MEETING NOTICE AND AGENDA

TECHNICAL ADVISORY COMMITTEE OF THE SEASIDE BASIN WATER MASTER

DATE: Wednesday October 8, 2025

MEETING TIME: 1:30 p.m.

THE TECHNICAL ADVISORY COMMITTEE MEETING WILL BE CONDUCTED BY TELECONFERENCE.

YOU MAY ATTEND AND PARTICIPATE IN THE MEETING AS FOLLOWS:

JOIN FROM A PC, MAC, IPAD, IPHONE OR ANDROID DEVICE (NOTE: ZOOM APP MAY NEED TO BE DOWNLOADED FOR SAFARI OR OTHER BROWSERS PRIOR TO LINKING) BY GOING TO THIS WEB ADDRESS:

https://us02web.zoom.us/j/88130139056?pwd=RWVtfICq8Vn5FV5TDaz2puTuDdbPQT.1

If joining the meeting by phone, dial this number:

+1 669 900 9128 US (San Jose)

If you encounter problems joining the meeting using the link above, you may join from your Zoom screen using the following information:

Meeting ID: 881 3013 9056

Passcode: 594060

TAC Member Teleconferencing Information is on the Next Page

OFFICERS

Chairperson: Jon Lear, MPWMD

Vice-Chairperson: Kim Shirley, City of Del Rey Oaks

MEMBERS

California American Water Company | **City of Del Rey Oaks** | **City of Monterey**

City of Sand City | **City of Seaside** | **Coastal Subarea Landowners**

Laguna Seca Property Owners | **Monterey County Water Resources Agency**

Monterey Peninsula Water Management District

There is currently no business that the TAC needs to conduct in November, so the next regular meeting is planned for Wednesday December 10, 2025 at 1:30 p.m.

TAC MEMBER TELECONFERENCING INFORMATION

``	ENTITY	LOCATION
Amy Woodrow	Monterey County Water Resources Agency	5 Carriage Way, Durham, NH.
Kim Shirley	City of Del Rey Oaks	4 Baxter Place, Del Rey Oaks, CA
Andreas Baer	City of Seaside	Engineering Trailer, 440 Harcourt Avenue Seaside, CA
David Pezzini	California American Water	511 Forest Lodge Rd. Suite 100 Pacific Grove, CA
Cody Hennings	City of Monterey	Monterey Public Library, Solarium Conference Room, 625 Pacific Street, Monterey, CA
Jon Lear	Monterey Peninsula Water Management District	5 Harris Court, Bldg. G, Monterey, CA
Leon Gomez	City of Sand City	City Hall in Sand City, 1 Pendergrass Way, Sand City, CA 93955
Paul Bruno	Coastal Subarea Landowners	192 Healy Ave, Marina, CA
Eric Tynan	Laguna Seca Subarea Landowners	11499 Geil Street Castroville, CA

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	2.A
AGENDA TITLE:	Approve Minutes from the August 13, 2025 Meeting
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

Draft Minutes from this meeting were emailed to all TAC members. Any changes requested by TAC members have been included in the attached version.

ATTACHMENTS:	Minutes from this meeting
RECOMMENDED ACTION:	Approve the minutes

D-R-A-F-T
MINUTES

Seaside Groundwater Basin Watermaster
Technical Advisory Committee Meeting
August 13, 2025

Attendees: TAC Members

City of Seaside – No Representative
California American Water – David Pezzini
City of Monterey – Cody Hennings
Laguna Seca Property Owners – No Representative
MPWMD – Jon Lear
MCWRA – Amy Woodrow
City of Del Rey Oaks – No Representative
City of Sand City –Leon Gomez
Coastal Subarea Landowners – No Representative

Watermaster
Technical Program Manager-Bob Jaques

Others
Montgomery & Associates – Georgina King
SVBGSA – Sarah Hardgrave
MCWD – Patrick Breen
MPWMD – Maureen Hamilton

The meeting was convened at 1:34 by Chair Lear.

8. Public Comments
There were no public comments.

9. Administrative Matters:

A. Approve Minutes from the July 9, 2025 Meeting
On a motion by Mr. Pezzini, seconded by Mr. Gomez, the minutes were unanimously approved as presented, with Ms. Woodrow abstaining as she had not attended that meeting.

B. Sustainable Groundwater Management Act (SGMA) Update
Mr. Jaques summarized the agenda packet materials for this item. There was no other discussion.

C. Clarification Regarding July 9, 2026 Seawater Intrusion Model Presentation
Mr. Jaques summarized the agenda packet materials for this item. There was no other discussion.

10. SVBGSA Deep Aquifers Monitoring Plan
Ms. Woodrow made a PowerPoint presentation describing the Deep Aquifers Monitoring Plan for the Salinas Valley Basin. A copy of her presentation slides is attached. She reported that MCWRA is

drafting this plan in collaboration with other entities. She noted that the deep aquifers are present in the Seaside groundwater basin in the form of parts of the Paso Robles, Santa Margarita, and Purisima formations. Mr. Lear noted that some of these are only present in the northern part of the Seaside basin.

Ms. Woodrow went on to say that she is hopeful of having the deep aquifers managed as a whole - across all of the subbasins within which the deep aquifers are found. She noted that the Seaside Groundwater Basin Watermaster is already performing all of monitoring that needs to be done for the reporting needs of the deep aquifer monitoring plan. Ms. King asked Ms. Woodrow for a list of the monitoring wells located within the Seaside basin that are included in the deep aquifer monitoring plan and Ms. Woodrow said she would provide that to her.

Isotope sampling is done in some instances to determine the age of the water in the formations. Testing for tritium was used to see if the water is older or newer than around 1953. Mr. Lear clarified that this enables you to tell whether the water is from an old or a recent recharge.

Ms. Hardgrave said that there were Measurable Objectives and Minimum Thresholds established in the GSP's for the deep aquifers. She went on to say that they will be reevaluating those in the future.

11. Preliminary Draft Updated Seawater Intrusion Response Plan

Mr. Jaques introduced the item and Ms. King made a PowerPoint presentation on it. Copies of her slides are attached.

Induction logging since 2007 suggests that an increase of about 1,000 mg/L total dissolved solids has been observed at a depth of about 200 feet at Sentinel Well No. 4. This would correlate to approximately a 250 mg/L increase in chloride. Mr. Lear pointed out that you cannot tell why the levels are increasing, i.e. is the increase due to intruded water moving downward from the dunes sand, or coming in from the north, or from some other source.

Ms. King asked if for Indicator No. 5, should we use three years or five years? Mr. Jaques and Ms. Woodrow felt that three years rather than five years would be better to enable response to begin sooner.

Ms. King asked if the group was supportive of changing the time frames to simply read "as soon as possible". Mr. Jaques said he supported this and no one else objected, so that revision will be incorporated.

The Pumping Redistribution Plan is being broken into two parts: Part 1 is the proactive part (before seawater intrusion is identified) and Part 2 is the reactive part (after seawater intrusion has been identified).

A rough cost estimate of between $70K to $80K would be required to do the Part 1 work.

Mr. Jaques said he supported the Preliminary Draft Seawater Intrusion Report Update as presented, and recommended that it be sent to the Board for its review and discussion. On a motion by Mr. Pezzini, seconded by Ms. Woodrow, this recommendation was unanimously approved.

12. Approve Monitoring and Management Program (M&MP) for FY 2026

Mr. Jaques summarized the agenda packet materials for this item. There were no questions or other discussion. On a motion by Ms. Woodrow, seconded by Mr. Pezzini, the TAC unanimously approved the proposed Monitoring and Management Program with Mr. Lear abstaining on the advice of his legal counsel.

13. Approve the FY 2026 Monitoring and Management Program (M&MP) Operations and Capital Budgets

Mr. Jaques summarized the agenda packet materials for this item. There were no questions or other discussion. On a motion by Ms. Woodrow, seconded by Mr. Pezzini, the TAC unanimously approved the proposed Monitoring and Management Program with Mr. Lear abstaining on the advice of his legal counsel.

14. Schedule

Mr. Jaques commented that obtaining more of the electronic logging data for wells for use by Geophysical Imaging Partners to analyze the data from their subsurface imaging was still in progress.

8. Other Business

There was no other business.

The meeting adjourned at 3:06 p.m.

MONITORING PLAN FOR THE DEEP AQUIFERS

TECHNICAL ADVISORY COMMITTEE OF THE SEASIDE BASIN WATERMASTER

AUGUST 13, 2025

Today's presentation

- Review background and purpose
- Introduce the Monitoring Plan for the Deep Aquifers

BACKGROUND AND PURPOSE

Background and purpose

- **April 2024** – Publication of the Deep Aquifers Study that was prepared for the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) and collaborative funding partners
- **September 2024** – Presentation on the Deep Aquifers Study to the County of Monterey Board of Supervisors.
- **Fall 2024 to present** – Deep Aquifers Working Group meetings to discuss monitoring and management of a regional program
  - County of Monterey, Marina Coast Water District GSA (MCWDGSA), Monterey County Water Resources Agency (MCWRA), and SVBGSA
  - MCWRA tasked with developing a Monitoring Plan for the Deep Aquifers ("Monitoring Plan")

Background and purpose

- The Deep Aquifers cover a large geographic space that is managed by multiple entities.
- The Deep Aquifers need to be managed as a whole, though management actions may be different according to each region's needs.
- Consistent and compatible monitoring will help ensure that management actions are right-sized for each region of the Deep Aquifers.

Background and purpose

- MCWRA is gathering input as part of developing the Monitoring Plan
  - Recommendations from the Deep Aquifers Study are foundational to the Monitoring Plan
- Input sought from:
  - Deep Aquifers Working Group
  - SVBGSA Groundwater Technical Advisory Committee
  - Representatives from MPWMD
  - Seaside Basin Watermaster TAC

Background and purpose

- The Monitoring Plan addresses
  - *Groundwater Extraction and Injection Reporting*
  - *Groundwater Elevation Monitoring*
  - *Groundwater Quality Monitoring*
  - *Assessment of the Monitoring Networks*

GROUNDWATER EXTRACTION AND INJECTION REPORTING

Groundwater extraction and injection monitoring

- **Historical data collection**
  - Extraction data for Monterey County Water Resources Agency (MCWRA) Zones 2, 2A, and 2B
    - Monthly data beginning in 1993
    - Wells with 3-inch discharge pipe or greater
  - Extraction and injection data for Seaside Subbasin
    - Monthly data

Groundwater extraction and injection monitoring

- **What's in the Monitoring Plan**
  - Groundwater extraction reporting to MCWRA for all subbasins within the SVBGSA's jurisdiction for non-de minimis wells (i.e., less than 5 connections)
    - Consistent with MCWRA Ordinance No. 5426, adopted in October 2024, will largely achieve the recommended action for areas outside the Seaside subbasin.
  - Groundwater extraction and injection data available from MPWMD for the Seaside Basin
  - Annual reporting of monthly extraction and/or injection amounts on a Water Year basis

GROUNDWATER ELEVATION MONITORING

Groundwater elevation monitoring

- **Data collection overview**
  - Collected by MCWRA, Marina Coast Water District GSA (MCWDGSA), and Seaside Basin Watermaster
  - Varying frequency of data collection, but at least quarterly at all wells
  - Includes 80 wells across the entire Deep Aquifers extent

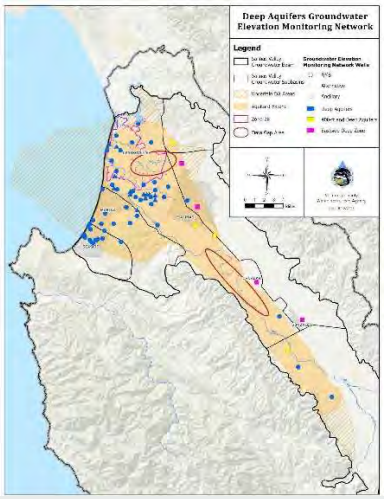
Groundwater elevation monitoring

- Three categories of sites for the monitoring network
  - **Representative Monitoring Sites (RMS)**
    - *Intended to represent Deep Aquifers conditions.*
  - **Alternative Monitoring Sites**
    - *True[1] Deep Aquifers wells that supplement RMS for development of groundwater elevation contours.*
  - **Ancillary Monitoring Sites**
    - *Not true Deep Aquifers wells but will supplement RMS well data.*

[1] "True" meaning that the well is screened only in the Deep Aquifers.

