great and that having metadata would enhance it even more so the user could see where the data came from if they had a question.

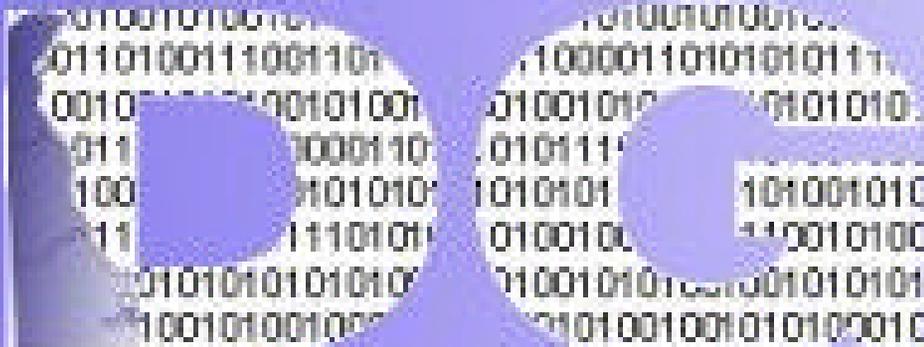
Data Leasing Issues

Bill Burgess, of the Maryland Department of Natural Resources and the Maryland State Geographic Information Council, gave a presentation (attached) on how to create partnerships for funding and distributing data. Bill gave an overview of data distribution in his agency and by other agencies and Maryland and reviewed some information about the Maryland Technology Toolbox.

Bill stated that his agencies copyright all data to ensure quality. He stated that some of the issues they have faced have been the use of the Internet for viewing, jurisdiction of the material, and reasonable reproduction. Bill rehearsed some of the legal questions that copyrighting data has raised. He noted that the copyrighting hasn't caused any problems yet and they have never prosecuted anyone but they have gotten calls from people with "stolen" data and they had to explain to them that they could not use it.

Bill called for adding information such as copyright, licensure and related issues more prominently to metadata.

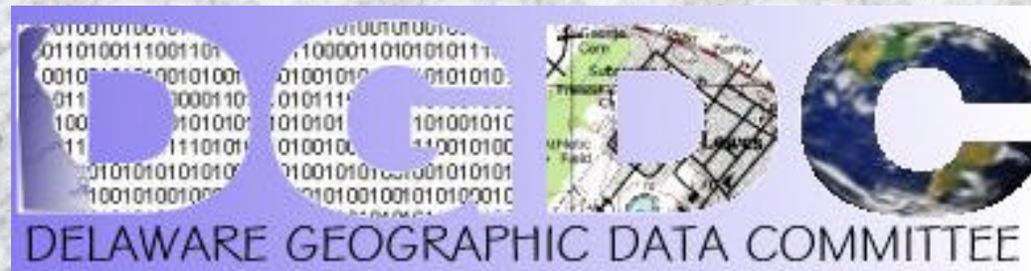
The meeting adjourned at approximately 12:00 p.m.



DELAWARE GEOGRAPHIC DATA COMMITTEE

A Delaware "I-Team"

For the Delaware Spatial Data Framework



Where We Are

- ⊕ Delaware Spatial Data Framework
 - ⊕ Approved by DGDC
 - ⊕ Version 1.0 mostly complete
- ⊕ Next steps
 - ⊕ “Institutionalising” it

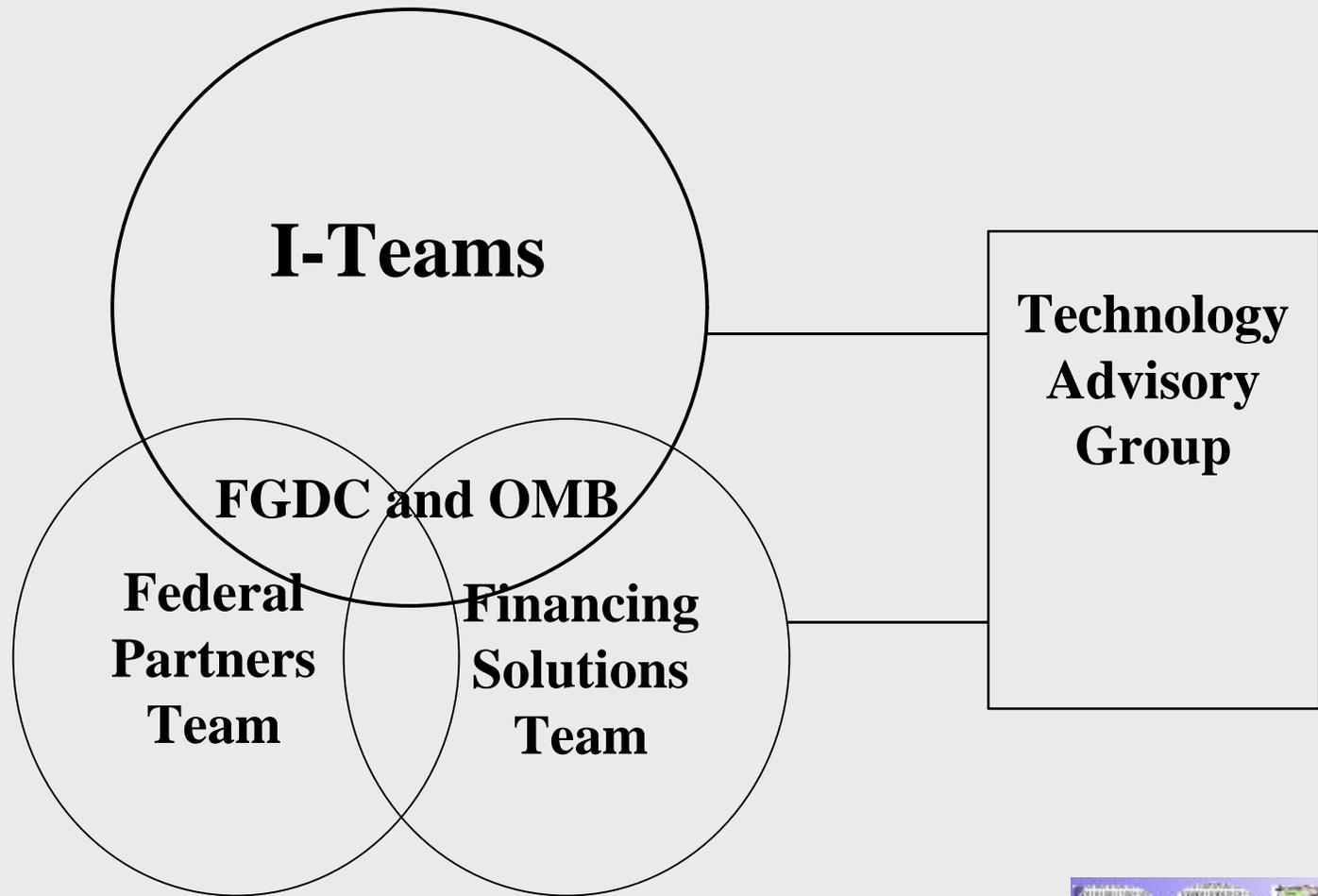
A Delaware I-Team?

