



UPDATE: Review and Update of Aquifer Storage Models for the Groundwater Management Zones in the Santa Ana Watershed

Basin Monitoring Program Task Force Meeting

September 22, 2026

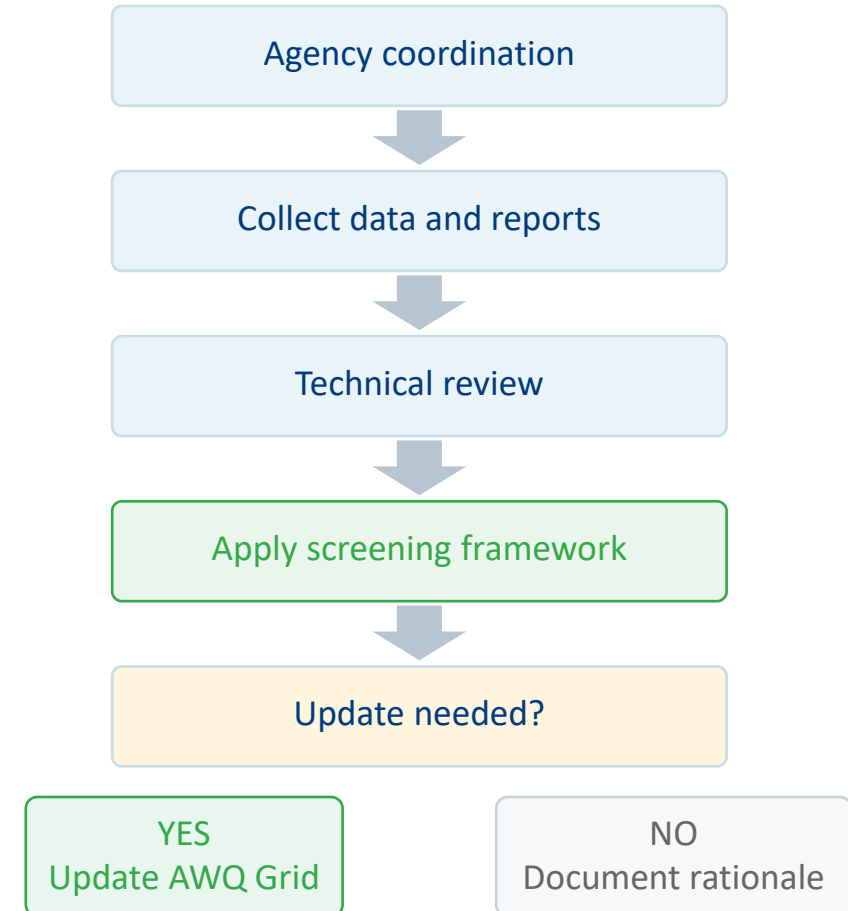
Schedule to Review and Update GMZ Aquifer Storage Models

	26-Jul	26-Aug	26-Sep	26-Oct	26-Nov	26-Dec	27-Jan	27-Feb	27-Mar	27-Apr	27-May	27-Jun	27-Jul	27-Aug	27-Sep
Task 1. Coordinate with Agencies and Compile and Review Information			T1	T1											
Task 2. Update GMZ Aquifer Storage Models						F2									
Task 3. Recompute AWQ for 1973 Objective Setting Period for GMZs with New Aquifer Storage Model										TF3	TF3				
Task 4. Recompute AWQ for 2021 for GMZs with New Aquifer Storage Model										TF4	TF4				
Task 5. Prepare Technical Memorandum														TM	TM
Task 6. Meetings and Project Management	TFM		TFM		TFM		TFM		TFM		TFM		TFM		TFM
Notes: T1 – Task 1 table documenting the agency coordination, data collected and reviewed, screening framework, and the rationale and decisions to update GMZ aquifer storage model. Task Force will provide review, feedback and approval before initiation of Task 1. F2 – Figures prepared at the end of Task 2 that compare the historical and updated aquifer properties of each GMZ. Task Force will provide review, feedback and approval before initiation of Task 3. TF3 – Task Force review period for table and figures prepared in Task 3 presenting the Objective Setting 1973 AWQ determinations with the old Phase 2A aquifer storage model and updated aquifer storage model. TF4 – Task Force review period for table and figures prepared in Task 4 presenting the 2021 AWQ determinations with the old Phase 2A aquifer storage model and updated aquifer storage model. TM – Task Force review period of Technical Memorandum TFM - Task Force Meeting															

