

MADERA

ESTABLISHED 1893

COUNTY

HEART OF CALIFORNIA



Outline

Background

Past, Present, Future Timelines

Corrective Actions

Challenges

Annual Report Letter



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Background

7 GSAs in the Madera Subbasin

- City of Madera GSA
- County of Madera GSA
- Gravelly Ford Water District GSA
- Madera Irrigation District GSA
- Madera Water District GSA
- New Stone Water District GSA
- Root Creek Water District GSA

4 GSP in the Madera Subbasin

- Joint GSP with a combined acreage among four GSAs of approximately 325,000 acres
- Gravelly Ford Water District GSA GSP with approximately 8,400 acres
- New Stone Water District GSA GSP with approximately 4,200 acres
- Root Creek Water District GSA GSP with approximately 9,600 acres



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Madera Subbasin GSPs Timeline

- **January 2020** – Four GSPs submitted with an incomplete coordination agreement
- **October 2020** – Four GSPs submitted again with a completed coordination agreement
- **September 2022** – DWR finds GSPs “incomplete”
- **March 2023** – Revised GSPs submitted
- **December 2023** – DWR finds GSPs “adequate” with a letter outlining 6 suggested corrective actions



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2024 Plan Amendment/Periodic Evaluation Timeline

- **October 2024** – Draft Plan Amendment under review by Joint GSP GSA staff
 - Update at County GSA board
 - Public Workshop?
- **November 2024** –Draft Plan Amendment under review by public
 - Update at County GSA board
 - Public Workshop?
- **January 2025** – Submit Plan Amendment and Periodic Evaluation to DWR



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DWR GSP(s) Adequacy Determination Corrective Actions

1. GSP Adoption

What DWR said: All GSAs must adopt the GSPs

As of October 2024:

- All GSAs have adopted a GSP



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DWR GSP(s) Adequacy Determination Corrective Actions

2. Coordination

What DWR said: Coordination among GSAs must continue

As of October 2024:

- GSAs have continued to coordinate through technical staff
- GSAs have come to consensus regarding data and methodology
- GSAs agree to use the MCSim groundwater model for the subbasin
- GSAs have engaged in multiple rounds of facilitation support services from DWR



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DWR GSP(s) Adequacy Determination Corrective Actions

3. Sustainable Management Criteria

What DWR said: More details and explanation on Sustainable Management Criteria must be included, particularly as they apply to groundwater levels, subsidence and water quality

As of October 2024:

- additional modeling is being undertaken
- detailed critical infrastructure interviews have been conducted
- a clear and consistent nexus between groundwater levels and subsidence has been established



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DWR GSP(s) Adequacy Determination Corrective Actions

4. Subsidence

What DWR said: sustainable management criteria regarding land subsidence need to be revised

As of October 2024:

- additional work has been completed to describe the significant and unreasonable conditions the GSAs are managing the Subbasin to avoid
- refinement of the percent of representative monitoring sites that constitute an undesirable result
- document the critical infrastructure interviews
- development of a max cumulative subsidence rate
- describe PMAs that will be implemented to minimize or eliminate subsidence



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DWR GSP(s) Adequacy Determination Corrective Actions

5. Hydrologic Conceptual Model

What DWR said: Clarify the uncertainty in the hydrologic conceptual model

As of October 2024:

- Significant work has been done to update the MCSim Groundwater model
- Subsidence modeling package is added



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DWR GSP(s) Adequacy Determination Corrective Actions

6. Water Quality

What DWR said: Revise Sustainable Management Criteria to better address water quality.