- ⊕ An idea from the Federal OMB
- ⊕ Based on desire to make Framework (NSDI) work...
- ⊕ ...and to make federal agencies work together

A Delaware I-Team?

- ⊕ Through state-level
“Implementation Teams”
- ⊕ Partnered with
 - ⊕ A Federal Partners Team
 - ⊕ A Financing Solutions Team
 - ⊕ A Technology Advisory Group

Implementation Strategy



OMB's "New Paradigm"

- ⊕ Grow NSDI up from local level
- ⊕ Public/private partnerships
- ⊕ Pool and leverage investments
- ⊕ Share data collections
- ⊕ Allocate costs fairly
- ⊕ Capture economies of scale

Reengineer Federal Role

- ⊕ Insufficient resources to collect data at scale needed by cities, counties and states
- ⊕ Facilitate data sharing among partners
- ⊕ Don't dictate, be a resource
- ⊕ Let NSDI develop bottom-up

State-Level I-Teams

- ⊕ Implement the “New Paradigm”
- ⊕ Public/private partnerships
- ⊕ Develop, test and use standards
- ⊕ Guide federal actions

State-Level I-Teams

- ⊕ Identify State Framework
- ⊕ Identify needed steps
- ⊕ Develop “Implementation Plan”
- ⊕ Aggregate with other I-Teams
- ⊕ Work with FGDC

Federal Partners Team

- ⊕ Senior officials, key Federal agencies
- ⊕ Focus federal efforts
- ⊕ Coordinate with I-Teams
- ⊕ Energize framework development

Financing Solutions Team

- ⊕ Address mismatch between
 - ⊕ need for long term capital financing
 - ⊕ reliance on short term annual funding
- ⊕ Explore intergovernmental and public-private financing options

Financing Solutions Team

- ⊕ Help explain to Legislators the benefits of aligning investments
- ⊕ Explore better use of existing appropriation and procurement structure
- ⊕ Explore interagency and cross-cutting mechanisms

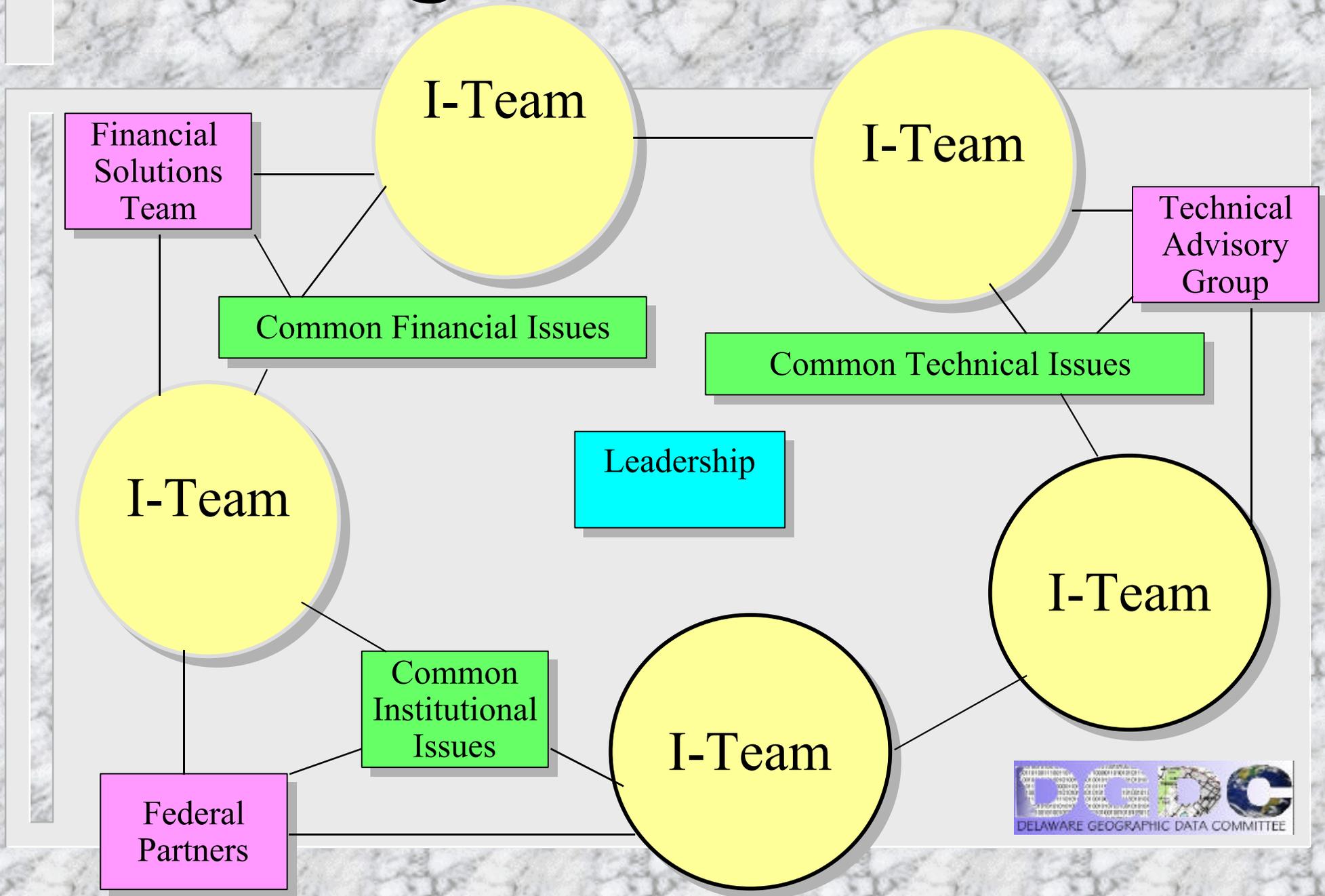
Tech Advisory Group

- ⊕ A resource for I-Teams
- ⊕ Technology neutral; open to all vendors
- ⊕ Help solve common challenges
- ⊕ Keep all partners informed of cross-cutting and innovative solutions

