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

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

17 W-1 (Salt)
18 W-2 (Verde)
19 W-3 (Upper Gila)
20 W-4 (San Pedro)
21 (Consolidated)

22 Contested Case No. W1-103

23 **ARIZONA DEPARTMENT OF**
24 **WATER RESOURCES' MEETING**
25 **SUMMARY**

26 Special Master Sherri Zendri

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

29 **DESCRIPTIVE SUMMARY:** The Arizona Department of Water Resources (“ADWR”) files a summary of the Groundwater Flow Model Technical Committee (“Committee”) meeting held on September 11, 2025.

30 **NUMBER OF PAGES:** Four and two-page attachment

31 **DATE OF FILING:** September 17, 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. *Driller Log Review:* Committee members in charge of reviewing the six zones
12 of driller logs have uploaded their reviews and ADWR has started to review
13 the material. ADWR was asked by separate Committee members to: (1)
14 justify the chosen elevations; (2) highlight any material ADWR was not
15 using; and (3) highlight what ADWR sees as big changes to the elevations
16 and model. ADWR agreed to these requests. Based on Dr. Kikuchi’s review,
17 the Committee discussed the bottom of the fine-grained unit. The Committee
18 also discussed interbedded zones, color changes, and zones with and without
19 water as breaks and boundaries to consider.

20 b. *Proposed Grid:* ADWR shared the proposed grid the week of September 1st.
21 The grid has a minimum cell size of 41 feet and a maximum cell size of 2,640
22 feet. Several Committee members asked if it was necessary to go as small as
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](https://www.superiorcourt.maricopa.gov/SuperiorCourt/GeneralStreamAdjudication/docs/W1-103-OR-establish-tech-comm-3-24-25.pdf).

1 41 feet. There was a general concern over run time given the number of grid
2 cells (closed to 1 million). Mr. Colvin pointed out the tension between
3 achieving a grid that is small enough to satisfy the desire to have multiple
4 cells spanning the narrowest reaches of the subflow zone versus the need to
5 have a reasonable model run time. As a result of this discussion ADWR is
6 attempting to satisfy the following criteria:

- 7 1. Keep the subflow zone discretization equal for all well owners/users;
8 in other words, a well owner in the northern part of the model would
9 see the same cell size at the subflow zone as a well owner in the
10 northern part of the model
- 11 2. Implement a fine grid in areas of interest to minimize numerical errors
- 12 3. Prioritize uniformity where possible
- 13 4. Find a compromise between runtime and grid size

14 The Committee agreed that ADWR would revise the grid to have a minimum
15 size of 82 feet and then proceed to incorporate layer elevation changes as a
16 result of the driller log reviews.

- 17
- 18 c. *Committee Member Assistance:* ADWR asked if there were tasks the
19 Committee could undertake while ADWR is working on the grid. Mr.
20 Kingston offered to generate a review of evapotranspiration (ET) that he
21 could provide to the Committee by the next meeting on October 23rd.
- 22 d. *Items Not on the Agenda:* The Committee discussed seasonality and the
23 potential to implement it in the Model. Dr. Hudson asked that ADWR be
24 prepared to defend annual stress periods if ADWR continues using that
25 approach. Mr. Bartlett suggested that ADWR conduct a sensitivity analysis
26 on seasonality and several Committee members agreed.

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5. Action Items and Due Dates

- a. Mr. Kingston will provide a summary of ET in the basin (due October 23)

6. Issues Assigned to Next Meeting

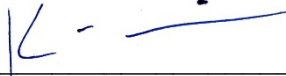
- a. ADWR to provide a status update on grid and structure work

7. Issues in Need of Attention of the Special Master

- a. None at this time

RESPECTFULLY SUBMITTED this 17th day of September 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 September 17, 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 September 17, 2025, to:

Special Master Sherri Zendri
water@jbazmc.maricopa.gov

COPIES of the foregoing sent by first-class mail on September 17, 2025, to all parties on the court-approved mailing list for Contested Case No. W1-103.



ATTACHMENT A

KATIE M. HOBBS
GOVERNOR



THOMAS BUSCHATZKE
DIRECTOR

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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](#)

Google Meet Link:

meet.google.com/fwu-ozow-sjy

Meeting 6: September 11, 2025

1:30-3:00 pm

Hassayampa Conference Room

1110 W. Washington St. Suite 310

Phoenix, AZ 85007

1. Role call (committee contact information on next page)
 2. Review drill log reviews
 3. Discuss ADWR's grid (posted last week)
 4. Next steps
 5. Close
-

Name(s)	Company	Email	Phone number
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