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AGENDA
Water Supply Planning Committee
of the Monterey Peninsula Water Management District

Monday, August 2, 2021, 4:00 pm, *Virtual Meeting*

Pursuant to Governor Newsom's Executive Orders N-29-20 and N-33-20, and to do all we can to help slow the spread of COVID-19 (coronavirus), meetings of the Monterey Peninsula Water Management District Board of Directors and committees will be conducted with virtual (electronic) participation only using Zoom.

Join the meeting at: <https://zoom.us/j/92848005369?pwd=c002SS9vWHFjUUlZUnF2K3RCQ3NIQT09>

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Webinar ID Number: 928 4800 5369

Meeting password: 08022021

Participate by phone: (669) 900 - 9128

For detailed instructions on connecting to the Zoom meeting see page 2 of this agenda.

Water Supply Planning Committee

Members:
George Riley, Chair
Karen Paull
Mary Adams

Alternate:
Alvin Edwards

Staff Contact
David J. Stoldt,
General Manager

After staff reports have been distributed, if additional documents are produced by the District and provided to the Committee regarding any item on the agenda they will be made available on the District's website prior to the meeting. Documents distributed at the meeting will be made available upon request and posted to the District's website within five days following the meeting.

Call to Order / Roll Call

Comments from Public - *The public may comment on any item within the District's jurisdiction. Please limit your comments to three minutes in length.*

Action Items - *Public comment will be received. Please limit your comments to three (3) minutes per item.*

1. Consider Adoption of May 3, 2021 Committee Meeting Minutes

Discussion Items – *Public comment will be received. Please limit your comments to three (3) minutes per item.*

2. Presentation on Monterey Sub-Basin Groundwater Sustainability Planning Work within the Corral De Tierra Management Area by Sarah Hardgrave, Monterey County (verbal report)
3. Further Updates on Seaside Fort Ord 09 Shallow
4. Update on Pure Water Monterey Project
5. Discuss National Marine Fisheries Service Proposal for Coho Salmon Rearing at District's Sleepy Hollow Steelhead Rearing Facility
6. Summary of Recent Discussions with Seaside Basin Watermaster (verbal report)

Suggest Items to be Placed on Future Agendas

Adjournment

Upon request, MPWMD will make a reasonable effort to provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. MPWMD will also make a reasonable effort to provide translation services upon request. Submit requests by 5:00 pm on July 29, 2021, to the Board Secretary, joel@mpwmd.net or call 831-658-5652 or Sara Reyes, Sr. Office Specialist, sara@mpwmd.net at 831-658-5610

Instructions for Connecting to the Zoom Meeting

Note: If you have not used Zoom previously, when you begin connecting to the meeting you may be asked to download the app. If you do not have a computer, you can participate by phone.

Begin: Within 10 minutes of the meeting start time from your computer click on this link: <https://zoom.us/j/92848005369?pwd=c002SS9vWHFjUUIzUnF2K3RCQ3NIQT09> or paste the link into your browser.

DETERMINE WHICH DEVICE YOU WILL BE USING (PROCEED WITH ONE OF THE FOLLOWING INSTRUCTIONS)

USING A DESKTOP COMPUTER OR LAPTOP

1. In a web browser, type: <https://www.zoom.us>
2. Hit the enter key
3. At the top right-hand corner, click on “Join a Meeting”
4. Where it says “Meeting ID”, type in the Meeting ID# above and click “Join Meeting”
5. Your computer will begin downloading the Zoom application. Once downloaded, click “Run” and the application should automatically pop up on your computer. (If you are having trouble downloading, alternatively you can connect through a web browser – the same steps below will apply).
6. You will then be asked to input your name. It is imperative that you put in your first and last name, as participants and attendees should be able to easily identify who is communicating during the meeting.
7. From there, you will be asked to choose either ONE of two audio options: Phone Call or Computer Audio:

COMPUTER AUDIO

1. If you have built in computer audio settings or external video settings – please click “Test Speaker and Microphone”.
2. The client will first ask “Do you hear a ringtone?” •If no, please select “Join Audio by Phone”.
- If yes, proceed with the next question:
3. The client will then ask “Speak and pause, do you hear a replay?” •If no, please select “Join Audio by Phone”
- If yes, please proceed by clicking “Join with Computer Audio”

PHONE CALL

1. If you do not have built in computer audio settings or external video settings – please click “Phone Call”
2. Dial one of the numbers listed below using a phone. Select a phone number based on your current location for better overall call quality.