Tech Advisory Group

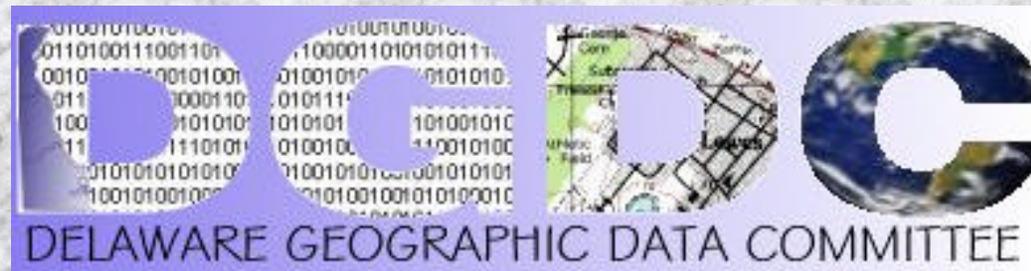
- ⊕ Assist I-Teams in developing and testing new products and solutions
- ⊕ Transfer knowledge of how to build interoperable networks and systems

Leverage For All Partners



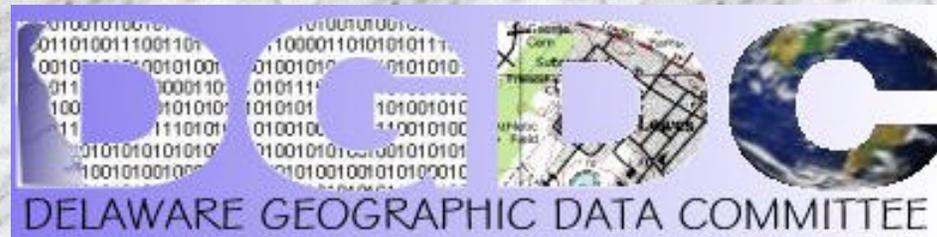
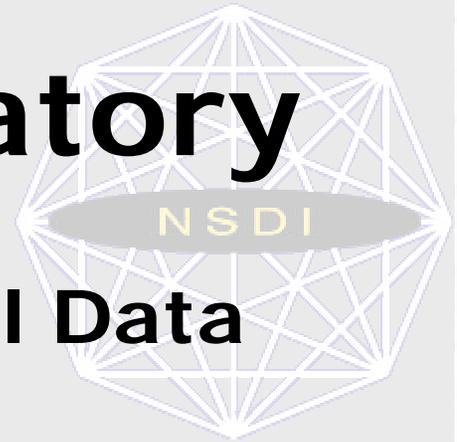
A Delaware "I-Team"

For the Delaware Spatial Data Framework



An On-Line Laboratory

Combining State and Federal Data



How We Got Here

- ⊕ Delaware Framework approved
- ⊕ Idea of using Delaware data to update USGS data sets
- ⊕ Discussions with USGS
 - ⊕ Issues of data integration
 - ⊕ Opportunities

The Idea

- ⊕ An on-line open data exchange lab
- ⊕ Explore data relations
- ⊕ Host discussions
- ⊕ Find solutions

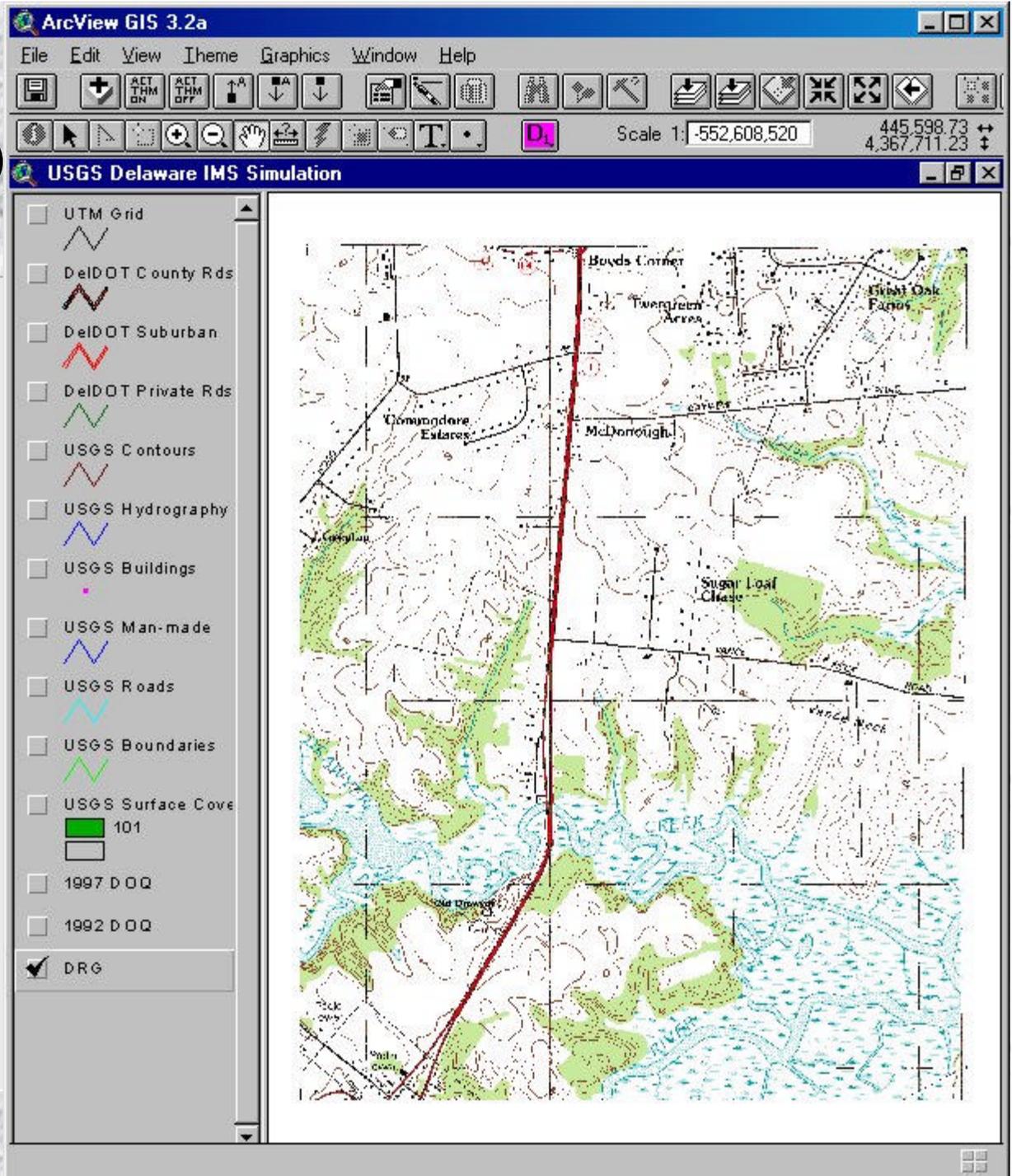
Physical and Technical

- ⊕ ArcIMS server
- ⊕ At Delaware Government Information Center (proposed)
- ⊕ An on-line version of Framework

