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**IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA**

IN RE THE GENERAL ADJUDICATION
OF ALL RIGHTS TO USE WATER IN
THE GILA RIVER SYSTEM AND
SOURCE

W-1 (Salt)
W-2 (Verde)
W-3 (Upper Gila)
W-4 (San Pedro)
(Consolidated)

Contested Case No. W1-00-000103

**ARIZONA DEPARTMENT OF
WATER RESOURCES' MEETING
SUMMARY**

Special Master Sherri Zendri

CONTESTED CASE NAME: *In re Subflow Technical Report, San Pedro River Watershed*

DESCRIPTIVE SUMMARY: The Arizona Department of Water Resources (“ADWR”) files a summary of the Groundwater Flow Model Technical Committee (“Committee”) meeting held on October 23, 2025.

NUMBER OF PAGES: Four and three-page attachment

DATE OF FILING: October 28, 2025

1 Pursuant to the Order Establishing Groundwater Flow Model Technical Committee,
2 which requires that “ADWR shall file, within five business days of a Committee meeting,
3 a summary of the meeting,” ADWR submits the following summary, below.¹ The agenda
4 is attached to this filing as Attachment A.

5 **1. List of Attendees:** Dean Alford, Doug Bartlett, Dave Colvin, Amy Hudson,
6 Emily LoDolce, Colin Kikuchi, Conor Kingston, Nathan Miller, Peter Mock,
7 Jerry Shi, and James Wells.

8 **2. Starting Time:** 1:30pm

9 **3. Stopping Time:** 3:00pm

10 **4. Brief Description of Discussion Items**

11 a. *ADWR Grid Refinement:* ADWR shared the proposed Model grid with the
12 Committee, and the Committee shared additional feedback. Specifically, the
13 Committee commented that there could be potential numerical issues around
14 the cell size changes (currently set to a 2:1 ratio). However, the Committee
15 agreed it was something that could be re-reviewed once the Model is running
16 and wanted to move forward with the grid as proposed.

17 b. *Geology Review:* ADWR divided the Model domain into six zones and
18 Committee members reviewed driller logs and layer elevations in each of
19 those zones. ADWR then reviewed the Committee members’ comments on
20 ADWR’s elevation picks and provided comments to Committee members’
21 comments. The Committee has reviewed ADWR’s responses and was
22 comfortable with the proposed picks for the Model layering. ADWR is
23

24 ¹ *In re Subflow Technical Report, San Pedro Watershed*, Contested Case No. W1-103,
25 March 24, 2025, at 4 ln.10-11,

26 <https://www.superiorcourt.maricopa.gov/SuperiorCourt/GeneralStreamAdjudication/docs/W1-103-OR-establish-tech-comm-3-24-25.pdf>.

1 planning to do a full revision of the layer structure and will provide interim
2 work products such as layer cross-sections and accompanying narrative for
3 Committee review.

4 c. *AEM Survey Data*: ADWR proposed to use the data with caution to fill in
5 areas of otherwise missing data. The Committee agreed with ADWR’s
6 conceptual approach.

7 d. *Conor Kingston Update on ET Analysis*: Mr. Kingston presented the results
8 of an ET analysis. He used the USGS program ZoneBudget to split the model
9 ET into four zones and focused on one zone where ET was negligible
10 compared to values presented in other sources (literature and other modeling
11 efforts). He identified a reason for this being discrepancies between the land
12 surface elevation and the stream bed elevation in the Model. Some ideas for
13 improvements included designating a separate ET surface (such as the Pool
14 & Dickinson model did), resolving the issue naturally during grid
15 refinement, or manually reviewing elevations for areas where the stream is
16 unnaturally incised. The discussion was truncated due to the end of the
17 meeting and will resume at the next meeting, scheduled for November 6th.

18 **5. Action Items and Due Dates**

19 a. Colin Kikuchi will contact the USGS to see about getting borehole
20 geophysics data to use for comparison with the AEM survey lines.

21 b. Conor Kingston will finalize his ET analysis and upload it to the Google
22 shared drive along with PDFs of the references and the OpenET rasters that
23 the Committee discussed in the meeting.

24 c. ADWR will locate the “Putnam, 1988” reference from the 2024 model
25 report. (Action item already completed as of date of filing).
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d. Peter Mock will send the groundwater article on manually checking surfaces.
(Action item already completed as of date of filing).

6. Issues Assigned to Next Meeting


a. ET analysis

7. Issues in Need of Attention of the Special Master

a. None at this time

RESPECTFULLY SUBMITTED this 28th day of October, 2025.

ARIZONA DEPARTMENT OF WATER
RESOURCES



Kimberly R. Parks, Deputy Counsel
Karen J. Nielsen, Deputy Counsel

ORIGINAL of the foregoing sent by
first-class mail on October 28, 2025, to:

Clerk of the Maricopa Superior Court
Attn: Water Case
601 W. Jackson Street
Phoenix, Arizona 85003

COPY of the foregoing sent by
electronic mail on October 28, 2025, to:

Special Master Sherri Zendri
water@jbazmc.maricopa.gov

COPIES of the foregoing sent by first-class
mail on October 28, 2025, to all parties on the
court-approved mailing list for Contested Case
No. W1-103.



ATTACHMENT A

KATIE M. HOBBS
GOVERNOR



THOMAS BUSCHATZKE
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Groundwater Flow Model Technical Committee Meeting Agenda

In re the General Adjudication of All Rights to Use Water in the Gila River System and Source

Contested Case No. W1-103: In re Subflow Technical Report, San Pedro Watershed

Authorized Pursuant to [Court Order](#)

Meeting 7: October 23, 2025

1:30-3:00 pm

Hassayampa Conference Room

1110 W. Washington St. Suite 310

Phoenix, AZ 85007

Google Meet Link:

<https://meet.google.com/ebf-syiv-hdh>

1. Role call (committee contact information on next page)
 2. ADWR: Update on grid refinement and AEM Review
 3. Conor Kingston: ET analysis
 4. Next steps
 5. Close
-

Name(s)	Company	Email	Phone number
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