+1 669 900 9128 (San Jose, CA)	+1 301 715 8592 (New York, NY)
+1 312 626 6799 (Seattle, WA)	+1 646 558 8656 (Maryland)
+1 253 215 8782 (Houston, TX)	+1 346 248 7799 (Chicago, IL)
3. Once connected, it will ask you to enter the Webinar ID No. and press the pound key
4. It will then ask you to enter your participant ID number and press the pound key.
5. You are now connected to the meeting.

USING AN APPLE/ANDROID MOBILE DEVICE OR SMART PHONE

1. Download the Zoom application through the Apple Store or Google Play Store (the application is free).
2. Once download is complete, open the Zoom app.
3. Tap “Join a Meeting”
4. Enter the Meeting ID number
5. Enter your name. It is imperative that you put in your first and last name, as participants and attendees should be able to easily identify who is communicating during the meeting.
6. Tap “Join Meeting”
7. Tap “Join Audio” on the bottom left hand corner of your device
8. You may select either ONE of two options: “Call via Device Audio” or “Dial in”

DIAL IN

1. If you select “Dial in”, you will be prompted to select a toll-free number to call into.
2. You may select any of the numbers listed below:

+1 669 900 9128 (San Jose, CA)	+1 253 215 8782 (Houston, TX)
+1 346 248 7799 (Chicago, IL)	+1 301 715 8592 (New York, NY)
+1 312 626 6799 (Seattle, WA)	+1 646 558 8656 (Maryland)
3. The phone will automatically dial the number, and input the Webinar Meeting ID No. and your Password.
4. Do not hang up the call, and return to the Zoom app
5. You are now connected to the meeting.

Present Public Comment

Receipt of Public Comment – the Chair will ask for comments from the public on all items. Limit your comment to 3 minutes.

- (a) Computer Audio Connection: Select the “raised hand” icon. When you are called on to speak, please identify yourself.
- (b) Phone audio connection **with** computer to view meeting: Select the “raised hand” icon. When you are called on to speak, push *6 to unmute and please identify yourself.
- (c) Phone audio connection only: Press *9. Wait for the clerk to unmute your phone and then identify yourself and provide your comment. Press *9 to end the call.

Submit Written Comments

If you are unable to participate via telephone or computer to present oral comments, you may also submit your comments by e-mailing them to comments@mpwmd.net with one of the following subject lines "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT – ORAL COMMUNICATIONS". Comments must be received by 12:00 p.m. on Monday, August 2, 2021. Comments submitted by noon will be provided to the committee members and compiled as part of the record of the meeting.

WATER SUPPLY PLANNING COMMITTEE

ITEM: ACTION ITEM

1. CONSIDER ADOPTION OF MAY 3, 2021 COMMITTEE MEETING MINUTES

Meeting Date: August 2, 2021

From: David J. Stoldt,
General Manager

Prepared By: Joel G. Pablo

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

SUMMARY: Attached as **Exhibit 1-A** are draft minutes of the May 3, 2021 committee meeting.

RECOMMENDATION: The Committee should adopt the minutes by motion.

EXHIBIT

1-A Draft Minutes of the May 3, 2021 Committee Meeting



DRAFT MINUTES
Water Supply Planning Committee of the
Monterey Peninsula Water Management District
Monday, May 3, 2021

Call to Order: The Zoom virtual meeting was called to order at 4:00 pm.

Committee members present: George Riley, Chair
Mary L. Adams
Karen Paull

Committee members absent: None

Staff members present: David J. Stoldt, General Manager
Jonathan Lear, Water Resources Division Manager
Maureen Hamilton, Senior Water Resources Engineer
Joel G. Pablo, Executive Assistant / Board Clerk

District Counsel present: David Laredo, Esq. De Lay & Laredo

Comments from the Public: No Comments

Action Items

- 1. Consider Adoption of April 5, 2021 Committee Meeting Minutes**
Public Comment: None

A motion was made by Adams and second by Paull, to approve the committee meeting minutes of April 5, 2021. The motion passes unanimously on a vote of 3-Ayes (Riley, Adams and Paull), 0-Noes, and 0-Absent.

Discussion Items

- 2. Update on Pure Water Monterey Project**
David J. Stoldt, General Manager (GM) and Maureen Hamilton, Senior Water Resources Engineer provided an update on Pure Water Monterey Project and responded to committee member questions. Stoldt reported PWM ended the month of April, 2021 with 308 Acre Feet (AF) injected. Hamilton informed the committee that Deep Injection Well (DIW) 3 has been constructed and installation of and pump-testing for DIW3 will more than likely occur on the same day. She reported the current target date for completing DIW3 is November, 2022 and DIW 4 is February, 2022. Stoldt stated that he has routine bi-weekly calls with Monterey One Water on Pure Water Monterey and reports operations are running smoothly. Stoldt informed the committee Cal-Am will prepare an Advice Letter filing for a new rate within the coming weeks.

