



MSGIC Summer Quarterly Meeting
 Wednesday, July 15, 2015 9AM – 3:45PM
 Prince George’s County Government Offices
 1801 McCormick Drive, Largo, MD 20774 (Room 140)

ATTENDEES:

Executive Committee:

Julia Fischer, GISP	MD DoIT	Chair
Marshall Stevenson	SHA/WBCM	Chair - Elect
Theresa Martin, GISP	City of Laurel	Secretary
Al Wainger	Michael Baker Intl	Treasurer
Matt Webb	AA County	Local Government Caucus Chair
Jim Cannistra, GISP	M-NCPPC	State Government Caucus Chair
Patrick McLoughlin, GISP	Spatial Systems Assoc	Private Industry Caucus Chair
Patrick Callahan	PG County GIS	Data and Resources Subcommittee Chair

Members/Guests:

Shellon Holloway	PG County	Samantha Luckhardt	City of Baltimore
David Alvarez	JMTTG	Johnathan Mann	Century Engineering
Roger Barlow	USGS	Gary Maragos	MDP
Mike Bashore	DOE	Jeph Mathurin	Aperture Financial
Michael Blahut	MDSHA	Rob Maxwelll	MDP
John Blair	AA County	Dan McIntire	Axis Geospatial
Dawn Blanchard	McCormick Taylor	Ryan Mello	ESRGC
Jennifer Bratton	PG County	Joe Miller	Caroline County
Mary Buffington	ESRGC	Kenny Miller	MD DoIT
Nate Conway	CEM	Jessica Mirr	MWCOG
Kevin Danaher	International Mapping	Melissa Oguamanam	MDP
Andrew Dane	PG County OIT	Keith Owens	Fugro
Joe Deluca, GISP	CEM	Dan Passman	RKK
Brett Dobelstein	ESRGC	Paul Patanode	M-NCPPC
Ronald Dunbar	City of Gaithersburg	Erick Pate	Calvert County
Tom Earp, GISP	RKK	Liz Peek	ESRGC
Nick Engelhardt	ESRGC	Andrew Peters	Dewberry
Catherine Escarpeta, GISP	PG County / DOE	Tyler Peuse	ESRGC
Kevin Flournoy	MNCPPC-PG	Shawn Pickett Jr	Century Engineering
Tess Foster	Worcester County	Bill Press	EBA Engineering
Mark Garrison	Mackson Consulting	John Privot	Wallace Montgomery
Kerry Gathers	M-NCPPC	Russel Provost	Michael Baker Intl
Carla Gerber	Kent County	Bobby Riley	AECOM
Jim Gillispie	Johns Hopkins	Chris Rotondo	M-NCPPC

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Bud Gudmundson, GISP	Washington Co GIS Office	Ashley Samonisky	MSGIC Intern
Tewodros Hailegeberel	PG County OIT	Matt Sokol	MD DoIT
Garret Halbach	Dept. of Legislative Serv	Julie Spangler, GISP	JMTTG
Claude Hendje	PG County	Jack Stanley	City of Bowie
Davnaye Hines	PG County / DOE	Calvin Strozier	St. Mary's County
Tu Hoang	ESRGC	Nancy Takeichi	City of Bowie
Charlene Howard	MWCOG	Mussie Tewolde	Dept. of Juvenile Services
Jehan Jebaraj	MD DoIT	Adam Travis	Phoenix Engineering, Inc
Marla Johnson	EA	Patricia Valentine	Neighborhood Design Ctr
Marshall Keeney	ESRGC	Nick Walls	Wallace Montgomery
Barney Krucoff	MD DoIT	Eric Williams	STV Incorporated
Linda Loubert	Morgan State University	Charlie Wrenn	PG County Fire/EMS
Wayne Lucas	PG County DPW	Keith Wright	M-NCPPC



Continental Breakfast – Sponsored by Fugro EarthData, Inc.

Welcome and Opening Remarks – Marshall Stevenson (MSGIC Vice Chair) and Prince George’s County Representative

MSGIC Updates

- Trial AGOL account
- Mapping out members
- Emerging Professionals Group in the works – Sid from Dewberry pulling the applications together and hopefully show at a future Quarterly.
- Mentorship Program – Using AGOL app to sign up as mentor or mentoree.
 - Way to connect individuals.
 - Form based application also w/a mapping component.
- Elections coming up – encourage anyone interested to run for a position and looking to bring in new people with new ideas.

