

**SEASIDE GROUNDWATER BASIN WATERMASTER
REGULAR MEETING OF THE BOARD OF DIRECTORS**

AGENDA

**Wednesday, February 7, 2024 – 2:00pm IN-PERSON
Monterey One Water Board Room
5 Harris Court, Building “D”, Ryan Ranch, Monterey, California**

Watermaster Board

Coastal Subarea Landowner – Director Paul Bruno

City of Seaside – Mayor Ian Oglesby - Chair

California American Water (CAW) – Director Christopher Cook

City of Sand City – Mayor Mary Ann Carbone – Vice Chair

Monterey Peninsula Water Management District (MPWMD) – Director George Riley

Laguna Seca Subarea Landowner – Director John Gaglioti

City of Monterey – Council Member Kim Barber

City of Del Rey Oaks – Council Member Kim Shirley

Monterey County/Monterey County Water Resources Agency – Supervisor Wendy Root Askew, District 4

I. CALL TO ORDER

II. ROLL CALL

III. PUBLIC COMMUNICATIONS

Oral communications are on each meeting agenda in order to provide members of the public an opportunity to address the Watermaster on matters within its jurisdiction. Matters not appearing on the agenda will not receive action at this meeting but may be referred to the Watermaster Administrator or may be set for a future meeting. Presentations will be limited to three minutes or as otherwise established by the Watermaster. In order that the speaker may be identified in the minutes of the meeting, it is helpful if speakers state their names.

IV. REVIEW OF AGENDA

A vote may be taken to add to the agenda an item that arose after the 72-hour posting deadline pursuant to the requirements of Government Code Section 54954.2(b). (A 2/3-majority vote is required)

V. ORAL PRESENTATION

- A. 2023 Seawater Intrusion Analysis Report Overview
– Georgina King, Montgomery and Associates 3
- B. Pure Water Monterey Expansion Project Status – Mike McCullough, Pure Water Monterey
- C. Monterey Peninsula Water Supply Project Desalination Plant – Tim O’Halloran, CAW

VI. CONSENT CALENDAR

- A. Minutes of Regular Board meeting held January 3, 2024 27
- B. Summary of Payments made November through December 2023..... 31
- C. Fiscal Year 2023 Financial Reports through December 31, 2023 35

VII. NEW BUSINESS – None

VIII. OLD BUSINESS

- A. Potential funding mechanism options for Replenishment Assessment Fund
(PowerPoint forthcoming) 41
- B. Consider format for future Watermaster board meetings 41

IX. INFORMATIONAL REPORTS (No Action Required)

- A. Watermaster report of Water Year 2024 Quarter 1 production of the Seaside Basin
(October 1, 2023 – December 31, 2023)..... 43
- B. Sustainable Groundwater Management Act Monthly Updates December 2023 – January 2024..... 45

X. DIRECTOR’S REPORTS

XI. STAFF COMMENTS

XII. CLOSED SESSION

Pursuant to Government Code §54956.9(c), the board will confer with district counsel to review one matter of potential litigation.

- XIII.** Consider motion to adjourn to next regular Watermaster Board meeting to be held on Wednesday, March 6, 2024 - 2:00 P.M.

This agenda was forwarded via e-mail to the City Clerks of Seaside, Monterey, Sand City and Del Rey Oaks; the Clerk of the Monterey Board of Supervisors, the Clerk to the Monterey Peninsula Water Management District; the Clerk at the Monterey County Water Resources Agency, Monterey One Water and the California American Water Company for posting on or before February 1, 2024 per the Ralph M. Brown Act, Government Code Section 54954.2(a).

SEASIDE GROUNDWATER BASIN

2023

**SEAWATER INTRUSION
ANALYSIS REPORT**



**MONTGOMERY
& ASSOCIATES**

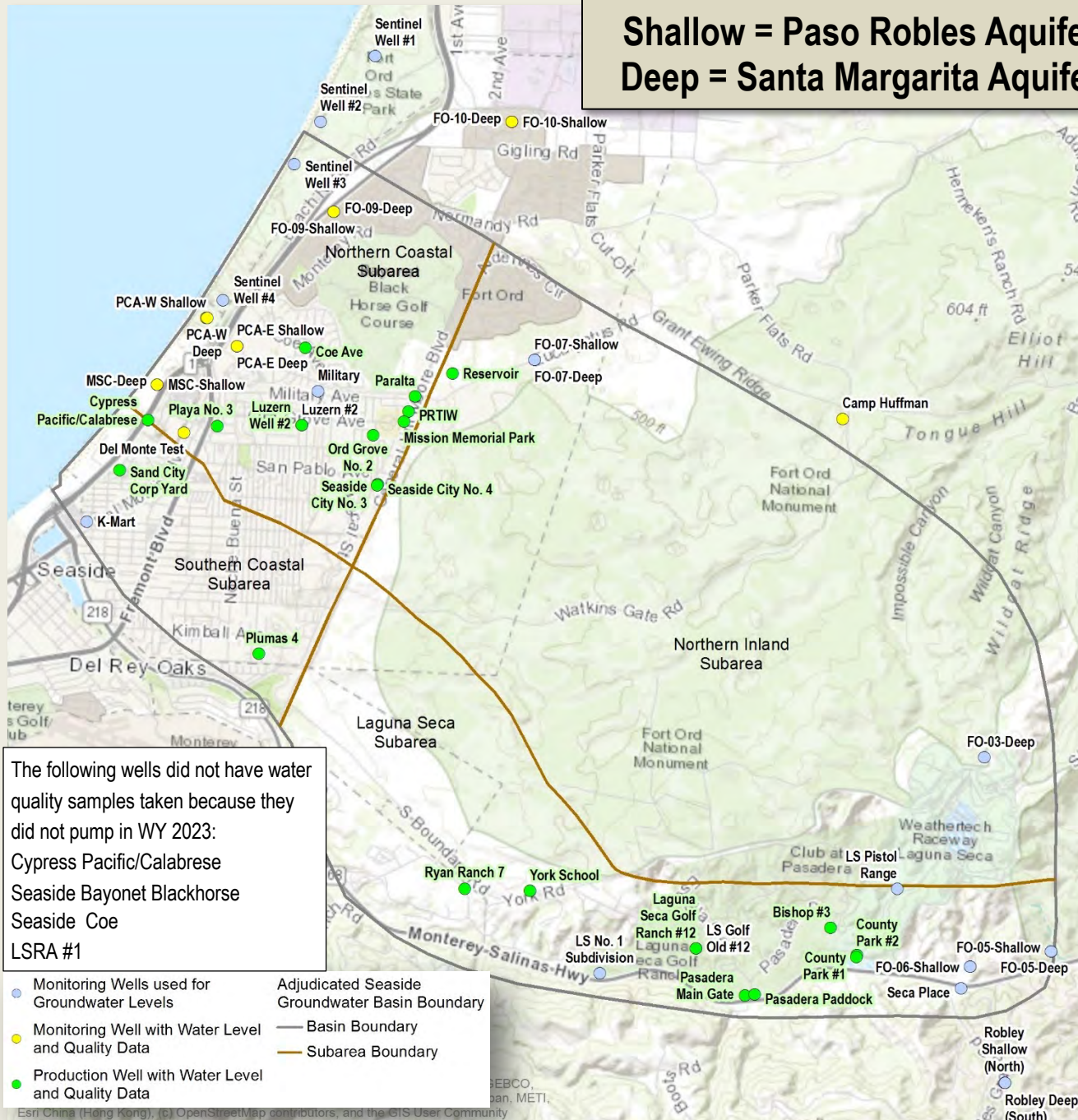
Presented to
the Seaside
Basin
Watermaster
Board
February 7,
2024

SIAR ANALYSIS

- Chloride Distribution and Na/Cl Molar Ratio
- Cation/Anions – Piper and Stiff Diagrams
- Electric Induction Logs
- Groundwater Elevations
- Protective Groundwater Elevations
- Groundwater Production

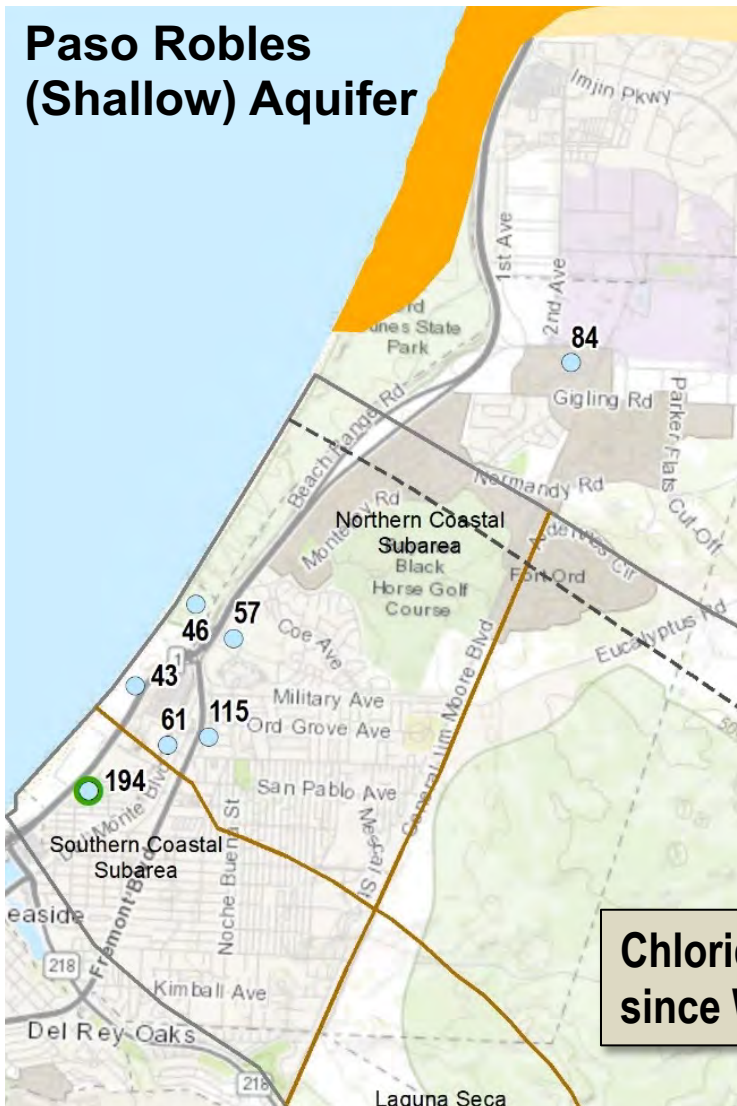
Shallow = Paso Robles Aquifer
 Deep = Santa Margarita Aquifer