Task 1 – Screening Framework for Updating Aquifer Storage Models

Screening Criteria

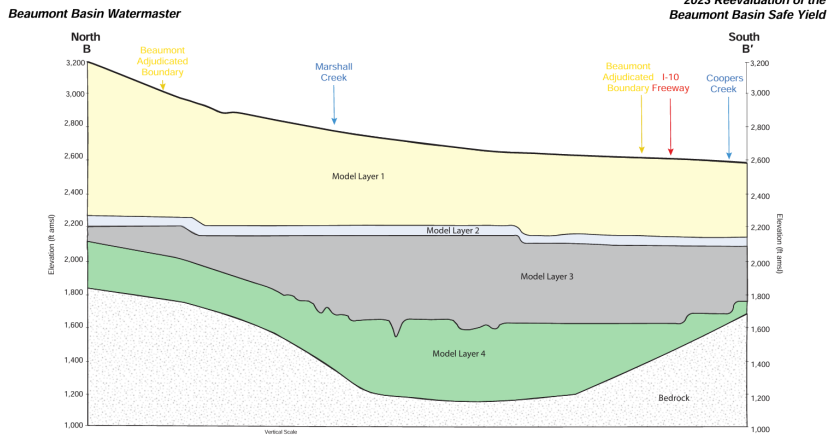
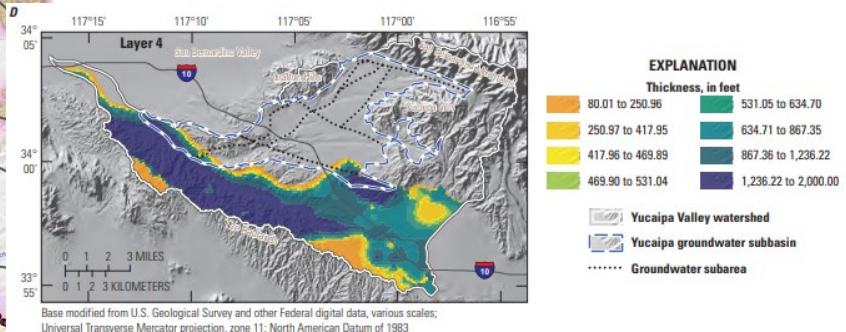
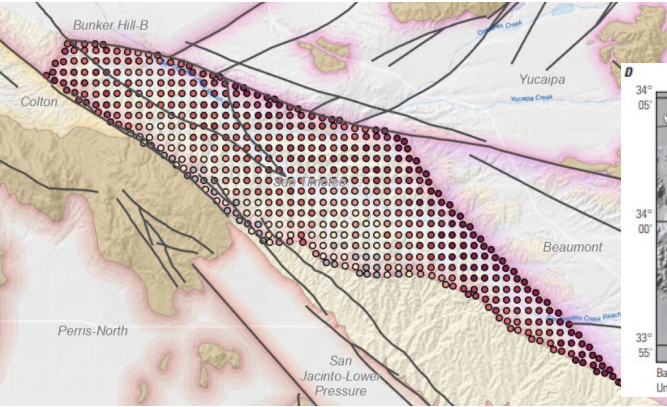
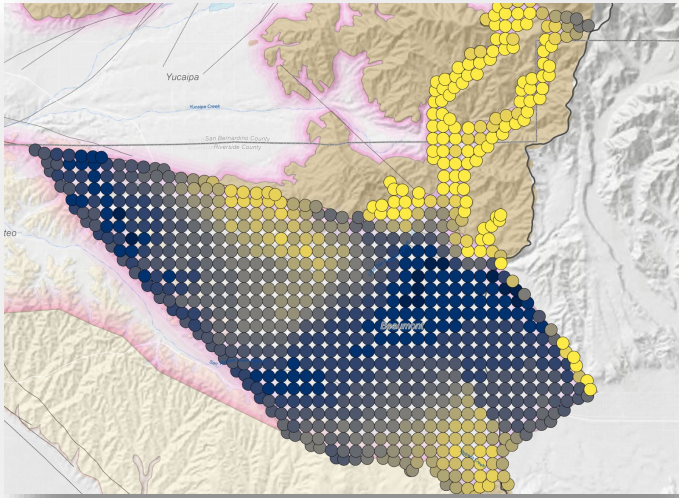
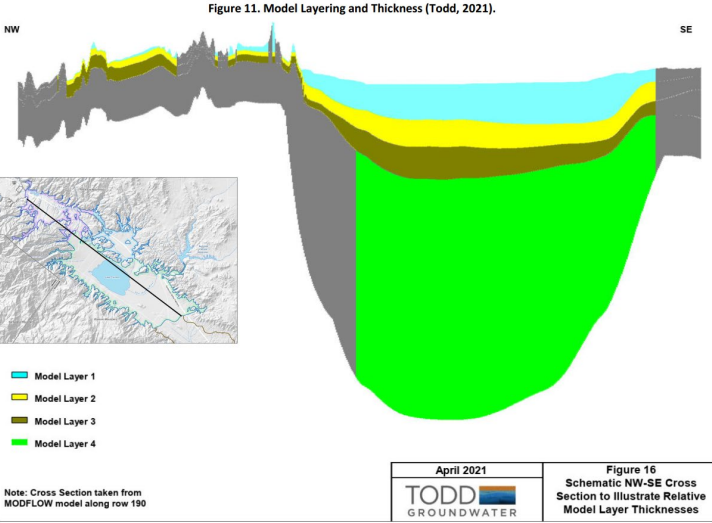
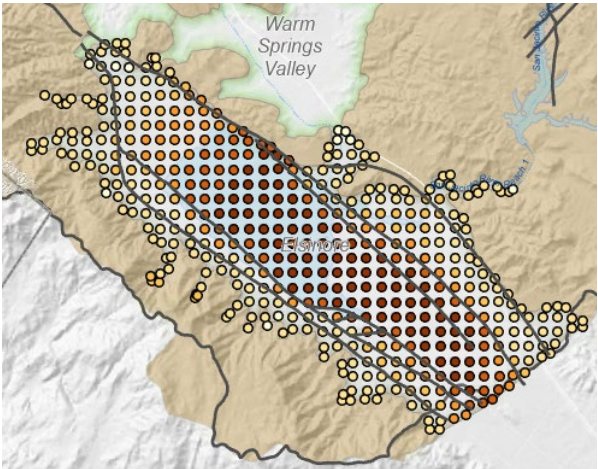
- 1 New information since 2000**
Have hydrogeologic data and conceptual models been developed to better characterize aquifer geometry and properties?
- 2 Relevance to AWQ storage model**
New hydrogeologic data and conceptual models changes the interpretation of aquifer bottom, thickness, specific yield, extent, or layering.
- 3 Data usability and coverage**
Digital format preferred; sufficient coverage across the GMZ or clear basis for extending/interpreting partial coverage.
- 4 Technical defensibility**
Information is documented and considered appropriate for use in AWQ computations. Task Force to review screening table before initiating Task 2 updates.



