

DGDC Meeting Minutes

February 13, 2013

Attendance List:

Bruce Allen.....	DeIDOT
Peggy Bacon.....	DeIDOT
Roger Barlow	USGS
Aaron Bell	DNREC
Mark Biddle	DNREC
Bryan Bloch	DNREC
Kim Cloud.....	DTI
Mark Deao.....	Sussex County
Darin Dell	DeIDOT
Avery Dunn	DNREC
Jay Gerner	DeIDOT
Jeremy Gibb.....	City of Dover
Marlena Gibson.....	DSHA
McKelvin Gilbert	DeIDOT
Barbara Gladders	DPH
Michael Hanna	Tidewater Utilities
Kevin Holmes.....	US Census
Sandy Janowski	New Castle County
Matthew Laick	DSHS
Erica McMaster	Washington College
Ben Mearns.....	UD
Miriam Pomilio.....	OSPC
Mollie Raley.....	DeIDOT
Eric Rice.....	Washington College
Rick Sherwood	DEMA
Rick Steffers	City of Wilmington
Deborah Sullivan	DNREC
Josh Thomas.....	DeIDOT
Mike Townshend	DNREC
Art Walker	USDA/NRCS
Lillian Wang.....	UD – DGS
Greg Williams	DNREC
Carl Yetter.....	DNREC

Welcome & Introductions

Miriam Pomilio started the meeting at 9:00 am. She welcomed everyone to the meeting and introductions were made.

Approval of November 2012 Meeting Minutes

Mike Townshend made a motion to approve [November 8, 2012 meeting minutes](#) (PDF) as presented. Carl Yetter seconded the motion and it passed, unanimously.

Regional GIS Conferences

ESRI Mid-Atlantic User Conference – Miriam represented Delaware on a state panel regarding Hurricane Sandy response at the conference. She mentioned it was interesting to hear how West Virginia used HAZUS data for their post hurricane response. Also interesting to hear how the other states responded and used GIS to prepare and data sharing throughout the event. City of Wilmington and several DeIDOT employees also attended. Rick Steffers from City of Wilmington reported he felt it was well attended and was similar to the International User Conference on a smaller scale.

NSGIC Mid-Year Conference – Miriam indicated the NSGIC Mid-Year conference is coming up the end of February. She will be attending as the State representative to NSGIC and will report back to the DGDC about initiatives.

ESRI Federal User Conference – Roger reported the ESRI Federal conference will be in Washington D.C., at the same time as the NSGIC meeting. He will be attending this conference.

TUGIS – Maryland’s TUGIS Conference is scheduled for March 19. They have a new format this year, just a one day conference, related to mostly Maryland initiatives, but relevant to the region. Many folks from Delaware are planning to attend. Early registration of \$60 ends Friday February 15, 2013. After that, it goes up to \$90, but still affordable.

Coastal Geo-Tools – Carl mentioned this important coastal conference concentrates on geographic tools and is held in Myrtle Beach, SC, March 25-28, 2013.

GIS Data Consolidation

Miriam Pomilio noted there is still no GIS Governance in place and that it may be awhile before that is further explored. But we will continue to pursue a GIS Governance structure for Delaware.

Miriam further provided an update of the ongoing contract with ESRI to develop an Enterprise GIS system for the State of Delaware. In January, an ESRI system designer met with DNREC, DeIDOT, DTI, DSHS and OSPC to evaluate the system needs and existing infrastructure and scope of the project. The desire of the agencies is to have all common, shared data in a centralized geodatabase to be housed at DTI for everyone to access (data, services, etc). ESRI has provided a basic system diagram for DTI to pre-plan the system. The full report is due in a few weeks.

Miriam explained this Proof-Of-Concept project will provide an initial offering of up to 25 datasets, which were identified at the meeting in January. The reasoning behind the data selected for the Proof-Of-Concept project was to include base map data as well as program data that will provide a nice showcase of initiatives underway in the state that will benefit from an Enterprise GIS system. The datasets selected include:

County Parcels, 2012 Imagery, County Point Address files, Road Centerlines, State and County boundaries, Municipalities, Contours, Hydrography (NHD), Watershed boundaries, Railroads, Land Use Land Cover, Public and Private Schools, Airports, Open Space and Parks, National Register of Historic Places, Evacuation Routes, Bike Facilities, Shared Use pathways, Communities, Superfund Sites, Sea Level Rise inundation data, Election Districts.