Public Comment: (1) Melodie Chrislock with Public Water Now asked how much a Cal-Am gets charged monthly and sought clarification on new rates set by water companies.

Stoldt responded and informed Chrislock that the typical monthly bill is approximately \$700,000. He provided context as to why water companies set adjusted water rates and discussed tracking mechanisms employed by the district to ensure what sold is on-par with water being delivered to customers via Cal-Am.

3. Discuss Issues Related to Seaside Groundwater Basin Replenishment Assessments

GM Stoldt provided an overview of his staff report and exhibits as it relates to issues related to the Seaside Groundwater Basin Replenishment Assessments and responded to committee questions. Jonathan Lear, Water Resources Manager responded to Paull explaining that the court decision provides the context as to how the blended costs are to be calculated. Stoldt responded to Paull and discussion ensued on the weighting of various proxy projects in the calculation of replenishment assessments. Stoldt responded to committee comments and stated the district can suggest to the Watermaster that calculations to be calculated differently and would need to be considered by their board. In addition, he explained that Aquifer and Storage Recovery are meant to provide protective water levels in response to a five- or six-year drought and not to be used as replenishments. The committee seeks further clarification on this topic and Director Adams suggested that if a Workshop were to be conducted that the District should invite Robert S. Jaques, Technical Program Manager who does a lot of the calculations.

Public Comment: None

4. Discuss Funding Concepts for Pure Water Monterey Expansion

David J. Stoldt, General Manager (GM) summarized the staff note and responded to questions from the committee. An overview of the five (5) financing concepts and discussion ensued on pertaining to potential financing options with Cal-Am, MCWD, the Watermaster and the District itself.

Public Comment: None

Suggest Items to be Placed on Future Agendas

- Director Riley: Discuss Funding Concepts for Pure Water Monterey Expansion
- Director Adams: Presentation on Monterey Sub-basin Groundwater Sustainability Planning Work within the Corral De Tierra Management Area

Adjournment

Chair George Riley adjourned the meeting at 5:15 PM.

WATER SUPPLY PLANNING COMMITTEE

ITEM: DISCUSSION ITEM

3. FURTHER UPDATES ON SEASIDE FORT ORD 09 SHALLOW

Meeting Date:	August 2, 2021	Budgeted:	No
From:	David J. Stoldt General Manager	Program/ Line Item:	Well Monitoring N/A
Prepared By:	Jonathan Lear	Cost Estimate:	N/A

General Counsel Review: N/A

Committee Recommendation: N/A

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: FO-09 Shallow, a coastal monitoring well in the Seaside Basin, has recently been identified as compromised due to a failure of the well casing that is allowing saltier water from the shallow zone to mix with groundwater in the Paso Robles Aquifer. Monterey County Health Department has identified this as cross-contamination between aquifer zones and has agreed on a destruction plan for FO-09 Shallow that will stop the cross-contamination of the Paso Robles Aquifer and preserve FO-09 Deep. This work is currently out to bid and will come back to the Board for approval when the bids close.

Monitoring of FO-09 Shallow for water level and water quality data is currently required of the Seaside Watermaster and the Marina Coast Groundwater Sustainability Agency by the Watermaster's Monitoring and Maintenance Plan (MMP) and the Marina Coast Groundwater Sustainability Plan respectively. The Watermaster has written letters to both the District and Marina Coast seeking a cost share to replace FO-09 Shallow so that data can continue to be collected to support the networks. The letters to the District and Marina Coast are included as Exhibits 4-A and 4-B. The letter to the District asks the District to share in the replacement costs but does not offer to share the cost of destroying FO-09 Shallow. Both letters state that there is the possibility of active seawater intrusion occurring into the Paso Robles Aquifer in the Northern Coastal Sub-Area of the Seaside Groundwater Basin. The Watermaster has not presented data or reports that support this statement. Additionally, the WY 2020 Seawater Intrusion report prepared by the Watermaster technical consultant concludes seawater intrusion has not been detected in the Seaside Groundwater Basin. On March 10, 2021 the Watermaster Technical Advisory Committee considered the data from FO-09 Shallow and voted not to initiate the Seawater Intrusion Response Plan. It is important to monitor for seawater intrusion in this region of the Seaside Basin, however the District is not compelled by regulatory requirement to collect data from FO-09 Shallow. Before the formation of the Watermaster, the District monitored for seawater intrusion in the Seaside Basin from 1976 to 2008 and did not historically use FO-09 Shallow for seawater intrusion monitoring prior to the Watermaster hiring the District to collect MMP samples from this well.