Task 1 Deliverable: Table documenting the agency coordination, data collected, screening framework, and the rationale to update GMZ aquifer storage models.

Meeting with Agencies August/September 2026 on Updates

- Preliminary Review of Known Updates to GMZ Hydrogeologic Data

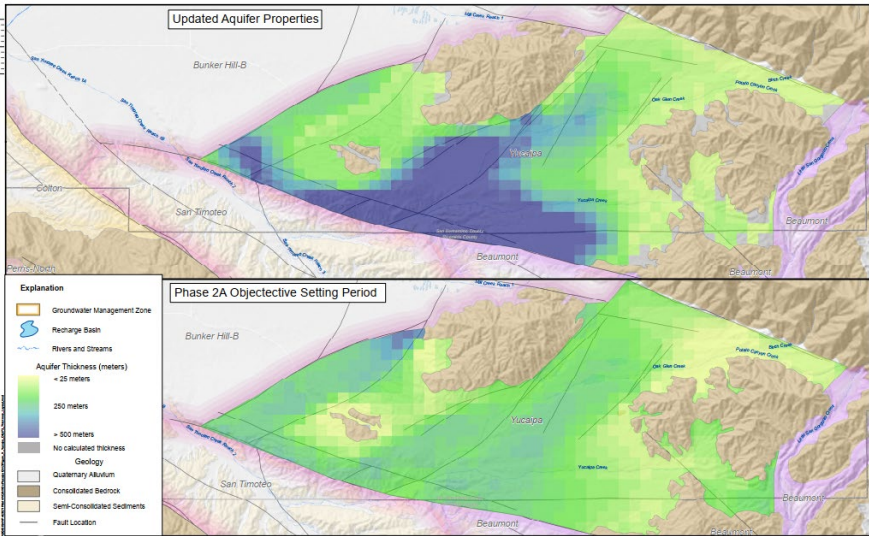


Task 1 Table – Review

Review and Update AWQ Aquifer Storage Models for GMZs - Task 1 Coordination with Agencies and Screening and Recommendations for Updates to AWQ Aquifer Storage Model in Task 2										
GMZ	Consultant Lead ^(a)	Agency	Updated Model Since 2000	Most Relevant Model Update	Update to Model Layers	Update to Top/Bottom of Aquifer	Update to Specific Yield	Updated Modeling in Progress (Y/N), if yes, Anticipated Completion Date	Relevancy of Anticipate Model update to Storage Model	Recommendation to Proceed to Task 2 to Update GMZ Auiger Storage Model
San Jacinto Basins										
Canyon	SWS	Eastern Municipal Water District	Yes	SJFM-2020 Update	Yes	Yes	Yes	Yes 2028	EMWD suggest moving forward with 2020 model	Yes
San Jacinto Upper Pressure										
San Jacinto Lower Pressure										
Hemet South										
Lakeview/Hemet North										
Perris North										
Perris South										
Menifee										
Beaumont/Yucaipa Plain										
Beaumont	SWS	Beaumont Cherry Valley Water District, Yucaipa Valley Water District, San Gregonio Pass Agency	Yes	2023 Reevaluation of the Beaumont Basin Safe Yield (TH&Co, 2025)	Yes	Yes	Yes	No	N/A	Yes
San Timoteo	WY	City of Beaumont, Yucaipa Valley Water District	Yes	USGS Yucaipa Integrated Hydrologic Model (YIHM, 2022)	Yes	Yes	Yes	No	N/A	Yes
Yucaipa	WY	Yucaipa Valley Water District	Yes ^(b)	--	--	--	--	--	--	N/A ^(b)
San Bernardino Basin										
Lytle	SWS	San Bernardino Valley Water District	Yes ^(c)	--	--	--	--	--	--	N/A ^(c)
Bunker Hill-A										
Bunker Hill-B										
Rialto	SWS	San Bernardino Valley Water District	Yes	Joint Groundwater Model for the Rialto-Colton Groundwater Basin based on Integrated Model (ISARM) (Geoscience)	Yes	Yes	Yes	Yes December 2026	SBVWD suggest moving forward with ISARM as significant changes to aquifer properties are not expected in model update.	Yes
Colton										
Riverside and Arlington Basins										
Riverside-A										

Next Steps:

- **September 15, 2026** – Distributed Task 1 Screening Table
- **Sept 15th – Oct 6th** – Task Force review period
- **Mid October** – Initiate Task 2
 - Collect data files
 - Review and meet with agencies as needed
 - Update AWQ storage model
 - Prepare graphics of the updated AWQ storage models



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Task 2. Update GMZ Aquifer Storage Models						F2

THANK YOU

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