The next step in the contract is to do the database design. ESRI is ready to send their database folks out to meet with the agencies to make sure they capture the needs of the state. This will take place in March.

Federal Update

There were several Federal agencies present at the meeting and below is a summary of their updates:

USDA/NRCS – Art Walker indicated he would be attending the ESRI Federal User Conference at the end of February.

US Census – Kevin Holmes reported the Census has completed the field realignment and has gone from 12 to 6 regional offices. The Philadelphia Office now services: PA, DE, MD, DC, OH, VA, WV, TN, and KY. Kevin also mentioned the re-annexation survey for legal boundaries and the updates are due by May 1, 2013. The GSS pilot project has been approved for 56 counties. Sussex County was selected in Delaware and he has begun coordination with Megan Nehrbus on that project. This project will support the American Community Survey and help to decide if they need to do targeted addressing in 2015.

USGS – Roger Barlow reported that he will be at the ESRI Federal User Conference at the end of February. He also said that USGS is involved in the Sandy LiDAR planning. The targeted areas are NJ, NY and CT. Roger is trying to make a case for Delaware to be included. It would be coastal areas and tide coordinated. He will keep us posted as it progresses. Roger reported that he continues to assist the New Jersey shoreline mapping effort. The mapping scale for that project is 1:2400. Roger reported that Maryland is flying the area east of the Chesapeake this spring, and it will be leaf-off imagery. This data

will be available later this year. Roger also reported there was NHD training and Debbie Sullivan and John Inkster attended in December.

Action Items

Land Use Land Cover Data for 2012

Miriam reported that she has not received enough funding commitment to move forward with an RFP at this time. Delaware Forestry and DNREC Watershed have committed funding and DNREC has agreed to use the cost savings from their contribution to the NCC aerial imagery for the LULC data development. Miriam has put in a grant request to WILMAPCO under their Unified Planning Working Program (UPWP) grant. It will be a few months before we hear if the grant was awarded. Josh Thomas from DeDOT indicated that the Planning Section sent a formal request up the chain in DeDOT asking to provide funding, but hasn't heard back at this point.

ACTION ITEM: Agencies need to ask if there is funding available that they can put towards creation of the Land Use Land Cover (LULC) dataset from the 2012 Imagery.

Dedicated Future Funding Account for Ortho-Imagery, LULC, LIDAR

Josh Thomas reported a survey was sent out by Sandy Schenck and a workshop held in mid-December to look at agency use and specifications needed for the three datasets: Ortho-Imagery, LiDAR, and LULC. The specifications are set for each of the datasets with various scenarios for buy-up options that can be priced. Josh reported that it's important to show the value and use of these datasets. Carl Yetter suggested we also capture the cost benefits of having new data on a regular basis (i.e. saving time for field verification of data, etc). It is also beneficial to show the diminishing value of older data to justify the schedule proposed. Bruce Allen mentioned that ESRI has a publication about cost benefit analysis that should be reviewed for relevance. There was a long discussion regarding next steps. Josh reported the group is working up a White Paper and an Executive Summary to present to the DGDC Executive Council for approval. The end result of the discussion was that we are butting up close to the fiscal cycle for FY 2015 and have most likely missed fiscal cycle FY 2014. The Executive Council will need to know pricing as well as usage by their agencies before making a decision. Therefore, it was decided to move forward now with an RFI to get pricing estimates for the various datasets in a bundled fashion. Matt Laick volunteered to get the RFI out through his agency (DSHS).

Motion - Kim Cloud: Get the RFI out through available means to get estimates for long term budgeting (six years) for all three datasets.

Seconded: Mike Townshend

Vote: Unanimous

Mike Townshend also emphasized the importance of starting conversations within your agency now with the fiscal sections to begin looking at how this might work for your agency. In essence talk to the cabinet secretaries and the fiscal folks to grease the wheels now.

