

## D R A F T Meeting Minutes

### Delaware Spatial Data I-Team

9:30 a.m.

March 10, 2003

Conference Room A  
State Budget Office  
Thomas Collins Building  
Dover, DE

#### **I-Team Members Present:**

Mike Mahaffie (For Connie Holland), Office of State Planning Coordination  
Dick Sacher, UD/RDMS  
Sandy Schenck, DGS  
Michael Ward, Kent County  
Tim Westbrook, New Castle County  
Steven Foley, Sussex County  
NV Raman, DNREC  
Vince Rucinski, DeIDOT

#### **Others Present:**

Phil Cabaud, Governor's Office  
Jamie Turner, DEMA  
Michael Shuler, DEMA  
Brienne Press, Sussex County  
Michael Powell, DNREC  
David Carter, DNREC  
Tim Lucas, DNREC

#### **Welcome and Introductions**

Mike Mahaffie began the meeting by asking everyone to introduce themselves. He explained that Connie Holland had been called out to another meeting and had asked him to sit in for her. Mike also welcomed Jamie Turner, the director of the Delaware Emergency Management Agency (DEMA), and Phil Cabaud, Homeland Security Advisor to Governor Minner.

Mike noted that there was a summary of the National Research Council's Review of the USGS National Map Concept available. A full, pre-publication version is on-line at [www.nap.edu/catalog/10606.html](http://www.nap.edu/catalog/10606.html). Mike will receive a final, hard-copy version of the report once it emerges from production at the National Academies Press.

#### **Approval of November 21, 2002 minutes**

A motion was made by Mike Ward, seconded by NV Raman, and unanimously

approved by all members present to accept the minutes of the November 21, 2002 meeting.

### **Orthoimagery Project Update**

Mike Mahaffie gave an update on progress on the Orthoimagery project (attached). The project appears to be on-time and Orthoimagery is being delivered. There will be over 2,000 ortho tiles covering the whole state. Delivery will be on DVD media. Mike reported that as of the date of the meeting, all but a sliver of Sussex County has been delivered. He used the occasion to hand a box of DVD's to Steve Foley for delivery to Sussex County.

During discussion, the issue of QA/QC came up. Sandy Schenck agreed to check with USGS to see what protocol they use for QA/QC of orthophotography. Sandy will also see if USGS can assist Delaware in QA/QC for the project. He will report back to the I-Team.

### **Elevation Data Project Update**

Dave Carter and Tim Lucas of the Delaware Coastal Programs in DNREC gave an update on their review of the proposals that were received in response to the I-Team's Request for Proposals for a statewide high-resolution LIDAR project. There were ten proposals, ranging in cost from \$400,000 to \$1.4 million. Dave suggested that the final cost is likely to be around \$700,000.

Given the complexity of the issue, and the volume of snow that remains in the state, it was agreed by the working group that the project should be held for a fall flight and the time used to fully examine each of the proposals. Dave hopes to narrow the responses to a handful of finalists and have face to face meetings with those vendors later in the spring. Based on that work, he hopes to be able to make a recommendation to the I-Team in time for a fall flight.

Dave and Mike Powell, of the Division of Soil and Water Conservation, have some seed money (based on the need to update Delaware's flood maps) and the USDA and USGS may also be able to join in the project.

### **Discussion: Homeland Security/Public Safety Data**

Jamie Turner (head of DEMA) and Phil Cabaud (Governor Minner's homeland security advisor) joined the I-Team to discuss the need to add critical facility data to the Delaware Spatial Data Framework.

Jamie Turner expressed the need for emergency planners and first-responders to have access to accurate data. Phil Cabaud agreed, but noted that there is also a responsibility to maintain the security of some data sets that might be used as "targeting information." It was agreed that the I-Team can act in a "technical advisory" role for the State's public safety and homeland security planners.

Sandy Schenck made a motion to formally ask Governor Minner to add the Department of public safety and a representative from the USGS to the I-Team. Mike Ward seconded the motion and it passed unanimously.

Sandy noted that a USGS representative would be helpful in answering questions such as those that arose during discussion of QA/QCC for the OrthoImagery project. It was also noted that the USGS has become a major partner in Delaware's framework efforts and DataMIL implementation.

Mike Mahaffie agreed to draft a letter from Connie Holland to Governor Minner (attached) making that request.

There being no further business, the meeting was adjourned.