The Lab

Combining & comparing

- ⊕ State data
- ⊕ USGS DLG's
- ⊕ State Orthos
- ⊕ USGS DRG's



The Lab

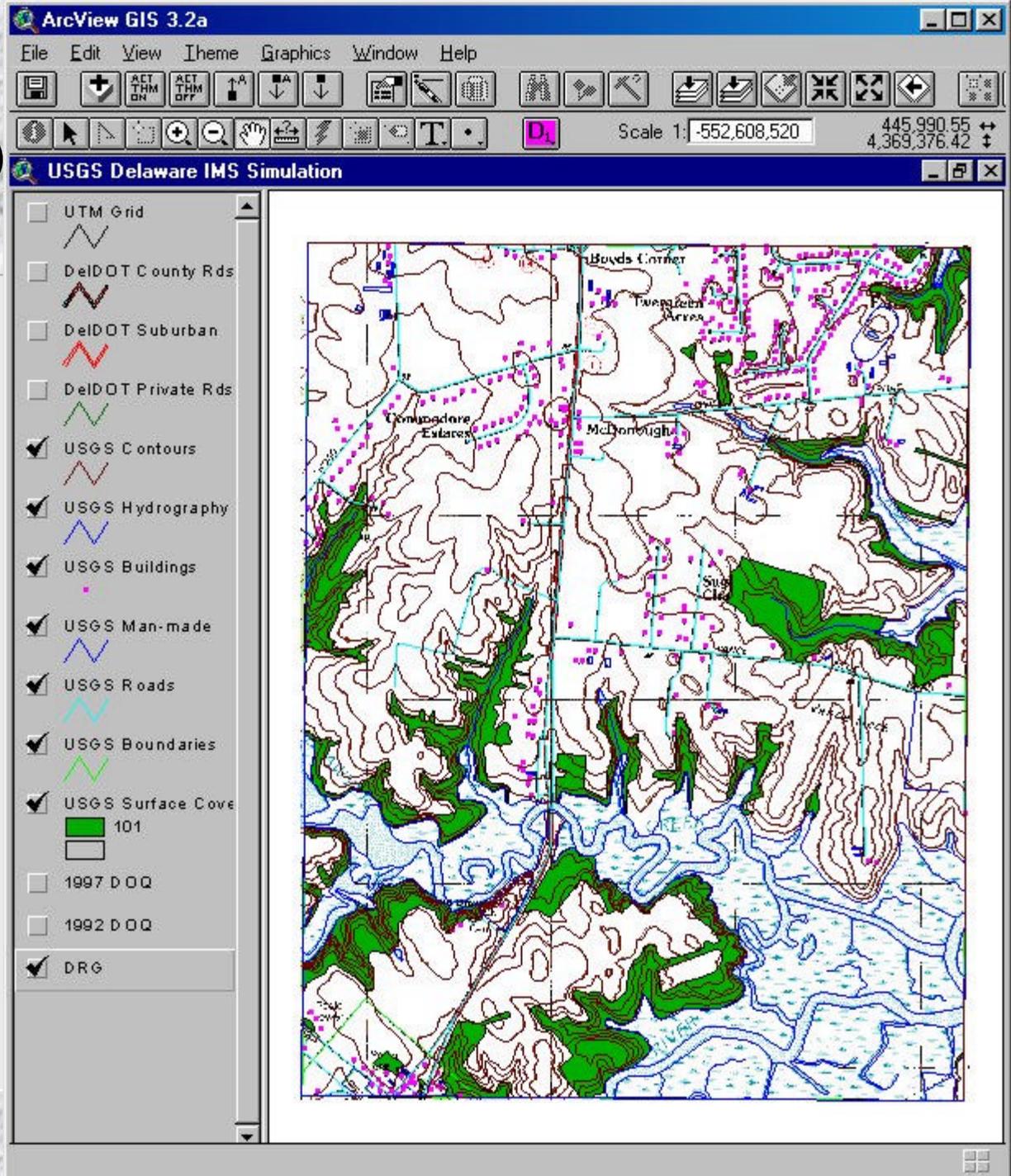
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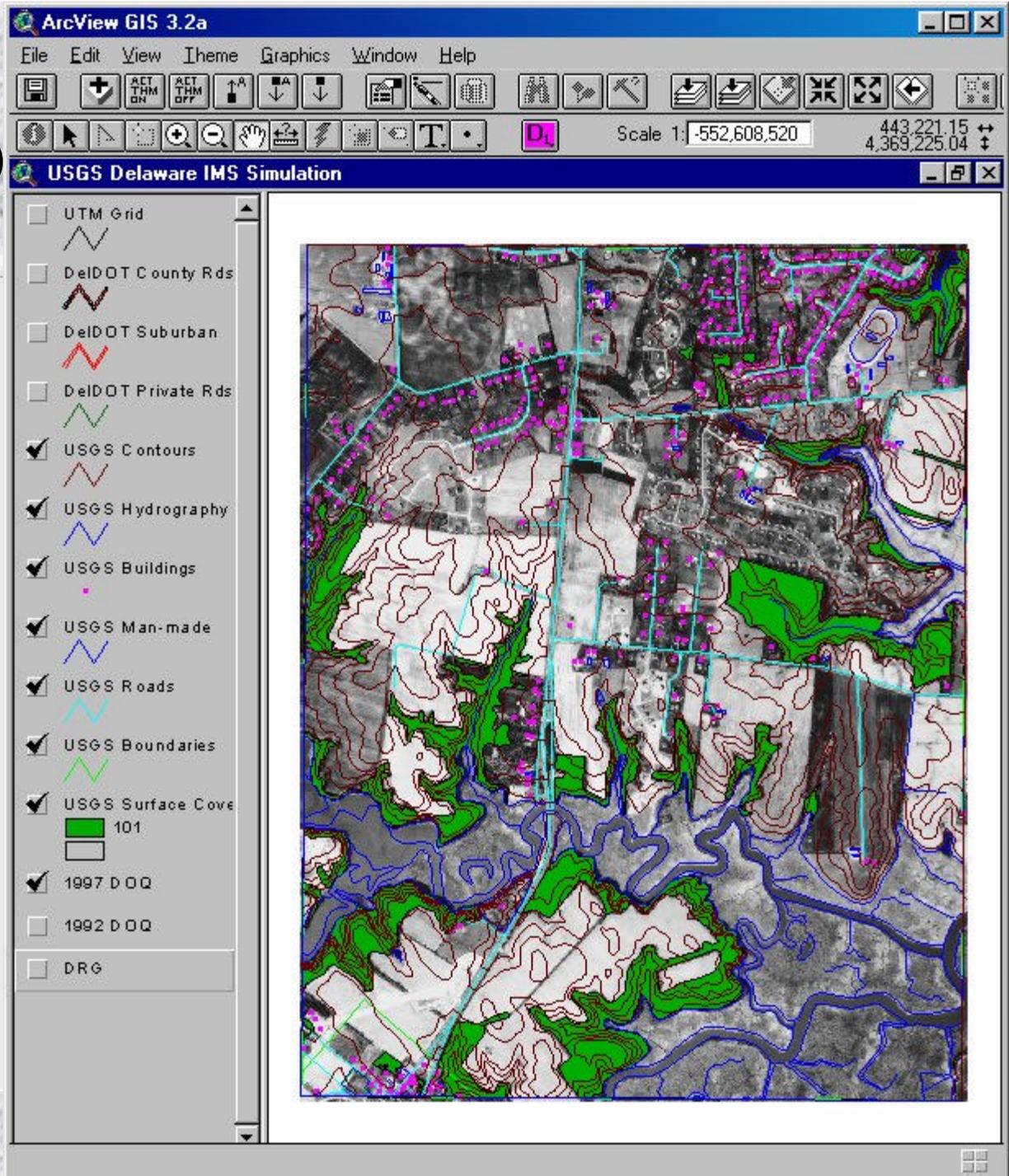
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The Lab