GROUNDWATER ELEVATION NETWORK IN THE MONITORING PLAN

- ✓ Network contains 80 existing or proposed wells
- ✓ Implements the recommended well categorization (RMS, Alternative, and Ancillary)
- ✓ 5 of 7 data gaps identified in the Deep Aquifers Study have been filled



Groundwater elevation monitoring

- **Monitoring frequency**
  - Monitoring frequency increased for two wells in recommended network
  - Wells installed since the Deep Aquifers Study were added to daily or quarterly monitoring
  - Some newly installed wells or planned wells are not yet monitored

Monitoring Frequency	Number of Wells in Monitoring Plan
Daily	7
Monthly	59
Quarterly	8
Annually	0
Not yet monitored	6
TOTAL WELLS	**80**

Groundwater elevation monitoring

- **Monitoring methods**
  - Continuous monitoring with pressure transducer or well bubbler
    - Telemetry will be selectively utilized based on well location and site conditions
  - Manual measurements with electronic sounder, steel tape, or sonic water level meter

GROUNDWATER CHEMISTRY AND QUALITY MONITORING

Groundwater chemistry and quality monitoring

- **Data collection overview**
  - Sample collection by MPWMD for the Seaside Basin Watermaster, MCWRA, and MCWDGSA is anticipated
    - MCWRA will request data from all entities to consolidate data for the Deep Aquifers
  - Sampling locations throughout the extent of the Deep Aquifers
  - Different monitoring frequencies and constituents
    - Sampling will occur at least annually
    - Frequency may be adjusted based on risk of seawater intrusion and constituents of concern previously found.

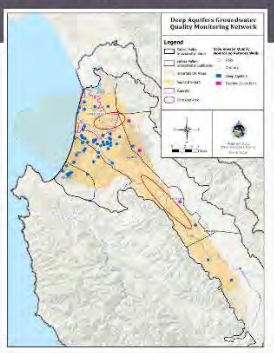
Table 7-2. Groundwater Quality Monitoring Frequency and Constituents

	MCWRA	SWRCB DDW	Seaside Watermaster	ILRP
Purpose	Monitor seawater intrusion	Drinking water quality	Monitor seawater intrusion	Monitor discharge of wastes from commercial irrigated lands
Primary Constituents	General minerals (major cations/anions), total alkalinity, chloride, nitrate, conductivity, and pH	Title 22 constituents	General minerals (major cations/anions)	Nitrate, pesticides, nitrate as nitrogen or nitrate + nitrite as nitrogen, 1,2,3-trichloropropane, pH, specific conductance, temperature, total dissolved solids, and general minerals
Frequency	At least annually	At least quarterly	Biannually	Irregular
Geographic Area	Primarily northwest of Salinas	All drinking water systems of 15+ connections	Seaside Subbasin and Monterey Subbasin	Agricultural lands

GROUNDWATER QUALITY MONITORING FREQUENCY AND CONSTITUENTS

Groundwater chemistry and quality monitoring

- **Monitoring network**
  - Includes 64 wells
  - Excludes any wells not fully screened in the Deep Aquifers



Groundwater chemistry and quality monitoring

- Wells added to the groundwater elevation monitoring network should be sampled at least once to establish baseline conditions.
  - Include major cations and anions, arsenic, nitrate, iron, and manganese.
  - Re-sample every 5 years if:
    - *No exceedances of Title 22 standards (drinking water well) or ILRP standards (agricultural well) or*
    - *Well is a dedicated groundwater elevation monitoring well.*
  - If notable changes are detected in a production well, increase to annual sampling.
- Evaluate new production wells for potential addition to the groundwater quality monitoring network.

Groundwater chemistry and quality monitoring

- **Induction logging recommendation**
  - Annual induction logging of Deep Aquifers wells in the seawater intruded area if a groundwater sample cannot be collected for laboratory analysis.

Groundwater chemistry and quality monitoring

- **Isotope sampling**
  - Collect baseline samples for the new monitoring wells added to the water quality monitoring network.
  - Collect stable isotope data every 3 to 5 years from RMS wells in the Deep Aquifers.
    - Align frequency with periodic assessment of long-term trends.

DATA GAPS AND NETWORK ASSESSMENT

Filling data gaps

- **Two data gaps are currently identified in the Monitoring Plan.**
  - A structure to define and agree upon the timing and funding for installing additional monitoring wells is a work in progress.

Assessment of Monitoring Networks

- The Deep Aquifers groundwater monitoring networks will be evaluated annually by MCWRA to identify possible well replacement needs or other data issues.
  - *Identifying replacement wells or resolving data issues will occur collaboratively with affected Monitoring Entities.*
- As new wells are added to a monitoring network, MCWRA will update the Monitoring Plan and notify all partner Monitoring Entities.

Next Steps

- The Monitoring Plan is a deliverable for the SVBGSA's Round 1 SGMA Implementation Grant in late 2025.

Next Steps

- The Monitoring Plan is a deliverable for the SVBGSA's Round 1 SGMA Implementation Grant in late 2025.
  - Input or questions on the Monitoring Plan may be directed to Amy Woodrow at WoodrowA@countyofmonterey.gov

Seaside Groundwater Basin
Seawater Intrusion Response Plan Update

MONTGOMERY & ASSOCIATES
Water Resource Consultants

Seaside Basin Technical Advisory Committee Meeting
August 13, 2025

Updated Seawater Intrusion Response Plan (SIRP) Content

SECTION 1 Background and Purpose
- 1.1 Introduction and Purpose
- 1.2 Background

SECTION 2 Consistency With Other Documents
- 2.1 Seaside Groundwater Basin Amended Decision
- 2.2 MPWMD 2016 Expanded Water Conservation & Standby Rationing Plan
- 2.3 Contingency Plans for Seawater Intrusion

SECTION 3 Seawater Intrusion Indicators and Triggers
- 3.1 *Indicators of Seawater Intrusion*
  - Indicator 1: Increasing Chloride Concentrations
  - Indicator 2: Decreasing Sodium/Chloride Molar Ratios
  - Indicator 3: Visual Inspection of Cation/Anion Ratios
  - Indicator 4: Chloride Concentration Map
  - Indicator 5: Induction Log Results
  - Other Factors
- 3.2 *Contingency Plan Triggers*

SECTION 4 Proactive Action – Part 1 of Pumping Redistribution Plan

SECTION 5 Seawater Intrusion Contingency Actions
- 4.1 Geographic Area Covered by Contingency Actions
- 4.2 Actions Addressing Observed Seawater Intrusion
  - Action 1: Verification
  - Action 2: Declaration of Seawater Intrusion
  - Action 3: Notification
  - *Action 4: Part 2 of Pumping Redistribution Plan*
  - Action 5: Focus Supplemental Supplies to Halt and Reverse Seawater Intrusion

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Update Figures, Tables, and Appendices

- Maps of wells with groundwater quality data
- Maps of wells that are induction logged
- Updated statistical trend analysis for monitoring well chloride concentrations and sodium/chloride molar ratios
- Updated monitoring well anion/cations distribution plots (Stiff and Piper diagrams)
- ~~Include statistical trend analysis for production wells~~

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Incorporate Geophysical Data as a Seawater Intrusion Indicator and Trigger

Regular Induction log results reveals increasing salinity at a depth above the monitoring well screen

Well screen is too deep to sample high salinity zone

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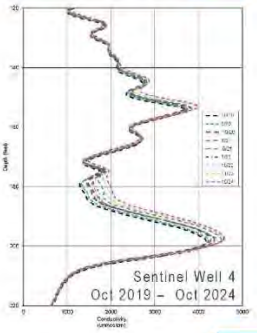
Incorporate Geophysical Data as a Seawater Intrusion Indicator and Trigger

- Conductivity values recorded by induction tool are not a direct measure of chloride
- Increasing conductivity indicates increasing chloride (Indicator 1); estimate increase in TDS of 1,000 mg/L and chloride increase of 250 mg/L since 2007 based on increased conductivity
- A groundwater sample from the increasing zone is needed to assess the other indicators
- Induction log data can be used as an indicator in combination with other indicators



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Seawater Intrusion Indicators and Triggers

2009 SIRP Indicators		2009 SIRP Triggers
Indicator 1: Increasing Chloride Concentrations	• High Chloride Concentrations • Chloride Trend Analysis	1. Chloride concentrations must be higher than the chloride threshold value
Indicator 2: Decreasing Sodium/Chloride Molar Ratios	• Historical Sodium/Chloride Molar Ratios • Sodium/Chloride Molar Ratio Trend Analysis	2. Molar ratios must show a rapid drop, and be below the 0.86 molar ratio
Indicator 3: Visual Inspection of Cation/Anion Ratios	• Piper Diagrams • Stiff Diagrams	3. At least 1 of the following 5 trends or qualitative indicators must be apparent: • The Mann-Kendall statistical trend for chloride concentrations is increasing • Evolution of seawater mixing is observed in Piper diagram(s) • Change of Stiff diagram(s) shape from baseline conditions featuring prominent high chloride spike • Concentration maps indicate increasing chloride concentrations near the coast • Steadily increasing conductivity in induction logging results
Indicator 4: Chloride Concentration Maps	• Increasing coastal chloride concentrations	
Indicator 5: Induction Log Results	• Steadily increasing conductivity over 3 or 5 more years	
Other Factors	• Protective groundwater elevations • Groundwater contour maps • Recharge and extraction volumes	

Contingency Actions Addressing Observed Seawater Intrusion

Action 1: Verification

Action 2: Declaration of Seawater Intrusion

Action 3: Notification

Action 4: Pumping Redistribution Plan (now split into a proactive part that occurs before declaration of seawater intrusion and a reactive part that occurs after declaration of seawater intrusion)

Action 5: Focus Supplemental Supplies to Halt & Reverse Seawater Intrusion

Required Input from TAC

2009 SIRP included time constraints on actions

- Propose to change time frames to "as soon as possible"
- Changes identified as track changes in the preliminary draft SIRP

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7

Changes to Pumping Distribution Plan

- Part 1 before Seawater Intrusion Declared
  - To be done after basin model is updated
  - Provides water suppliers more time to plan for Part 2 operational changes that need to be implemented quickly if Seawater Intrusion is declared
- Part 2 after Seawater Intrusion Declared