---

# Project Update: 2002 OrthoImagery

---

Delaware Spatial Data  
Implementation Team  
3/10/03

---

# Over-All? On Time So Far

- Imagery acquired in March and April of 2002
  - Control report – Done
  - Scanning – Done
  - Aerotriangulation – Done
  - Compilation – Done
  - Ortho Delivery – On Schedule
  - LULC Interpretation – On Schedule
-

---

# The Imagery

- Scale: 1:2,400
  - Resolution: 1-foot pixels
  - False-Color Infrared
-

# 1997 Ortho (Ocean View)



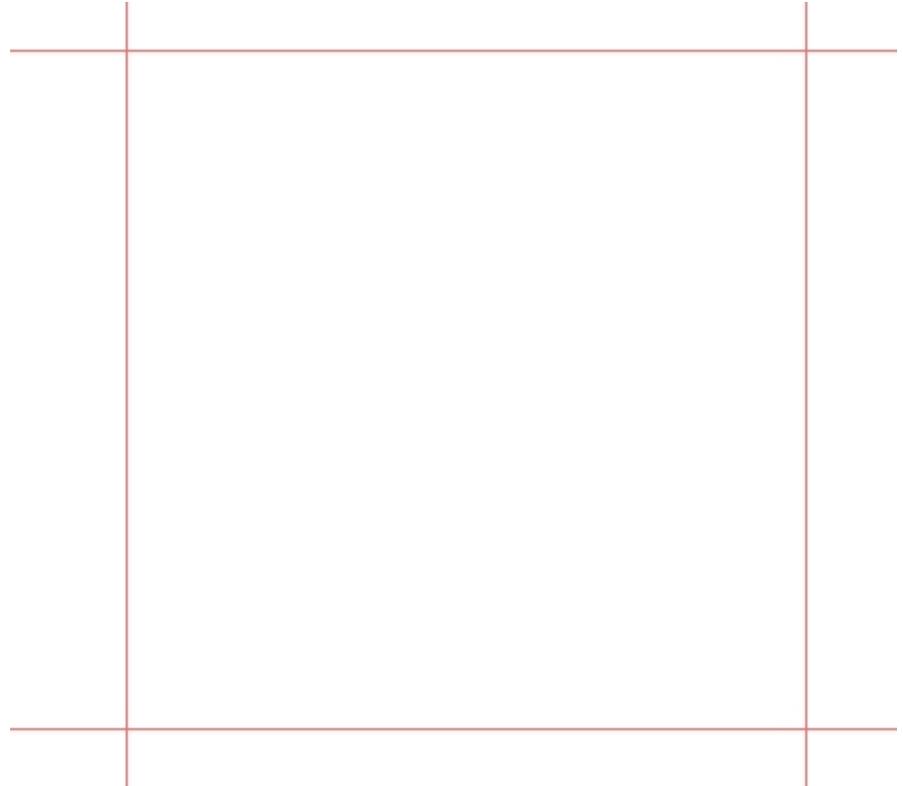
# 2002 Ortho (Ocean View)