BACKGROUND: In 1990's, the District drilled a series of Fort Ord (FO) Monitoring wells in an effort to better define the hydrogeology of the areas within the MPWMD Boundary co located with the former Fort Ord. In the Northern Sub Area of the Seaside Groundwater Basin, FO wells 9 through 11 were installed near the northern boundary of the Seaside Groundwater Basin. These wells consist of multiple completions in aquifer units of differing depths. Following installation of the FO wells, MPWMD added these wells to the District's Seaside Monitoring well network and began collecting water levels and periodic water quality samples. The FO monitor well network consists of 2" PVC wells that are nearing the end of their projected 30-year life spans.

In 2007, the Seaside Adjudication Decision created the Seaside Watermaster and the Monterey County Superior Court adopted the Seaside Basin MMP. The MMP outlines a set of wells and sampling schedules to be completed by the Watermaster to monitor the health of the Seaside Groundwater Basin. When the monitoring network was created, the MPWMD well network was relatively new and was absorbed into the MMP. The Watermaster Technical Advisory Committee identified a number of additional wells to be monitored and they were added to the MMP. Frequencies for water level and water quality sampling were established and the MMP and became the official Watermaster Monitoring Network. Exhibit 4-C shows the wells, the frequency and type of data to be collected for the Watermaster to comply with the MMP. Each year the data collected for the MMP is reported to the Monterey Superior Court and DWR. In 2008, the District and Watermaster entered into a Master Services Agreement through which the District was hired to perform well monitoring and database services for the Watermaster. In 2008, the MPWMD Board and the Watermaster Board negotiated that the Watermaster would hire the District to monitor the additional wells and collect water quality samples that had been added by Technical Advisory Committee. The District decided to collect data from its own wells at the schedule required by the MMP and provide the Watermaster these data to be used for compliance free of charge. Over the past 15 years, the District has continued to monitor its wells adhering to the MMP schedule in order to provide the Watermaster with a MMP compliant data set. This work is completed at an annual cost to the District of around \$40K.

While preparing the WY 2020 Seawater Intrusion report, the Watermaster's consultant identified that chloride concentrations in monitor well FO-09 Shallow had been increasing for the past few years. The Watermaster hired a consultant to complete a conductivity log of the water quality in FO-09 Shallow to see if chloride was increasing in this region of the aquifer or if there was another explanation. The conductivity log identified a possible failure in the well casing near the sanitary seal allowing saltier shallow water to enter into the well above the well screens and mix with the groundwater in the well creating a cross-contamination situation. At this time the Watermaster notified the District it did not plan to fund further work on FO-09 Shallow and because the District owned the possibly compromised well, it was now the District's responsibility to fund the next steps into the investigation into elevated chlorides. The District hired a consultant to video log the well to possibly identify a failure in the well casing allowing shallow water into the well. The video log was unable to identify the compromised portion of the well and after discussion between the District and the Monterey County Health Department, destruction of FO-09 Shallow was identified as the path forward to stop cross-contamination of the Paso Robles Aquifer. A work plan was created and approved by the Health Department that will destroy FO-09 Shallow and leave FO-09 Deep intact.

RECOMMENDATION: Receive staff report and discuss.

EXHIBITS

- 3-A** Watermaster letter to MPWMD regarding cost share for monitor well replacement
- 3-B** Watermaster letter to Marina Coast Water District regarding cost share for monitor well replacement
- 3-C** Monitoring and Maintenance Plan Monitoring Schedule

EXHIBIT 3-A

**Seaside Basin Watermaster
P.O. Box 51502, Pacific Grove, CA 93950
(831) 595-0996**

May 13, 2021

Alvin Edwards, Chair
Monterey Peninsula Water Management District
5 Harris Court, Building G
Monterey, CA 93940

Subject: Importance of maintaining a Paso Robles shallow aquifer monitoring well at the FO-09 site and seeking three-party funding of a replacement well at that location.

Dear Mr. Edwards:

The Seaside Groundwater Basin Watermaster (WM) seeks a three-party arrangement between MPWMD, Marina Coast Water District, and WM to fund replacement of monitoring well FO-09 Shallow that MPWMD intends to destroy with a new shallow monitoring well in the same general location.

Once FO-09S is destroyed there will be no source of water level or water quality data obtainable for the Paso Robles aquifer in that area of the Seaside Basin. The data obtained from the recent induction logging of FO-09S indicates that the dune sand deposits overlying the Paso Robles aquifer may have already been seawater intruded this far inland. If so, this means that there is a risk for intrusion into the Paso Robles aquifer to occur throughout this area, either by openings (gaps) in the clay layer that separates the dune sands from the Paso Robles, or through other wells that might have leaks. A properly operating shallow monitoring well at the location of FO-09 could provide an early alert to such an occurrence.