WELL DATA INCLUDED IN SIAR

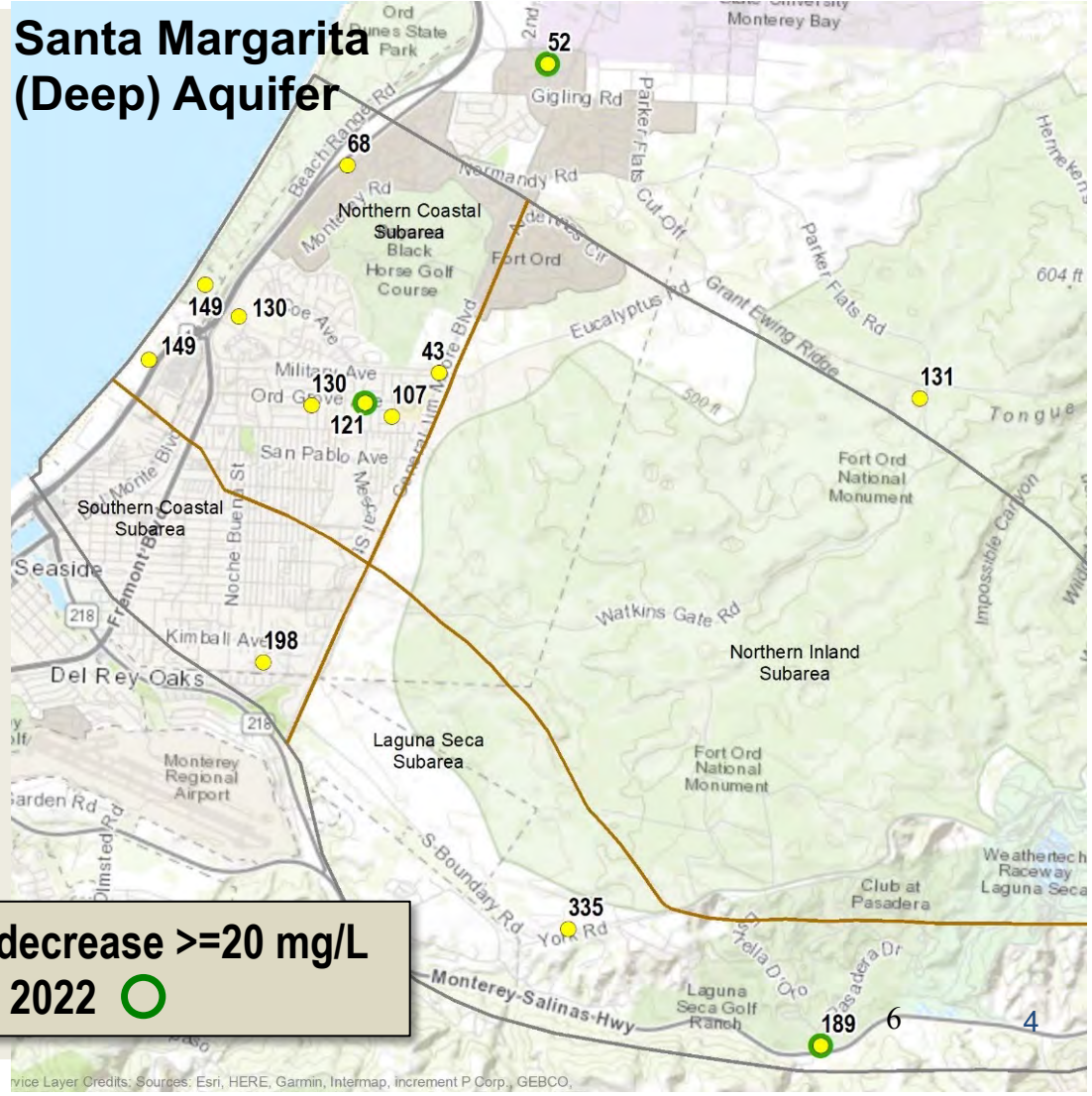


CHLORIDE DISTRIBUTION

Paso Robles (Shallow) Aquifer



Santa Margarita (Deep) Aquifer

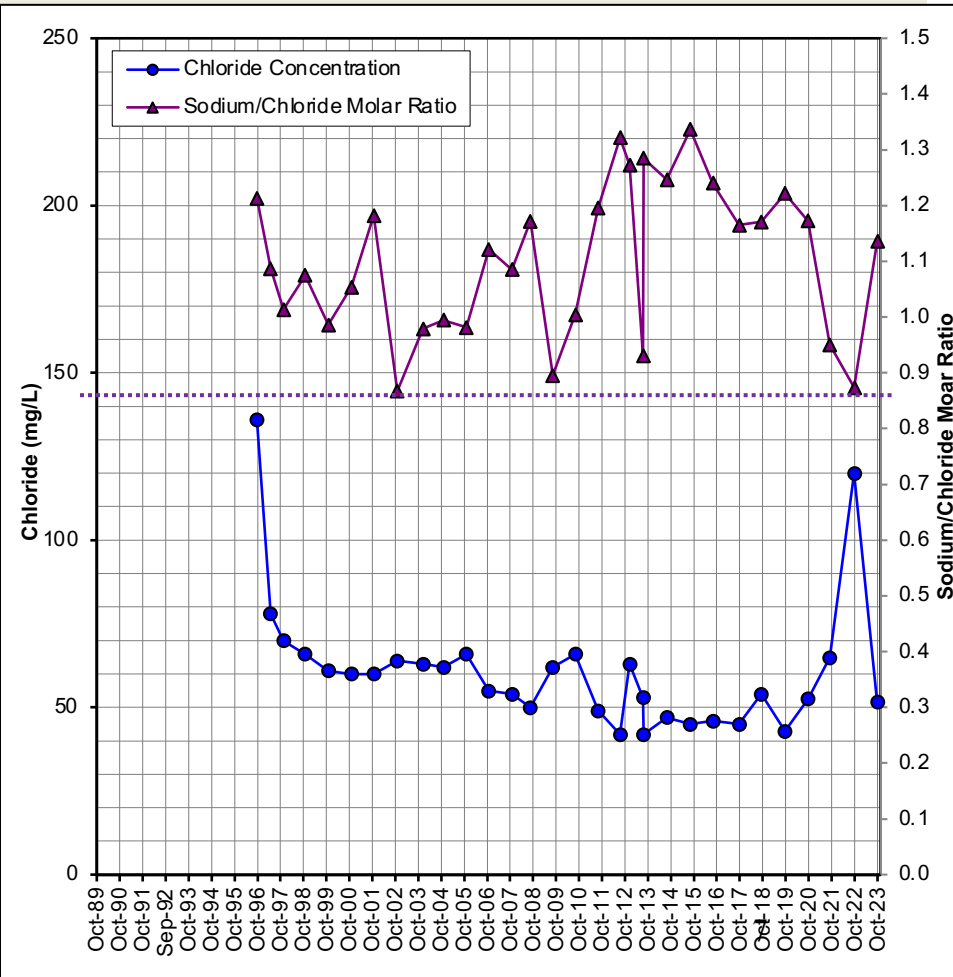
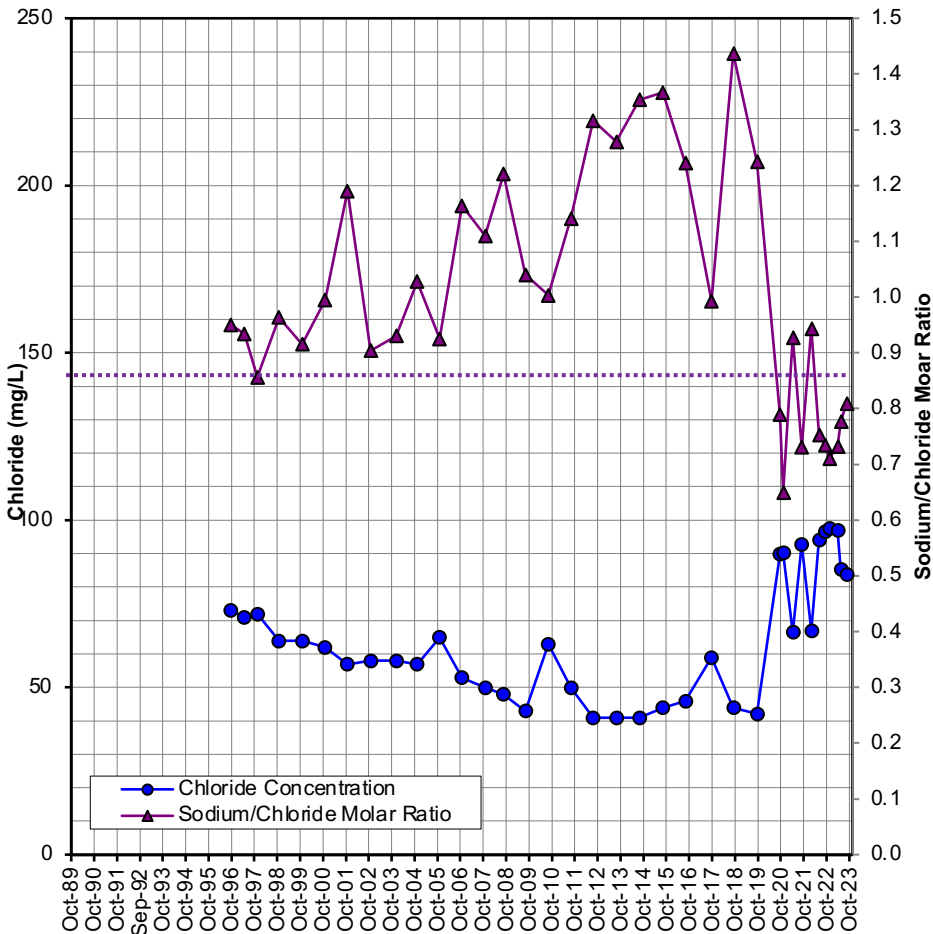


