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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. W1-103

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

Special Master Susan Ward Harris

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

DESCRIPTIVE SUMMARY: The Arizona Department of Water Resources (“ADWR” or “The Department”) provides its Meeting Report for the January 23, 2023 meeting.

NUMBER OF PAGES: Four

DATE OF FILING: January 25, 2023

1 As requested by the Court and discussed during the June 17, 2022 status
2 conference in this matter, ADWR scheduled a meeting between the parties and technical
3 experts in this case to discuss progress on the San Pedro River watershed MODFLOW
4 model.¹ The virtual meeting took place on January 23, 2023 at 1:00 p.m. ADWR hereby
5 files its Meeting Report addressing the results of the meeting. A copy of ADWR's
6 Meeting Report is being posted to ADWR's website at:
7 <https://new.azwater.gov/adjudications>.

8 9 SUMMARY

10 During the meeting, ADWR staff gave a presentation regarding progress on the
11 Department's San Pedro River watershed MODFLOW model, which extends from
12 Mexico through the Upper San Pedro groundwater basin to the Narrows north of Benson.
13 The model contains four (4) geologic layers: 1) Floodplain Holocene Alluvium and
14 Pleistocene Alluvium, 2) Upper Basin Fill (sand and gravel), 3) Upper and Lower Basin
15 Fill (silt, clay, siltstone, and mudstone), and 4) Lower Basin Fill, Pre-Basin Fill and
16 Sedimentary Rock. The vertical delineation of the subflow zone, which will be used for
17 depletion calculation purposes,² has been completed using well logs and published reports
18 and has been incorporated into the model. ADWR refined the model grid size to ¼ mile
19 by ¼ mile (40 acres). ADWR has also completed the steady-state calibration. ADWR
20 discussed various inputs to the model and calibration targets from well and gage data and
21 published reports. ADWR reported that the steady-state model is well-calibrated to
22 observed water levels, matches observed and estimated instream flows and baseflows
23 reasonably well, and that the model mass balance is consistent with previous estimates.

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¹ Minute Entry Order filed July 18, 2022 at 4.

26 ² Minute Entry Order filed February 19, 2020 at 12.

1 Dr. Amy Hudson, expert for Freeport Minerals, Mark Nicholls, and Tom Murphy,
2 counsel for the Gila River Indian Community, each asked a clarification question and
3 received an answer from ADWR. Dr. Peter Mock, expert for the Gila River Indian
4 Community, asked a question that requires ADWR to take another look at a piece of data.
5 Lisa Dubas, expert for the Bureau of Land Management, provided some information for
6 ADWR's consideration. There were no other questions or issues raised.

7
8 **NEXT STEPS**

9 ADWR hydrologists will continue developing the MODFLOW model with a goal
10 of presenting the transient model calibration at the next meeting in August 2023. ADWR
11 will issue its report containing its preliminary analysis and example results in December
12 2023.

13 The original of ADWR's report is being filed with the Clerk and a copy is being
14 posted to ADWR's website at: <https://new.azwater.gov/adjudications>.

15 **DATED** this 25th day of January 2023.

16 ARIZONA DEPARTMENT OF WATER
17 RESOURCES

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19 _____
20 Kimberly R. Parks, Deputy Counsel
Kome O. Akpolo, Deputy Counsel

21 **ORIGINAL** of the foregoing sent by
22 first-class mail on January 25, 2023, to:

23 Clerk of the Maricopa Superior Court
24 Attn: Water Case
25 601 W. Jackson Street
26 Phoenix, Arizona 85003

1 **COPIES** of the foregoing sent by
2 first-class mail on January 25, 2023, to:

3 Special Master Susan Ward Harris
4 Maricopa County Superior Court
5 Central Court Building
6 201 West Jefferson Street, Suite 3A
7 Phoenix, AZ 85003-2205

8 **COPIES** of the foregoing sent by first-class
9 mail on January 25, 2023 to all parties on the
10 court-approved mailing list for Contested Case
11 No. W1-103.

12 *Lizette Fuentes*

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