PART 1 OF PUMPING REDISTRIBUTION PLAN

Proactive or advance evaluations to be completed once the Seaside Basin groundwater model has been updated:

- **Identify At Risk well(s) where seawater intrusion might occur**
- **Estimate groundwater conditions that protect production wells**
- **Identify and evaluate each production wells' influence on potential seawater intrusion at each monitoring and production well**

DECLARATION OF SEAWATER INTRUSION

PART 2 OF PUMPING REDISTRIBUTION PLAN

Initiated immediately after the Declaration of Seawater Intrusion

- **Increase monitoring frequency**

Initiated as soon as possible after the Declaration of Seawater Intrusion:

- **Discontinue or substantially reduce pumping the Impacted and At Risk well(s) per Part 1 of the Pumping Redistribution Plan**
- **Perform land-based geophysical surveys to determine how far inland from the Impacted Well the intrusion extends and to help identify sites to install additional monitoring wells, if required**
- **Identify and/or install additional monitoring wells**

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Part 1 of Pumping Redistribution Plan

- Identify At Risk well(s) where seawater intrusion might occur
  - Conduct particle tracking from monitoring wells instead of along coast as done in 2022 (One Model Run & Analysis ~$20K, assumes predictive scenario is developed as part of a future model update)
- Estimate groundwater conditions that protect production wells
  - Protective elevations already established
- Identify and evaluate each production wells' influence on potential seawater intrusion at each monitoring and production well
  - Using numerical or analytical model to evaluate how much reduction in pumping at specific wells will reduce (slow intrusion down) or reverse (stop advancement) the gradients driving seawater intrusion between potentially Impacted and At Risk wells
  - Develop one or more recommended pumping scenarios that achieve the maximum acceptable gradients between Impacted and At Risk well(s)
  - Multiple Model Runs & Analysis ~$50-60K

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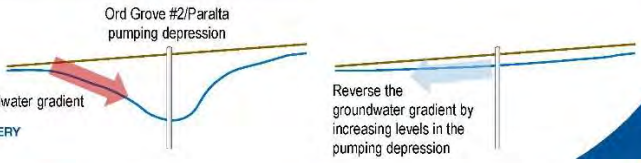
Groundwater Gradients in the Northern Coastal Subarea

Groundwater Gradient in Paso Robles Aquifer



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Part 2 of Pumping Redistribution Plan

- Increase monitoring frequency in Impacted Well and nearby At Risk Wells
- Discontinue or substantially reduce pumping the Impacted and At Risk well(s) per Part 1 of the Pumping Redistribution Plan
- Provided there are nearby wells with lithology and/or water quality to calibrate the survey data, perform land-based geophysical surveys to determine how far inland from the Impacted Well the intrusion extends and to help identify sites to install additional monitoring wells, if required and feasible
- Identify and/or install additional wells to monitor seawater intrusion

MONTGOMERY & ASSOCIATES

Questions

Georgina King, P.G., C.Hg.

gking@elmontgomery.com

MONTGOMERY & ASSOCIATES
Water Resource Consultants

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	2.B
AGENDA TITLE:	Sustainable Groundwater Management Act (SGMA) Update
PREPARED BY:	Robert Jaques, Technical Program Manager

At the State level:
Since the last TAC meeting I have not received anything from the State that impacts the Watermaster.

At the Monterey County level:
Attached are summaries of meetings held in August and September, 2025.

ATTACHMENTS:	Meeting Summaries
RECOMMENDED ACTION:	None required – information only

SUMMARY OF
PURE WATER MONTEREY, AND
SALINAS VALLEY AND
MARINA COAST WATER DISTRICT GROUNDWATER SUSTAINABILITY AGENCY ZOOM MEETINGS
IN AUGUST AND SEPTEMBER 2025

Note: This is a synopsis of information from these meetings that may be of interest to the Seaside Basin Watermaster

There were no meetings in August that contained agenda items impacting the Watermaster.

Monterey Subbasin Implementation Committee Special Meeting – September 25, 2025:

Due to a scheduling conflict I did not attend this meeting. However, there were no items of impact to the Watermaster on the agenda. The agenda items included:

- Selection of the Monterey Subbasin Committee member to be on the SVBGSA Advisory Committee. Two people, Mark Kennedy and Robert Long, who both reside in the Monterey Subbasin, is or was an Advisory Committee member, and is or was a Monterey Subbasin Committee member, submitted applications to fill the Monterey Subbasin seat on the Advisory Committee. Both have an interest in agricultural issues involved in groundwater management. I indicated I had no preference between the two applicants and felt either one would be able to adequately represent the Monterey Subbasin on the Advisory Committee.
- Planning for demand management within the Salinas Valley Groundwater Basin. This is an ongoing topic that has been on the agenda of meetings of all of the subbasin committees for some time and is expected to continue for some time into the future.

*SEASIDE BASIN WATER MASTER TECHNICAL ADVISORY COMMITTEE * * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	3
AGENDA TITLE:	Approve Initial RFSs for Montgomery & Associates, Martin Feeney, and Gus Yates, and Scope of Work for MPWMD for 2026
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY: Attached are the proposed initial contracts for each of the Watermaster's consultants that are expected to work on M&MP activities in 2026. Montgomery & Associates (M&A), Martin Feeney, and Gus Yates are currently working under a master form of agreement with the Watermaster called a "Professional Services Agreement" (PSA). Actual work assignments are made through the issuance of Requests for Service (RFS) under the umbrella language of the PSA. MPWMD is working under a Master Agreement that MPWMD developed in 2021. Rather than RFSs, this new Master Agreement calls for actual work assignments to be made through the issuance of "Scopes of Work" (SOW) under the umbrella language of the Master Agreement.

In the past Gus Yates services have been provided through his employer Todd Groundwater. Mr. Yates recently informed me that he is retiring from Todd Groundwater, but will continue providing hydrogeologic consulting services directly to some of his clients, including the Watermaster. Because of Mr. Yates extensive knowledge of the Seaside Basin and of groundwater issues in much of the Salinas Valley Basin, I have prepared a PSA and an RFS directly for him to continue being able to provide the Watermaster with on-call/as-needed services as he has in the past.

The attached RFSs and the one SOW constitute the proposed initial 2026 work assignments for each of these consultants as follows:

- Montgomery & Associates RFS No. 2026-01 covering their providing general hydrogeologic consulting services and for providing assistance in preparing documents that the Watermaster will need to submit to fulfill its reporting requirements under the Sustainable Groundwater Management Act.
- Montgomery & Associates RFS No. 2026-02 covering their preparing the 2026 SIAR.
- MPWMD SOW No. 2026-01 covering their anticipated 2026 M&MP tasks, and covering their obtaining water quality and water level data from private producers who ask the Watermaster collect this data for them. The costs for the latter work are reimbursed by the private producers, and there is no net cost to the Watermaster for performing that work.
- Martin Feeney RFS No. 2026-01 covering his providing general as-requested hydrogeologic consulting services.
- Gus Yates PSA and RFS No. 2026-01 covering his providing general as-requested hydrogeologic consulting services.

These consultants have reviewed the cost and scope details of these proposed contracts and their input has been included in the attached versions of the contracts. As of the date of preparation of this agenda item I had not heard back from Mr. Lear at MPWMD to receive any final revisions he would like to make to the attached MPWMD SOW, so he may bring up some edits at today's meeting.

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE
**** * * AGENDA TRANSMITTAL FORM * * ****

AGENDA ITEM:	3 (Continued)

If geochemical modeling needs to be performed on Cal Am's desalination plant water in 2026, and if that indicates the need to develop mitigation measures for possible adverse impacts from introducing non-native water into the Basin, I will develop an additional RFS for Montgomery & Associates during 2026 to use the Seaside Basin Groundwater Model to provide information for use in performing that geochemical modeling to develop such mitigation measures.

Also, if it is decided that geophysical imaging near Sentinel Well No. 4 has been able to provide useful information, an RFS for Geophysical Imaging Partners to perform additional subsurface imaging in 2026 can be prepared. Funds for these additional RFSs have been included in the M&MP Operations Budget for 2026. When and if drafted, the RFSs would come to the TAC for approval before going to the Board.

In 2024 Martin Feeney announced that he will no longer be able to manage the induction logging of the four Sentinel Wells located along the coastline in the former Fort Ord. That work was taken over by MPWMD, and their Scope of Work includes this additional work. However, Mr. Feeney said he would remain available to provide when-requested consulting services to the Watermaster.

The TAC is being asked to approve these contracts before they go to the Board for approval at the Board's November meeting. This sequence of approvals will enable the contracts to become effective January 1, 2026.

ATTACHMENTS:	5 - Proposed Consultant Contracts for FY 2026: • Two RFSs – Montgomery & Associates • One RFS – Martin Feeney • One PSA and 1 RFS – Gus Yates • One SOW - MPWMD
RECOMMENDED ACTION:	Discuss and either modify or approve the proposed contracts

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2026

RFS NO. 2026-01
(To be filled in by WATERMASTER)

TO: Georgina King
Montgomery & Associates
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: General hydrogeologic consulting and document preparation services. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2026, and shall be performed in accordance with the Schedule contained in Attachment 2.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: $ 18,478.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____.
WATERMASTER Technical Program Manager

Agreed to by: _____ Date: _____.
PROFESSIONAL

ATTACHMENT 1

SCOPE OF WORK

On an ongoing and as-requested basis, PROFESSIONAL will provide general hydrogeologic consulting services to WATERMASTER on a variety of topics. These may include, but not be limited to interpretation of water level and water quality data collected by WATERMASTER, BMAP and SIRP implementation issues, and preparation of documents for WATERMASTER's use in fulfilling its Sustainable Groundwater Management Act reporting requirements.

Providing these services will likely involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) meetings, most of which will be attended remotely. These TAC meetings do not include special TAC or other meetings which may be required as part of performing other work which may be authorized under other RFSs issued to PROFESSIONAL by WATERMASTER. Any such other scope and cost proposals will incorporate costs for those meetings.

The Tasks in WATERMASTER's 2026 Monitoring and Management Program (M&MP) to which this RFS No. 2026-01 pertains are:

M. 1. c & M.1. d - Preparation and Attendance of Meetings
M. 1. e - Peer Review of Documents and Reports
M.1.g – Sustainable Groundwater Management Act Documentation Preparation

ESTIMATED COSTS

Tasks M.1.c, M.1.d, and M.1.e: General Consulting Services will consist of working on these Tasks and attending some TAC and other meetings either remotely or in-person in Monterey, as requested by WATERMASTER.

$15,220 in labor, travel, and incidental costs of this RFS No. 2026-01 are allocated to performing work on these Tasks.