Chloride decrease ≥ 20 mg/L since WY 2022 ○

SODIUM/CHLORIDE MOLAR RATIO

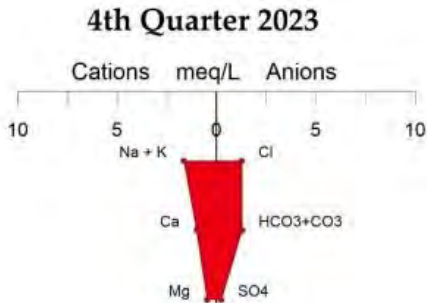
FO-10 Shallow

FO-10 Deep

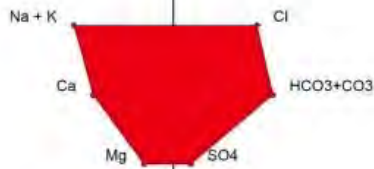


MONITORING WELL STIFF DIAGRAMS

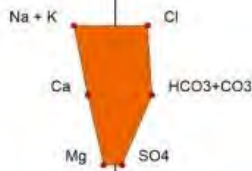
PCA West - Shallow



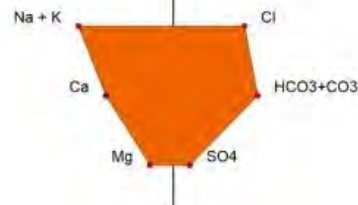
PCA West - Deep



PCA East - Shallow



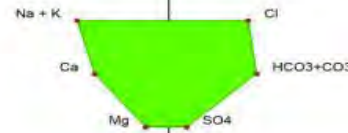
PCA East - Deep



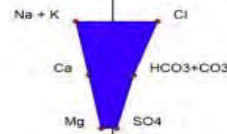
MSC - Shallow



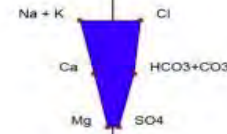
MSC - Deep



Fort Ord 10 - Shallow



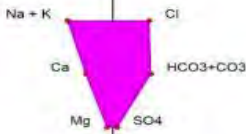
Fort Ord 10 - Deep



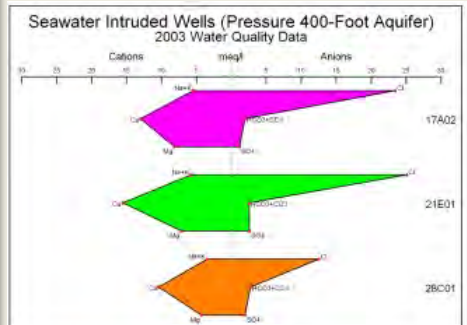
Fort Ord 9 - Shallow

Well destroyed; replacement monitoring well recently installed

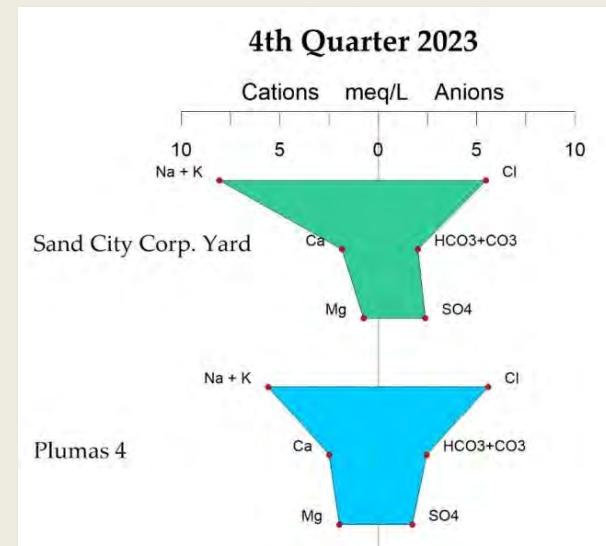
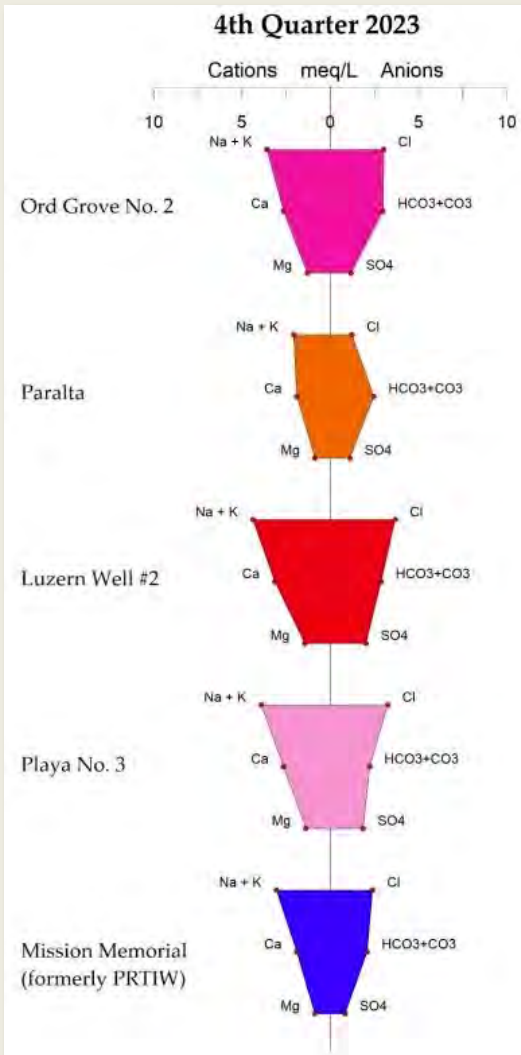
Fort Ord 9 - Deep



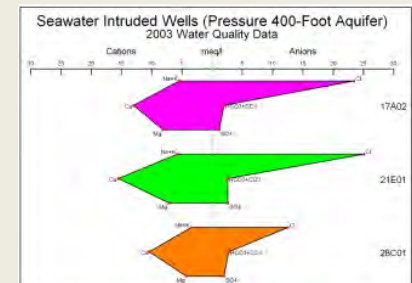
No shapes typical of seawater intruded anions & cations but FO-10 has more chloride ions than bicarbonate ions



PRODUCTION WELL STIFF DIAGRAMS

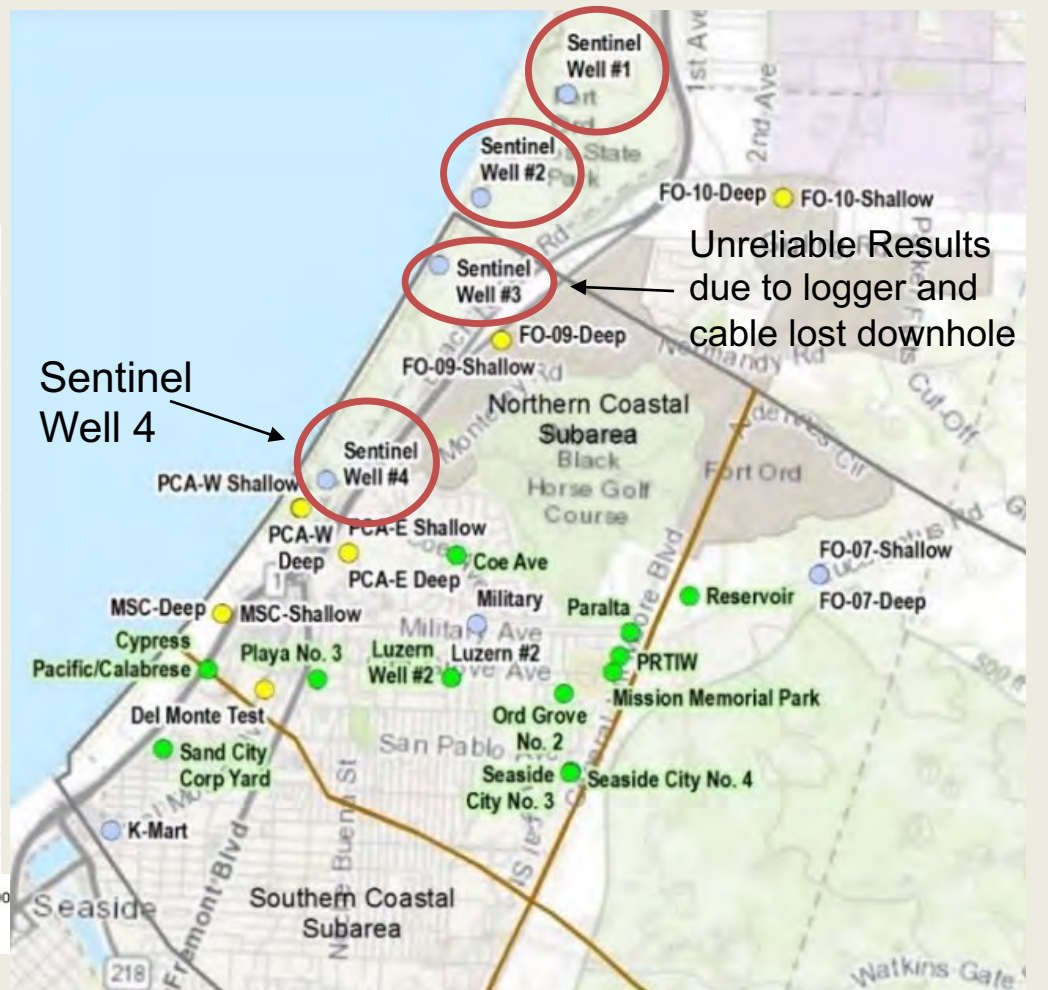
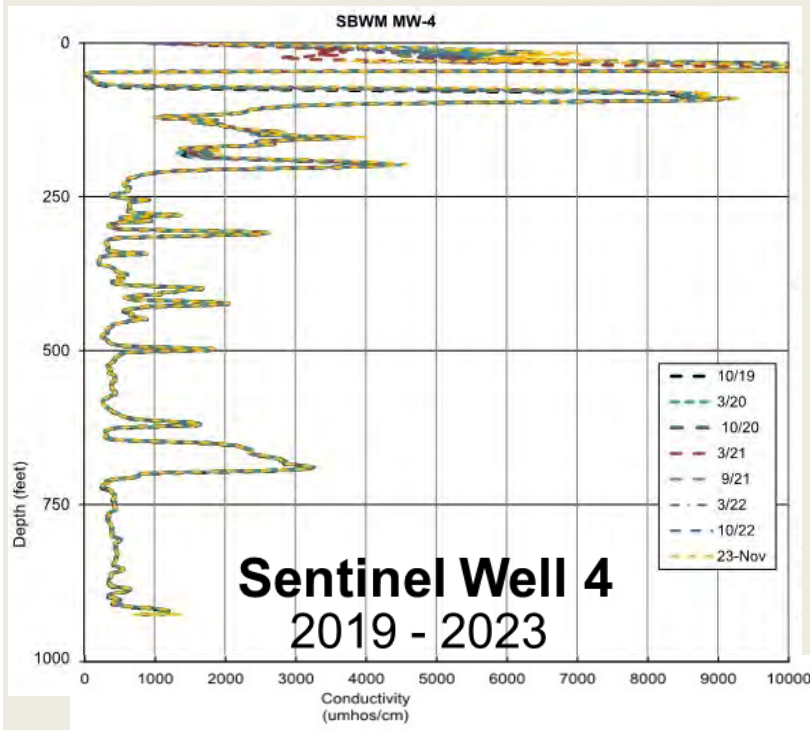