As of October 2024:

- all GSA technical leads agreed to adopt the Joint GSP key constituents and MT approach
- text has been added to better describe specific water quality degradation that the GSP is trying to avoid



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Current Challenges

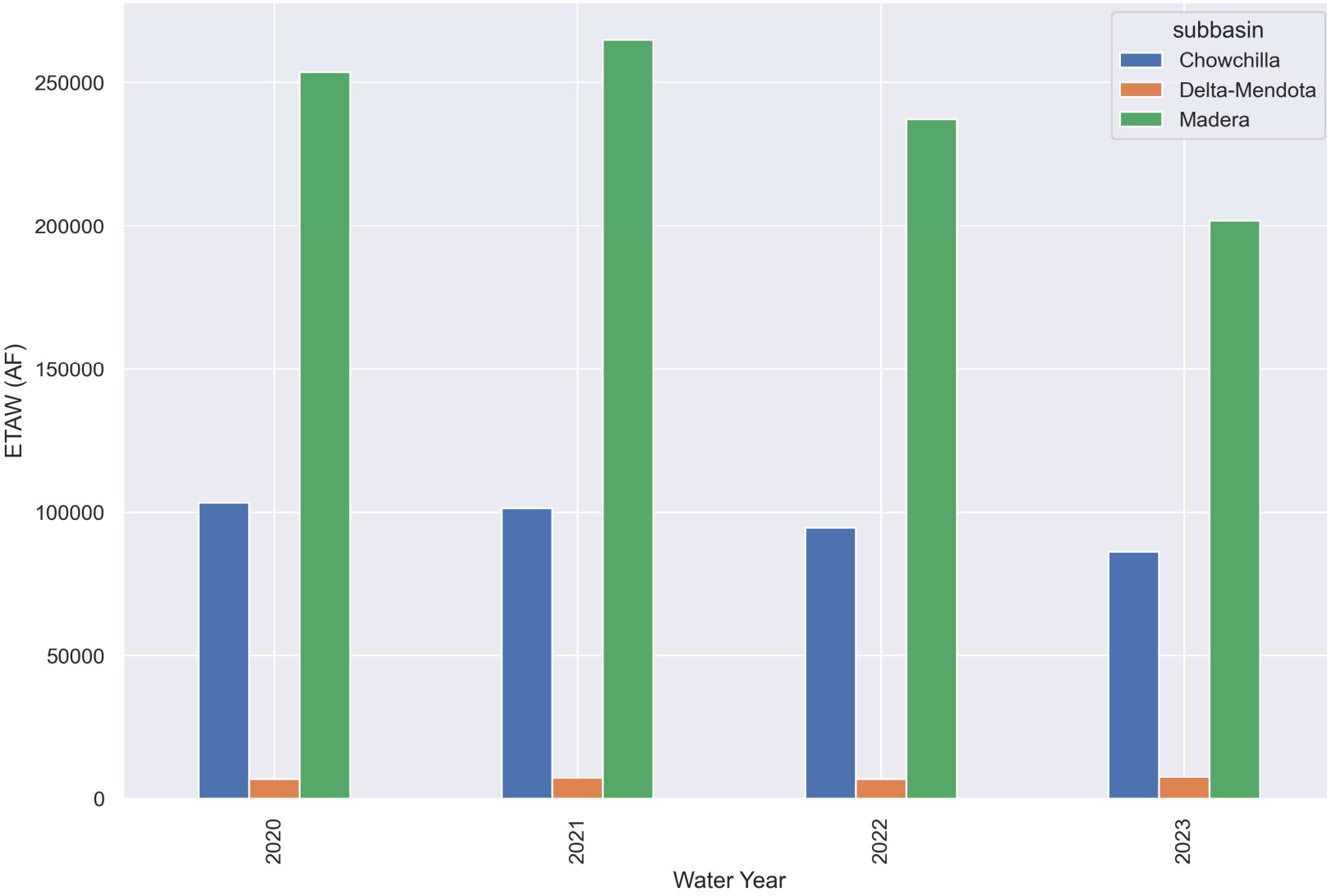
- Madera County Demand Management seems undervalued and misunderstood, though it seems to be working
- Funding Challenges haven't impacted demand management
- Coordination Agreement
- Domestic Well Mitigation rules
- Public Meetings
- Cost Sharing Agreement