---

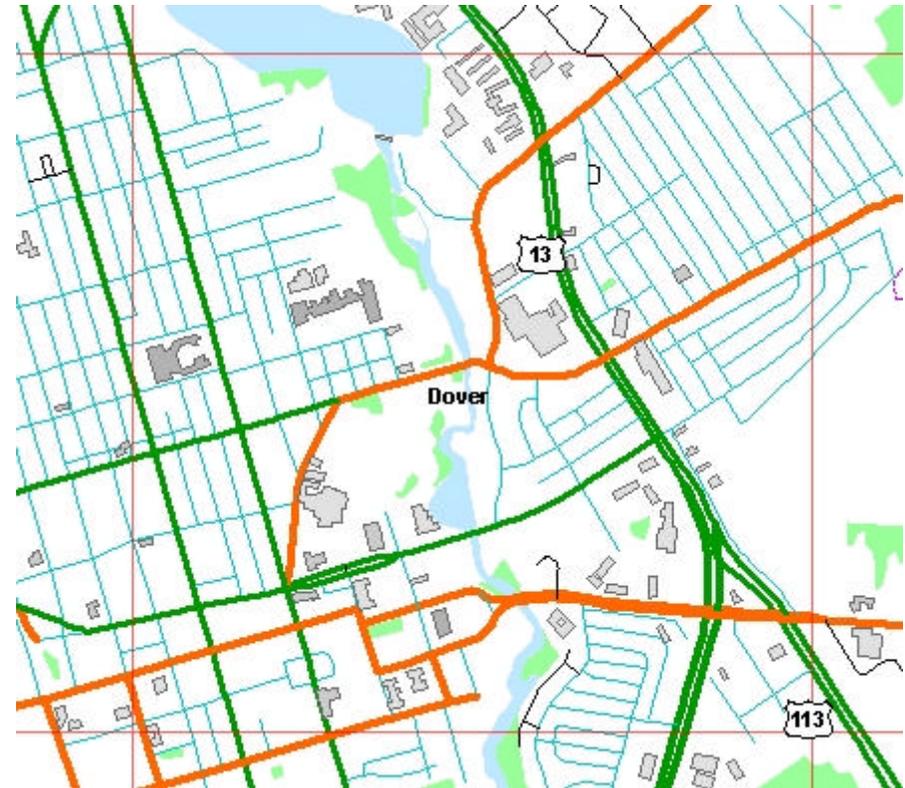
# The Challenge

- Data delivered in ortho tiles



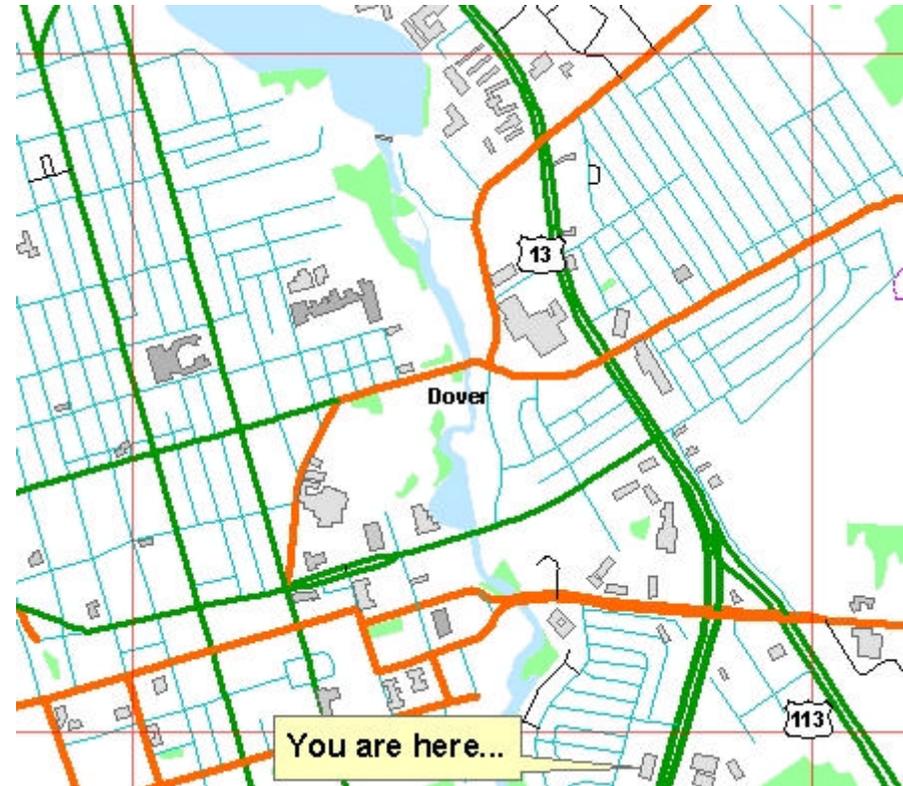
# The Challenge

- Data delivered in ortho tiles
- Each about a mile square



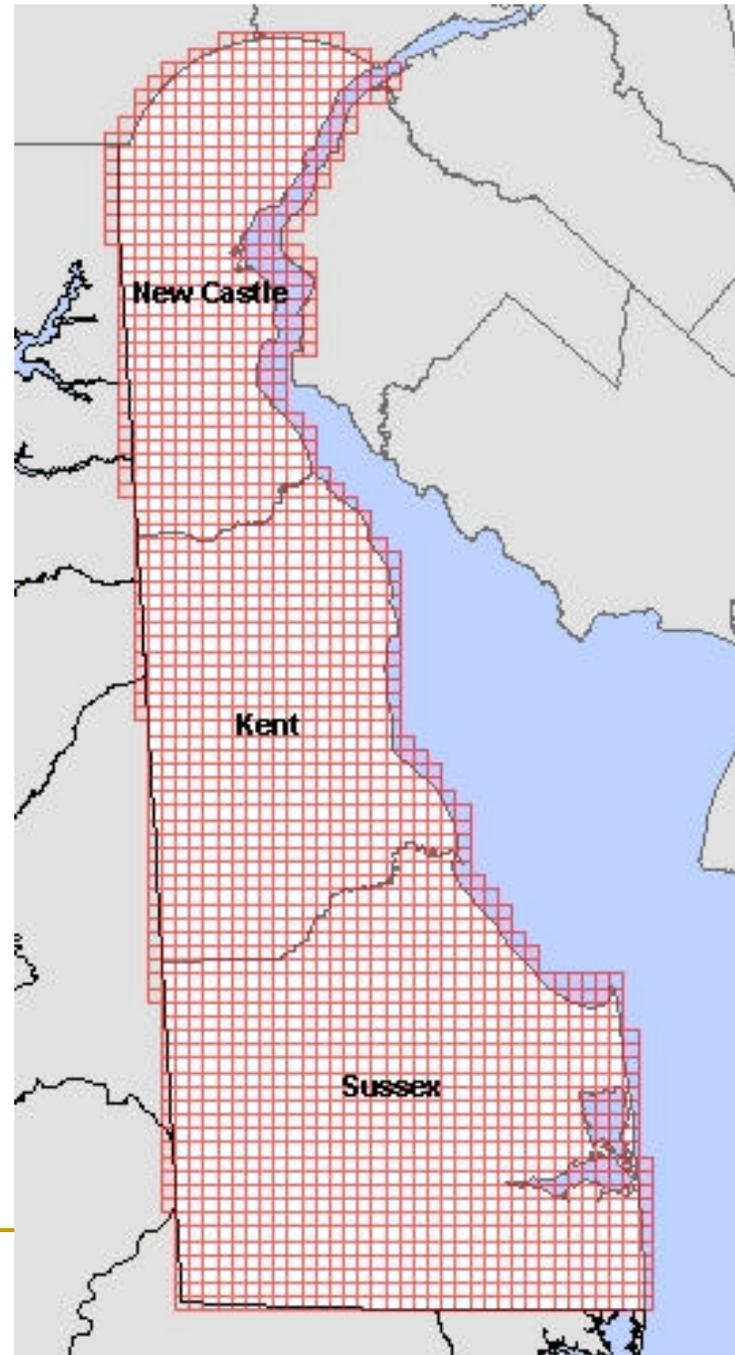