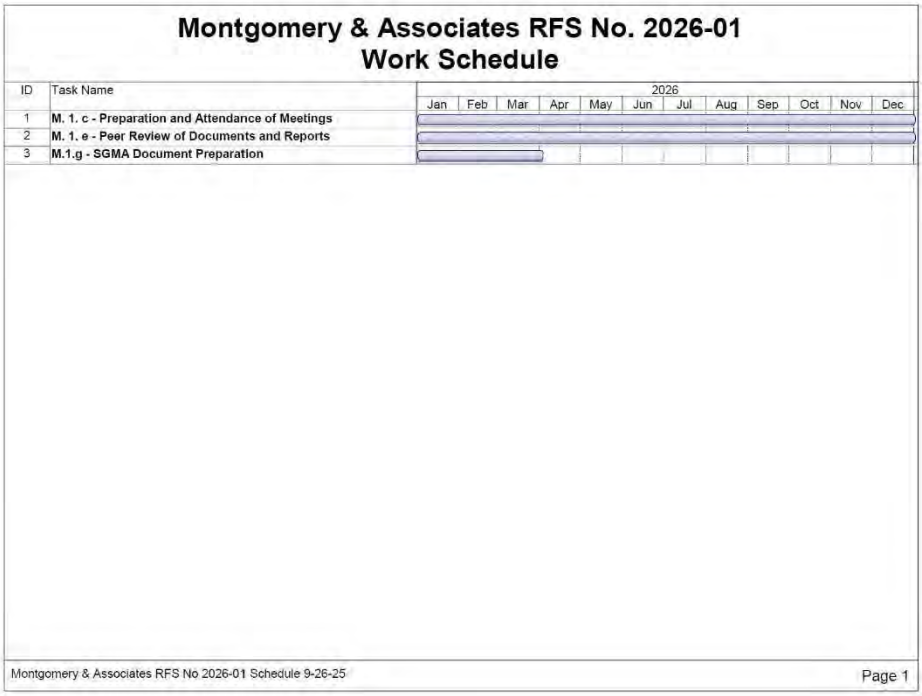
Task M.1.g: Section 10720.8 of the Sustainable Groundwater Management Act (SGMA) requires adjudicated basins to submit annual reports. Most of the documentation that needs to be reported is already generated by the WATERMASTER in conjunction with preparing its own Annual Reports. However, information regarding changes in basin storage is not currently generated. PROFESSIONAL will provide an estimate of the change in basin storage under this RFS No. 2026-01.

$2,694 in labor costs of this RFS No. 2026-01 are allocated to performing work for Task M.1.g.

All work under this RFS No. 2026-01 will be billed at the hourly rates shown in the table below, including all markups and other direct costs. The total cost authorized by this RFS No. 2026-01 is $17,914.00. These costs are summarized in the table below.

Task	Hours			Costs		
	Derrik William	Georgina King	Staff	Consulting Fees	Expenses	Total Costs
	$321/hr	$273/hr	$179/hr			
Prepare 2026 Change in Storage Calculation per SGMA Requirements	0	2	12	$2,694	$0	$2,694
General Consulting	4	40	20	$15,784	$0	$15,784
TOTALS	**4**	**42**	**32**	**$18,478**	**$0**	**$18,478**

ATTACHMENT 2
SCHEDULE



SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: 1/1/2026

RFS NO. 2026-02
(To be filled in by WATERMASTER)

TO: Georgina King
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Prepare the Seawater Intrusion Analysis Report for 2026. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than January 31, 2027, and shall be performed in accordance with the Schedule contained in Attachment 2.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: $ 36,346.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 3 for Detailed Breakdown of Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date:_____.
WATERMASTER Technical Program Manager

Agreed to by: _____ Date:_____.
PROFESSIONAL

ATTACHMENT 1

SCOPE OF WORK

The scope consists of providing professional consulting services to WATERMASTER for preparation of the 2026 Seawater Intrusion Analysis Report (SIAR).

To promote efficiency, much of the text and graphics from the 2025 SIAR will be incorporated directly into the 2026 SIAR.

Preparing the 2026 SIAR will involve analyzing all water quality data at the end of Water Year 2026 (October 1, 2025 to September 30, 2026) and producing semi-annual (2nd and 4th quarters 2025) chloride concentration maps for each aquifer in the Basin. Time series graphs, trilinear graphs, and stiff diagram comparisons will be updated with new data. Second and fourth quarter groundwater elevation maps will also be produced. The annual EM logs will be analyzed to identify changes in seawater wedge locations. A determination of whether there is any evidence of seawater intrusion will be made, and recommendations will be included as warranted.

Water level and water quality data for WY 2026 will be provided to PROFESSIONAL in MS Access format. PROFESSIONAL will put this data into a report format and will include it as an attachment to the 2026 SIAR.

A Draft 2026 SIAR will be provided to WATERMASTER in electronic (not printed) form for review. WATERMASTER will provide its review comments and those of its TAC members through direct discussions with PROFESSIONAL at a TAC meeting which PROFESSIONAL will attend remotely via teleconference or Zoom. In addition to these oral comments, some TAC members may also provide recommended editorial changes electronically directly to PROFESSIONAL. These comments will be addressed in a Final 2026 SIAR. PROFESSIONAL will also present the Final version of the SIAR to the Board at a meeting which PROFESSIONAL will attend remotely via teleconference or Zoom. A PDF and MS Word version of the Final 2026 SIAR will be provided to WATERMASTER. No printed copies of the 2026 SIAR will be required.

ATTACHMENT 2

Montgomery & Associates RFS No. 2026-02
Work Schedule

ID	Task Name	Qtr 1, 2026			Qtr 2, 2026			Qtr 3, 2026			Qtr 4, 2026			
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
1	**I.4.c Annual Seawater Intrusion Analysis Report (SIAR)**													
2	HydroMetrics Provides Draft SIAR to Watermaster											◆ 11/23		
3	TAC Approves Annual Seawater Intrusion Analysis Report (SIAR)												◆ 12/9	
4	Board Approves Annual Seawater Intrusion Analysis Report (SIAR)													◆ 1/6
5														
6														
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Montgomery RFS No 2026-02 Schedule 9-26-25 Page 1

ATTACHMENT 3

DETAILED BREAKDOWN OF ESTIMATED COSTS

Note: Regardless of the use of the term "Estimated Cost" in this RFS, if the work of this RFS is to be compensated for using Lump Sum Payment method, it is understood and agreed to by PROFESSIONAL that the Total Price listed on page 1 of this RFS is binding and limiting as defined in Section V of the Agreement.

2026 Seawater Intrusion Analysis Report

Task	Hours				Costs		
	Georgina King	Nick Byler	Staff	Technical Editor	Consulting Fees	Expenses	Total Costs
	$273/hr	$203/hr	$154/hr	$88/hr			
Prepare 2026 SIAR, including added appendices for groundwater levels and quality	40	60	60	4	$32,692	$0	$32,692
Prepare for and Attend One TAC Meeting and One Board Meeting Online to Present Results of SIAR	10	0	6	0	$3,654	$0	$3,654
TOTALS	**50**	**60**	**66**	**4**	**$36,346**	**$0**	**$36,346**

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2026 **RFS NO.** 2026-01
(To be filled in by WATERMASTER)

TO: Martin Feeney
Martin Blair Feeney
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: Consultation and other hydrogeologic services. See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2026.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: $4,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for derivation of this Total Price).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date:_____.
WATERMASTER Technical Program Manager

Agreed to by: _____ Date:_____.
PROFESSIONAL

ATTACHMENT 1

On an ongoing and as-requested basis, PROFESSIONAL will provide general hydrogeologic consulting services to WATERMASTER on a variety of topics. These may include, but not be limited to, interpretation of water level and water quality data, and seawater intrusion analysis issues. In addition PROFESSIONAL may be asked by the Monterey Peninsula Water Management District (MPWMD) to provide support in performing induction logging of WATERMASTER's Sentinel Wells, work which in the past PROFESSIONAL has performed.

Providing these services may involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) and /or Board meetings, most of which will be attended telephonically or via Zoom.

Consulting services will be provided at the rate of $210/hour. Related other direct costs (such as travel costs) will be billed at actual cost. Services under this RFS No. 2026-01 will only be provided when specifically requested by WATERMASTER.

The total cost authorized by this RFS No. 2026-01 is $4,000.

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: January 1, 2026

RFS NO. 2026-01
(To be filled in by WATERMASTER)

TO: Gus Yates
PROFESSIONAL

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose: See Scope of Work in Attachment 1.

Completion Date: All work of this RFS shall be completed not later than December 31, 2026.

Method of Compensation: Time and Materials (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: $ 4,000.00 (Cost is authorized only when evidenced by signature below.) (See Attachment 1 for Estimated Costs).

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date: _____.
WATERMASTER Technical Program Manager

Agreed to by: _____ Date: _____.
PROFESSIONAL

ATTACHMENT 1

Scope of Work

On an ongoing and as-requested basis PROFESSIONAL will provide hydrogeologic consulting services to WATERMASTER on groundwater modeling and related topics. These may include, but not be limited to, responding to questions regarding the Seaside Basin Model that HydroMetrics WRI and Montgomery & Associates has prepared for WATERMASTER, assisting in the interpretation of modeling results, and other related activities.

Providing these services may involve attending certain of WATERMASTER's Technical Advisory Committee (TAC) meetings, which will normally be attended telephonically or via Zoom.

Estimated Costs

Consulting services provided under this RFS No. 2026-01, including attending meetings either remotely or in-person as requested by WATERMASTER, will be billed at PROFESSIONAL's standard hourly rates for calendar year 2026, including all markups and other direct costs.

The total cost authorized by this RFS No. 2026-01 is $4,000.00.

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT TO PROVIDE PROFESSIONAL SERVICES is made and entered into on _____ by and between SEASIDE GROUNDWATER BASIN WATERMASTER, hereinafter referred to as "WATERMASTER," and Eugene (Gus) Yates Consulting Hydrologist, a sole proprietor, hereinafter referred to as "PROFESSIONAL," as follows:

SECTION I: ADHERENCE TO TERMS OF AGREEMENT

WATERMASTER intends to literally interpret and strictly apply all terms and conditions of this Agreement. All approvals which are required to be in writing must be in writing to be valid and binding. PROFESSIONAL is encouraged to raise to WATERMASTER any questions with regard to interpretation or applicability of any provision of this Agreement before undertaking the work.

SECTION II: ENGAGEMENT

WATERMASTER hereby engages PROFESSIONAL, as an independent contractor to furnish the professional services covered by this Agreement, and the Requests for Service issued under it, in accordance with the terms and conditions set forth below, and PROFESSIONAL hereby accepts such engagement.

SECTION III: WORK ASSIGNMENTS

It is the intent of WATERMASTER and PROFESSIONAL to authorize the performance of work under this Agreement by executing a series of written work assignments setting forth the specific description, scope, and costs of the work to be performed. Such assignments shall be called "Requests for Service" (RFS) and shall be numbered consecutively. Each RFS, upon execution by PROFESSIONAL and by WATERMASTER, shall become and be considered as a part of this Agreement, and all provisions herein shall apply to said RFSs. The RFS form to be used is contained in Attachment A to this Agreement.

SECTION IV: TIME OF PERFORMANCE

A. General - Time is of the essence on the work of the RFSs issued under this Agreement. Therefore, PROFESSIONAL shall perform its services in a timely manner. Specific performance times shall be specified for each individual RFS under this Agreement. PROFESSIONAL shall make every

reasonable effort, including assigning of additional personnel to the work and/or working overtime, to complete the authorized work within these stipulated time periods. The taking of such additional measures to complete the work within the stipulated time periods will not entitle PROFESSIONAL to additional compensation, if the work is being performed under the Lump Sum Payment Method, except as provided for in Section V, Paragraph B.