MPWMD asserts that FO-09 is not needed for its monitoring purposes. However, Table 2 in the contract between the Watermaster and MPWMD to perform monitoring work lists the wells to be monitored, and identifies which wells are part of which party's monitoring network. Table 2, and Footnote 1 in that table, shows FO-09 Shallow to be a well that is in MPWMD's Monitoring Well Network, and is a well that MPWMD monitors monthly for water level as part of its own monitoring program. That information was provided by MPWMD when Table 2 was created some years ago, and that assignment of monitoring responsibilities has not changed over the years.

Marina Coast Water District may be including FO-09S in official monitoring plans for its developing GSP so most likely will want it replaced – WM also seeks that agency's participation in a cost share arrangement.

In view of the potential seawater intrusion from dunes sands to the Paso Robles aquifer occurring in the FO-09S well, the Watermaster agrees that MPWMD should have the well destroyed using proper procedures. At the same time, Watermaster requests that MPWMD participate in a cost-share arrangement to install a new shallow monitoring well to replace the destroyed well. Mr. Stoldt has mentioned there could be cost savings to MPWMD by having the FO-09S well destroyed at the same time a new monitoring well at that location is constructed.

Thank you for MPWMD's consideration of cooperating in the proposed endeavor.

Sincerely,



Paul Bruno
Chair, Watermaster Board of Directors

cc: Mr. David Stoldt, General Manager

EXHIBIT 3-B

**Seaside Basin Watermaster
P.O. Box 51502, Pacific Grove, CA 93950
(831) 595-0996**

May 13, 2021

Ms. Jan Shriner, President, Board of Directors
Marina Coast Water District & MCWD Groundwater Sustainability Agency
11 Reservation Road
Marina, CA 93933-2099

Subject: Importance of maintaining a Paso Robles shallow aquifer monitoring well at the FO-09 site and seeking three-party funding of a replacement well at that location.

Dear Ms. Shriner:

The Seaside Groundwater Basin Watermaster (WM) seeks a three-party arrangement between Monterey Peninsula Water Management District (MPWMD), Marina Coast Water District, and WM to fund replacement of monitoring well FO-09 Shallow that MPWMD intends to destroy with a new shallow monitoring well in the same general location.

According to draft Chapter 7 of the Monterey Subbasin Groundwater Sustainability Plan, "... additional wells are needed in the identified areas of the Marina-Ord Area to augment the seawater intrusion monitoring network as discussed in Section 7.5.2" which states, "Additional seawater intrusion monitoring wells may be appropriate at the following locations: Within the 400-Foot Aquifer to address lack of coverage near the central coastline between wells MWD-09 and MPWMD#FO-10S..."

Although the location of FO-09S is not between MW-09 and MPWMD FO-10S, it is closer to the coast within the large network monitoring data gap between the Seaside Groundwater Basin and the Monterey Subbasin. Once FO-09S is destroyed there will be no source of water level or water quality data obtainable for the Paso Robles aquifer in that area. The data obtained from the recent induction logging of FO-09S indicates that the dune sand deposits overlying the Paso Robles aquifer may have already been seawater intruded this far inland. If so, that means there is risk of intrusion into the Paso Robles aquifer throughout this area, either by openings (gaps) in the clay layer that separates the dune sands from the Paso Robles, or through other wells that might have leaks. A properly operating shallow monitoring well at the location of FO-09 could provide an early alert to such an occurrence.

Well FO-09S belongs to MPWMD and is in its monitoring network – WM also seeks that agency's participation in a cost share arrangement.

In view of the potential seawater intrusion from dunes sands to the Paso Robles aquifer in an area bounding the Monterey Subbasin, Watermaster requests that MCWD participate in a cost-share arrangement to install a new shallow monitoring well to replace FO-09S that is to be destroyed.

Thank you for Marina Coast Water District's consideration of cooperating in the proposed endeavor.