MSGIC Business

Financial Report

- Transition to a non-profit over the past few year and now have a budget
- Ideas discussed in the MSGIC updates are a part of the Executive Committee working out goals
- <insert report>

Introductions

By-Laws

- Removing the Grant Subcommittee and adding an Advocacy Subcommittee
- Sending out a Survey Monkey to get membership approval in the near future

Project Reports

GIO

- MNCPPC-PG has made its data available free of charge.
 - “The first dollar costs a thousand” in that any paper work generated to charge a fee costs money.
 - Data available downloadable in portal
 - Launched 2 weeks ago quietly and already had 2K downloads
 - No cost to obtain data only asking people attribute where they obtained their data.
 - Washington Co has recently done the same. Open data at no-charge but do require an agreement.
 - Best Open Data examples we have so far. Please send any Open Data stories to Barney before September Open Data meeting or Panel?
 - Open Data – hand shake deal fell through. Those using ESRI at the state level stays the same. Will continue to work on a new agreement to get a few more products a few more licenses. Looking for more info on ArcGIS Pro and how that is distributed and the costs.
- Some IT consolidation on the state level by the governor to save money and make it more efficient.
 - Multi-year project.
 - Mostly of consolidating servers (GIS side)
- Planning at the state and DTAP – mix of 2 diff data sources that already overlap.
 - Monthly updates on a ftp site had to buy this data from a 3rd party provider.
 - DoIT working with MDP to combine these two datasets.
 - This new file will take the SDAT and match MDP corrected address and make available on the states open data portal. Means you will get more timely data. Note - geographic data only gets updated 1 a year.
- New AGOL organization for state and local data sharing called [MD GeoShare](#).
 - Purpose as AGOL more and more of a way to share data.
 - Used in Baltimore City during unrest and state could see updates automatically.
 - Accounts available for locals particularly those who don’t already have an account.
- Upgrade this weekend on iMAP – running faster and allows them to user there server cluster more efficiently and get more power out of it.
- Still working on replacing Russell Provost who was the Address Coordinator.
 - Still collecting this data.
 - Will be another ESRGC person.
 - Making the geocoder available but not currently making that data available.
- Also some data collection for FirstNet.
 - ESRGC has been collecting historic 911 calls and type.
 - Building a broadband network just for public safety.
 - Collecting all these calls to ensure all these areas are covered.
- NextGen 911 – Should be hearing from Kenny Miller in the near future.
 - On the GIS side our data will be first and foremost on determining the location of the call.
 - Will be important to work together on our data at the boundaries in particular.
- Training for State employees –
 - Can sign up on the Hub.
 - If you are a local and you are interested they are willing to make the materials available or possibly riding our contract. Not currently training locals but happy to help.

MD iMap - Julia Fischer

http://msgic.org/wordpress/wp-content/uploads/2015/07/MSGICQuarterlyMeeting_Summer2015_MDiMAP.pdf

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- Now at ArcGIS Server 10.3.1
- New public services (CAMA, Soils, Benthic Habitat, Casino)
- Updated services (Forests and Composite locator)
- Updated 6" and 3" imagery is coming soon
- Custom imagery extraction
 - Application now available: <http://imagery.geodata.md.gov:8080/ExpressZip>
- Large Area downloads coming soon
- MDiMAP Template – major new release with new and updated features
- MDiMAP Portal – <http://imap.maryland.gov>
 - Subscribe form to get on mailing list.
 - SDAT data available in beta
- Maryland GeoShare – Data Sharing for Local, Regional, University and State GIS
- Local Emergency Management Assistance – Damage Collector App (Based on FEMA form), OSPREY, WebEOC
- Maryland Open Data – <http://data.imap.maryland.gov>
- Single Search Portal - (Coming Soon) Search both GIS Data and Open Data Catalog.
- Next Steps – All services available as feature services, LiDAR extraction tool
- Question: Is this going to include the raw data points? Not sure but they can put whatever they want there.