B. Subcontracted Services - For subcontracted services PROFESSIONAL shall contract for and schedule such services in a timely fashion in accordance with the requirements of the work, and shall be fully responsible for the performance and quality of all work performed by its subcontractors.

C. Extensions of Time - The time of performance established for a particular RFS may be extended at any time prior to completion of the work by mutual agreement in writing between WATERMASTER and PROFESSIONAL.

SECTION V: COMPENSATION

A. General - WATERMASTER and PROFESSIONAL shall negotiate the costs and fees for each specific RFS. The method of payment of said costs and fees shall be either on a lump-sum basis or on a time-and-expense basis. The method of payment will depend on the specific conditions, the scope of work, and the services to be performed for each specific RFS.

B. Projected Cost Overruns Under Time-and-Expense Payment Method - If, at any time in the performance of the work of a specific RFS under the Time-and-Expense payment method, PROFESSIONAL has reason to believe that the costs which it expects to incur to complete the work of that RFS will exceed the total amount authorized for that RFS, PROFESSIONAL shall notify WATERMASTER in writing to that effect. The notice shall:

(1) State the reason(s) why PROFESSIONAL anticipates a cost overrun;

(2) State the estimated amount of additional funds beyond the

total amount currently authorized that will be required to complete the work authorized by the RFS; and

(3) Provide recommendations of how the overrun can be avoided;

If, after such notification, additional funds are not allotted, WATERMASTER will, if required in writing by PROFESSIONAL, terminate the work of that particular RFS pursuant to the provisions in Section VI, TERMINATION.

C. Lump-Sum Payment Method - WATERMASTER may elect to pay PROFESSIONAL a lump sum Total Price amount to be determined for a specific RFS. In addition to this lump sum amount, a Special Services allowance, as defined in this section, may also be established.

1. Lump Sum Total Price - PROFESSIONAL shall perform all work authorized by a lump sum type of RFS for the lump sum Total Price amount. No additional payments for said work will be requested by PROFESSIONAL or authorized by WATERMASTER, unless both parties agree that there is additional work, beyond the scope of services authorized by the RFS, which must also be performed. Before any such additional work is undertaken, WATERMASTER and PROFESSIONAL shall execute a separate amendment to the RFS setting forth the scope and costs of the additional work to be performed.

2. Special Services Allowance - To cover unforseen circumstances, WATERMASTER and PROFESSIONAL may negotiate a Special Services allowance. PROFESSIONAL shall provide WATERMASTER with written notification stating the reasons for requiring the utilization of any or all of the Special Services allowance. No utilization of any portion of the allowance shall occur without the prior written approval of the WATERMASTER. Special Services costs will be charged in accordance with the Time-and-Expense Payment Method as defined in Paragraph D of this section.

D. Time-and-Expense Payment Method - For tasks for which the scope of work is not readily definable, WATERMASTER may elect to pay

PROFESSIONAL on a time-and-expense basis in accordance with the PROFESSIONAL's most current Standard Schedule of Compensation. The hourly rates set forth in the Standard Schedule of Compensation shall be inclusive of all direct and indirect salary costs, overhead, fringe benefits, profit, and other costs, and shall reflect the total hourly charge for each listed job category. Other direct non-salary expenses for the performance of work authorized under the Time-and-Expense Payment Method shall be all identifiable costs directly chargeable to each RFS including, but not limited to: travel and subsistence expenses; work subcontracted to others; reproduction of plans, specifications, reports and other documents; equipment rental; and, drafting and stenographic supplies used in the work. The chargeable rate for automobile mileage for the work to be performed under this Agreement shall be stated in the RFS. Direct non-salary expenses shall be compensated for at their actual cost, unless otherwise stated in the RFS, providing they have been authorized in advance by WATERMASTER. A Total Price, which may not be exceeded without WATERMASTER's prior written approval, will be established for each specific RFS for which this payment method will be used.

F. Terms of Payment - PROFESSIONAL shall invoice WATERMASTER monthly for work completed during the previous month, unless a different invoicing frequency is agreed to by both parties to this Agreement. All invoices shall be due and payable within thirty (30) days of the date of receipt by WATERMASTER, provided all costs included in the invoice are adequately supported by documentation accompanying the invoice. If payment is not made within sixty (60) days of the date of receipt by WATERMASTER, interest on the unpaid balance will accrue beginning with the sixty-first day at the rate of 1.0 percent per month, or the maximum interest rate permitted by law, whichever is the lesser. Such interest shall become due and payable at the time said overdue payment is made.

G. Penalty for Late Performance - The PROFESSIONAL is not responsible for delays in the schedule caused by events outside PROFESSIONAL's reasonable control. However, in the event PROFESSIONAL fails to properly complete work within thirty (30) days of the date such work is due (pursuant to schedules developed in accordance with Section IV of this Agreement), because of events within PROFESSIONAL's reasonable control, WATERMASTER SHALL reduce the total compensation

established for the work of that RFS by ten percent (10%). Said reduction shall be deemed liquidated damages for the untimely performance of work required by this Agreement. PROFESSIONAL shall be deemed to have waived any claim for such amount by reason of his failure to perform in a timely fashion.

SECTION VI: TERMINATION

Notwithstanding the above, WATERMASTER reserves the right to terminate any RFS to this Agreement at any time prior to the completion of the services to be furnished by PROFESSIONAL under said RFS by giving a written Notice of Termination to PROFESSIONAL, in which event WATERMASTER shall pay PROFESSIONAL only for work done and direct costs incurred by PROFESSIONAL under said RFS prior to receipt of such notice of termination. Such costs will include reasonable costs to bring the work to a halt, and costs to deliver to WATERMASTER the documentation described in the following paragraph. Termination of a particular RFS will not affect any other operative RFS.

Upon receipt of a Notice of Termination, PROFESSIONAL shall (1) promptly discontinue all services affected (unless the notice directs otherwise), and (2) deliver to WATERMASTER all data, drawings, specifications, reports, estimates, summaries, and such other information and materials as may have been accumulated by PROFESSIONAL in performing work under this Agreement, whether completed or in process.

Upon termination WATERMASTER may take over the work and execute the same to completion by agreement with another party or otherwise. Any work taken over by WATERMASTER for completion will be completed at WATERMASTER's risk, and WATERMASTER will hold harmless PROFESSIONAL from all claims and damages arising out of improper use of PROFESSIONAL's work.

SECTION VII: WATERMASTER LIABILITY

PROFESSIONAL understands that this Agreement is with WATERMASTER alone, and that none of the members of WATERMASTER are liable for any sums which may be payable hereunder, or for any debts of WATERMASTER.

SECTION VIII: CHANGES

WATERMASTER may, at its discretion and from time to time, revise, correct, or

modify the work to be performed under an RFS. All such changes shall be made formally and in writing to PROFESSIONAL. Upon written acceptance to WATERMASTER, PROFESSIONAL shall comply with such changes. Should PROFESSIONAL determine that said changes will result in an increase or decrease in costs to PROFESSIONAL, these costs shall be evaluated by WATERMASTER and PROFESSIONAL for negotiation as to adjustment in the compensation due PROFESSIONAL, and written agreement as to said adjustment shall be reached between the parties prior to commencement of any work that will cause an increase or decrease in PROFESSIONAL's costs. Any increased costs in excess of the Total Price incurred by PROFESSIONAL prior to execution of a written agreement covering said increased costs shall not be compensable.

SECTION IX: DUTIES OF WATERMASTER

WATERMASTER agrees to perform duties in connection with this Agreement and RFS issued under it as follows:

A. To assist PROFESSIONAL in obtaining any available information concerning location and details of facilities under control of WATERMASTER that may affect the work of an RFS, and to render reasonable assistance to PROFESSIONAL;
B. To examine within a reasonable time so as not to delay the work of PROFESSIONAL, all studies, reports, sketches, drawings, specifications, cost estimates, proposals and other documents presented by PROFESSIONAL to WATERMASTER for such purpose;
C. To give prompt written notice to PROFESSIONAL whenever WATERMASTER observes or otherwise becomes aware of any defect in the work of PROFESSIONAL;

SECTION X: DATA FURNISHED BY WATERMASTER

For the purpose of aiding PROFESSIONAL in the performance of its obligations under this Agreement and RFS issued under it, WATERMASTER shall furnish PROFESSIONAL all relevant data in its possession and shall render all reasonable assistance to PROFESSIONAL in connection with its performance hereunder. WATERMASTER is responsible for the reasonable correctness of data so furnished, but it shall likewise be the responsibility of PROFESSIONAL to apply reasonable caution in its use and interpretation of the data and to promptly advise WATERMASTER of any incorrectness or suspected incorrectness in the data furnished.

WATERMASTER shall provide to PROFESSIONAL in a timely manner all materials, decisions, and direction which are necessary to the progress of the work and which are basically the prerogative of WATERMASTER, but which PROFESSIONAL is not required to determine or provide under the terms of this Agreement.

SECTION XI: RESPONSIBILITIES OF PROFESSIONAL

PROFESSIONAL is engaged to render a professional service only, and any payments made to him are compensation solely for such services as he may render and recommendations he may make in carrying out the work. PROFESSIONAL shall follow professional practices to make findings, opinions, factual presentations, and professional advice and recommendations.

PROFESSIONAL's review or supervision of work prepared or performed by other individuals or firms employed directly by WATERMASTER shall not relieve those individuals or firms of complete responsibility for the adequacy of their work.

PROFESSIONAL shall be responsible for the professional quality, technical accuracy, timely completion, and the coordination of all designs, drawings, specifications, reports and other services furnished by PROFESSIONAL under this Agreement. PROFESSIONAL shall, without additional compensation, correct or revise any errors, omissions or other deficiencies in his designs, drawings, specifications, reports and other services.

PROFESSIONAL shall perform such professional services as may be necessary to accomplish the work required to be performed under this Agreement and in accordance with this Agreement.

Approval by WATERMASTER of drawings, designs, specifications, reports, and incidental engineering work or materials furnished hereunder shall not in any way relieve PROFESSIONAL of responsibility for the technical adequacy of his work. Neither WATERMASTER's review, approval or acceptance of, nor payment for, any of the services rendered under this Agreement shall be construed as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.

PROFESSIONAL shall be and remain liable in accordance with applicable law for all damages to WATERMASTER caused by PROFESSIONAL's negligent

performance of any of the services furnished under this Agreement. The only exception in this regard will be for errors, omissions or other deficiencies to the extent attributable to WATERMASTER, WATERMASTER-furnished data, or any third party not under the control of PROFESSIONAL. PROFESSIONAL shall not be responsible for any time delays in the project caused by circumstances beyond PROFESSIONAL's control.

SECTION XII: SUBCONTRACT

WATERMASTER has entered into this Agreement in order to receive the professional services of PROFESSIONAL. PROFESSIONAL will therefore not make an assignment to a third party of all or any portion of the services required of PROFESSIONAL under this Agreement and RFSs thereto without first obtaining the written consent of WATERMASTER. PROFESSIONAL may, however, make use of the part-time assistance of other experts possessing unique skills, the utilization of which will, in the opinion of PROFESSIONAL, enhance the quality of its service to WATERMASTER under this Agreement provided, however, that any such additional assistants, part-time or otherwise, shall be considered employees of PROFESSIONAL or of PROFESSIONAL's subcontractor(s), and the responsibility for same shall rest with PROFESSIONAL.