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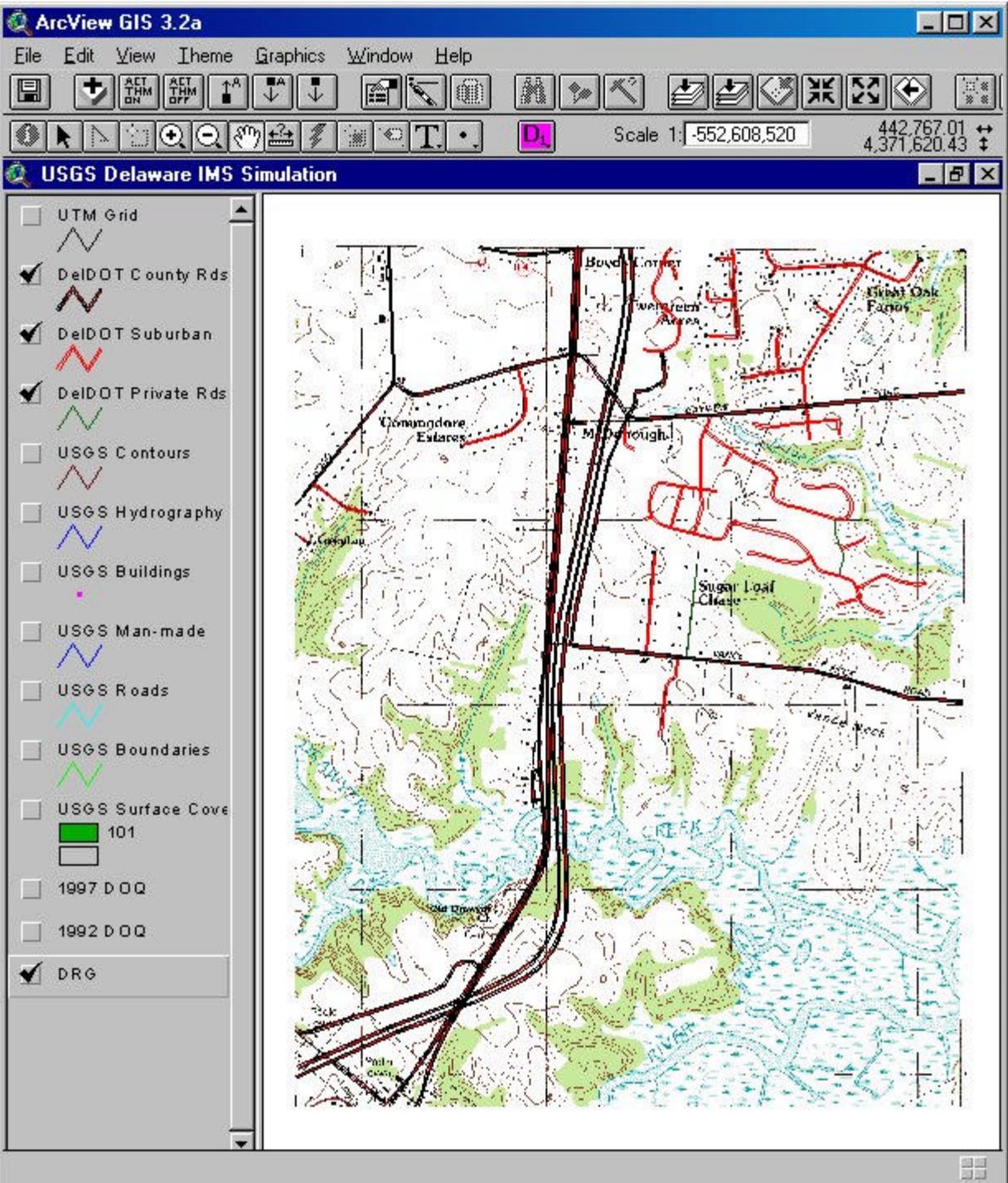
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