Federal Projects – Roger Barlow

- USGS has granted MDP \$ for local scale create new at the 2400 scale.
 - Expect work to start later this month or next
 - Next is Anacostia watershed and Montgomery Co delivered possibly in September.
- New PG and Montgomery Lidar to derive NHED
- DC department of the environment embarking on 2400 scale hydrography for the district.
 - Will be coordinated with state of MD to combine together.
- LiDAR
 - Garret County – NRCS funded 100% difficult with the snow. Pilot data accepted last week. Availability Dec or Jan. Under the 3DEP program specifications which are Q2 and will be made available to ESRGC when it is approved. So far all Q2 projects have had multiple rounds of corrections.
 - Carrol, City of Baltimore, Kent... – data is well in to the processing state due Dec 2015 and actual first delivery for review is October.
 - PG Charles and St Mary's (Sandy supplemental data in its 2nd iteration of corrections. Due back today to USGS for review of those second round corrections. Data should be avail as soon as Sept. Supports hydrography mapping.
 - Dorchester Sandy Supplemental delivered
 - Cecil – Preliminary work is done. Have the data. In the process of making a DEM and should be available soon.
- Interested in forming an Elevation and bathymetry Subgroup out of the Data Subcommittee.

Question: Will that group include the Bay Program? Yes, they are welcome to be a part of that.

- Sandy Supplemental
 - NOAA has received their Lidar points.
 - MD has not been posted on Digital Coast and that includes near shore bathy (out to about a km)
 - Not making any products out of the data.
 - Federal government providing money for 10 counties.

Regional Projects – Mara Kaminowitz

<http://msgic.org/wordpress/wp-content/uploads/2015/07/July-15-2015-regional-reporting-presentation-1.pdf>

- Western Maryland GIS User Group – one slot open for a presentation

State Projects

- MDP – issue w/building type and style code – affects 4 most recent additions and affect sales data going back to February.
 - Will be uploaded again in a week or so.
 - New web app called Parcel Viewer can be accessed through their web app page at MDP.
 - Open Data Download email list.
- Met w/Chesapeake Conservancy – doing a regional project w/funding from the feds doing high resolution land use land cover. 64 K sq mi bay watershed.
- SHA – On Maryland One Centerline (OMOC) an intent to award has been issued.
- Basemap product (paper map product) service on MDiMAP.
 - Working on revamping the basemap product – more simplifies more muted on the colors to allow overlaying of local data.
 - OMOC data will incorporated into that product.
 - For locals who don't have the resources to create a basemap product or expand beyond their borders.
 - POI layer is time consuming to maintain so looking to streamline that workflow. Looking at leveraging local jurisdictions to help validate some of those POI.
 - Looking to integrated hillshade into basemap so working with ESRGC.
 - Almost complete at internal review and then will be working on caching.
- Road Closure application
 - Looking at a way to publish
 - Snap-to-point (at jurisdictional boundaries) and Road Closure app are a part of OMOC project.
 - Collecting non-planned road closure events.
 - Allow local and states to share these closures and make available through desktop and mobile applications. Working through process to ensure security and workflow for vetting closures are accurate.

Question: Is there a connection w/MEMA and WebEOC? It is something they are planning on in the future?

 - The intent is not to create another application but to create a service that can be consumed by OSPREY for example. MEMA already has a shelter board where locals update.
- NextGen 911 – small pilot project to do a NextGen data gap analysis.
 - Pilot area was a more rural area to look at address data and validate – Is it ready for the quality necessary for NG? How do we validate?
 - There is a USPS validation program but will not give errors.
 - Need to determine who the authority is – USPS, GIS DB, etc.?
 - Pilot project is not fixing the data but trying to develop a process – methodology to evaluate the data to reach a point to have a seamless statewide datasets.
 - Late summer delivery timeframe.

National Issues – Kenny Miller

<http://msgic.org/wordpress/wp-content/uploads/2015/07/MSGIC-July-2015-National-GIS-Issues.pdf>

- National Address Database (Summit April 8 & 9)
- NEAD (National Emergency Address Database) vs NAD
- National Geospatial Data Act 2015 S. 740

Local Projects – Matt Webb

Washington County:

- Has moved to an Open Data model (free) for GIS data as of July 1st.
- Participating in the Census Bureau beta for “Community Tiger” program (digital uploading of address and centerline data) for 2020.

City of Gaithersburg:

- Looking to hire a GIS Specialist - Application deadline is July 31st.