No shapes typical of seawater intruded anions & cations

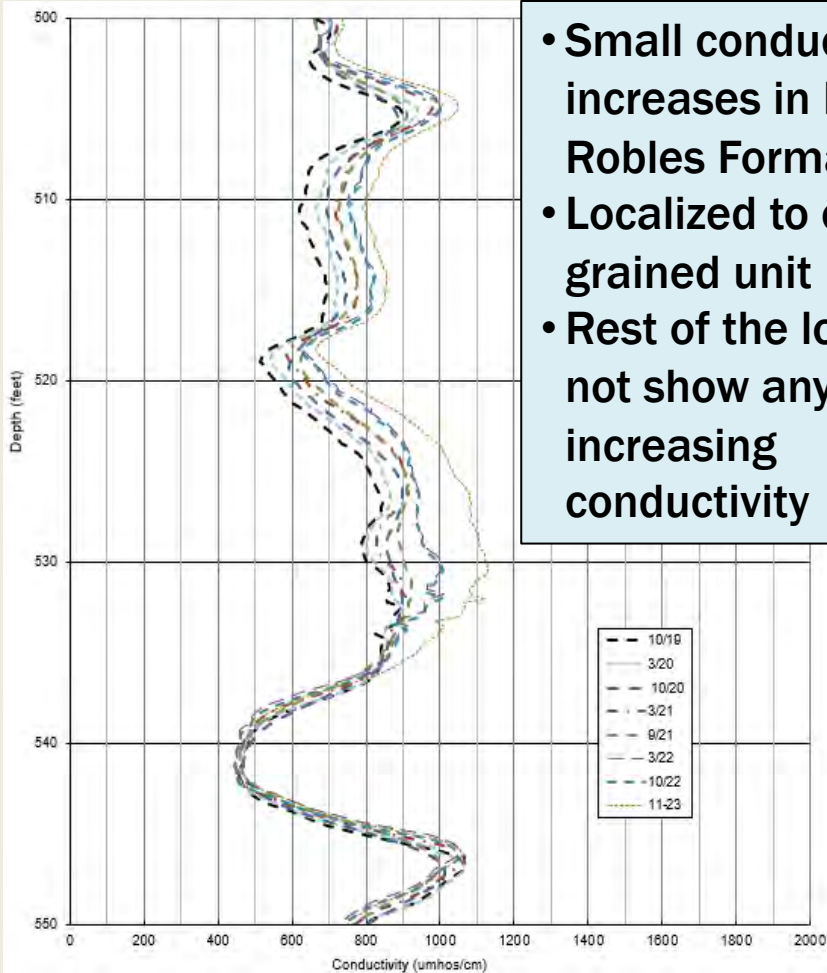


SENTINEL WELL ELECTRIC INDUCTION LOGS

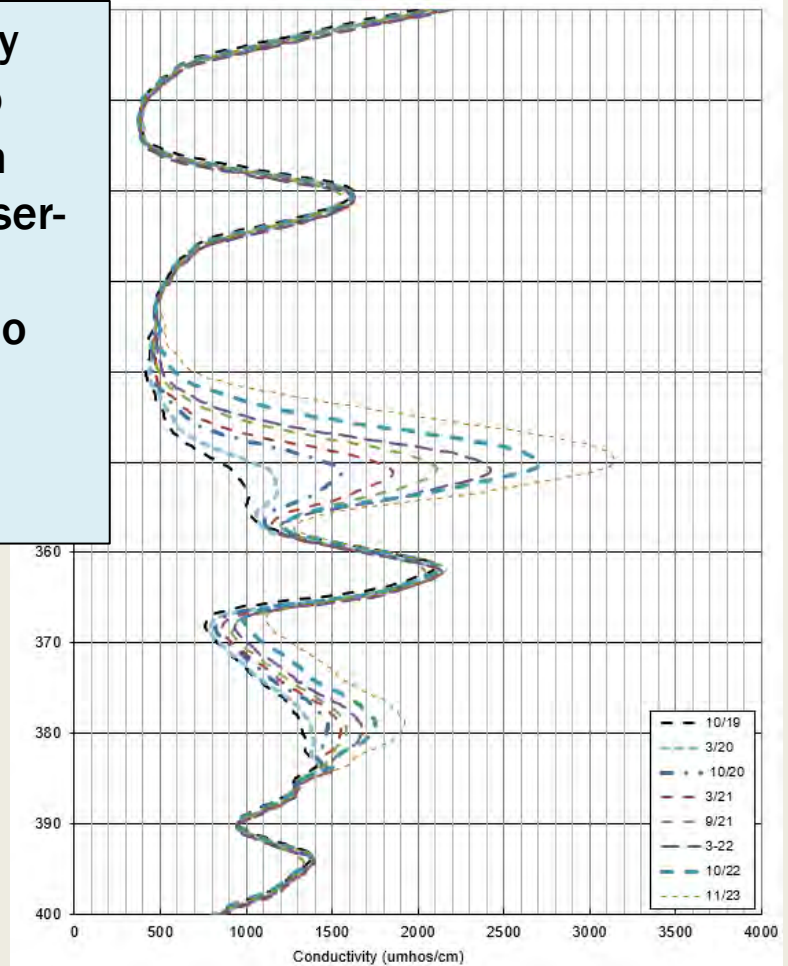
One logging event performed in Nov 2023 on each sentinel well



ELECTRIC INDUCTION LOGS SENTINEL WELLS 1 AND 2

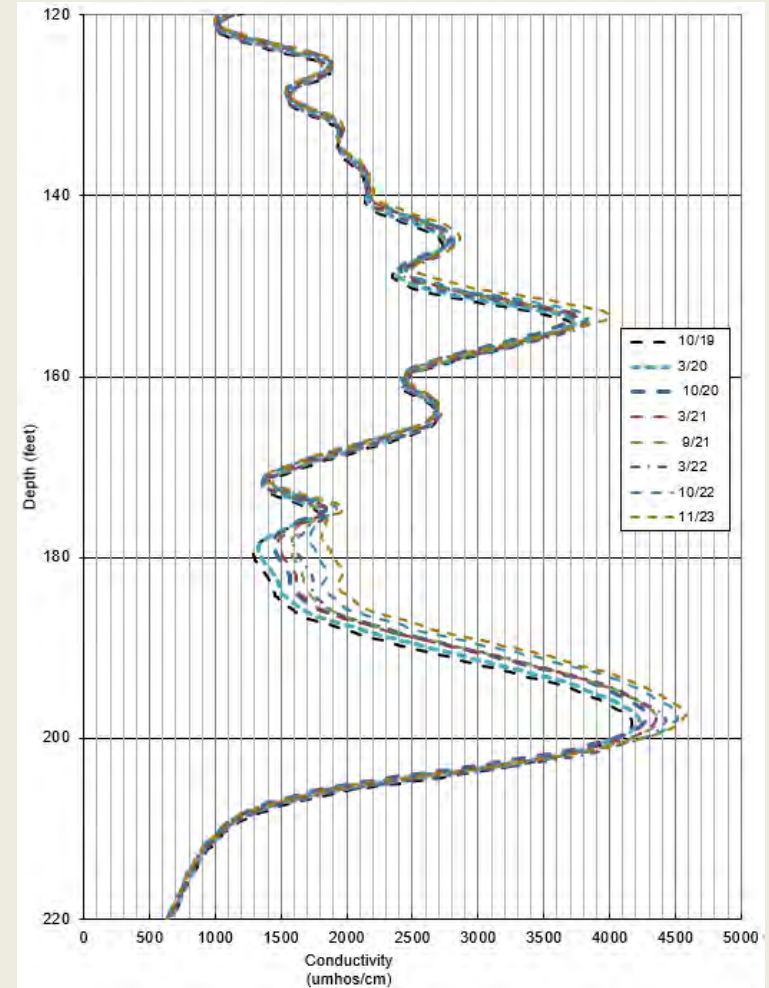


- Small conductivity increases in Paso Robles Formation
- Localized to coarser-grained unit
- Rest of the logs do not show any increasing conductivity



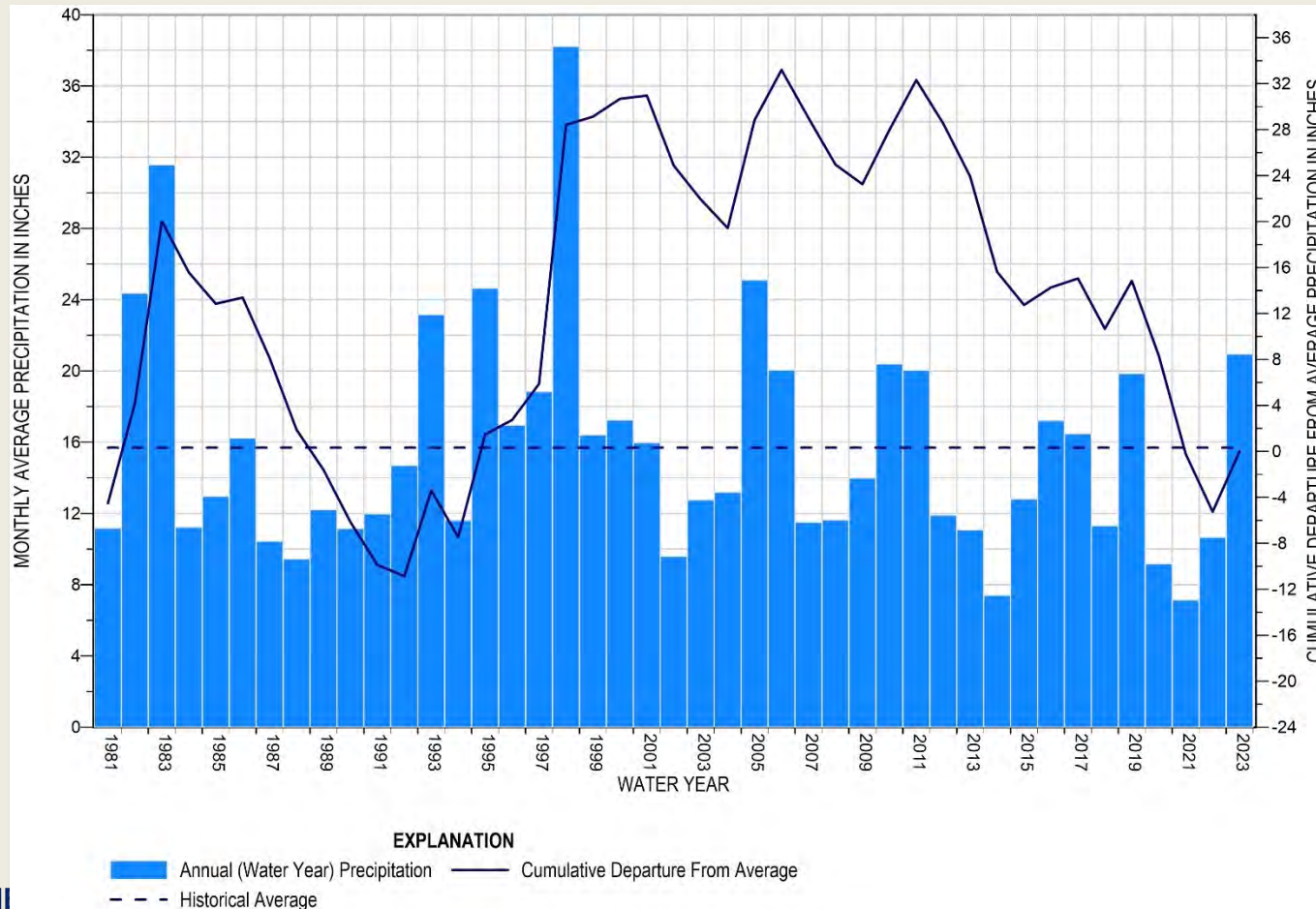
ELECTRIC INDUCTION LOGS SENTINEL WELL 4

- Located in Northern Coastal subarea with greatest groundwater extraction
- Has highest conductivity increase of the 3 sentinel wells
- Nearby monitoring wells are screened deeper so cannot be used for verifying chloride concentrations
- Recommend exploring existing wells in WY 2024 to determine chloride increases in the Paso Robles Formation