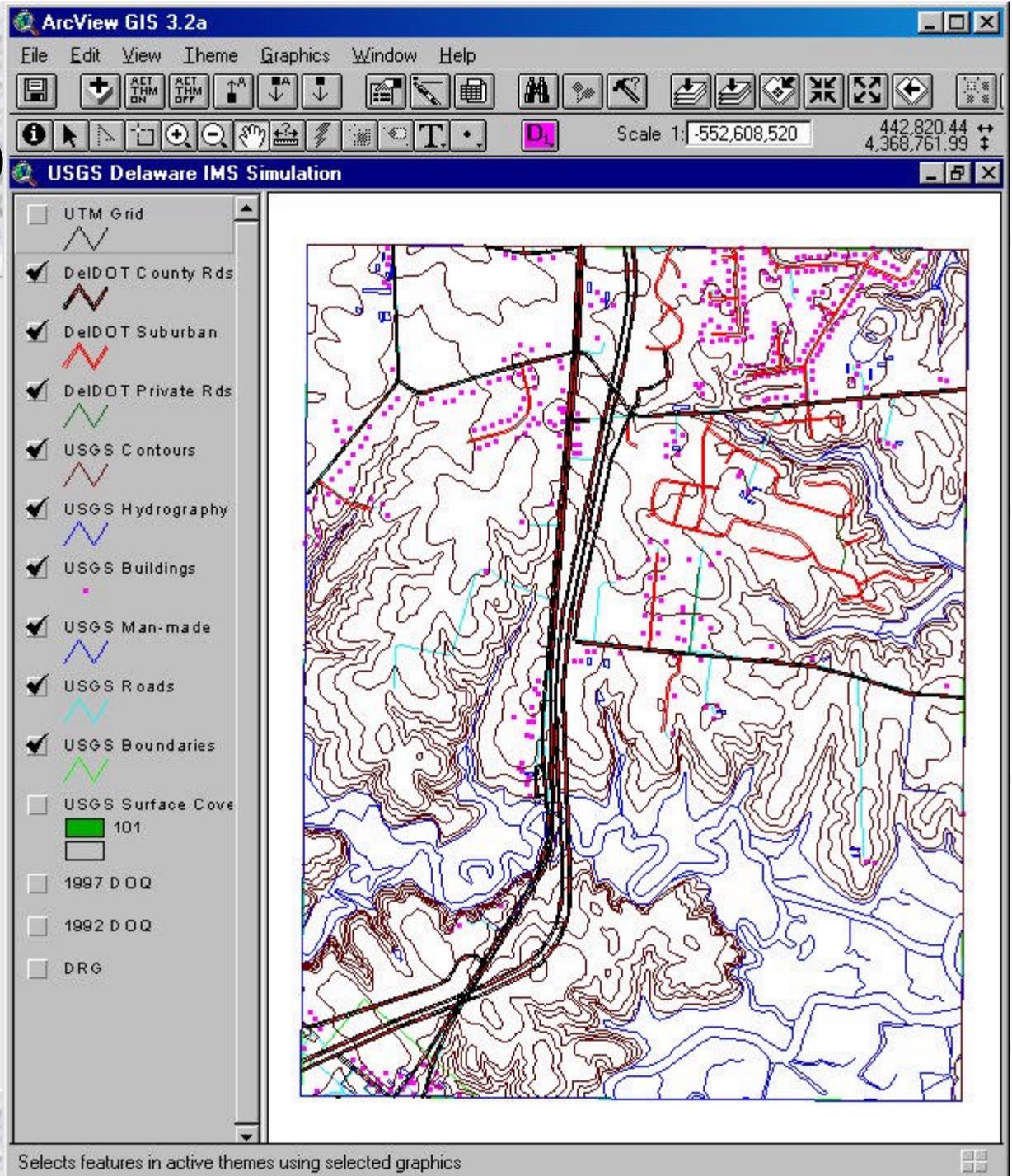
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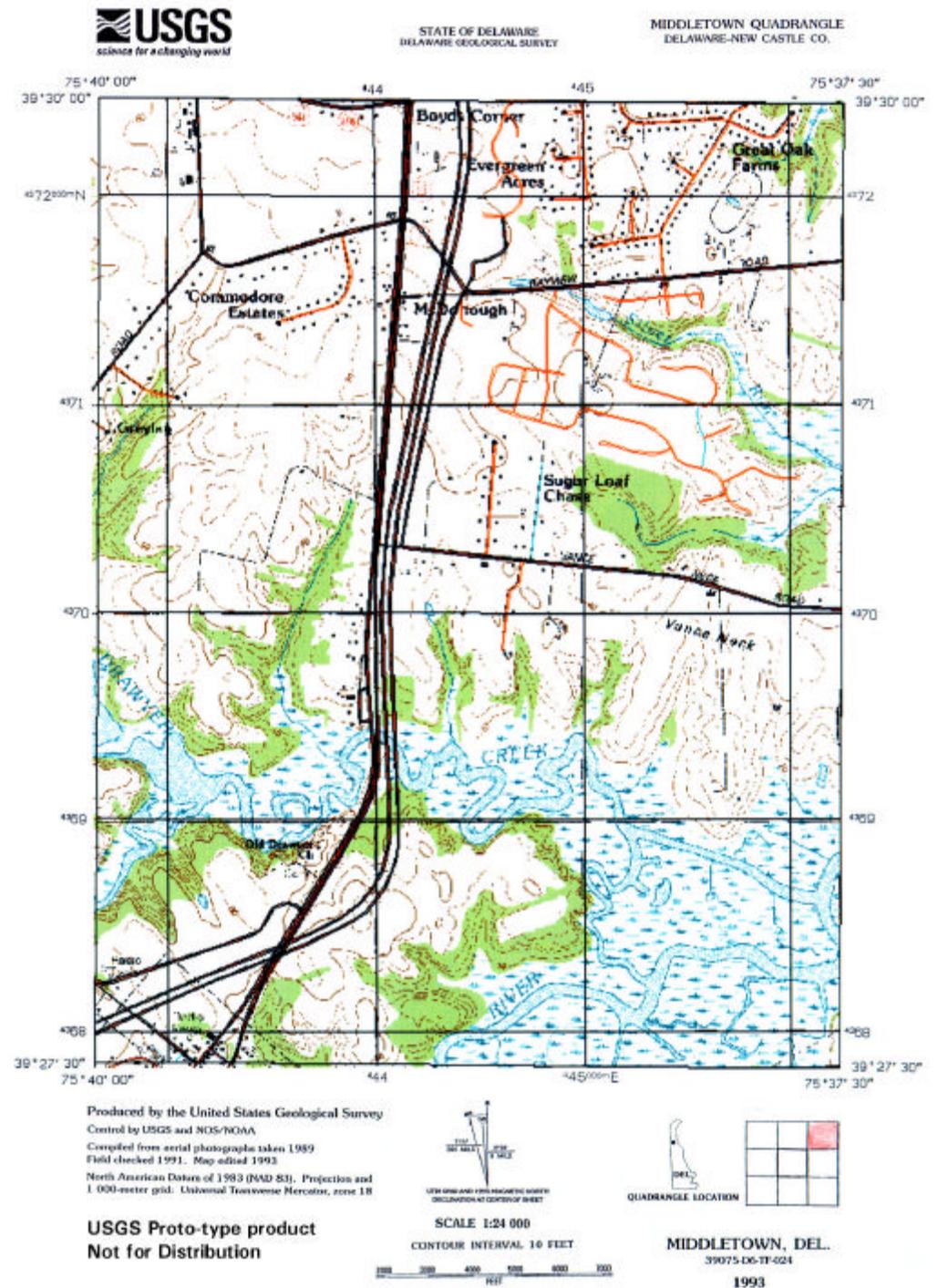
⊕ USGS DRG's



