

**MINUTES OF PUBLIC MEETING OF THE  
ARIZONA GEOGRAPHIC INFORMATION COUNCIL  
DATA COMMITTEE**

A public meeting of the Arizona Geographic Information Council was convened on July 28, 2021 at 10:05 am on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee:

**Table 1: Committee Voting Members**

<b>Name</b>	<b>Organization</b>	<b>In Attendance</b>
Howard Ward, Co-Chair	TerraSystems SW	Yes, virtual
Jenna Leveille, Co-Chair	AZ State Land Department	Yes, virtual
Jack Avis	Pima County	Yes, virtual
Kevin Blake	Yavapai County	Yes, virtual
Jerome Breyer	GIS Works	Yes, virtual
Helen Costello	Coconino County	Yes, virtual
Nicole Eiden	AZ Dept of Health Services	No, with notice
Eric Feldman	Maricopa County	Yes, virtual
Bo Guo	Gistic Research	No, with notice
Ben Hickson	Pima Association of Governments	Yes, virtual
Boyd Larkin	AZ Dept of Revenue	No, with notice
Keith Larson	NRCS	Yes, virtual
Sara Lucas	Gila River Indian Community	No w/o notice
James Meyer	AZ Department of Transportation	Yes, virtual
Jason Nyberg	Quantum Spatial	Yes, virtual
Phil Ponce	Engineering Mapping Solutions	Yes, virtual
Jason Ramsey	APS	Yes, virtual
Jill Sherwood	ASU	Yes, virtual
Susan Smith	AZ Forestry and Fire Management	Yes, virtual
Leslie Stovall	Gila River Indian Community	No w/o notice
Jamie White	City of Phoenix	Yes, virtual
Steve Whitney	Pima County	Yes, virtual
Andrew Zaffos	AZ State Geologic Survey	Yes, virtual

**Table 2: Public Members at Large**

<b>Name</b>	<b>Organization</b>	<b>In Attendance</b>
Brian Colson	Salt River Project	Yes
Angie Garcia	GIS Data Tracker	Yes
Kasey Green	AZ State Land Department	Yes
Drew Decker	USGS	Yes
Jeff Wolkove	ADOA	Yes
Sage Donaldson	ADOT	Yes
Aaron Seifert	NA Health	Yes
Thara Salamone	Demographer's Office	Yes

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Mariah Modson	AZ State Land Department	Yes
Jason Howard	Maricopa Association of Governments	Yes

- I. **Call to order:** Meeting was called to order at 10:03 am.
- II. **Approval of January Meeting minutes:** A motion to approve the April 2021 Data Committee meeting minutes was made by Ben Hickson and seconded by Kevin Blake. The minutes were approved unanimously.
- III. **Announcements**
  - AGIC Education and Training Symposium
    - Will be virtual for 2021. Oct 25-29, 2021
      - Date pushed back due to platform change
    - Nominal fee to offset cost of new platform
      - \$40.00 regular
      - \$20.00 student
    - Call for abstracts deadline is Aug 15, 2021
    - Registration should open in a couple of weeks
  - AGIC/Esri hands-on training on Experience Builder
    - Wednesday, August 4, 2021
    - Virtual
    - Free but [Registration](#) required.
    - Recording and materials available to registrants after presentation.
  - AGIC UAS Fly-in
    - September 15, 2021
    - Hybrid (Tucson, Westland Resources)
    - Free
    - Registration and details to come;
      - For safety, attendance likely limited to the first 30 registrants
- IV. **Workgroup activity summaries**
  - **Arizona State Plane Coordinate System 2022 (SPCS2022) Workgroup**
    - The Workgroup last met in March.
    - Final zone designs were submitted to NGS for Arizona's SPCS2022 designs and we await a response.
    - An AGIC Poll to clarify stakeholder needs was conducted to help in the finalization process for the zones.
  - **Cadastral Workgroup**
    - Met July 23<sup>rd</sup>; 1<sup>st</sup> meeting since October.
    - Elizabeth Heller will be candidate for co-Chair at next meeting.