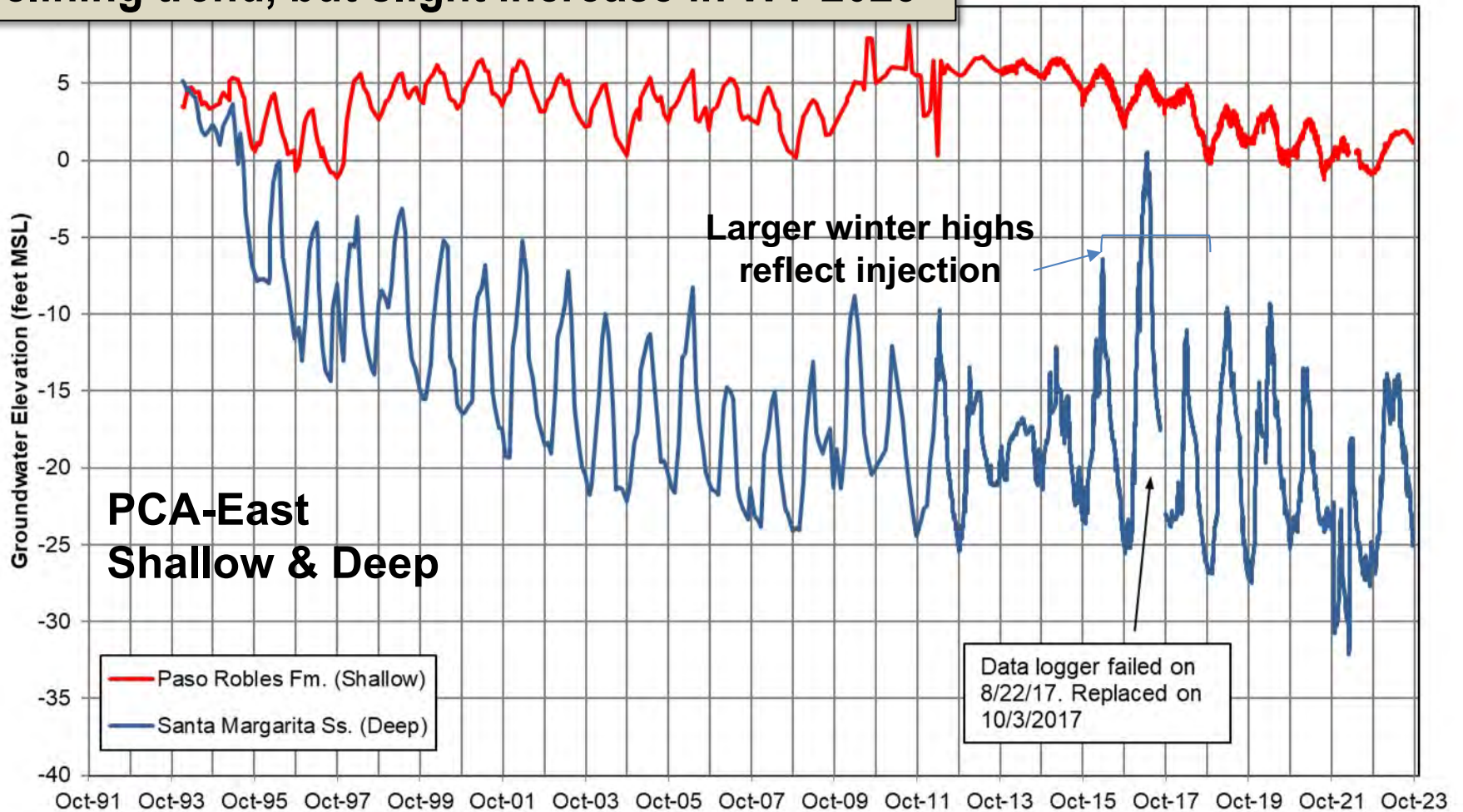
PRECIPITATION

Above-average precipitation in WY 2023, most since WY 2005



NORTHERN COASTAL GROUNDWATER ELEVATIONS

Declining trend, but slight increase in WY 2023



**PCA-East
Shallow & Deep**

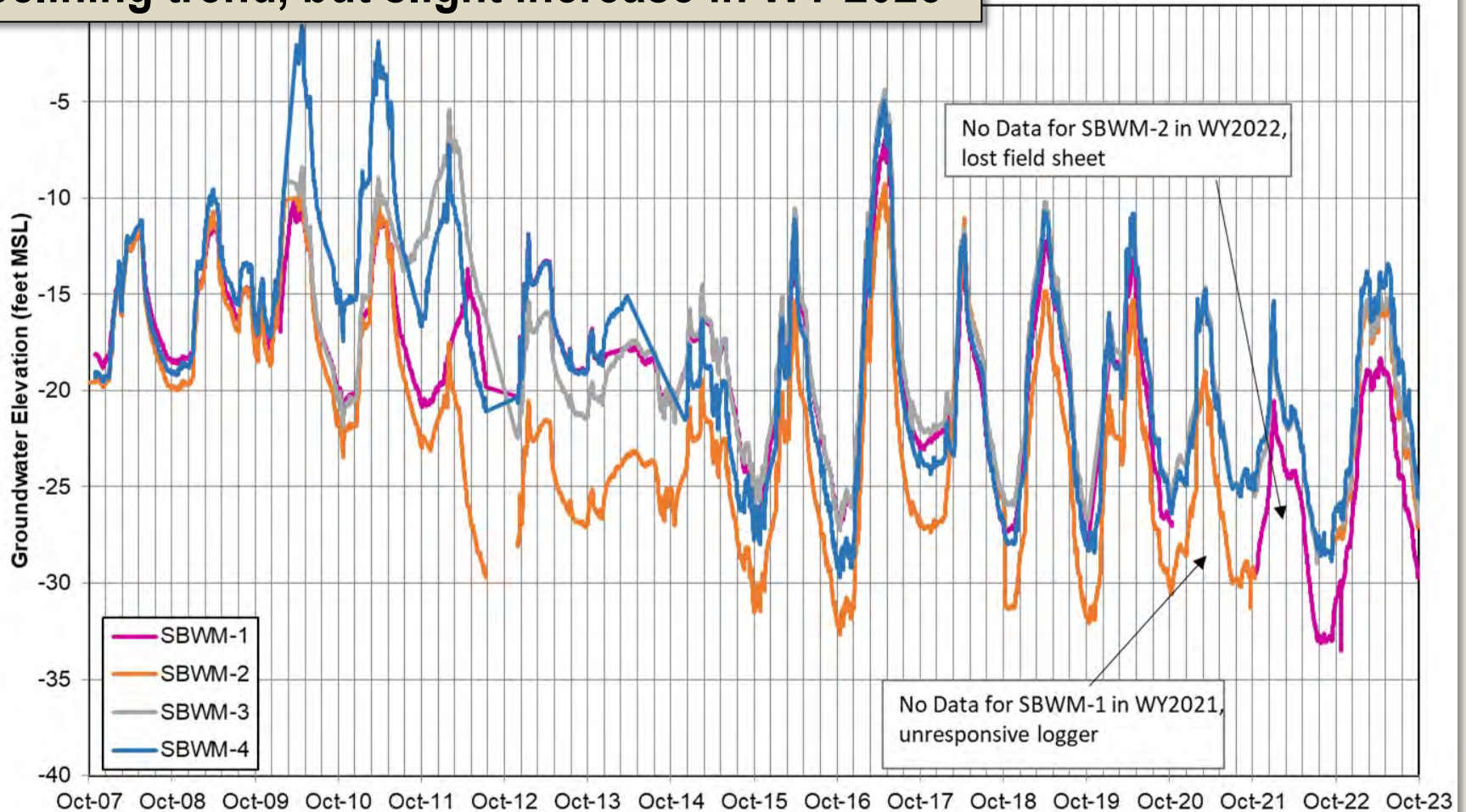
— Paso Robles Fm. (Shallow)
— Santa Margarita Ss. (Deep)