# The Challenge

- Data delivered in ortho tiles
- Each about a mile square
- Each 135,523 KB



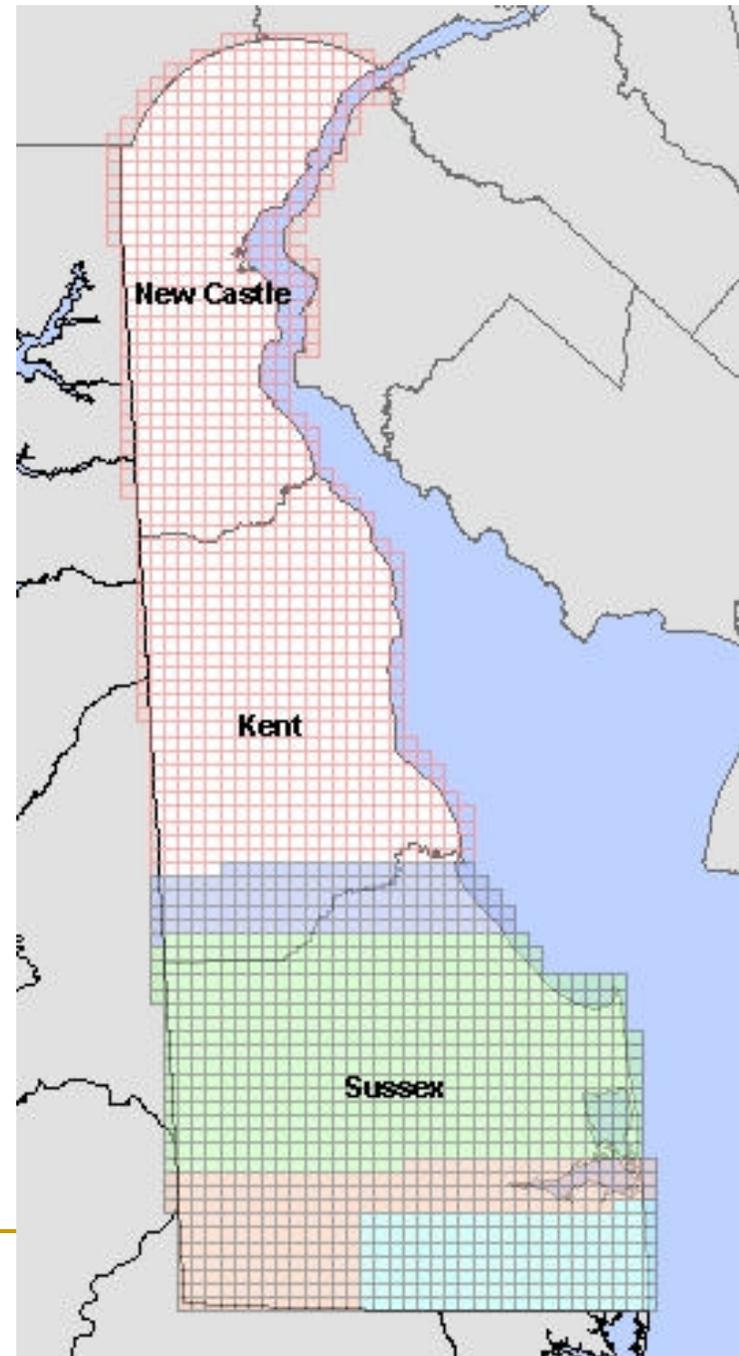
# The Challenge

- Data delivered in ortho tiles
- Each about a mile square
- Each 135,523 KB
- 2,010 of them