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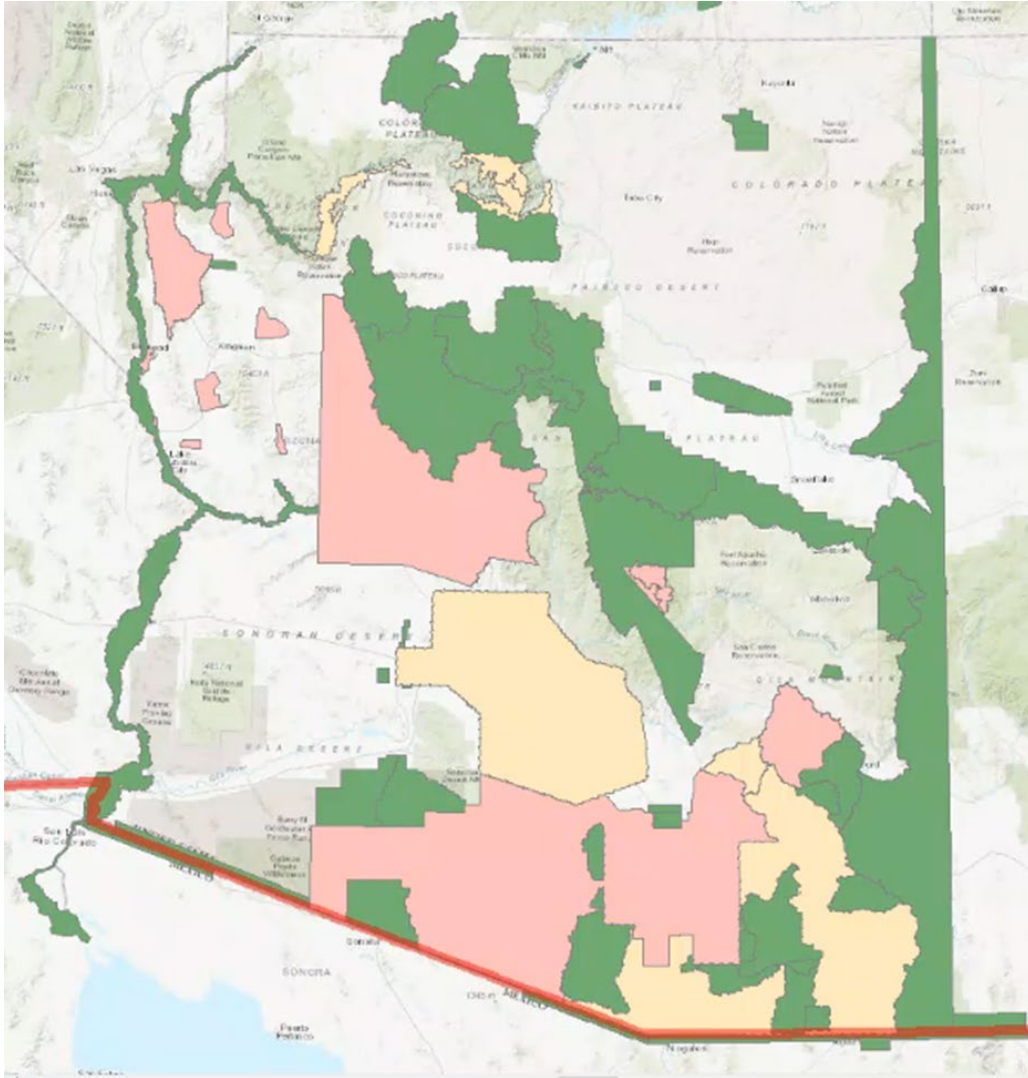
- Reviewed of issues including summary of cadastral challenges faced by ADWR
- Reviewed results of survey to counties on cadastral and systems of record.
- Reviewed NSGIC's GMA cadastral theme grade for Arizona.
- Next steps will be a cadastral decision tree and an 2<sup>nd</sup> survey to counties.
  
- **UAS Workgroup**
  - Met in June
  - Working on UAS landing page on AZGEO
  - Hosting 2021 Fly-In Event on September 15 with focus on multispectral and hyperspectral imagery collection, processing and uses.
  - Approved K-12 Outreach goal, aiming at SciTech Festival and schools.
  
