

**MINUTES OF MEETING OF THE ARIZONA  
GEOGRAPHIC INFORMATION COUNCIL  
DATA COMMITTEE – NRWG NHD Pilot Team**

**DRAFT**

A public meeting of the Arizona Geographic Information Council was convened May 27, 2021 at 2:00 PM on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee – Natural Resources Work Group – NHD Pilot Team:

**Table 1: Committee Voting Members**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Jeremy Johnson, Co-chair	Matrix New World	Yes, phone
Robert Davis	Quiet Creek	Yes, phone
Ben Hickson	Pima Association of Governments	Yes, phone
Jenna Leveille	Arizona State Land Department	Yes, phone
Mariah Modson	Arizona State Land Department	Yes, phone
Camille Mayberry	AZ Dept of Water Resources	Yes, phone
Cody Maynard	AZ Dept of Environmental Quality	Yes, phone

**Table 2: Public At-Large**

<b>Name</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Drew Decker	USGS	Yes
Alene McCracken	AZ Dept of Water Resources	Yes
Brandon Barnett	Arizona State Land Department	Yes

- I. **Call to order:** Meeting was called to order at 2:01pm; Introductions were made by the committee; ensure attendance list was managed and quorum established.
  
- II. **Approval of the March Meeting Minutes:** March meeting minutes were distributed prior to the meeting via email. Jeremy asked for a motion to approve the minutes as written. Mariah motioned and Robert Davis seconded the motion. Motion passed unanimously without discussion.
  
- III. **Project Status Updates:**
  - USGS Training Completion, Second Round – Drew Decker confirmed that Joaquin Celsius and Joe Holland attended the May training.
  
  - AZGeo Group – No updates
  
  - AZ Hydrologic Society Presentation, Abstract Accepted – Mariah Modson wrote and submitted an abstract about NHD Pilot Project for the Arizona Hydrological Society Symposium in September. It was accepted. Mariah will be doing a live presentation and a poster.
  
  - NSGIC GMA Survey, Hydrography theme – Jenna and Jeremy answered, reviewed answers with the group

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**IV. Data Analysis Team:** Mariah gave an overview of the most recent updates from the group. Lisa Galyen joined the analysis team. Overall, half of the preliminary HUC-8 watershed area has been reviewed. The team continues to meet every other week to check in with one another.

**V. NHD Scale Discussion:** Robert gave a presentation to the group regarding the difference in scales amongst the NHD dataset. The possible scales that exist in the National Dataset are as follows:

1:<12,000 (local resolution)

1:100,000 (medium resolution)

1:24,000 (high resolution)

When USGS quad boundaries are overlaid with the data, it is clear the quads are the breaking point between the scales. On top of this, the NHD metadata says the data is ready for analysis. This poses a problem, as the results will be quite misleading. USGS's proposed solution is called "scale blocking" where one filters by visibility. However, this only can work if that table field is attributed. Through discussion, the group thought modeling flow density based on elevation analysis would be a better option. This could tell how many square miles are being drained into the waterway.

**VI. Information or Topics for Future Meetings:** n/a

**VII. Adjourn:** Meeting adjourned at 2:54pm.