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11. **Adjournment – Chair**
Prescott AMA
GUAC August 18, 2021
Meeting Agenda

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Verde River Basin and Prescott AMA
ADWR Groundwater Monitoring Sites
ADWR Hydrology Division
August 18, 2021
## Verde River Basin and Prescott AMA ADWR Monitoring Sites

### Ground Water

<table>
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<tr>
<th>GWSI</th>
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<th>VER (VERDE VALLEY)</th>
<th>LVR (VERDE CANYON)</th>
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<td></td>
<td># Wells – 2658</td>
<td># Wells – 452</td>
<td># Wells – 1876</td>
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<th>UAG (UPPER AGUA FRIA)</th>
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### ADWR Well Index Lines

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<td>ADWR</td>
<td>Water levels measured in all wells available for measurement</td>
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<td>USGS/ADWR</td>
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### Basin Sweeps

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<tr>
<td>Upper Agua Fria</td>
<td>1976, 2017</td>
<td>USGS/ADWR</td>
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All Wells Monitored by ADWR within Verde River Basin & Prescott AMA
Photos of Current Monitoring Wells

BMW-2

MW-4E
Photos of Current Monitoring Wells – MW-4F1
Photos of Current Monitoring Wells
Current ADWR Monitoring within Big Chino
# Current ADWR Transducers within Big Chino

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<tr>
<th>Code</th>
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<td>BK</td>
<td>Antelope Wash</td>
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<td>BY</td>
<td>Big Chino Water Ranch</td>
<td>12/28/2007</td>
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<tr>
<td>BJ</td>
<td>Walnut Creek</td>
<td>2/4/2009</td>
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<tr>
<td>RA-RE</td>
<td>&quot;Paulden 5&quot;</td>
<td>6/17/2014</td>
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<tr>
<td>RF</td>
<td>Wineglass Ranch</td>
<td>10/7/2014</td>
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<tr>
<td>RG</td>
<td>BMW-2</td>
<td>8/20/2020</td>
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<td>RH</td>
<td>MW-4E</td>
<td>8/20/2020</td>
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<td>RI</td>
<td>MW-4F1</td>
<td>9/17/2020</td>
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<td>RL</td>
<td>MW-4B1</td>
<td>8/27/2020</td>
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<td>RM</td>
<td>MW-4B2</td>
<td>8/27/2020</td>
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<td>RO</td>
<td>MW-4D</td>
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</tr>
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<td>RP</td>
<td>SL-1</td>
<td>9/17/2020</td>
</tr>
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Current ADWR Transducers within Big Chino
Current ADWR Transducers within Big Chino

- B-17-02 S04DBC2
  - ‘Paulden North’
- B-17-02 S04DBC1
  - ‘Paulden’ ‘Dugan Well’
- ‘Paulden South PZ1’
- ‘Paulden South PZ2’
- ‘Paulden South PZ3’
Current ADWR Transducers within Big Chino

MW-4F1 Auto
Current ADWR Transducers within Big Chino
Figure 11 - ADWR Verde River Streamflow Monitoring Locations

Verde Stream Data

- UTM Section
- Flowing Section (CFS)
- Index Book Wells (BK67.5)

Stream

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<tr>
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<th>Longitude (NAD27)</th>
<th>Discharge (cfs)</th>
<th>Measurement Date</th>
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<td>V006</td>
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<td>-112° 25' 32.9&quot;</td>
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<td>-112° 25' 27.7&quot;</td>
<td>UTM</td>
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<td>-112° 25' 21&quot;</td>
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<td>V010</td>
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<td>-112° 23' 35.6&quot;</td>
<td>14.8</td>
<td>S28/2020</td>
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Water Level Change WY 2009 - 2019
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### Total Reports Received by Filing Method

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**Reports Received**

- 6.06K

Includes Filed on Behalf Ofs

- DOUGLAS INA
- HARQUAHALA VALLEY INA
- JOSPEH CITY INA
- NOT WITHIN ANY AMA OR INA
- PHOENIX AMA
- PINAL AMA
- PRESCOTT AMA
- SANTA CRUZ AMA
- TUCSON AMA
New Resources

Agricultural Program Webpage

Industrial Program Webpage

Municipal Program Webpage
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Link to Governor’s Water Council Webpage:  https://new.azwater.gov/gwaicc
Committee Updates:

• **Long-Term Water Augmentation Committee**
  * Finance Subcommittee findings/report; Daniel Dialessi of the Water Infrastructure Finance Authority on the Water Supply Development Fund; Potential Water Storage Sites on Arizona State Trust Land & accompanying guide.