Larger winter highs
reflect injection

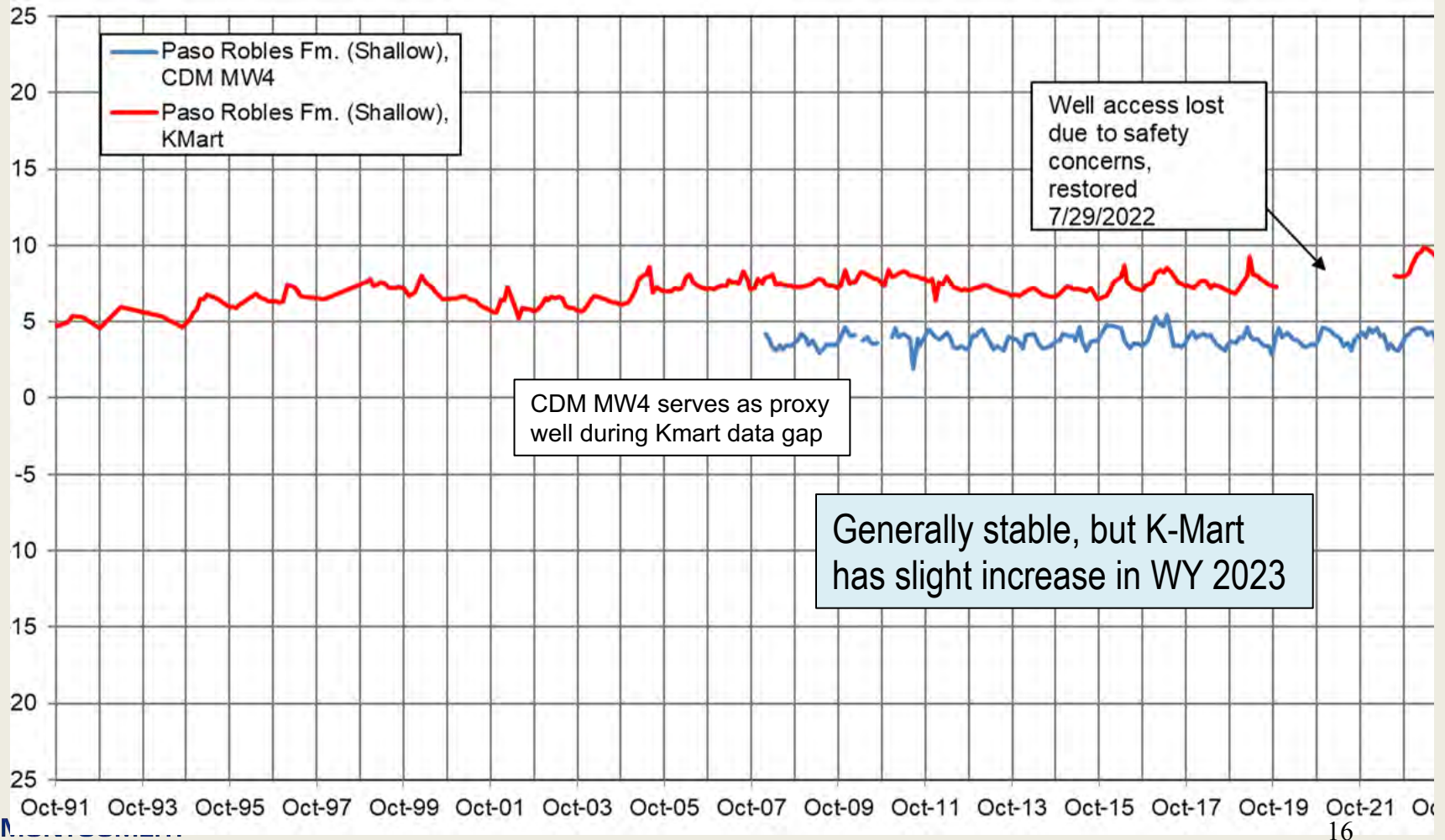
Data logger failed on
8/22/17. Replaced on
10/3/2017

NORTHERN COASTAL GROUNDWATER ELEVATIONS

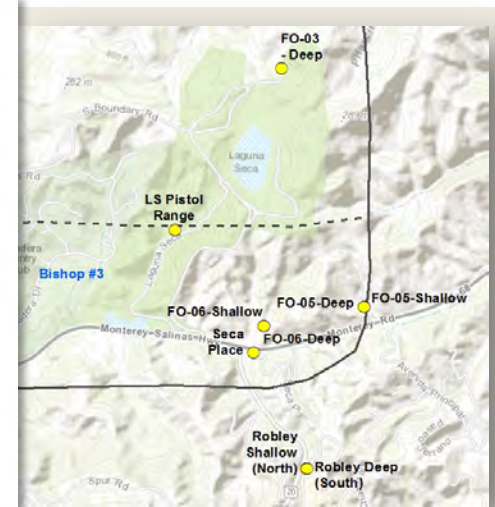
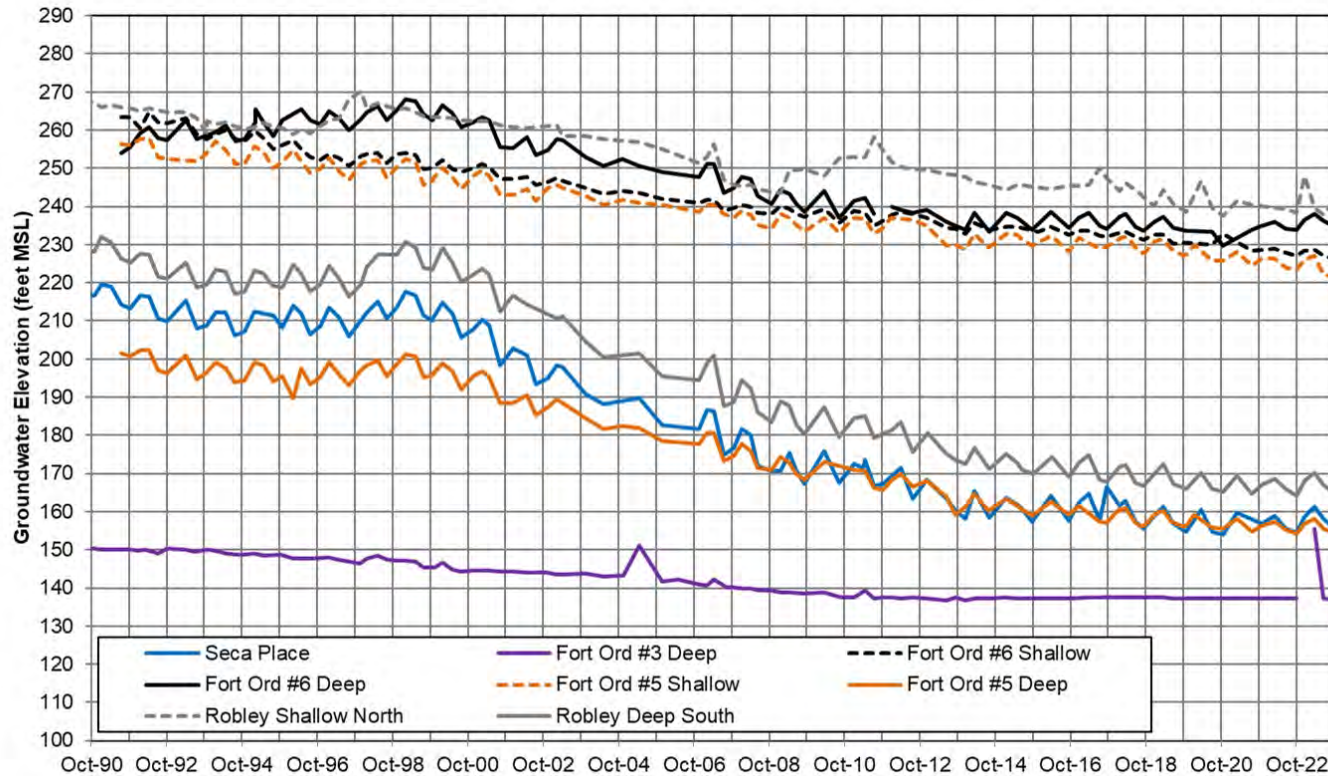
Declining trend, but slight increase in WY 2023



SOUTHERN COASTAL GROUNDWATER ELEVATIONS

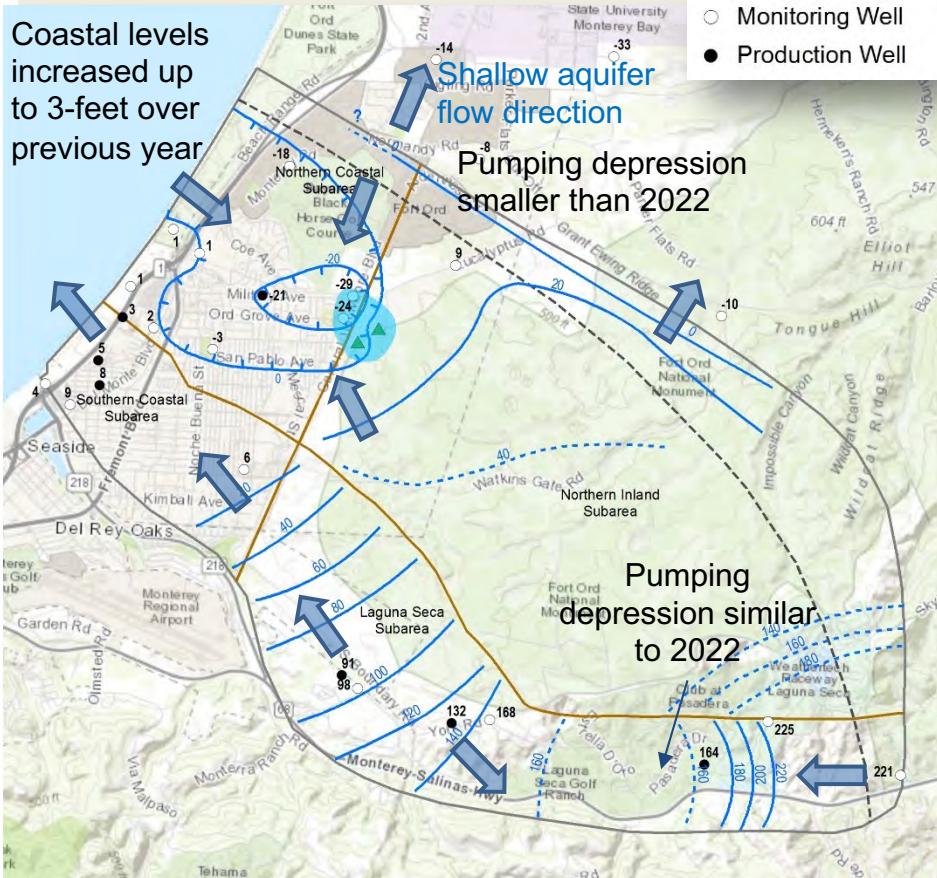


EASTERN LAGUNA SECA GROUNDWATER ELEVATIONS

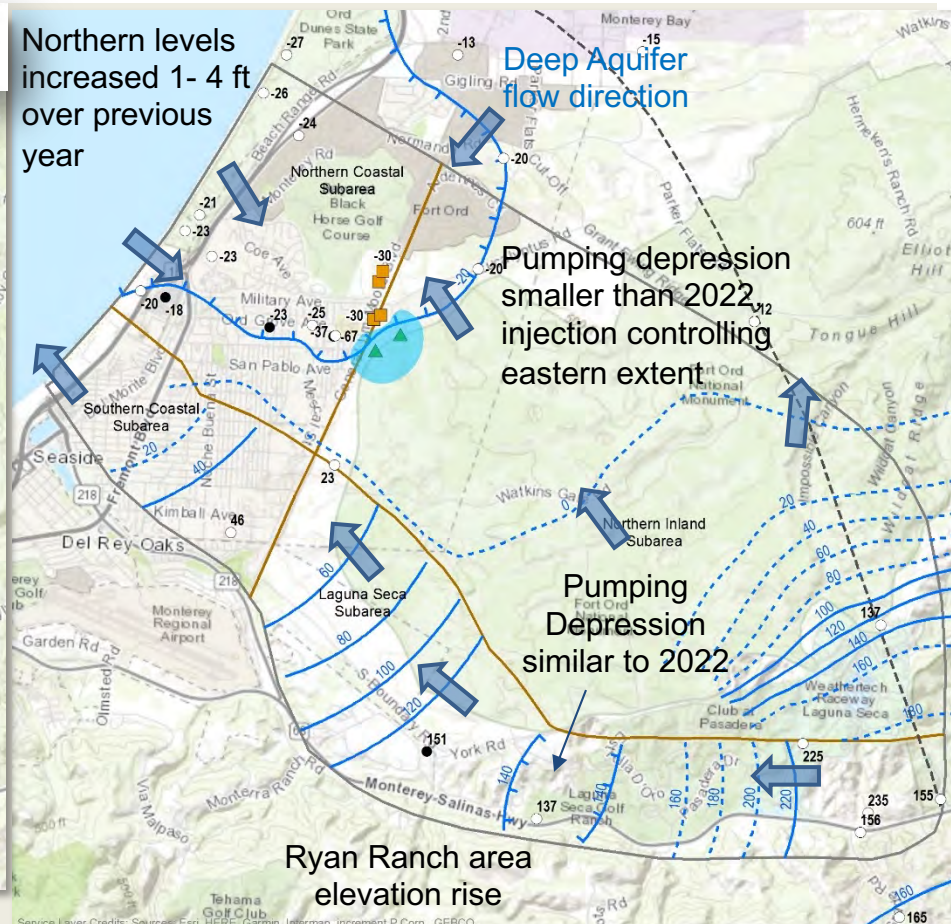


Both deep and shallow aquifer
groundwater levels continue to decline
Current rate = 0.5 feet per year