Sincerely,



Paul Bruno
Chair, Watermaster Board of Directors

Cc: Remleh Scherzinger, General Manager
Patrick Breen, Water Resources Manager

EXHIBIT 3-C

Table 2

WELL NAME AND SUBAREA LOCATION ⁽⁸⁾	MONITORING NETWORK ⁽¹⁾		MONITORING REQUIRED BY DECISION ⁽²⁾		MONITORING CURRENTLY BEING PERFORMED BY PROFESSIONAL NOT SUBJECT TO THIS RFS ⁽³⁾		MONITORING TO BE PERFORMED BY PROFESSIONAL UNDER THIS RFS ⁽⁴⁾			
	Professional's	Watermaster's	Level (Monthly)	Quality (Annually)	Level		Level		Quality	
					Frequency		Frequency		Frequency	
					Monthly	Quarterly	Monthly	Quarterly	Annually	Quarterly
Northern Coastal Subarea (and vicinity)										
MSC-Shallow		X					X			X
MSC-Deep		X					X			X
PCA-W Shallow		X						X		X
PCA-W Deep		X						X		X
PCA-E (Multiple) Shallow	X				X				X	
PCA-E (Multiple) Deep	X				X				X	
Ord Grove Test-Shallow/Deep	X				X					
Paralta Test-Shallow/Deep	X				X					
Ord Terrace-Shallow	X				X				X	
Ord Terrace-Deep	X				X				X	
MPWMD #FO-09-Shallow	X				X					X
MPWMD #FO-09-Deep	X				X					X
MPWMD #FO-10-Shallow		X					X		X	
MPWMD #FO-10-Deep		X					X		X	
Fort Ord Monitor MW-B-23-180-Dune/Aromas		X					X		X	
CDM MW-1-Dune/Aromas		X					X			
CDM MW-2-Dune/Aromas		X					X			
CAW Del Monte Observation-Shallow		X							X	
SBWM MW-1-Deep (Purisima) ⁽⁶⁾		X						X	X	
SBWM MW-2-Deep (Purisima) ⁽⁶⁾		X						X	X	
SBWM MW-3-Deep (Purisima) ⁽⁶⁾		X						X	X	
SBWM MW-4-Deep (Purisima/Santa Margarita) ⁽⁶⁾		X						X	X	
Northern Inland Subarea (and vicinity)										
MPWMD #FO-01-Shallow	X						X			
MPWMD #FO-01-Deep	X						X			
MPWMD #FO-07-Shallow	X						X			
MPWMD #FO-07-Deep	X						X			
MPWMD #FO-08-Shallow	X						X			
MPWMD #FO-08-Deep	X						X			
MPWMD #FO-11-Shallow	X						X			
MPWMD #FO-11-Deep	X						X			
SBWM MW-5-Shallow (Paso Robles) ⁽⁶⁾		X						X	X	
SBWM MW-5-Deep (Santa Margarita) ⁽⁶⁾		X						X	X	

Table 2 (Continued)

WELL NAME AND SUBAREA LOCATION ⁽⁸⁾	MONITORING NETWORK ⁽¹⁾		MONITORING REQUIRED BY DECISION ⁽²⁾		MONITORING CURRENTLY BEING PERFORMED BY PROFESSIONAL NOT SUBJECT TO THIS RFS ⁽³⁾		MONITORING TO BE PERFORMED BY PROFESSIONAL UNDER THIS RFS ⁽⁴⁾			
	Professional's	Watermaster's	Level (Monthly)	Quality (Annually)	Level		Level		Quality	
					Frequency		Frequency		Frequency	
					Monthly	Quarterly	Monthly	Quarterly	Annually	Quarterly
Southern Coastal Subarea (and vicinity)										
Piomas '90 Test-Deep		X					X			
K-Mart-Dune/Aromas		X					X			
CDM MW-3-Dune/Aromas		X					X			
CDM MW-4-Dune/Aromas		X					X			
MW-BW-08A-Dune/Aromas		X					X			
MW-BW-09-180-Shallow		X					X			
Laguna Seca Subarea (and vicinity)										
MPWMD #FO-03-Shallow	X					X				
MPWMD #FO-03-Deep	X					X				
MPWMD #FO-04-Shallow (E)	X					X				
MPWMD #FO-04-Deep (W)	X					X				
MPWMD #FO-05-Shallow	X					X				
MPWMD #FO-05-Deep	X					X				
MPWMD #FO-06-Shallow	X					X				
MPWMD #FO-06-Deep	X					X				
Justin Court (RR M2S)-Shallow	X					X				
LS Pistol Range (Mo Co TH-1)-Deep	X					X				
York Rd-West (Mo Co MW-1 D)-Deep	X					X				
Seca Place (Mo Co MW-2)-Deep	X					X				
Robley Shallow (North) (Mo Co MW-3S)-Shallow	X					X				
Robley Deep (South) (Mo Co MW-3D)-Deep	X					X				
LS No. 1 Subdivision-Deep	X					X				
Blue Larkspur-East End-Believed to be Deep	X					X				
York School-Shallow		X	X							X
Laguna Seca Driving Range (SCS-Deep)-Shallow		X						X		X
Laguna Seca County Park #2-Shallow		X	X							X
CAW Granite Construction-Deep		X					X			
CAW Ryan Ranch (RR) #7-Deep		X	X							X
Laguna Seca Golf New #12-Deep ⁽⁹⁾		X								X
Pasadera Main Gate-Deep		X	X							X
No. of Wells in Each Network⁽⁵⁾=	32	29	4	0	8	24	14	9	20	6

the long-lead deep well backwash pumps.