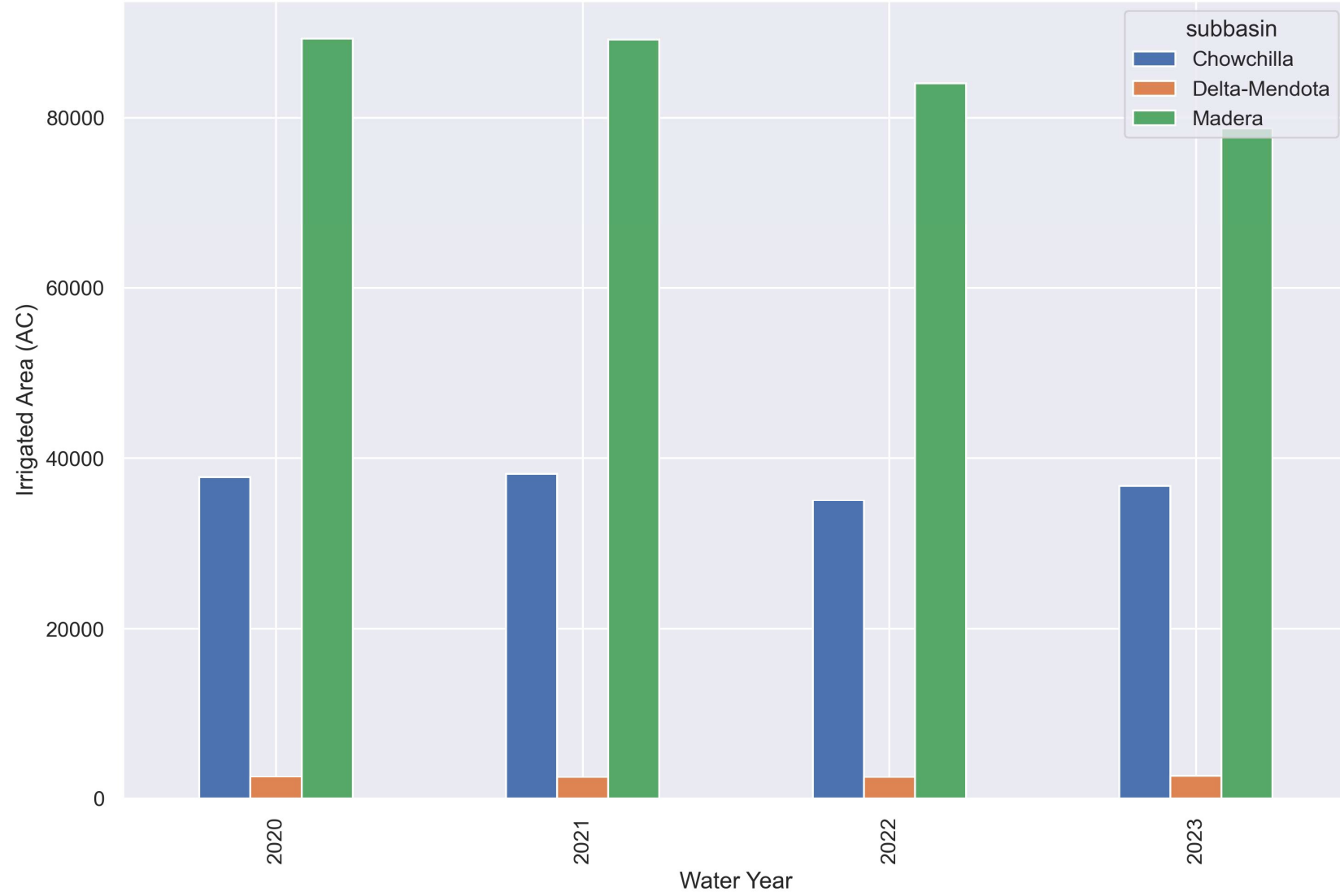
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ETAW (AF) within County GSAs



Irrigated Area within County GSAs (Irrigated if ETAW >= 12 IN)





Annual Report Letter

First feedback on annual reports

Feedback included

- request for more information on projects

- request for more information on management actions

- consolidation of four annual reports into one document



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