The Lab

Some Ideas

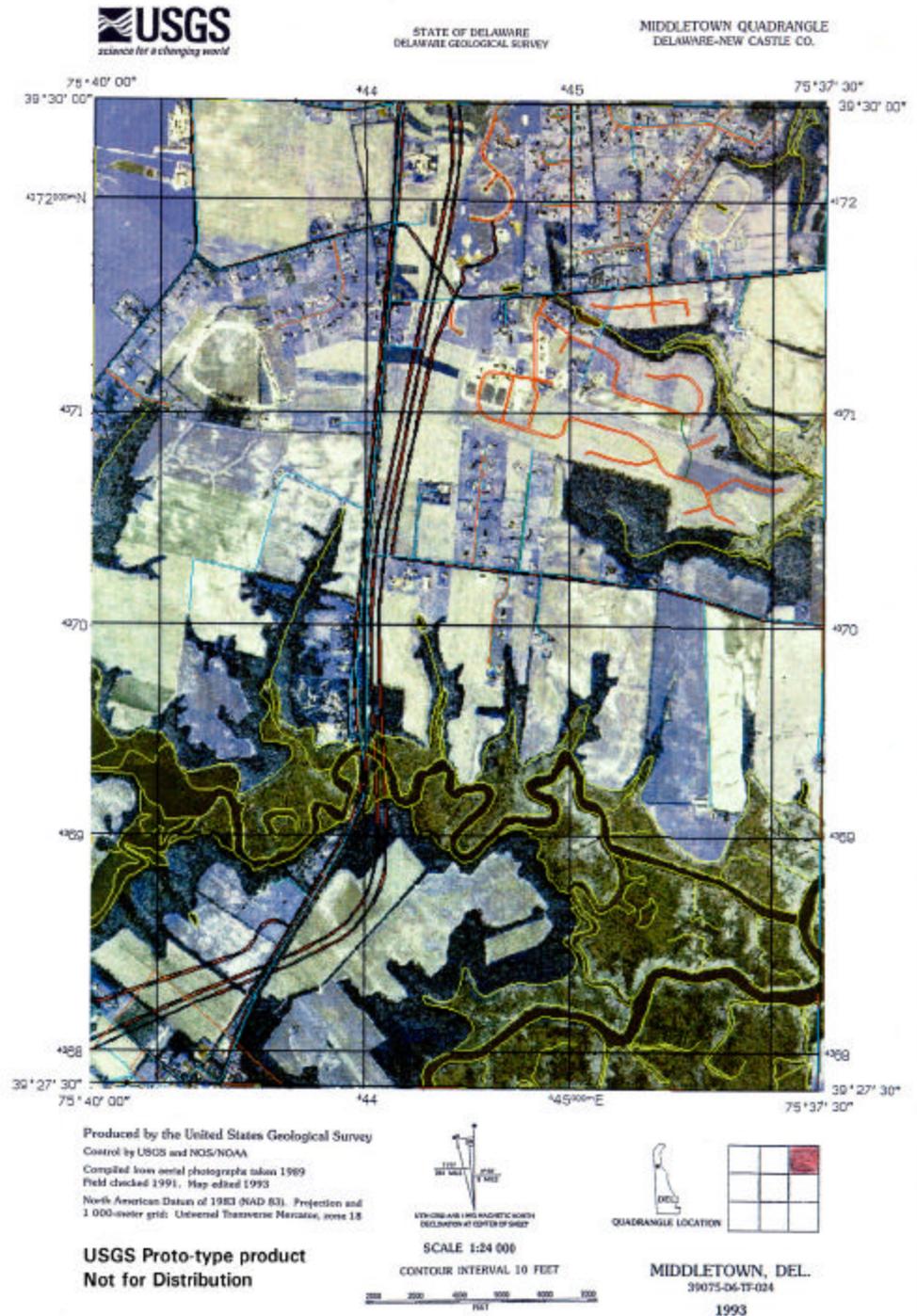
⊕ 2½ Minute Topos



The Lab

Some Ideas

- ⊕ 2½ Minute Topos
- ⊕ Topo Quads



The Lab

Some Ideas

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- ⊕ Topo Quads
- ⊕ White papers on data integration questions

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- ⊕ A listserv devoted to data integration

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- ⊕ White papers on data integration questions
- ⊕ A listserv devoted to data integration
- ⊕ Integration with
 - ⊕ Clearinghouse
 - ⊕ Env. Navigator
 - ⊕ Dept. of Agriculture on-line maps
 - ⊕ County on-line maps

The Lab

Some Ideas

- ⊕ 2½ Minute Topos
- ⊕ Topo Quads
- ⊕ White papers on data integration questions
- ⊕ A listserv devoted to data integration
- ⊕ Integration with
 - ⊕ Clearinghouse
 - ⊕ Env. Navigator and Dept. of Agriculture maps
 - ⊕ County on-line maps

Next Steps

- ⊕ DGDC go-ahead
- ⊕ Agreement with DGIC
- ⊕ Grants (USGS CAP? CFIP?)
- ⊕ Planning, programming and plugging

Copyright and Licensing Issues for Spatial Data Products



Bill Burgess

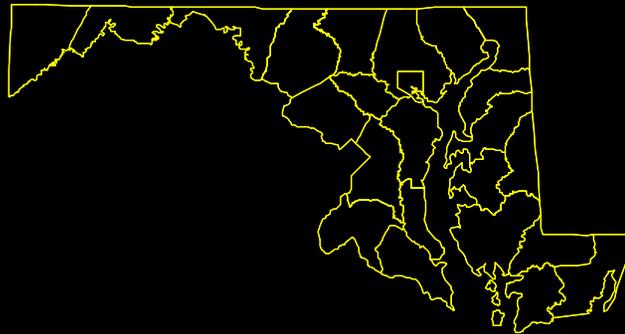
Maryland Department of Natural Resources