Anne Arundel County:

- Migrating Geocortex applications to html5
- Statement of work issued for CAD system upgrade
- Acquiring 2014 planimetrics
- Creating forest management plan for the Bacon Ridge Natural Area

ESRI Updates – Anthony Puzzo

- Next week Annual User Conference in San Diego
- 5 Major themes will be covered during the Plenary – should be online by Tues
- Update to the GIS Platform – ArcGIS Pro and Desktop and AGOL; Analytics; Big Data; Mobile Apps (Collector, Survey 1-2-3, Crowd sourcing, Builder – host on Google Play and iTunes); and 3D (ArcGIS Earth – lightweight desktop app that will handle KML easily)

Networking Break

Presentation #1

Challenges Planning in a 3-D World

Presenters: Michael Shean - GIS Coordinator, Maryland National Capital Park and Planning Commission Prince George's County and Chris Rotondo - GIS Specialist 2, Maryland National Capital Park and Planning Commission - Prince George's County

<http://msgic.org/wordpress/wp-content/uploads/2015/09/Challenges-Planning-in-a-3D-World.pdf>

Question: How do you determine which projects you do this for?

- We have regular meetings with the planners. Those that have a lot of public interest and large projects. Also depends on how projects going on at the time.

Question: The flow of data between SketchUp to ArcScene has it changed since Google bought it?

- Yes, had been a little tricky as there is no direct way. Use a 3rd party to export to Collada.

Question: Are there sometimes models available from the developers?

- Yes, sometimes they do have those and provide them and make the work much easier.
- Important to verify those models are what they have previously submitted.

Question: Are these types of data or models going to be requirement?

- It has been discussed although not sure we can make a requirement.
- Developers not always open to sharing. Also, they are continually updating their models as well.

Question: Do you plan on publishing these 3D models as a Web Scene?

- Yes, now that we have CityEngine in house it is something they are looking into as opposed to just a video.

Question: Sketch up is it spatially aware, right?

- Yes, you can define coordinates and lock it down to that space.

Lunch – On Your Own

Presentation #2

CommunityViz in Prince George’s County: Beyond Scenario Planning

Presenter: Paul Patnode, Maryland National Capital Park and Planning Commission - Prince George's County
http://msgic.org/wordpress/wp-content/uploads/2015/07/MSGIC_150714b-2-min.pdf

Question: Hypothetical and Estimated?

- What zoning says you can put on the ground is not always realistic. Doesn't take into account, slopes, etc. At the county scale use historic yields. That would be the number reported to the state.

Question: Are there any issues with keeping up with ArcGIS releases?

- They keep up fairly well. Spun off to [Placeways](#) who does a good job with keeping it up.

Presentation #3

Prince George's County Department of Public Works and Transportation Snow Operations using ArcGIS Online

Presenters: Beth Schrayshuen, Whitney Bailey, Cox, and Magnani and Liz Miller, Prince George's County Department of Public Works and Transportation

Question: Were the road closures sent to the EOC?

- Yes, they were and entered into WebEOC

Question: Is any of this available to the public on a public site?

- Not yet it has been discussed. There was a page set up where the public could search if their street had been plowed. Have also discussed some way to allow residents to submit photos for the conditions of their road.

Question: Have you thought about closing segment vs using a point?

Question: Is this tied into the 311 system? Hoping that the complaints from the 311 storm tracking gets put directly into the map. Call takers can now enter a road and find the snow route instead of looking it up in a book.

Question: What happened if you didn't have coverage? They would enter that point after they go into coverage.

Question: Is there any talks into sharing this with other jurisdictions? Yes, reach out to PG or EA.

Networking Break

Presentation #4

Time Based Run Cards: Better Fire/EMS response in Prince George's County

Presenters: Patrick Callahan – GIS Manager, Prince George's County Office of Information Technology and Charlie Wrenn – Intern, Prince George's Fire/EMS

http://msgic.org/wordpress/wp-content/uploads/2015/07/MSGIC_Fire_Boxes_071515-1.pdf

Question: You had to do some data collection. Did that end up getting back into you SDE?

- No, only did small section of City of Bowie and handed that back to them. Also, a problem are private hydrants and locations like Andrews Air force Base.

Presentation #5

Data Collection Made Easy: Using GIS to Inspect Liquor Establishments

Presenter: Teddy Hailegeberel – Senior GIS Analyst, Prince George's County Office of Information Technology
<http://msgic.org/wordpress/wp-content/uploads/2015/07/Prince-Georges-Liquor-License-Inspection-App-1.pdf>

Question: Do you know if Collector can give you the most efficient route for multiple stops?

- No, it does do routing. A way they will approach this will be to number the balloon for each location in order. It does not do voice guidance. The multi-route function might be available in the new release.

Question: Will you be using this to determine density for potential locations of liquor licenses? That is a different group. They have done that but not set up in the app.

New Business and Adjourn