SECTION XIII: INDEPENDENT PROFESSIONAL

PROFESSIONAL shall perform the services hereunder as an independent contractor, and nothing herein contained shall be construed to be inconsistent with this relationship or status. The employees of PROFESSIONAL shall not be deemed to be the employees of WATERMASTER, and WATERMASTER shall have no right to control the physical conduct of PROFESSIONAL's employees.

SECTION XIV: USE OF DOCUMENTS

For all work performed under this Agreement and all RFSs thereto, PROFESSIONAL shall provide to WATERMASTER copies of all plans, drawings, specifications, studies, reports, analyses, calculations, and all other work products and supporting documentation developed in the course of performing the work authorized by these agreements. The costs for reproducing, assembling, and delivering said copies of these documents to WATERMASTER shall be considered to have been included in the price for performing each RFS, whether or not specifically stated therein. Unless stated otherwise in the RFS, one paper copy, and an electronic PDF file of each document shall be provided by PROFESSIONAL to WATERMASTER.

WATERMASTER shall have the right, and permission of PROFESSIONAL, to use any such document for any purpose which WATERMASTER deems appropriate. Use of documents for other than their intended purpose shall be at WATERMASTER's risk. WATERMASTER shall hold PROFESSIONAL harmless from all claims and damages arising out of improper use of said documents.

SECTION XV: AMENDMENTS AND SCOPE OF AGREEMENT

WATERMASTER hereby reserves the right to amend the provisions of this Agreement from time to time as may be in the best interest of WATERMASTER. Such amendments, upon acceptance by PROFESSIONAL and by WATERMASTER, shall become and be considered as part of this Agreement, and all provisions herein shall apply to such amendments.

This Agreement constitutes the entire agreement between the parties relative to the subject matters hereof, and no modifications thereof shall be effective unless and until such modifications are evidenced by written amendments, signed by both parties, to this Agreement. There are no understandings, agreements, conditions, representations, warranties, or promises with respect to the subject matter of this Agreement which are not actually contained in the Agreement, except those expressly contained in such written amendments.

SECTION XVI: SUCCESSORS AND ASSIGNS

This Agreement and all amendments thereto shall be binding upon and inure to the benefit of any successors and assigns of the respective parties hereto.

SECTION XVII: ATTORNEYS' FEES

If any legal action is necessary to enforce or interpret the terms or provisions of this Agreement and all amendments thereto, and the respective rights and duties of the parties hereunder, the prevailing party shall be entitled to reasonable attorneys' fees in addition to any other relief to which he may be entitled.

SECTION XVIII: JURISDICTION

This Agreement shall be administered and interpreted under the laws of the State of California. Jurisdiction of litigation arising from this Agreement shall be in this state. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws,

but the remainder of the Agreement shall be in full force and effect.

SECTION XIX: INSURANCE

PROFESSIONAL shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by PROFESSIONAL, his agents, representatives, employees or subcontractors.

A. Minimum Scope and Limits of Insurance

PROFESSIONAL shall maintain the types of insurance with limits no less than those set forth below, and having no deductibles, except as noted.

The coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence Form CG 0001).
2. Insurance Services Office Form No. CA 0001 covering Automobile Liability, Code 1 (any auto).
3. Workers Compensation insurance as required by the State of California and Employer's Liability Insurance.

Required coverage:

1. General Liability Insurance: Combined single limit of $1,000,000 per occurrence and $2,000,000 annual aggregate for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location, or the general aggregate limit shall be twice the required occurrence limit.

2. Automobile Liability Insurance: $1,000,000 per accident for bodily injury and property damage.

3. Employer's Liability Insurance: $1,000,000 per accident for bodily injury or disease. If PROFESSIONAL has no employees, this coverage is not required.

4. Workers' Compensation Insurance: As required by the State of California.

B. Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by WATERMASTER before any work under this Agreement is performed.

C. Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. WATERMASTER, its officers, officials, employees, and volunteers are to be covered as insureds as respects: liability arising out of activities performed by or on behalf of PROFESSIONAL; products and completed operations of PROFESSIONAL; premises owned, occupied or used by PROFESSIONAL; or, automobiles owned, leased, hired or borrowed by PROFESSIONAL. The coverage shall contain no special limitations on the scope of protection afforded to WATERMASTER, its officers, officials and employees.

2. For any claims related to this project, PROFESSIONAL's insurance coverage shall be primary insurance as respects WATERMASTER, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by WATERMASTER, its officers, officials, employees, or volunteers shall be excess of PROFESSIONAL's insurance and shall not contribute with it.

3. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to WATERMASTER, its officers, officials and employees.

4. PROFESSIONAL's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to WATERMASTER.

6. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under Subdivision (b) of Section 2782 of the Civil Code.

E. Acceptability of Insurers

Insurance is to be placed with insurers with a current A. M. Best's rating of no less than A:VII, unless otherwise acceptable to WATERMASTER.

F. Verification of Coverage

PROFESSIONAL shall furnish WATERMASTER with original certificates and amendatory endorsements effecting coverage required by this section. The endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by WATERMASTER before work commences. If this is not possible due to time constraints prior to commencement of work, PROFESSIONAL may initially furnish Certificates of Insurance in lieu of endorsements, as long as the endorsements are provided within forty-five (45) days from the date of execution of this Agreement.

G. Subcontractors

PROFESSIONAL shall include all subcontractors as insureds under its policies or shall furnish separate evidence of coverage and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

SECTION XX: INDEMNIFICATION

PROFESSIONAL shall indemnify and hold harmless WATERMASTER and its officers, officials, employees and agents from and against all losses, claims, demands, payments, suits, actions, recoveries, and judgements of every nature and description brought or recoverable against it or them by reason of any negligent act, negligent error, or negligent omission of PROFESSIONAL, his agents, or employees for work performed under this Master Agreement. The only exception in this regard will be for errors, omissions or other deficiencies to the extent attributable to WATERMASTER, WATERMASTER-furnished data or any third party not under the control of

PROFESSIONAL.

SECTION XXI: WRITTEN NOTICE

Written notice shall be deemed to have been duly served if delivered in person or by mail to the individuals and at the addresses listed below:

A. WATERMASTER: Administrative Officer
Seaside Basin Watermaster
P.O. Box 50512
Pacific Grove, CA 93950

B. PROFESSIONAL: Eugene (Gus) Yates
1655 1st Ave.
Walnut Creek, CA 94597

IN WITNESS WHEREOF, the parties hereto have executed this Agreement consisting of fifteen (13) pages and one (1) Attachment in duplicate on the date hereinabove written.

WATERMASTER	PROFESSIONAL
SEASIDE BASIN WATERMASTER	
By _____	By _____
Technical Program Manager	Eugene (Gus) Yates

ATTACHMENT A
SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: _____ **RFS NO.**_____
(To be filled in by WATERMASTER)

TO: _____ **FROM**:_____

Services Needed and Purpose:

_____
_____
_____
_____

(Provide detailed scope of work description on page A-2, or attach Scope of Work marked "Attachment 1".)

Completion Date:_____ (Attach schedule marked "Attachment 2" if appropriate.)

Method of Compensation:_____(As defined in Section V of Agreement.)

Total Price Authorized by this RFS: $_____(Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____ Date:_____.
WATERMASTER Technical Program Manager

Agreed to by: _____ Date:_____.
PROFESSIONAL

SEASIDE BASIN WATERMASTER
SCOPE OF WORK

Note: The work described in this Scope of Work (SOW) will be performed in accordance with the terms and conditions set forth in the Master Services Agreement for Groundwater Monitoring and Database Services (Agreement) executed between the Monterey Peninsula Water Management District (DISTRICT) and the Seaside Groundwater Basin Watermaster (WATERMASTER), with an effective date of January 1, 2022.

DATE: January 1, 2026

SOW NO. 2026-01
(To be filled in by WATERMASTER)

TO: Jonathan Lear
DISTRICT

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose:
Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2026 (M&MP) (See detailed Scope of Work in Attachment 1).

Schedule:
The work of this SOW No. 2026-01 shall be completed in accordance with the column titled "Schedule" in Table 1 of Attachment 1, and at the frequencies shown in Table 2 of Attachment 1..

Method of Compensation:
Time and Material Payment Method (As defined in Section 6 of the Agreement).

Total Price Authorized by this SOW:
$ 81,506.00 (See Attachment 1 for a Breakdown of this Total Price. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section 6 of the Agreement (Payment of Services).

Requested by: _____ Date:_____.
WATERMASTER

Agreed to by: _____ Date:_____.
DISTRICT

ATTACHMENT 1

Detailed Scope of Work for SOW No. 2026-01

Background:

This SOW No. 2026-01 authorizes DISTRICT to perform certain work on certain of the Tasks described in the WATERMASTER's 2026 M&MP. The Task numbers listed in the first column of Table 1 below correspond to the Task numbers in the 2026 M&MP. The Task numbers listed in the second column of Table 1 correspond to DISTRICT's task numbering system.

The wells from which water level and water quality data are to be obtained are listed below in Table 2.

Table 1. Scope of Work and Costs							
WATERMASTER M&MP Task No.	DISTRICT Task No.	Description	Time (Hours)	Rate	Cost	Comments	Schedule
I.2.b.2	1	**Collect Monthly Water Levels**					
		Collect Monthly Water levels at 18 wells	96	$132	$12,672		Ongoing
I.2.b.2	2	**Collect Quarterly Water Levels**					
		Collect Quarterly Water levels at 8 wells	32	$132	$4,224		Ongoing
I.2.b.3	3	**Collect Quarterly Water Quality Samples**					
		Collect 6 Water Quality Samples Quarterly (24 total Samples)	64	$132	$8,448		Ongoing
		Order bottles and COC to Laboratory	4	$132	$528		
I.2.b.3	4	**Collect Annual Water Quality Samples**					
		Collect 12 Water Quality Samples Annually	16	$132	$2,112		Ongoing
		Order bottles and COC to Laboratory	1.5	$132	$198		
		RMA/Procure Replacement pump and Deploy (replaces one pump)	8	$132	$1,056	Only if necessary	
I.2.a.1	5	**Enter Water Level Data QA/QC**					
		Enter Qa/QC 272 Water Level Measurements Collected by MPWMD	20	$132	$2,640		Ongoing
		Enter Qa/QC 264 Water Level Measurements Reported to Watermaster	20	$132	$2,640		Ongoing
I.2.a.1	6	**Enter Water Quality Data QA/QC**					
		Enter Qa/QC 45 Water Quality Samples Collected by MPWMD	40	$132	$5,280		Ongoing
		Enter Qa/QC 12 Water Quality Samples Reported to Watermaster	16	$132	$2,112		Ongoing
I.2.b.7	7	**Upload Water Level Data to CASGEM**					
		Upload 536 Water Level Measurements to DWR Database	24	$132	$3,168		Ongoing
I.2.b.6	8	**Provide Data Tabulation for SIAR Appendix**					
		Tabulate and Transfer Water Level and Quality Data to Watermaster Consultant	16	$132	$2,112		November-26
I.2.a.1	9	**Respond to Data Requests**					
		Produce Data Requests as Necessary	10	$276	$2,760	Only if necessary	
I.2.b.2	10	**Annual Data Logger Downloads and Data Transfer**					
		Download Loggers Field Work	24	$132	$3,168		
		Transfer data	4	$276	$1,104		October-26
		Exchange logger if not working RMS process (replaces one logger)	4	$132	$528	Only if necessary	
		Answer questions re transferred logs	2	$276	$552	Only if necessary	
		Program and Deploy New Data Logger	2	$132	$264	Only if necessary	
I.2.b.3	11	**Water Quality Sample for Camp Huffman**					
		Air lift samples from Camp Huffman Deep and Shallow	0	$132	$0		Not sampled in 2026
		Air lift samples from Camp Huffman Deep and Shallow	0	$276	$0		
I.2.b.3	12	**Sentinel Well MPWMD Labor**	12	$132	$1,584		October-26
I.2.b.3	N/A	**Administrative Staff**					
		Create Billings and Cut Checks to Water Quality Laboratory	8	$101	$808		Ongoing