GROUNDWATER ELEVATION CONTOURS



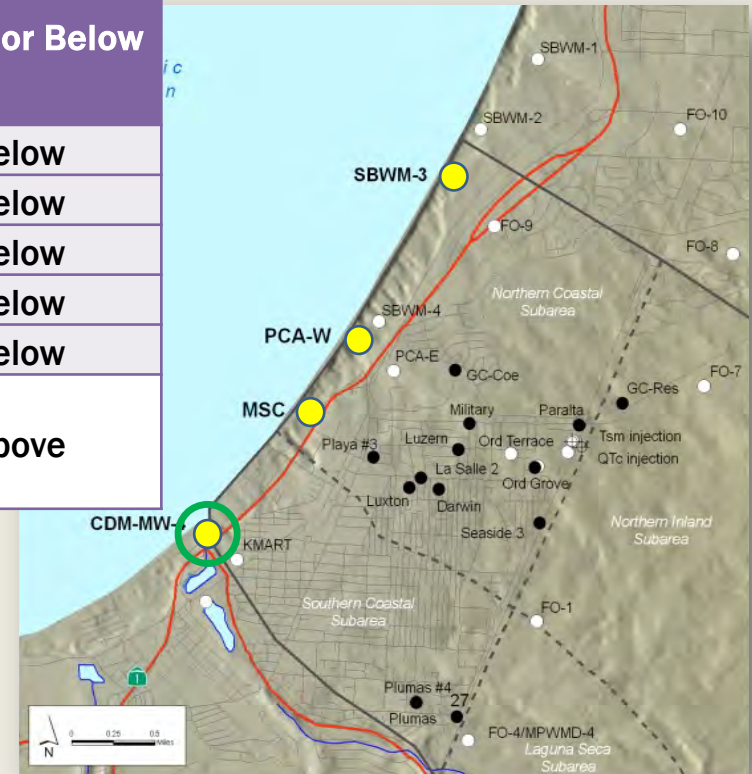
4th Quarter – Paso Robles (Shallow) 2023



4th Quarter – Santa Margarita (Deep) 2023

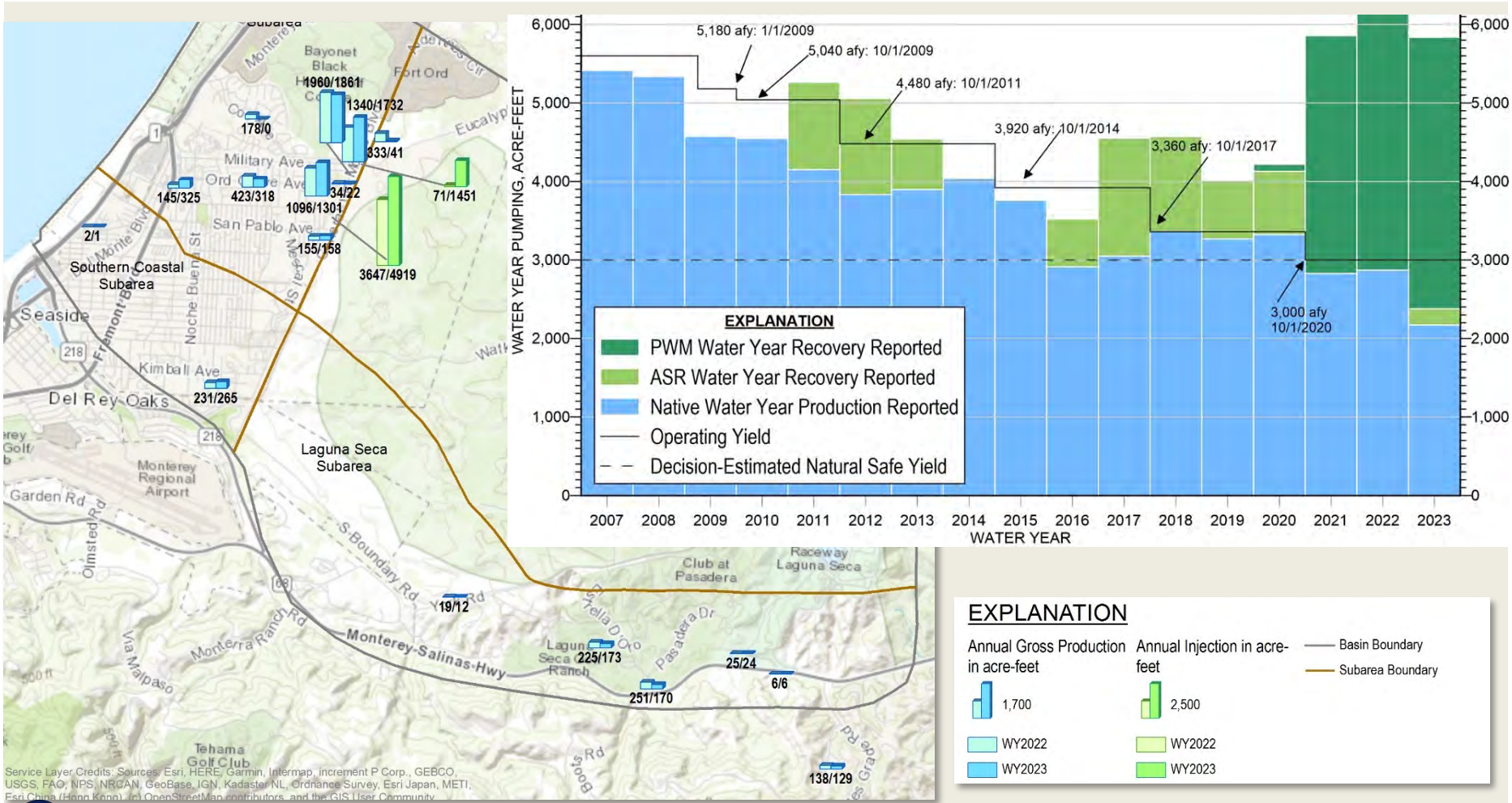
PROTECTIVE GROUNDWATER ELEVATIONS

Subarea	Well	Depth	Protective Elevation, feet amsl	4th Quarter Elevation, feet amsl	Above or Below
Northern Coastal	MSC	Deep	17	-24.6	Below
		Shallow	11	0.9	Below
	PCA-W	Deep	17	-24.1	Below
		Shallow	2	0.8	Below
	Sentinel 3	Deep	4	-26.4	Below
Southern Coastal	CDM-MW4	Shallow	2	3.1	Above



Shallow = Paso Robles Aquifer
 Deep = Santa Margarita Aquifer

GROUNDWATER PRODUCTION WY 2022 VS 2023



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox Contributors, and the GIS User Community

CONCLUSIONS

Increasing conductivity measured by Sentinel Well induction logging indicates seawater intrusion starting in the Paso Robles Formation (shallow aquifer):

- No coastal monitoring wells are screened within the coarser-grained zone with increasing conductivity to be able to verify chloride concentrations within the upper option of the shallow aquifer
- Production wells closest to Sentinel Well 4:
 - Golf course Coe Ave irrigation well is 0.6 miles inland
 - Cal-Am's Playa#3 Well is 0.8 miles to the south

CONCLUSIONS

Conditions in the basin that continue to provide a potential for seawater intrusion:

- All deep groundwater in the Northern Coastal subarea is below sea level
 - 2nd quarter (winter/spring) > 40 feet below sea level
 - 4th quarter (summer/fall) > 60 feet below sea level
- Groundwater levels are below protective elevations in all deep target monitoring wells
- Two of the three shallow wells' groundwater levels are below protective elevations

CONCLUSIONS

Evidence indicating seawater intrusion has not been detected in monitoring and production wells from which water quality samples are collected:

- No groundwater chemistry changes towards seawater in either shallow or deep groundwater
- Chloride concentration trends were stable for most monitoring wells
 - Decrease > 20 mg/L in FO-10 Deep and Ord Terrace Shallow
- Sodium/chloride molar ratios at most monitoring wells remained constant or increased over the past year. FO-10 Shallow outside the basin has a molar ratio below 0.86

CONCLUSIONS

- Groundwater level declines in the Laguna Seca subarea continue at a rate of around 0.5 feet per year
 - Cal-Am no longer pumps groundwater from Ryan Ranch and Bishop Systems
- Native groundwater production in the Seaside Groundwater Basin for Water Year 2023 was 2,173 acre-feet:
 - 698 acre-feet less than Water Year 2022
 - 827 acre-feet less than the Decision-ordered Operating Yield of 3,000 acre-feet per year required since October 1, 2020

RECOMMENDATIONS

1. Remove lost transducer and steel cable from SBWM-3
2. EKI and MCWD GSA should be informed that SBWM-1 and SBWM-2 are starting to show increasing conductivity in induction logs
3. Verify chloride concentrations and water chemistry in the 140 – 200 foot zone of SBWM-4
4. Destroy and replace FO-10 Shallow and FO-10 Deep to prevent cross contamination between the Paso Robles and Santa Margarita aquifers

QUESTIONS?