&

Maryland State Government Geographic Information
Coordinating Committee

Types of Data Used By DNR

- Public Domain
- Privately Owned Limited Use
- Licensed From Other State Agencies
- Licensed From the Private Sector

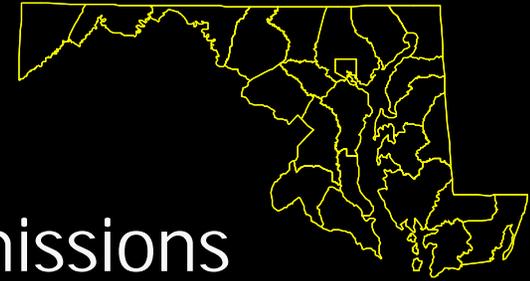


Three Magic Words

- Maryland Agencies
 - Copyright
 - License
 - Charge
- Producers/Users will work together when
 - Attitude
 - Need
 - Pragmatic



Maryland Agencies



- Create spatial data to support missions
 - Don't create maps for the sake of making maps
- Copyright and License data by direction of Attorney General
- License data using uniform agreement
- Distribute data at Cost of Reproduction (arguable)
 - Direct
 - Through seven commercial Resellers
- Provide Internet viewing at no cost through MERLIN Online

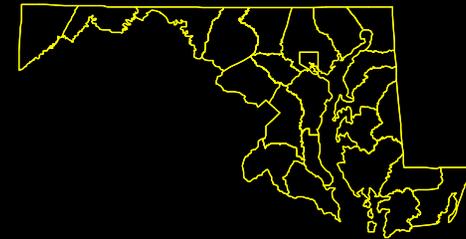
Why do we Copyright and License ?

- Ensure public gets data and metadata that is current and meets quality standards
- Preserve lineage of data
- Executives want programs to generate funds
- Lawyers want protection
- Managers sometimes want credit
- Protect commercial or intellectual property



Are Copyright and Licensing Inherently a Problem ?

- My opinion is NO
 - Not inherently bad
 - Don't prevent data sharing
- Why are they so maligned ?
 - Easy excuses for people that don't want to share
 - They take a little extra work to deal with



Is there a REAL Problem ?

- YES
- Lack of understanding by some attorneys (2-way)
 - Only “see” the agreement not the job to be done
- Attitude and Intent (2-way)
 - If you don’t want to share, you won’t
 - If you hate licensing and copyright you probably won’t use data that is available to you (paradigms)
- Bad Policies and Inflexible Management
 - Setting up road blocks (intentional or accidental)

Maryland is Not Restrictive

- Everyone has access for the same cost
- Orders turned around quickly
- Costs are generally low
- All data (including commercial data) can be viewed/used on Internet at no cost
- Common Projection, Datum and Unit
- Widely used formats
- Commercial Resellers (non-competitive program)



What Issues Need Discussion ?

- Indemnification Clauses
- Courts of Jurisdiction
- Derivative Products
- Reasonable Reproduction
- Use on Internet



Indemnification



- Maryland has three separate clauses

[For licenses with **local government agencies**, this paragraph applies]

[For licenses with **federal government agencies** , this paragraph applies]

[For licenses with **all individuals and private organizations** , this paragraph applies]

Courts of Jurisdiction

- Everyone wants the “home court” advantage

Laws of the State of Maryland. This License Agreement shall be governed by the laws of the State of Maryland, and the parties **subject to the jurisdiction of the courts of the State of Maryland.**



Derivative Products

- Difficult issue to determine other than case by case

Derived Products. **Graphic displays and printed tabular listings** derived from licensed Spatial Data may be used by Licensee in publications and presentations, provided that credit is given to Licensor as the custodian of Spatial Data as noted in the metadata citation and credit is also given to the original source of Spatial Data if other than the Licensor.

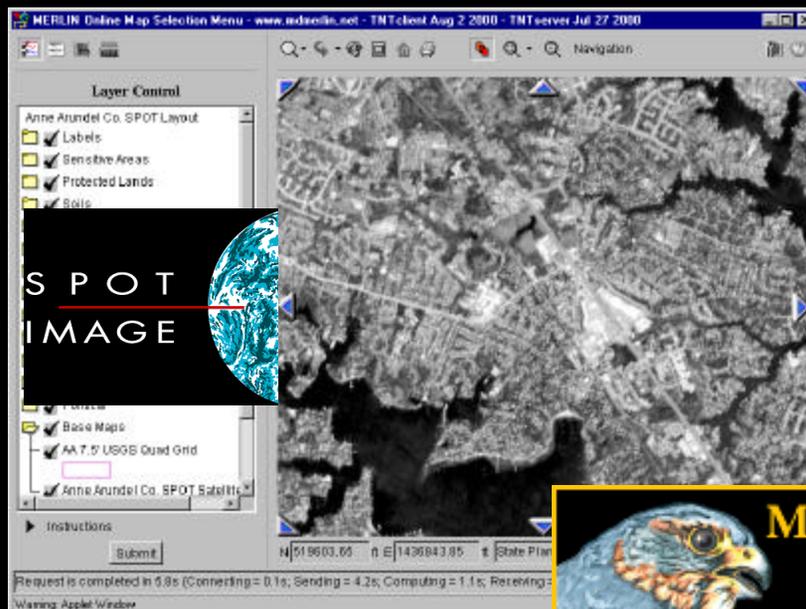
Reasonable Reproduction

- Use it freely within your organization
- Don't give it away
- OK to provide your contractors with copies

Copies. Licensee may copy licensed Spatial Data **only for use by Licensee or for backup purposes and not for use by any other person or entity**. Licensed Spatial Data shall not be used by any other person for any other purpose. The licensed Spatial Data may be used on more than one computer system

Use on Internet for Viewing

- Probably the most realistic consideration
 - Public Access
 - Provide Use for the “Average Citizen”



Future Impacts of Copyright and Licensing

- Can we achieve the vision of Digital Earth and OpenGIS ® with existing copyright and licensing policies?



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United States and in other countries".

We Need A Few Simple Additions to the FGDC/ISO Metadata Standard

- Copyright statement to be acknowledged and stored with data
 - Include instructions on Crediting the Source
- License agreement to be acknowledged and stored with data
- Transaction amount and instructions for automatic credit card payments

We All Have a Price !

Low to
No Cost

High
Cost



Private
Partnership

Licensed
Data

Public
Domain

1 User + Multiple User + Internet View + Age