• **Desalination Committee**
  * Findings of legal/regulatory subcommittee. Tasked to resolve any remaining legal questions at upcoming Committee meeting

• **Post-2025 AMAs**
  * Timeline and Strategy to address 3 selected Issue Briefs and Solutions Phase

Other Agenda Items Included:

• Presentation from Speaker Rusty Bowers on the Drought Mitigation Revolving Fund by Speaker Rusty Bowers

• Discussion of Additional Management Periods
  * Previously Introduced Legislation (SB1512) – Representative Gail Griffin
  * ADWR Proposal (2018) – Chair, Director Tom Buschatzke

The Council last met on July 15, 2021 (Meeting Recording)
Next Council Meeting is scheduled for **September 16, 2021, from 10am – 12pm**

* See link to Council Meeting Webpage for WebEx Login:
  * https://new.azwater.gov/gwaicc/meeting/governor%E2%80%99s-water-augmentation-innovation-and-conservation-council
Non-AMA Groundwater Committee – Representative Gail Griffin and Jamie Kelley

• Last met on December 10, 2020 (Meeting Recording)
  • Presentation by the Department’s Chief Counsel on Irrigation Non-Expansion Areas (INAs)
  • Presentation by Representative Cobb on introduced legislation for establishing Rural Groundwater Management Areas

• Next Meeting is TBD

Desalination Committee – Henry Day (replaced Philip Richards)

• Last met on March 25, 2021 (Meeting Recording)
  • The legal and regulatory subcommittee presented a summary of their findings and discussion. Regulatory Background & Summary of Discussion Link

• Next meeting is August 26 from 10am-noon
Committee Updates

• **Long-Term Water Augmentation Committee – Wade Noble**
  
  • Last met on August 3, 2021 ([Meeting Recording](#))
  
  • Presentation by ADWR Senior Research Hydrologist, Keith Nelson, on Enhanced Aquifer Recharge.
  
  • Plan to continue the conversation around potential for recharging stormwater/flood runoff in subsequent meetings
  
  • Next meeting is TBD

• **Storage Sites Subcommittee** met on February 26, 2021 ([Meeting Recording](#))
  
  • Committee provided input on the Potential Water Storage Sites on State Trust Land, required by HB 2249. This report is set to be submitted by September.
  
  • The committee has provided comments on the Draft Guide to Underground Water Storage Site Selection and staff is now working on finalizing this document. ([Draft Guide to Underground Water Storage Site Selection Link](#))
Committee Updates

• Post-2025 AMAs Committee – Warren Tenney & Cheryl Lombard (replaced Timothy Thomure)
  • The Committee has met twice since the July 15th
  • Committee co-chairs selected 3 Issue Briefs to focus efforts on: Groundwater in the Assured Water Supply Program (June 22); Unreplenished Groundwater Demand (Aug 10); Hydrologic Disconnect (Sep 9)
    • June 22nd Committee meeting – Groundwater in the Assured Water Supply Program (Meeting Recording)
    • Aug 10th Committee meeting – Unreplenished Groundwater Demand (Meeting Recording)
  • Oct-December; fine-tune most realistic strategies and solutions
  • Next meeting is September 9th from 1-3pm
  • At next Council meeting (Sep 17) Co-Chairs plan to brief the Council on the presentations they heard on the above 3 issues and summarize the ensuing discussions/potential strategies raised
Thank you!

Jenna Norris  
Council Coordinator  
jnorris@azwater.gov  
Office Phone: 602-771-5262

John Riggins  
Statewide Planning Manager  
jrriggins@azwater.gov  
Office Phone: 602-771-4782

ADWR Website: https://new.azwater.gov/  
ADWR Phone: 602-771-8500

Link to ADWR Contacts: https://new.azwater.gov/adwr/contact-us
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Management Plans Update

Prescott AMA GUAC Meeting
August 18, 2021

Maggie Martin
Management Plans Specialist
Status and Timeline of 5th Management Plans
A.R.S. § 45-563 (A)

“The director shall develop a management plan for each initial active management area for each of five management periods... and shall adopt the plans only after public hearings... The plans shall include a continuing mandatory conservation program... designed to achieve reductions in withdrawals of groundwater.”
Estimated 5MP Timeline

new.azwater.gov/5MP

2020: Development
- Work Group, Subgroups, & Stakeholder Outreach
- Data Analysis
- Develop Concepts to Increase Conservation
  - Update Existing Programs
  - Design New Programs

2021: Drafting
- Build out Concepts developed in previous phase
  - Regulatory Language
  - Feedback from GUACs/AMAs re: Customization & Implementation
- Draft Narrative & Background
- Develop Data Tools

2022: Adoption
- Publication of initial drafts
- Presentation to GUACs for recommendations
- Promulgation processes
  - Hearing & Public Comment
  - Findings & Adoption
  - Noticing of Conservation Requirements
Drafting Logistics

- All 5 Fifth Management Plans are being drafted simultaneously
  - Structure will largely match across AMAs
  - Time for AMA Customization
- MPWG Subgroups have reconvened as needed to review draft regulatory language

➤ Goal: Publication of Initial Drafts in early 2022
### Agricultural Best Management Practices Program

#### Recommendations:
- Updates to the List of Approved BMPs
- Update to Points Targets

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<th>New BMPs</th>
<th>Updated BMPs</th>
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*Updated List of Approved Best Management Practices (Appendix 4B)*
* Allotment based program
* Allows multiple IGFRs under the same owner/operator to combine reporting/allotments
* Will include a "cut to the aquifer" percentage reduction of the total combined allotment.
* Draft legal language available:
  * Draft 5MP Agricultural Regulatory Language
### Municipal Non-Per Capita Program