- **LiDAR Workgroup**
  - Held workgroup meetings (March 2nd & April 27th & July 27th)
  - Conducted a well-attended half day virtual LiDAR Symposium with Drew Decker as keynote talking about 3DEP process
  - Lightning talk round discussing different uses and challenges of LiDAR acquisition.
  - Panel discussion to answer attendee questions about LiDAR.
  
- **Natural Resources Workgroup**
  - Still working on completing first HUC-8 (70-75% reviewed); going slow due to few volunteers.
    - Will present at AZ Hydrological Society Symposium in September re NHD pilot
    - The group requests discussion and feedback on identifying a steward for Arizona's NHD Data
  - Conducted April Presentation Series on Forestry with great turnout and feedback. Looking to host two events per year (one technical; one theme focused)
  - Received a passing grade on the NSGIC GMA Hydrography survey; more work to be done.
  - Jenna presented to WG on efforts to compile a Protected Areas Database

**V. 3DEP/3D Nation Study Updates**

- Drew presented the LiDAR status map below: green shading is done; tan is in progress and pink is planned. Several projects now underway. Maricopa and Pinal should be done in a few months. Cochise about a month away from

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completion. Lower Arivaipa is being done by BLM and Drew hopes we can bring it in as a contributed dataset; that might be finished in October. Grand Canyon field data collection going slow due to technical complexity and issues related to COVID. Yavapai and Pima both working on their respective proposals and Drew hopes these will be awarded soon. Yavapai will also include a much smaller USFS project to the east. FEMA Region 9 is sponsoring the project in the NE portion of the State.



### VI. UC Recap – Open Discussion

- Jenna commented that the plenary was well done but did not have time to watch much else.
- Eric noted how difficult it is to dedicate time to virtual sessions. He did watch a couple of on-demand NG9-1-1 related sessions and found integration of various data feeds into AGOL.

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- Aaron Siefert was able to attend virtually where an in-person attendance would not have been possible, so he felt the UC was a success. He was able to attend several sessions during the day while on emergency call standby and also avoided the cost.
- Jenna noted that the virtual mode allows more people to attend.
- Kasey attended sessions on the parcel fabric and Hub and found them valuable for his work on AZGEO. He also enjoyed the Experience Builder and AGP sessions.
- Jenna noted that the on-demand sessions would be available to registrants for another week or so then a subset of those sessions for another 90 days.

**VII. AZGeo Updates**

- AZGeo User Forum
  - Google Group was created to foster communication among Kasey, the AZGEO platform team and other users;
  - The AZGE Committee thought it would be good to know how people were using the platform and any challenges they faced
  - There has been some initial activity. The content will help guide Symposium content and user outreach. So far it has been a success.
  - All registered and future AZGEO users will be auto enrolled but can opt out.
  
- SAG Award
  - Arizona received five SAG award at this year's UC, including one for AZGEO.
  - Jenna is very proud and excited that Arizona received recognition; it is a tribute to all that is going on in our State.
  - Outreach has produced and posted an article covering all five awards.
  
- Sun Cloud
  - Jenna noted Sun Cloud is a new initiative spearheaded by MAG and ADOT.
  - It includes five counties and is a data repository collaboration space for participants.
  - Jason Howard noted that they just launched the public facing side of the site and that a Stakeholder meeting of all the COG/MPO's is coming up in August.
  - Jenna noted that this initiative will be good test case for how the Hub site is working.
  
- ADOT Research Center
  - ADOT is using AZGEO as a document repository for federal requirements for public access.
  - It is available from the partner page on AZGEO and linked from ADOT webpage

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- Jenna noted that this is a different group other than a typical geo-spatial user and demonstrates the flexibility of the AZGEO platform.
- Workgroup Pages
  - Jenna noted that all Data Committee workgroups were working on or have completed pages.
  - Phil asked if it was appropriate to share his work with local communities and local utility districts. Jenna agreed it was appropriate.
  - Howard suggested Phil do a presentation at a future Data Committee meeting to bring us up to date on his work in this area and he agreed.