- The State Revolving Fund (SRF) funding agreement amendment for the IW P3 facilities
- has been fully executed by M1W and the State.

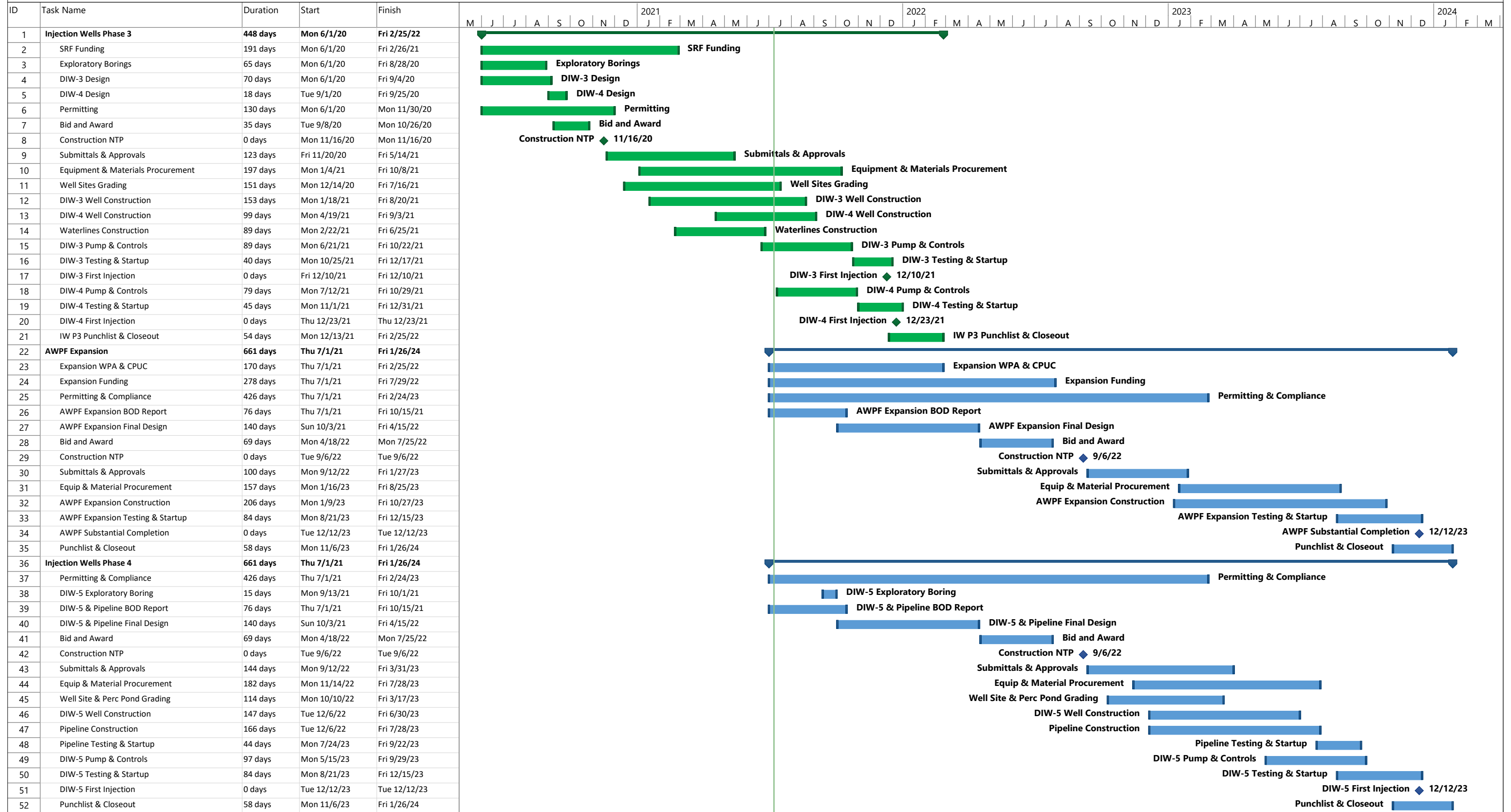
For Pure Water Monterey Expansion:

- At the June 2021 M1W Board meeting, moving forward with final permitting and design of the 2,250 AFY Expanded PWM Project was approved by the Board. Up to \$2,000,000 of the initial Expanded PWM soft costs will be funded by Cal Am.
- Following a brief review of the Expanded PWM schedule at the June 2021 M1W Board meeting, an integrated PWM and Expanded PWM schedule is attached to this Staff Note.
- Expanded PWM permitting and design have been initiated, with construction scheduled to start in early September 2022, driving substantial completion of the new facilities by the end of 2023.