#### Fourth Management Plans

<table>
<thead>
<tr>
<th>Service Connections</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Number of categories that BMP points must be earned from</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 5,000</td>
<td>1</td>
<td>3</td>
<td>0 – 1,000</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1,001 – 5,000</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>5,001 – 30,000</td>
<td>2</td>
<td>8</td>
<td>5,001 – 30,000</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>30,001 +</td>
<td>3</td>
<td>15</td>
<td>30,001 +</td>
<td>4</td>
<td>20</td>
</tr>
</tbody>
</table>

#### Fifth Management Plans Proposal

<table>
<thead>
<tr>
<th>Tier</th>
<th>Required Number of BMP Points</th>
<th>Number of categories that BMP points must be earned from</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15</td>
<td>2 or more categories</td>
</tr>
<tr>
<td>2</td>
<td>28</td>
<td>3 or more categories</td>
</tr>
<tr>
<td>3</td>
<td>26</td>
<td>4 or more categories</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>5 or more categories</td>
</tr>
</tbody>
</table>
Municipal GPCD Program

Total Volume (AF)
4MP GPCD Requirements & Proposed 5MP GPCD Requirements

GPCD Requirement will be the default unless:
Default < Minimum → Minimum
Default > Maximum → Maximum

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Default</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>• The provider’s previous year</td>
<td>• 3-year rolling average</td>
<td>• 5-year rolling average</td>
</tr>
<tr>
<td>GPCD requirement minus 1%</td>
<td>of GPCD minus 1%</td>
<td>of GPCD</td>
</tr>
</tbody>
</table>
Goals

* Reduce Withdrawals of Groundwater
* Equitable
* Incorporate Realistic Practices
* Transparency/Simplicity

Final Golf Conservation Structure

* 3 Components:
  * Allotment Method
  * Allotment Additions
  * Effluent Adjustment
## Industrial – Non-Golf Turf Conservation Program

<table>
<thead>
<tr>
<th>Category</th>
<th>Application Rate (AF/Acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prescott</td>
</tr>
<tr>
<td>Turf</td>
<td>4.17</td>
</tr>
<tr>
<td>Low Water Use Landscaped Area</td>
<td>0.74</td>
</tr>
<tr>
<td>Total Water Surface Area</td>
<td>5.5</td>
</tr>
</tbody>
</table>
* Department held a public meeting detailing and discussing issues and proposals on July 14, 2021.
  * Potential proposals would simplify the programs and reduce regulatory burden while meeting the goals of the program and maintaining sound water management practices
  * ADWR staff is currently considering the feedback received from stakeholders.
5MP Concepts Webpage

https://new.azwater.gov/5MP/plans-concepts

5TH MANAGEMENT PLANS CONCEPTS

As ADWR and the 5th Management Plans Work Group proceed in the development of the 5th Management Plans, concepts and stakeholder comments related to 5MP conservation programs will be made available below. Meeting links are provided, to provide additional context for the concept. Any questions or comments on these concepts can be sent to managementplans@azwater.gov.

AGRICULTURAL SUBGROUP

INDUSTRIAL SUBGROUP

TURF BREAKOUT GROUP

MUNICIPAL SUBGROUP
Management Plan Promulgation

Promulgation Order

Hearing

Summary of Findings Published
- Potential for rehearing or review

Final Order of Adoption

Management Plan becomes Effective

Notices of Conservation Requirements are mailed

Conservation Requirements become Effective

- 30-60 days
- 30 days
- 2 weeks in newspapers
- within 30 days
- > 2 years

Comment Period
Questions?

Maggie Martin
mmartin@azwater.gov

Management Plans Work Group:
new.azwater.gov/5MP

Concepts page:
https://new.azwater.gov/5MP/plans-concepts

Full Text of Management Plans:
new.azwater.gov/ama/management-plans

For questions about meetings or to submit comments:
managementplans@azwater.gov
1. Call to Order – Welcome & Introductions - Chair
2. Webinar Logistics – Kennedy Shepard, ADWR
3. GUAC Chair Announcement – Chairman Chris Marley, Prescott GUAC
4. Prescott AMA Groundwater Monitoring – Aaron Stolley, ADWR
5. Groundwater Withdrawal Fee Recommendation & WMAP
   a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Kyle Miller, ADWR
   b. Discuss and recommend to ADWR Director groundwater withdrawal fee rates for reporting year 2022 - Council
6. ADWR Director Report – Kyle Miller, ADWR
7. GWAICC Updates – Jenna Norris, ADWR
   Jenna will provide the council with an update on GWAICC activities and progress.
8. Management Plans Update – Maggie Martin, ADWR
   Maggie will provide updates on the 5th Management Plan Workgroup and Subgroups activities.
9. Call to the Council – Council
10. Call to the Public – Chair
11. Adjournment – Chair
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