**VIII. Statewide/Regional Data**

- Census Update
  - Jenna discussed differential privacy and what it means for 2020 data products:
    - The anticipated products are the redistricting data;
    - Census has determined their privacy loss budget; and how differential privacy will be applied to the data;
    - The Bureau is trying to improve: privacy vs accuracy and landed on side of accuracy.
      - The data has improved since last version that was sent out.
      - Has to have some level of noise by law; 19.61 = budget; 17.14 for person file; 2.47 for housing file;
      - They have decided to have two releases of redistricting data in Aug and Sep. The format differs; Sep will be easier to work with. Aug is being released so work can begin sooner.
  - Thara Salamone noted that the Aug release will be very rich file with all variables for every type of geography; lots of data. Sep will be PDF files that have list of geographies so non experts can use more easily;
    - She clarified that though accuracy has improved; block level accuracy is worse and won't be reliable at all. Users will need to aggregate to block level
    - Late last week an addition to Aug release. It will include a PPMF which shows what the algorithm did to 2010 as an example to understand noise;
    - Phil asked about the nature of the PPMF and expressed concern that Block level data was so unreliable.
    - Thara hopes that Census will release guidance on how to use; should be something accompanying the release.
    - Howard asked about reverse engineering and Thara stated that is was random and therefore not possible;
    - Thara noted Census is thinking about releasing the firsts phase of data noise introduction which can result in negative number to

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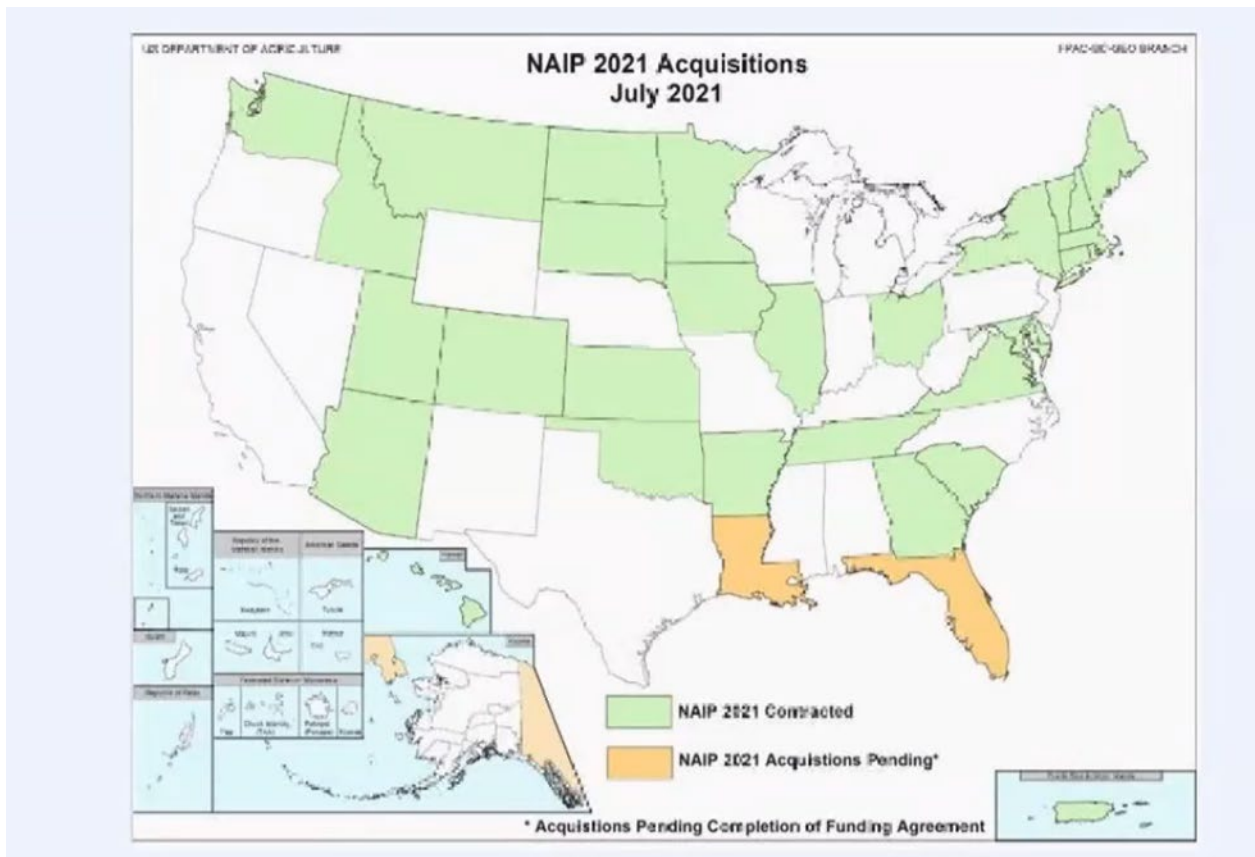
- help users understand, but probably will release only post processed.
  - Jenna encouraged DC member and other to reach out to her and she can forward questions to the State Demographers Office if needed.
  