EXHIBIT

4-A PWM and Expanded PWM Executive Schedule Gantt Chart

EXHIBIT 4-A: PWM and Expanded PWM Executive Schedules as of 7-15-21



Project: PWM GWR Summary
Date: Thu 7/8/21

PWM Expansion		AWPF Expansion/IW Ph 4 Summary		PWM Expansion Milestones	
Injection Well Ph 3		Injection Well Ph 3 Summary		Injection Wells Phase 3 Milestone	

WATER SUPPLY PLANNING COMMITTEE

ITEM: DISCUSSION ITEM

5. DISCUSS NATIONAL MARINE FISHERIES SERVICE (NMFS) PROPOSAL FOR COHO SALMON REARING AT DISTRICT'S SLEEPY HOLLOW STEELHEAD REARING FACILITY (SHSRF)

Meeting Date:	August 2, 2021	Budgeted:	
From:	David J. Stoldt General Manager	Program/ Line Item:	N/A
Prepared By:	David Stoldt	Cost Estimate:	

General Counsel Review: N/A

Committee Recommendation: N/A

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

BACKGROUND: The Monterey Bay Salmon & Trout Project (MBSTP) hatchery is in Santa Cruz County on Big Creek (Tributary to Scotts Creek) at a site historically known as Kingfisher Flats. The setting and scale of the facility are well suited to the mission of recovering the local coho salmon and steelhead. By using native captive coho brood-stock and the few wild fish that return, the hatchery staff and volunteers can produce about 35,000 hatchery-reared coho for planting as smolts that are ready to out-migrate to the ocean. If marine survival is good (~ 2%) then the spawning run on Scotts Creek would be about 700 fish. This is about the maximum that the small watershed can accommodate. The NMFS Coho Recovery Plan specifies that the run would be considered “recovered” if a 500 fish self-sustaining spawning run can be established. However, returns in recent years have indicated that the 2% marine survival is not being achieved.

The hatchery rears three year-classes of captive brood-stock. Brood-fish are selected for captive rearing on the basis of genetic diversity. The intention is to maximize the genetic diversity of the coho produced. The captive coho are reared on a diet of fresh-frozen krill and exercised by water currents generated in the rearing pools. Once mature, the coho are spawned according to a spawning matrix developed on the basis of genetic differences. In this way the local native gene-pool can be conserved and used to recover the local coho.

MBSTP's Kingfisher Flat Conservation Hatchery was heavily damaged in the recent CZU lightning complex wildfire last summer. While many of the outdoor rearing tanks have been destroyed, the main hatchery building and incubation facilities remain intact. However, the District has been told that access to the site has been severely compromised due to a loss of a bridge.

PROPOSAL: For almost two months NMFS staff have made inquiries about the availability of space and source water to potentially set up winter operations at SHSRF in order to maintain the

Coho operations. On July 22, 2021 District staff met with representatives of NMFS and MBSTP to discuss the proposal and identify pros and cons going forward.

The NMFS/MBSTP proposal can be summarized as below:

- Coho spawning would occur at SHSRF from mid-December to March with peak operations in January and February
- Their goal is to spawn 200-300 fish
- Two large 20-foot diameter tanks would be brought in
- Several smaller sorting and holding tanks would be required
- A covered temporary workspace is needed
- Eggs would be harvested and taken back to Santa Cruz for incubation

PROS/CONS: The District identified several pros and cons, as well as hurdles yet to be addressed. Some of these are highlighted below and should be discussed at the Committee meeting.

Pros	Cons
<ul style="list-style-type: none"> • Support recovery of the Coho 	<ul style="list-style-type: none"> • Turbidity – Limits on SHSRF intake
<ul style="list-style-type: none"> • Cooperation across multiple parties 	<ul style="list-style-type: none"> • Temperature requirements
<ul style="list-style-type: none"> • Potential help with renewal of District RRMP permit in a few years 	<ul style="list-style-type: none"> • Drain capacity and other “plumbing” requirements
<ul style="list-style-type: none"> • Potential to help with eventual land transfer 	<ul style="list-style-type: none"> • Access road concerns
<ul style="list-style-type: none"> • Test run of SRSRF winter operations 	<ul style="list-style-type: none"> • Crossover in operations and winter maintenance
<ul style="list-style-type: none"> • Potential acquisition of new tank(s), but perhaps not useful to SHSRF operation 	

Hurdles: (a) Site access agreements; (b) liability and indemnification; (c) cost sharing for power, wear and tear, breakage, etc; (d) permits; (e) alarm response; (f) use of District personnel; and (g) set-up and removal of assets.

The District has suggested a site visit for a next step and further evaluation of the pros, cons, and hurdles.

EXHIBITS

None