Table 1 Labor and Other Direct Costs Summary						
WATERMASTER M&MP Task No.	DISTRICT Task No.	Item	Quantity	Rate	Subtotal	
		Labor (Hours)	423.5	Varies	$57,958	
I.2.b.2	1, 2, 3, 4, and 10	Estimated Fleet Support (Mileage)	850	$ 0.67	$570	
I.2.b.3	12	Pacific Surveys - Sentinel Well Induction Logging	1	$ 13,440	$13,440	
I.2.b.3	3 and 4	Watermaster Standard Panel Laboratory Analysis (Number of Analyses)	39	$ 192	$7,488	
I.2.b.3	11	Air Compressor rental (Camp Huffman)	0	$	$0	Not sampled in 2026
I.2.b.3	3 and 4	Fuel (CO2 Bottle) to run sample pump	10	$ 25	$250	
I.2.b.3	3 and 4	Replacement Low Flow Pump	1	$ 950	$950	Only if necessary
I.2.b.2	1, 2, and 10	Replacement Data Logger	1	$ 850	$850	Only if necessary
		TOTAL			**$81,506**	
		If necessary total =	$6,960			

Note: Fleet Support, Laboratory Fees, Co2 Bottle Exchange, Data Loggers, and Sample Pumps are estimated costs.
Direct costs incurred by District will be passed through to the Watermaster according to the Time and Expense method

Table 2.

Monthly Water Levels

1. MSC - Shallow
2. MSC - Deep
3. Not Used
4. Not Used
5. CDM MW-1
6. CDM MW-2
7. CDM MW-3
8. CDM MW-4
9. Plumas 1990 Test
10. K-Mart
11. MW-BW-08A
12. MW-BW-09
13. Sand City Public Works
14. CAW Granite Construction
15. Cypress Pacific
16. Dand City - Design Center
17. DBO - Target
18. MMP - MM Production
19. PCA West (S)
20. PCA West (D)

Quarterly Water Quality Sampling

1. PCA W (S)
2. PCA W (D)
3. MSC (S)
4. MSC (D)
5. FO 09 (D)
6. Not Used
7. FO 09 (S)

Annual Water Quality Sampling

1. PCA E (S)
2. PCA E (D)
3. Ord Terrace (S)
4. Not Used
5. CAW Del Monte Observation
6. Sand City Public Works
7. Laguna Seca County Park #2
8. York School
9. Laguna Seca Golf New #12
10. Pasadera Main Gate
11. Cypress Pacific
12. MMP - MM Production
13. Camp Huffman (S and D)
    (Sampled every 5 years starting in 2023. Not sampled in 2026)

Quarterly Water Levels

1. SBWM MW-1
2. SBWM MW-2
3. SBWM MW-3
4. SBWM MW-4
5. Camp Huffman (S)
6. Camp Huffman (D)
7. Shea
8. Laguna Seca Driving Range

Water Level Data Reported to Watermaster

1. SNG
2. LSCP
3. Nicolas
4. City of Seaside
5. CalAm

SEASIDE BASIN WATER MASTER TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	4
AGENDA TITLE:	Progress Report on Updating Seaside Basin Groundwater Model
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY: A contract was issued to Montgomery & Associates in late 2024 to develop recommendations for the Watermaster on how best to update, or replace, the Watermaster's existing Seaside Basin Groundwater Model. The attached August 14, 2024 Proposal from M&A (which is the Scope of Work for their contract RFS No. 2024-03), describes the work to be performed in preparing those recommendations.

As the schedule originally envisioned for this work shows, it was expected that this work could be completed in early 2025. However, the ongoing modeling development work being performed by the Salinas Valley Basin Groundwater Sustainability Agency's (SVBGSA) modeling team has taken much longer than originally expected. Consequently, development of recommendations pertaining to the Seaside Basin Groundwater Model has been significantly delayed.

Mr. Pascual Benito, who will be preparing those recommendations recently provided this status report and update. He has not yet started working on the actual memo of recommendations, as the work he has been doing over the last several months has all been focused on supporting the Salinas Valley Integrated Hydrogeologic Model (SVIHM) and Seawater Intrusion (SWI) Model updates and recalibrations. He reported that in their current states, neither of those models is still adequately representing the Seaside subbasin Deep Aquifer, and so improving this is a big part of the work that SVGBGSA will be funding him to continue working on with EKI (MCWD's hydrogeologic consultant) over the next several months. Even the versions he did review were still not finalized and he understands that they are currently wrapping up the modeling reports. So at this point in time he could only provide some preliminary recommendations and an overview of current limitations based on what he knows now about the current versions of the models and their different limitations. However, he was not anticipating being able to provide the finalized formal recommendations until this next round of updates and improvements in the Seaside and Monterey Subbasins is completed.

Given this state of things I told Mr. Benito to wait on preparing his recommendations until the next set of SWI updates and evaluation is completed and he has a better understanding of how well the SWI model can support the Watermaster's needs.

AGENDA ITEM:	4 (Continued)

Mr. Benito said he met with the SVGBGSA modelers on September 25, 2025. Based on the schedule they are working with it looks like this next round of model updates that focuses on improving the performance of the models in the Seaside subbasin area would be finished at end of this year. That would be followed by model documentation during the first two months of 2026. He is now projecting that he could provide us his model update recommendations sometime in early to mid- 2026

ATTACHMENTS:	August 14, 2024 Proposal from M&A
RECOMMENDED ACTION:	None required – information only

MONTGOMERY
& ASSOCIATES
Water Resource Consultants

Groundwater experts since 1984

August 15, 2024

Mr. Bob Jaques
Seaside Watermaster Technical Program Manager
83 Via Encanto
Monterey, CA 93940

SUBJECT: EVALUATE OPTIONS FOR SEASIDE MODEL UPDATE

Dear Mr. Jaques:

Per your request, Montgomery & Associates (M&A) is pleased to provide you with this scope and cost estimate to evaluate options for updating the Seaside Basin model (Model). Since the Model was developed 16 years ago, there is new science and improved understanding of the hydrogeological conceptual model of the Seaside Subbasin that should be incorporated into a model update. The Model has been a critical tool over the years to evaluate the movement of water within the basin, both native groundwater and injected water. There is an increasing need to understand the impacts of projects and management actions in the Seaside subbasin and nearby Monterey and 180-400 Ft Aquifer subbasins on groundwater levels, inter-basin flows, and seawater intrusion.

The last Model update took place in 2018. That update included updating model input data from 2014 to 2017, changing boundary heads based on 1997 Salinas Valley Integrated Ground Water and Surface Model (SVIGSM) results, and recalibrating the Model. No structural changes were made to model layers or other boundary conditions.

Advantages of updating the model now include:

- Incorporating groundwater level data collected since 2017
- Updating boundary conditions based on more recent data collected by neighboring Groundwater Sustainability Agencies (GSA)
- Incorporating work being done by neighboring GSAs in support of the GSP development in the Salinas Valley subbasins. This includes a refined hydrogeologic conceptual model.

There are several different options available to the Watermaster for updating the Model:

1. Update the existing Seaside model with updated data and the revised hydrogeological conceptual models developed by the GSAs, or
2. Adopt and/or adapt one of the other new models. The available models are:
    - Monterey Subbasin Groundwater Flow Model (MBGWFM, aka the EKI model)
    - Salinas Valley Seawater Intrusion Model (SWI Model)
    - United States Geological Survey (USGS) Salinas Valley Integrated Hydrologic Model (SVIHM)

This scope covers an evaluation of different modeling options through a comparison of:

- Model purpose and application
- Model domain extent and coverage of the Seaside subbasin
- Hydrogeologic conceptualization of the Seaside subbasin aquifers in each of the other models
- Model layering and the horizontal and vertical grid discretization
- Whether the models incorporate latest AEM and geological data
- Core model software functionalities (e.g., can the model simulate density dependent sea water intrusion and model software supports local grid refinement)
- Representation of offshore flows
- Relative level of effort needed to update or adapt each model for Watermaster needs
- Model data needs, and ease of future model updates and maintenance
- Other considerations: (such as cost implications for the Watermaster; long-term plans for the EKI model - is it going to be maintained regularly or will it be replaced by the SWI model; whether the new model will be used in place of the existing Seaside Basin model or whether the existing model will continue to be maintained and available to MPWMD to use it in conjunction with the Pure Water Monterey Project; improving the understanding of cross-boundary groundwater flows between the Seaside and Monterey Subbasins.)

Through a comparison of the different models and options, we will prepare a brief technical memorandum (TM) summarizing the pros and cons of each option. We will conclude the TM with recommendations on the path forward for the Watermaster's model update. We will make a

Zoom meeting presentation to the Watermaster's TAC once the TM has been completed to respond to the TAC's questions and comments.

The evaluation will be conducted by Pascual Benito with oversight by Georgina King. The estimated cost of this work is not-to-exceed $10,000 and the TM will be completed by the end of December 2024.

Sincerely,
MONTGOMERY & ASSOCIATES

Pascual Benito, Ph.D.
Senior Hydrogeologist

Georgina King, P.G., C. Hg.
Principal Hydrogeologist

ATTACHMENT 2

Montgomery & Associates RFS No. 2024-03
Work Schedule

ID	Task Name	2025					
		Sep	Oct	Nov	Dec	Jan	Feb
1	**Evaluate Options for Updating the Seaside Basin Groundwater Model**						
2	Watermaster Issues RFS No. 2024-03 to Montgomery & Associates		◆ 10/22				
3	Montgomery & Associates Provides Draft Technical Memor to Watermaster					◆ 1/29	
4	Montgomery & Associates Makes Presentation on the Technical Memo to the Watermaster TAC						◆ 2/12

SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	5
AGENDA TITLE:	Progress Report on Geophysical Imaging Work Near Sentinel Well No. 4
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

Subsurface imaging near Sentinel Well No. 4, where there has been a steady increase in conductivity in the strata between 180 and 200 feet below ground surface, was performed by Geophysical Imaging Partners in July of this year. It was originally expected that their report on this work would have been received by now. However, it has taken them longer to compile the data and prepare the report than originally planned. As of October 1, 2025 they reported to me that the report was under internal review, and the final version of the report is expected to be ready in the immediate future.

