

**MINUTES OF THE ARIZONA GEOGRAPHIC
INFORMATION COUNCIL
DATA COMMITTEE – Natural Resources Work Group**

A Public meeting of the Arizona Geographic Information Council (AGIC) was convened on Tuesday, June 14 at 10am WebEx only due to COVID-19 health precautions. Present at the meeting were the following members or designees of the AGIC NRWG Committee

Table 1: Committee Voting Members

Member	Agency/Company	In Attendance
Elisabeth vanderLeeuw, Co-chair	Pima County	Yes, phone
Jay Corum, Co-chair	Bureau of Reclamation	Yes, phone
Mariah Modson	ASLD	Yes, phone
Aryn Musgrave	Desert Botanical Gardens	Yes, phone
Robert Davis	City of Quiet Creek	Yes, phone
Jenna Leveille	ASLD	No, with notice
Ben Hickson		Yes, phone
Keith Larson	USDA-NRCS	Yes, phone
Tanya Owens	Westland Resources	Yes, phone
Jatta Sheehy	TerraSystems Southwest	No, with notice

Table 2: Public at Large

Member	Agency/Company	In Attendance
Branon Barnett	ASLD	Yes, phone
Brian Conway	ADWR	Yes, phone
Camille Mayberry	ADWR	Yes, phone
Charles Horneck	Pima County	Yes, phone
Drew Decker	USGS	Yes, phone
Gerardo Armendariz	USDA-ARS	Yes, phone
Jeff Wolklove	ADOA	Yes, phone
Jen Psillas	Pinal County	Yes, phone
Jen Wennerlund	SRP	Yes, phone
Jim Downey	DFFM	Yes, phone
LuDean Stone	ADWR	Yes, phone
Richard Harris	Maricopa County	Yes, phone
Sara Emani	ADWR	Yes, phone
Susan Boe	AZ Game and Fish	Yes, phone
Veronica Nixon	ADWR	Yes, phone

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The Committee discussed and acted on the following items:

I. Call to Order and Introductions; establish a quorum

Quorum was established and the meeting was called to order at 10:02 by Elisabeth vanderLeeuw.

II. Approval of [April Meeting Minutes](#) (Elisabeth vanderLeeuw)

Motion to approve minutes by Robert Davis, seconded by Mariah Modson. April Meeting minutes were approved unanimously without further discussion.

III. AGIC Announcements and Updates (Jay Corum)

- AGIC Lidar WG Meeting – June 28, 2022 10a
- AGIC Education and Training Symposium will in person in Prescott for 2022. August 30-Sept 2, 2022
 - [Registration is open](#)
 - [Maps & Apps contest](#) – closes August 19
 - [Tony Gonzales Scholarship](#)
 - **Submissions close June 17**

IV. Spring Symposium Debrief (Jay Corum & Mariah Modson)

- [Symposium Materials](#) (Presentation slides, data)
- [AGIC YouTube](#) (Recordings)

The Symposium was a success! Yavapai College expressed interest in hosting AGIC again in the future. Presentations will be available on the AGIC YouTube channel on Friday, June 17.

Attendance for the Spring Symposium was around 50 people in person and 30 people virtually. The videos of the drone presentation from BadElf, recorded live, are available on AGIC's Facebook page.

Suggestions given for inclusion of the YouTube channel linked by icon on the AZGeo hub site. Mariah confirmed that this is being researched.

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V. AGIC Education & Training Symposium – NRWG SIG Tracks (Elisabeth vanderLeeuw)

- Need 60 – 90 min of content; panel; technical presentation; 2 presentations
 - Submission: 3D NHD: Considerations and complexities of elevation derived hydrography (NV5)
 - NRWG Overview
 - Elisabeth & Austin’s presentation

Elisabeth expressed interest in having a panel discussion to discuss all the above subjects. Mariah confirmed that there is room to be able to schedule a discussion between each presentation for participants to ask questions if the presentations are split up into 30-minute segments. Panel discussion topics such as natural resource management through the state were brought to light, with the addition of remote sensing and GIS applications and how they contribute to this effort.

The overview of the NRWG will encompass the issues that the group addresses in an informative segment that can be explained to those who are new to the concept.

Elisabeth and Austin’s presentation will include their PhD research and will include a dive into their projects as they relate to the NRWG.

VI. Goal/Activity reports

- NRWG Hub Site Update & Data Coordination (Gerardo Armendariz)
 - Updates
 - Publications & Use Cases
 - Survey redesign

The functionality of data search within the NRWG Hub page was updated with grouping the types of datasets with links organized at the beginning of the landing page. Publications that are pertinent to the workgroup are included within the Publications page on the hub, with Gerardo requesting that any individuals that have any documents not already included to submit to the group administrators to ensure that it is added.

The home page is simplified from the last time the hub page was discussed, and Gerardo suggested inclusion of the YouTube page on the footer of all hub pages, which Mariah suggested that Kasey Green can add this on to. Mariah showcased the Story Maps section that

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includes a Data Visualization tool from the Bureau of Reclamation and Student Work submitted that applied to natural resources.

- Protected Areas Database subgroup update (Jen Wennerlund/Gerardo Armendariz)

The Protected Areas Database is currently hosted by USGS and is posted within the hub page with the project objectives (long-term, short-term, and mid-term) under the mission statement. This outlines the goals of status and agency participation, divisions included, standards for data, contact entities, subjects of discussion, among other goals. The current stage of the PAD project is the contact stage.

VII. NHD Pilot Project Update (Mariah Modson)

- NHD Pilot WG Meeting Summary
- Data Analytics Team Update

Contact with a programmer at ADWR was made to guide assistance with the re-group of the Data Analytics team to process data to NHD and testing elevation data to what we currently have to test bandwidth. Suggestions were requested from the group by Mariah, to which Ben Hickson stated that the scripts are needed for this work the group needs for processing the elevation geometry, confirming that the development process for this data analysis is still underway. Issues with certain features such as streams and intricate elevation geometries were mentioned, which is a thought that needs to be addressed for forward movement on the development of the tools. The ideal timeframe for the Data Analytics team to address this concern is the next 2-4 months to keep the project moving.

VIII. Information or Topics for Future Meetings

- MODIS Presentation (Robert Davis)
- Next meeting – Aug 9, 2022

MODIS datasets are packaged and are available publicly, which include the last 21 years of different data types and data subjects. The different tools that utilize Google Earth engine are in progress but include data like Landsat downloads that provide you with pre-packed data and tools like graphs and summaries that show the intention of ease of end-user access and availability.

Brandon Barnett included the updated survey for the NRWG Hub page

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for review before replacing the current survey. Members are encouraged to look over for approval and include any comments or concerns with the survey before it is made the authoritative source for user feedback and submissions.

IX. Adjourn

The meeting was adjourned at 11:28 AM.

Upcoming 2022 Meeting Dates (Bi-Monthly)

- February 8
- April 12
- June 14
- August 9
- October 11
- December 13