- NHD (and Protected Areas) Stewardship Approach
  - Jenna is asking for feedback on who should be the NHD and Protected Area Database stewards
  - She noted that the Natural Resources Working Group has an NHD pilot project focused on how to update the NHD data to make it more useful across the State
  - One of the key components is that each state has steward; all edits go through them before USGS puts in database (also applies to Protected Area Database).
  - Arizona is a priority for Protected Area update. The former Steward was AZGF but they are no longer able to dedicate the resources.
  - So, input is needed on who should be steward.
    - AGIC? If so, is that the AGIC Board or agency under AGIC?
    - Ben: AGIC might be best as a proxy steward. Subdivide Arizona into counties, quadrants, etc. AGIC would send work on to their subagency contact.
    - Eric agrees with the idea of Counties until USGS can come up with resources for the State agency to take over.
    - Jenna has asked the USGS about providing some resources but no response yet.
  
- DPS Map/911 Data request
  - DPS append has been relabeled “Statewide Append” We are going back to bi-annual until process can be better automated.
  - 911 Office has been coordinating with ADOT and ASLD on using more automated process to deliver statewide data;
  - The append also supports the National Address Database.
  - Also looking for ADOT and road centerlines; want to open up the process to supports other business process (state, local, etc).
  - There is a brief survey at the link below to identify state agency business needs relating to 911 data.
    - <https://docs.google.com/spreadsheets/d/1bUedy2x20sR1nn9Swe4SoUs2cixZnt3zf142t88fmko/edit?usp=sharing>
  - This NG-driven data-sharing model is replicated in other states include MA across the State GIS and 911 groups. It is a good partnership.
  - Please review link and give Eric feedback ([eric.shreve@azdoa.gov](mailto:eric.shreve@azdoa.gov)).
  
- 911 Office Update

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- 911 has awarded NG Core Services for geo-spatial routing of calls across the state; 3 business day turn around; lot of connections in with local data providers.

**IX. NAIP Update**

- Keith Larson reported a important change re 2021 NAIP (see map below). Arizona will be flown this year after all and the flight is being contracted. One tricky thing is a typical flight is done in June; this flight will likely wait until the end of the monsoon. This delay was because USDA received funding very late in the game from two sponsors. Surdex is the selected vendor. Keith noted they have done good work in past projects. This product will be 60 cm resolution, 4 band imagery; Keith will have early access to as usual review. Ben asked if there would be a photogrammetric product and Keith replied no.



**X. Data Committee Report to Council for August**

- Howard and Jenna will summarize meeting activities. Jenna asked if any other information or issues should be reported the Council and no suggestions were made.



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**XI. Committee Goals Discussion**

- AGIC Symposium Workgroup tracks – Jenna noted that this item is to provide guidance to all the workgroups to contribute to the Symposium. No discussion.
- Rural community support and mentorship – The Data Committee, Outreach and 911 chairs met to talk about better outreach. The goal is to inform our rural members about resources such as AZGEO. It was suggested that we develop a survey to learn more about rural needs. Jenna noted that it can be challenging if we don't know the rural AGIC members or their needs. If you want more information or to participate in the survey or other outreach activities, contact Jenna.

**XII. Presentation from the Natural Resources WG: *A collaborative effort toward one authoritative NHD Dataset for Arizona***

- Mariah Modson presented her work on the NHD program analytics. This presentation was accepted and will be presented at the upcoming Arizona Hydrological Society conference.

**XIII. Information or Topics for Future Meetings**

- Phil Ponce to present latest in his work connecting municipalities and utilities to AZGEO
- Next meeting – Oct 13

**XIV. Adjourn: 11:43**