In the meantime they provided me a preliminary version of the report, and I will be reviewing and commenting on it over the next several days. Attached is the Preliminary Conclusions section of the report. They cautioned that the conclusions section might change slightly (after internal review) but the body of the preliminary report should remain intact. To save TAC members from having to read the entire preliminary version of the report, and then the final version when it is received, I have only included the Preliminary Conclusions section for today's meeting. The full final version of the report, and a presentation on it by Geophysical Imaging Partners, will be on the agenda for the December TAC meeting.

ATTACHMENTS:	Preliminary conclusions from this work
RECOMMENDED ACTION:	None required – information only

Preliminary Conclusions

This section provides general conclusions and an overall interpretation of the results in terms of the structures observed in the geophysical data. The interpretations are made based on very limited supplementary data. Two geophysical logs (Induction log) and the lithology described in the well completion report for four wells are included on the vertical sections.

The vertical distribution of sTEM resistivities measured during this field event is consistent with a sequence (from surface downward) of:

- Unsaturated sand (dune sands and Aromas Fm.)
- Freshwater-saturated sand • Saltwater saturated sand
- Relatively fine-grained Paso Robles Fm.
- Relatively coarse-grained Paso Robles Fm.
- Underlying Purissima Fm.

The spatial distribution of sTEM resistivities shows a general pattern of increasing resistivity moving inland at most depths. However, the zone of interest (180-200 ft) shows local variations from this pattern, with certain soundings showing relatively lower resistivity values, with the best examples seen in soundings (soundings 6 and 7) to the south and east of MW-4. Due to the heterogeneous nature of the Paso Robles Formation, these variations could be driven by lithologic and/or pore fluid salinity changes. Given the observations at MW-4, it is likely that pore fluid salinity is a contributing factor to the observed pattern, consistent with some level of variable seawater intrusion in this zone.

Within the study area, this pattern did not appear to extend inland further than approximately MW-4. Because MW-4 has a consistent pattern of decreasing resistivity in the zone of interest and sits at the landward edge of the observed pattern in the sTEM results, it is likely that seawater intrusion impacts the areas of notably lower sTEM resistivity values greater than the impacts observed at MW-4. The irregular spatial distribution of this effect would be consistent with seawater intrusion occurring preferentially in higher-permeability pathways within the heterogeneous Paso Robles Formation, such as channel sands.

Soundings further inland (east of Highway 1) were likely impacted by noise from electrical infrastructure but measured notably higher resistivities within the zone of interest, which may suggest that significant seawater intrusion has not yet reached these areas.

SEASIDE BASIN WATER MASTER TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	6
AGENDA TITLE:	Schedule
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:

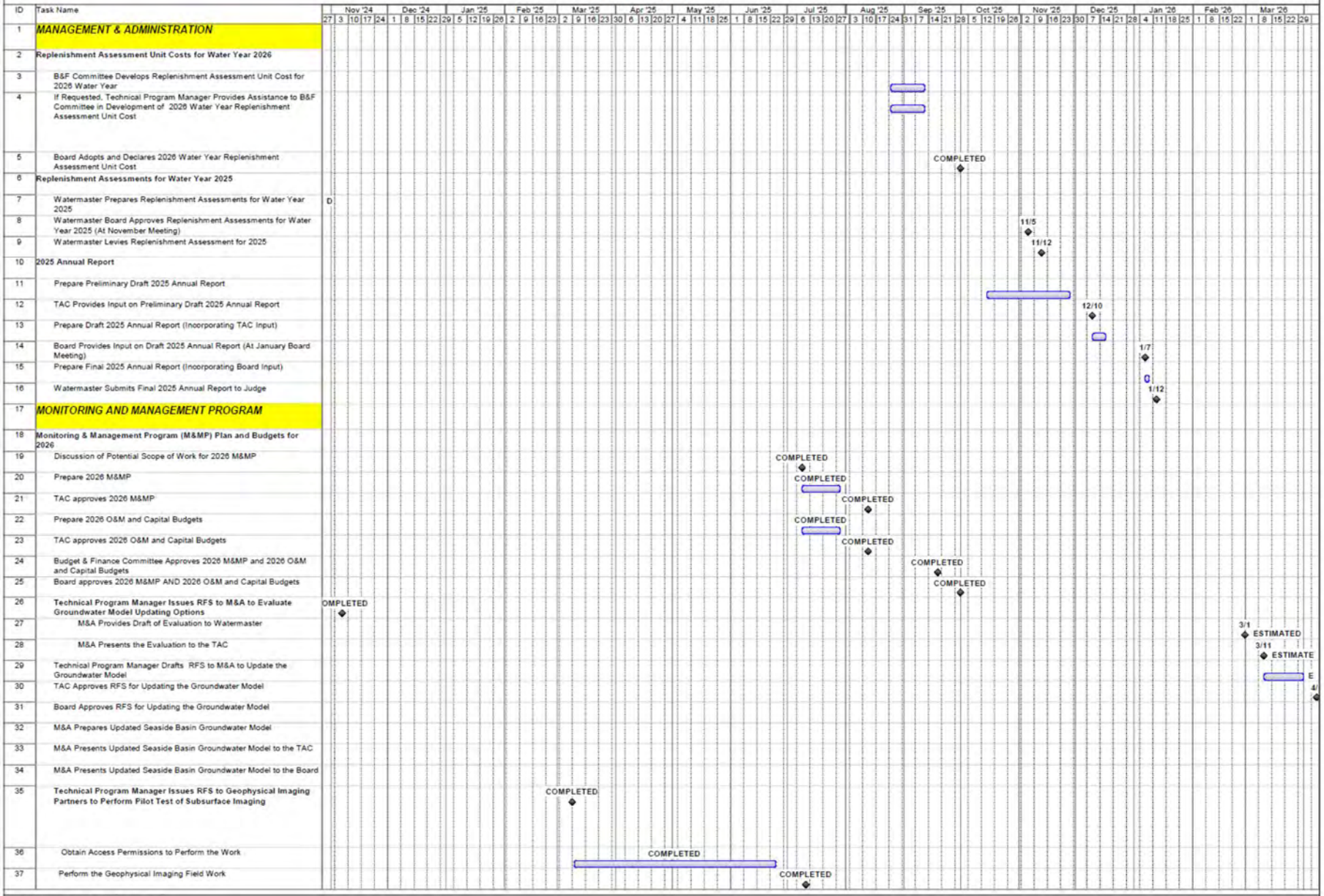
As a regular part of each monthly TAC meeting, I will provide the TAC with an updated Schedule of the activities being performed by the Watermaster, its consultants, and the public entity (MPWMD) which are performing certain portions of the work.

Attached is the updated schedule for 2024 activities.

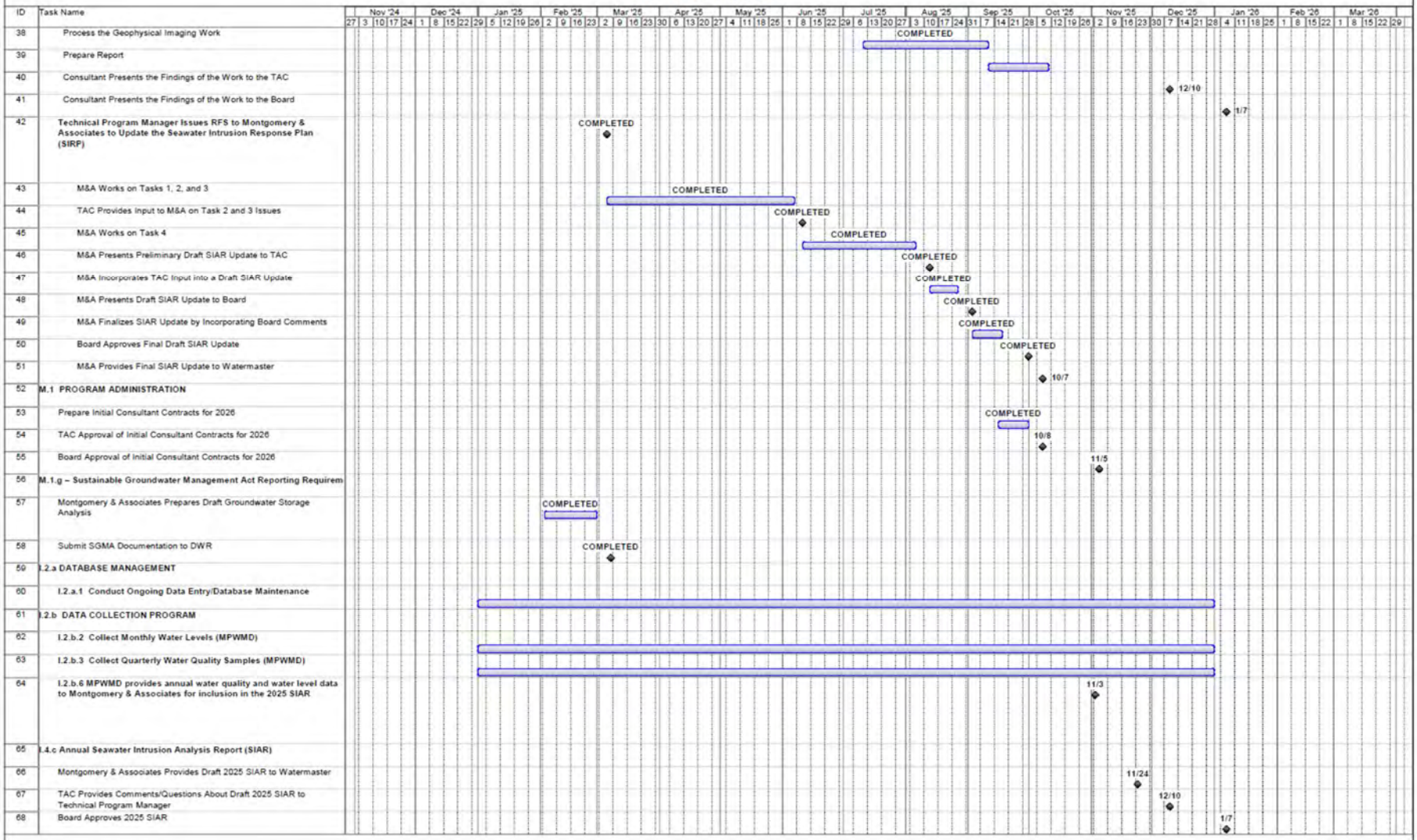
There is no business for the TAC to conduct in November, so the next TAC meeting will be on December 10, 2025

ATTACHMENTS:	Updated Schedule of Work Activities for FY 2025
RECOMMENDED ACTION:	Provide Input to Technical Program Manager Regarding Any Corrections or Additions to the Schedules

Seaside Basin Watermaster
2025 Monitoring and Management Program
Work Schedule



Seaside Basin Watermaster
2025 Monitoring and Management Program
Work Schedule



SEASIDE BASIN WATER MASTER
TECHNICAL ADVISORY COMMITTEE

** * * AGENDA TRANSMITTAL FORM * * **

MEETING DATE:	October 8, 2025
AGENDA ITEM:	7
AGENDA TITLE:	Other Business
PREPARED BY:	Robert Jaques, Technical Program Manager

SUMMARY:
The "Other Business" agenda item is intended to provide an opportunity for TAC members or others present at the meeting to discuss items not on the agenda that may be of interest to the TAC.

ATTACHMENTS:	None
RECOMMENDED ACTION:	None required – information only