- Approximately 1/3 of a terabyte?



# The Challenge

- Data delivered in ortho tiles
- Each about a mile square
- Each 135,523 KB
- 2,010 of them
- Approximately 1/3 of a terabyte?
- So far? Sussex



---

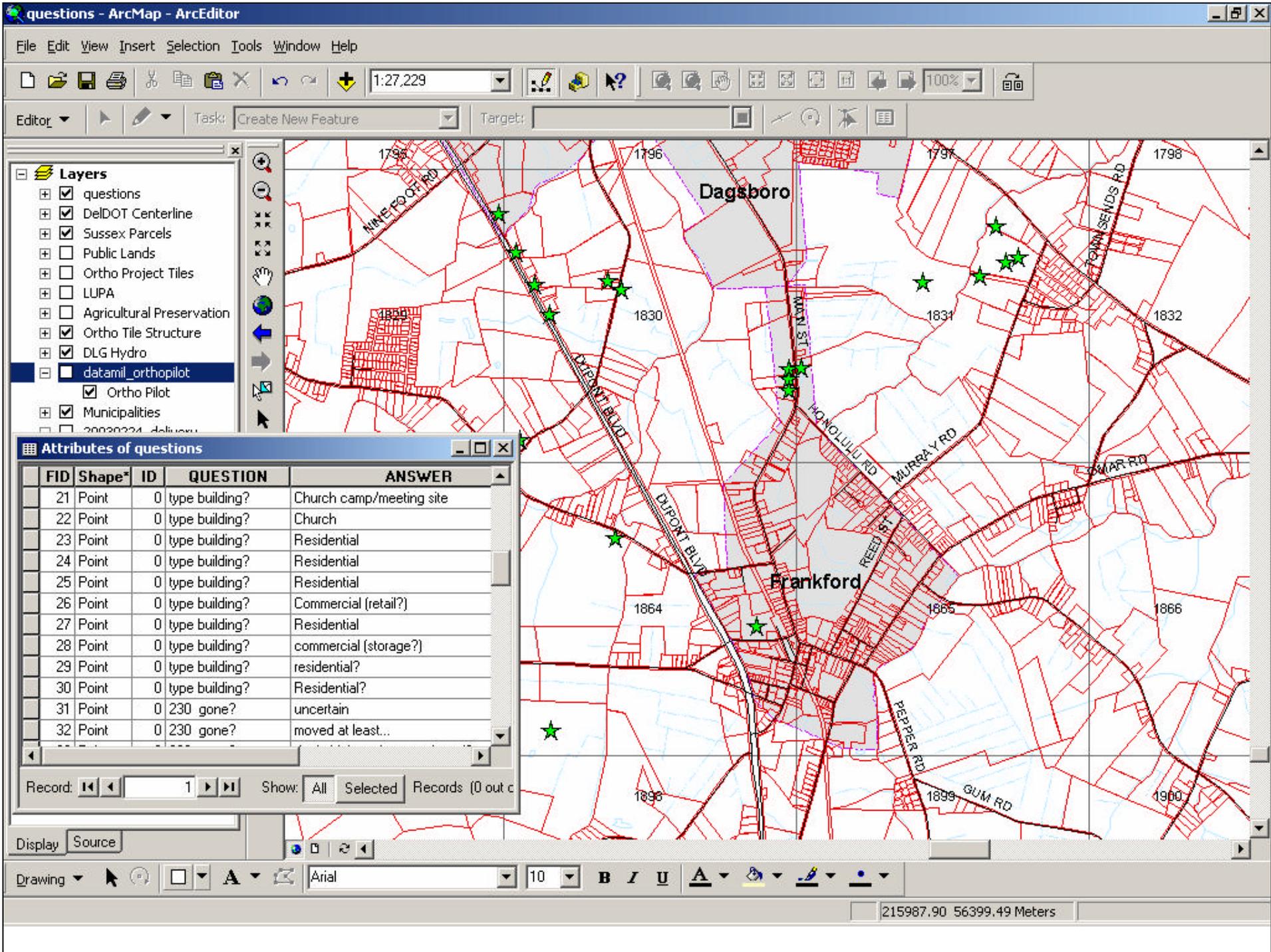
# Distribution?