There was a discussion regarding the licensing issues for imagery versus outright purchase of the data. Several state agency representatives indicated that Delaware Code would prevent the state from entering into a licensing agreement where the use of the data is restricted. Miriam will research the code regarding publicly available data and report back to the group.

ACTION ITEMS:

- **Matt Laick will work with Josh Thomas and OSPC to put together and advertise, via State GSS, an RFI for a long term data collection.**
- **Josh Thomas will develop a Marketing Plan/White Paper and executive summary, twith assistance from the working members of this group (DTI, DeIDOT, DNREC, OSPC, and DGS)**
- **The Marketing Plan/White Paper will be distributed to the DGDC members for review prior to the next quarterly meeting.**
- **As soon as the information is available, it will be presented to the DGDC Executive Council for approval.**
- **Miriam Pomilio will research Delaware Code regarding data being publicly available and report back to the group.**

Subcommittee Reports

GIS Day – Nicole Minni provided the following update: The first meeting of the GIS Day Committee is scheduled for March. At this meeting we are going to discuss the outcome of GIS Day 2012 and brainstorm new ideas for this year. Miriam added if anyone has ideas to provide them to Nicole.

GIS Conference – Sandy Janowski, Conference Chair, announced the committee has decided to rename the conference to “Delmarva GIS Conference”. This change is to make the conference more inclusive to the areas around our small state. The conference website and Facebook pages will be updated to reflect this name change. The Delmarva GIS Conference is scheduled for May 8, 2014.

Transportation – Bernie Gilbert from DeIDOT indicated that the transportation road network continues to move forward. DeIDOT OIT has provided some additional resources to Bernie to assist with updating the road network. Issues they are working through include how to handle paper streets, subdivisions, and Sussex County roads that aren’t in the DeIDOT road inventory already. Bernie indicated there would be a committee meeting in the near future and they will be doing a pilot test to demonstrate how this application will work. Bernie hopes to have a presentation ready for the next DGDC meeting to show this transportation network.

ACTION ITEM: Bernie will call a meeting of the Transportation Workgroup in upcoming weeks and report back at the next DGDC meeting – with perhaps a demonstration/presentation.

GIS In Education – Nicole Minni provided the following update: She is proud to announce that Delaware has signed with ESRI a License Agreement for all K-12 Classrooms, Clubs, Home schools, and School District Administrators to have access to ArcGIS for educational purposes. Part of this contract is to establish an Implementation Team and develop an Implementation Plan. The Implementation Team has been formed and a few meetings have taken place with members of DOE, DCET, Science and Social Studies Curriculum writers, Delaware Geographic Alliance as well as a few members of the Delaware GeoEducation Committee. The first task is to develop a website. DOE has agreed to develop and house the website where the educators will be able to download the software and learn more about ArcGIS in Delaware. Don Berry will be presenting on this at the next meeting which is scheduled in March. As this begins to unfold the education community will need our help in being GIS mentors at some capacity.

ACTION ITEM: If you would like to be a GIS Mentor for Delaware's educators please email Nicole at nminni@udel.edu

Technical Infrastructure – Kim Cloud, Chair, reported the Technical Infrastructure committee met and discussed the on-going efforts with ESRI to establish an Enterprise GIS system for the state, which was basically covered already in the GIS Data Consolidation report by Miriam. Kim further reported DTI is establishing a statewide license server for state agencies. This license server should be up and running shortly. There will be a new pricing structure in the next year based on the use of the statewide licensing server.

ACTION ITEM: Kim will notify agencies when the statewide license server is up and running. She will also keep agencies updated on the new pricing structure as available.

Addressing – Miriam reported that the Addressing initiative held a workshop in early January. It was well attended by state agencies, county agencies, municipal representatives and the University of Delaware. It was agreed through that workshop that Delaware should pursue a process to merge the existing authoritative source data from the counties into a single statewide addressing file. The process for that is still being worked out. Next steps are to work out the process and what standards are needed for this addressing file. Miriam noted this initiative should fold in nicely with the establishment of the Enterprise GIS System currently being developed.

ACTION ITEMS: Addressing Working Group needs to develop the process and standards to be used for the development of the statewide addressing file.

Roundtable Reports on GIS Projects

DNREC – Watershed Assessment – Mark Biddle announced his group is using wetland layers for policy management initiatives. Looking at priority wetlands based on environmental attributes for areas not currently owned and managed by public entities. This process will be available to agencies for planning purposes by mid-year.

Bryan Bloch indicated the Chesapeake Bay Program is requesting state and local land use data to ensure accurate representation of nutrient/sediment sources in Delaware which can be used to replace or supplement regional land use data for estimating past, current, and future nutrient and sediment loads to the Chesapeake Bay Watershed and for allocating BMP's to land uses. The CBP is requesting most recent/updated data in a spatial (GIS) format.

DNREC – Coastal Programs – Carl Yetter reported they are going through a process to identify areas in the Delaware Bay and the state and federal waters of the Atlantic Ocean using focus groups to look at mapping recreational issues. This initiative builds on the Ocean Planning GIS process MARCO. Many surrounding states are holding workshops as well.

USGS – Roger Barlow asked if anyone has feedback on the 2012 Ortho-imagery to please send it to him.

DNREC- Watershed Stewardship – Greg Williams announced FEMA has completed a coastal study for Kent and Sussex counties and FEMA has websites set up to view the preliminary vs. effective floodplain information. You can find these at:

<http://maps.riskmap3.com/DE/Kent/>

<http://maps.riskmap3.com/DE/Sussex/>

You can get more data about the coastal study at www.r3coastal.com

DeIDOT Planning – Bruce Allen reported they continue to work on the CAD to GIS conversion of the State Transportation Map. It has proven more challenging. Bruce noted that Josh Thomas will be presenting at the ESRI International User Conference on this topic in July. This product is also assisting DeIDOT in developing a new digital base map for their use. Bruce also suggested a potential presentation of interest to him would be on evacuation planning that occurred in New Jersey during hurricane Sandy.

DTI – Kim Cloud announced that she has all of the individual tiles for the 2012 ortho-imagery in 7 zip files and is working on getting DTI to put up a download site similar to what DataMIL uses for the 2007 imagery.

University of Delaware – Ben Mearns reported that the college of Agriculture at UD has undertaken a project through a USDA grant looking at Lima Bean Yield and is using GIS for the project.

Delaware Geological Survey – Lillian Wang announced that the DGS is hosting a Delaware Geologic Research Symposium on Tuesday April 16, 2013. The meeting will target geosciences professionals as well as planners, engineers, and others using geologic data. Documentation for Professional Geologist (PG) credits will be available to meet continuing education requirements. For more information contact the DGS or visit their website <http://www.dgs.udel.edu>.

Washington College – Eric Rice reported that his group is working on an application to use GIS to evaluate road segments where DUI related incidents are occurring in Maryland. The project is part of the DUI Detachment Team efforts to reduce impaired driving. They are attributing road segments with attributes such as historical crash data, DUI tickets, liquor offenses and repeat offenders. They are using a risk terrain analysis to locate areas of high probability so that the MD police can concentrate patrols.

DNREC – Mike Townshend indicated they are developing mobile applications to get data and information out to the public. They are specifically concentrating on Delaware State Parks at this point. He indicated he's working with the Government Information Center (GIC) who has a contract with Delaware Interactive for mobile applications. The mobile application for Delaware State Parks is being presented at the DRPS conference.

Washington College – Erica McMaster reported on a project they are working on regarding linkage analysis for crime data. This spider mapping idea will allow users to look up via address, or name and search multiple databases of offenders and look at associated relationships to other offenders or addresses.

DeIDOT – Mollie Raley reported that she finalizing a Context Sensitive Solutions Policy, and drafting an ADA (Americans With Disabilities Act) Policy to apply to all DeIDOT projects.

Sussex County – Mark Deao reported that Sussex County is now up and running using Parcel Fabric in ArcGIS 10.1 to update their parcel data.

DeIDOT – Josh Thomas reported that he continues to work on the new INFORM 2.0 web mapping application for DeIDOT. They are working with DTI to set up a sandbox for the application and working with ESRI to develop a set of ArcGIS Online galleries for their products.

Adjournment

The meeting was adjourned at 11:00 am.