- We're working on it
  - DVD's delivered to DeIDOT, DNREC, DataMIL
  - ArcIMS?
    - DataMIL
    - DNREC
  - Ortho Distribution Working Group (3/21/03)
  - MrSID Versions
-

---

# LULC Work

- Now under way
  - Enhanced by local data and Q-and-A between Earth Data and Delaware
-



---

# LULC Work

- Now under way
  - Enhanced by local data and Q-and-A between Earth Data and Delaware
  - Due mid-summer
-

---

# Other Projects?

- Shoreline Elevations for Coastal Programs
  - Tidal Wetlands
  - Impervious Surfaces
-



STATE OF DELAWARE  
EXECUTIVE DEPARTMENT  
OFFICE OF  
STATE PLANNING COORDINATION

Tuesday, March 11, 2003

The Honorable Ruth Ann Minner  
Governor, State of Delaware  
Legislative Hall, Dover, Delaware, 19901

RE: Delaware Spatial I-Team and Homeland Security

Dear Governor Minner,

This letter is a request, on behalf of the Delaware Spatial Data Implementation Team (I-Team) that you revise Executive Order #18 to add representatives from the Department of Public Safety and the U.S Geological Survey to the I-Team.

Phil Cabaud and Jamie Turner were kind enough to attend yesterday's I-Team meeting, which was chaired by Mike Mahaffie in my absence. The agenda included a discussion of the extent to which the basic spatial data "base map" that the I-Team oversees can and should comprise part of the important data infrastructure needed by Public Safety, and especially the Delaware Emergency Management Agency, as it prepares for and responds to emergency situations.

The I-Team members felt that it would be appropriate to add a "critical facilities" data set (similar to that envisioned by the Federal Emergency Management Agency in its Homeland Security planning) to the Delaware Framework data collection. The I-Team does not propose taking over creation (or control) of that data set from DEMA and its partners; rather, it was agreed by all at yesterday's meeting that the I-Team should serve as a technical advisor to DEMA as it organizes the spatial data needed for public safety and homeland security planning. In addition, many of the technical players who will work with DEMA in this regard, at both the state and local levels, are already working within the I-Team structure. At the very least, it is important to make certain that the critical facilities data matches to the Framework base map used in other state and local planning efforts.

As a step toward cementing this relationship, the I-Team voted at yesterday's meeting to request that you officially add the Department of Public Safety to the I-Team. The motion that passed also requested adding representation from the USGS to the I-Team in recognition of the key role that agency has played and will play in our spatial data efforts. Significantly, a USGS staff person will shortly be assigned to Delaware in a new Mapping Partnership Office (MPO) to be established at the Delaware Geological Survey. This staff person will be responsible for maintaining those portions of our Framework for which the USGS has accepted Stewardship responsibility.

Please let me know if you have any questions about this request.

Sincerely,

A handwritten signature in cursive script that reads "Constance C. Holland".

Constance C. Holland  
Director

CC: I-Team Members  
Phil Cabaud  
Sec. Ford  
Jamie Turner  
Lee Ann Walling