**SEASIDE GROUNDWATER BASIN WATERMASTER
REGULAR MEETING MINUTES**

Wednesday, January 3, 2024 In-Person

Monterey One Water Board Room, 5 Harris Court, Building “D”, Ryan Ranch, Monterey, California

I. CALL TO ORDER – Mayor Oglesby called the meeting to order at 2:05p.m.

II. ROLL CALL

City of Seaside – Mayor Ian Oglesby

City of Sand City – Mayor Mary Ann Carbone

California American Water (CAW) – Director Chris Cook

Monterey Peninsula Water Management District (MPWMD) – Director Alvin Edwards, Alternate

City of Monterey – Council Member Kim Barber

City of Del Rey Oaks – Council Member Kim Shirley

Monterey County/Monterey County Water Resources Agency – Supervisor Wendy Root Askew

Laguna Seca Subarea Landowner – Director John Gaglioti

Absent:

Coastal Subarea Landowner – Director Paul Bruno

Others Present:

Laura Paxton, Watermaster Administrative Officer (AO)

Jonathan Lear, MPWMD

Remleh Scherzinger, General Manager, Marina Coast Water District (MCWD)

Mike McCullough, External Affairs, Monterey One Water (M1W)

Kevin Dayton, Monterey resident

III. ELECTION AND APPOINTMENT OF OFFICERS FOR CALENDAR YEAR 2024

A. Chairperson - (Must be a member of the Board of Directors) – Currently Mayor

B. Vice Chairperson - (Must be member of the Board of Directors) – Currently Mayor Carbone

C. Secretary - (Need not be a member of the Board of Directors) – Currently Admin. Officer Paxton

D. Treasurer - (Need not be a member of the Board of Directors) – Currently Director Gaglioti

Nominations were accepted from the floor: Council Member Barber nominated Mayor Carbone to serve as chair however Mayor Carbone declined due to her commitment to other boards this year and expressed willingness to serve next year; Council Member Barber rescinded her nomination of Mayor Carbone. Director Gaglioti nominated Mayor Oglesby to continue as chair.

There was unanimous consent 8-0 to appoint Mayor Oglesby as Chair.

Director Edwards nominated Supervisor Askew to serve as vice chair, and Director Gaglioti nominated Mayor Carbone to continue serving as vice chair. AO Paxton read a comment submitted from Director Bruno who was absent: *Given that officer elections were held not that many meetings ago, I believe that it would be appropriate to nominate the existing officers to continue in the same positions.* There were no further nominations for board chair and vice chair and nominations from the floor were closed.

It was moved by Director Gaglioti and seconded by Council Member Barber to appoint Mayor Carbone as Vice Chair of the Watermaster Board of Directors.

Director Cook – Yes (3 votes)

Mayor Ian Oglesby – Aye (2 votes)

Mayor Mary Ann Carbone – Yes (1 vote)

Director Alvin Edwards – No (2 votes)

Director John Gaglioti & Alternate for Coastal Subarea Landowner – Yes (½ and ½ vote)

Council Member Kim Barber – Yes (1 vote)

Council Member Kim Shirley – No (1 vote)

Supervisor Wendy Root Askew – Yes (2 votes)

With the passing of the above motion, the separate vote for Supervisor Askew as Vice Chair was not taken. Council Member Barber nominated AO Paxton as secretary.

There was unanimous consent 8-0 to appoint AO Paxton as Secretary.

Director Gaglioti nominated Supervisor Askew as treasurer.

There was unanimous consent 8-0 to appoint Supervisor Askew as Treasurer.

IV. PUBLIC COMMUNICATIONS – There were no public communications.

V. REVIEW OF AGENDA – As requested by staff, the board concurred due to the absence of Technical Program Manager Jaques to defer the closed session item to the February board meeting.

VI. ORAL PRESENTATION – None

VII. CONSENT CALENDAR

- A. Minutes of Regular Board meeting held November 1, 2023
- B. Board and Technical Advisory Committee (TAC) schedule of 2024 meetings
- C. Summary of Payments made September through October 2023
- D. Fiscal Year 2023 Financial Reports through November 30, 2023
- E. Professional Service Contracts for Fiscal Year 2024
- F. Water Year 2024 Declaration of Unavailability of Artificial Replenishment Water (Water Year 2024 Production Allocations and Basin Storage Allocations attached)
- G. Seawater Intrusion Analysis Report for 2023.
- H. Acknowledgement that the extraction of water identified in the City of Seaside Notice of Intent for Assignment and Transfer of Production Allocation dated November 1, 2023 will be from California American Water wells, not from City of Seaside well

Director Gaglioti requested Item G and Director Cook requested Item F be pulled for discussion.

It was moved by Supervisor Askew, seconded by Council Member Shirley, and unanimously carried 8-0 to approve Consent Calendar Items A-E and H.

Responding to Director Cook regarding consent item F, AO Paxton explained that the 753.95 acre-foot (AF) of carryover portioned to 2024 CAW allocation was primarily a result of the wet winter in 2023 reducing Alternative Producer (AP) production. The unpumped AP production in 2023 is then portioned in 2024 per Decision percentages to Standard Producers including CAW. Such carryover is unrelated to Aquifer Storage and Recovery or other water supply project storage in the basin and the unused portion of carryover can be carried forward to future years.

It was moved by Director Cook, seconded by Director Gaglioti, and unanimously carried 8-0 to approve Consent Calendar Item F.

Director Gaglioti felt the board would benefit from a review of the SIAR, most importantly to gain a better understanding of slight chloride level increase trends at the sentinel wells.

It was moved by Director Gaglioti, seconded by Council Member Barber, and unanimously carried 8-0 to approve Consent Calendar Item G with the requirement that a presentation of the report be provided by Watermaster technical consultants Montgomery and Associates, authors of the 2023 Seawater Intrusion Analysis Report, at the February 7, 2024 Watermaster board meeting.

VIII. NEW BUSINESS

A. Discuss/Consider Approving Water Year 2023 Watermaster Annual Report.

Mr. Kevin Dayton, Monterey resident addressed the board stating he appreciated the information annual reports provide. He has compiled production report data over some multiple years of annual reports into one spreadsheet for his own reference, comparing the data to other water agency annual production reports he has compiled. He requested full production data in Excel format dating since Watermaster inception, to be provided to him by AO Paxton. In response to Director Askew requesting a compiled water production report since Watermaster inception as Mr. Dayton has compiled, and Director Edwards inquiring as to how annual reports are made public, Director Cook advised that there is an updated Watermaster website being developed that could provide more prominently than the current site historical production data and annual reports for public consumption. AO Paxton will consider ways to provide a compiled water production report and wider distribution of annual reports.

It was moved by Director Gaglioti, seconded by Director Askew, and unanimously carried 8-0 to approve the Water Year 2023 Watermaster Annual Report as presented.

IX. OLD BUSINESS

A. Consider format for future Watermaster board meetings.

Mayor Carbone offered the City of Sand City offices for in-person/virtual Watermaster Board meetings at no cost. Director Gaglioti suggested inquiring into the Monterey Peninsula Airport District Board offices. Mayor Oglesby considered the City of Seaside Council Chambers a possibility. The Board consented to tabling the item until Directors Bruno and Riley were present.

X. INFORMATIONAL REPORTS (No Action Required)

- A. Technical Advisory Committee (TAC) draft meeting minutes December 13, 2023**
- B. Replenishment Ad Hoc Committee (RAHC) draft meeting minutes November 1, 2023**
- C. Watermaster report of production of the Seaside Basin through Water Year 2023 (October 1, 2021 – September 30, 2023)**
- D. Replenishment Fund Assessment calculations and 2023 Standard Producer Assessments**
- E. Sentinel Well #4 damage repair update to TAC dated December 13, 2023**
- F. Sustainable Groundwater Management Act Monthly Updates October – November 2023**

XI. DIRECTOR'S REPORTS

Director Cook reported on the Aquifer Storage and Recovery Program, noting that as the rains fill the Carmel River, excess flow can be captured and injected by MPWMD into the Seaside Basin. Three times recently the permit allowance for excess flow to be captured was nearly reached; it is hoped that excess can begin to be captured in the near future.

XII. STAFF COMMENTS – AO Paxton reported that Counsel Hughes will submit the Annual Report to Judge Thomas W. Wills at Monterey County Superior Court. Counsel will work with Judge Wills' office to inform him of the incoming document, and to obtain an official assignment order from previous Judge O'Farrell to Judge Wills.

The February 7, 2024 Watermaster board meeting is scheduled to be held for a presentation by Counsel Hughes on funding options, and to consider the closed session item.

I. CLOSED SESSION

Pursuant to Government Code §54956.9(c), the board will confer with district counsel to review one matter of potential litigation – The closed session item was deferred to the next board meeting.

II. ADJOURNMENT – There being no further business, the meeting was adjourned at 2:50 p.m. to a regular Board meeting to be held Wednesday, February 7, 2024 – 2:00 p.m., in person.

Respectfully submitted by Laura Paxton, Board Secretary

SEASIDE GROUNDWATER BASIN WATERMASTER							ITEM V.B.
							2/7/24
TO:	Board of Directors						
FROM:	Laura Paxton, AO						
DATE:	February 7, 2024						
SUBJECT:	Summary of Payments made October through December 2023						
RECOMMENDATIONS:							
Consider approving bill payments submitted and authorized to be paid December 2023							
Summary of Payments Made December 2023							
Klein DeNatale Goldner (Counsel Hughes - Admin Services)						1.2 @300	\$ 360.00
December 31, 2023							
Annual Report submittal research; new WM judge appointment process							
						0.4 @ 300	
Klein DeNatale Goldner (Counsel Hughes - Replenishment Services)						0.5 @375	\$ 307.50
December 31, 2023							
Telecon w/Paxton; Hughes & Alex Dominguez confer re: replenishment funding							
						Total Klein DeNatale Goldner	\$ 667.50
Paxton Associates (Administrative Officer (AO))						51 @110	\$ 5,610.00
November 26 through December 25, 2023							
Responded to telephone inquiries, e-mail, and other correspondence as needed regarding the Seaside Basin; process Capital Assessment revenues/deposit at City of Seaside; prepare minutes of 11/1 board meeting; prepare minutes of 11/1 Replenishment Ad Hoc Committee meeting; confer w/Hughes re: replenishment & virtually attended board meeting locations & disruption; draft agenda for 1/3/24 board meeting/prepare item transmittals; revise free/not free carryover format & revise annual report; MCWD revisions to annual report; confer w/legal re SNG well litigation; Routinely picked up mail from PO Box; reconciled accounts to the City of Seaside Watermaster accounts; prepared financial reports; processed invoices; reviewed and posted items to web site							
Paxton Associates (New Website Construction)						5 @110	\$ 550.00
						Total Paxton Associates	\$ 6,160.00
Robert Jaques (Technical Program Manager)							
December 1 through December 31, 2023						36 @150	\$ 5,400.00
Responded to emails, telephone inquiries, and other correspondence on a variety of Watermaster issues; Prepare agenda transmittals for 1/3/24 Board meeting; prepare TAC agenda packet/minutes/script for 12/13 meeting; prepare annual report to court/MCWD edits/free-not-free carryover change; attend GSA meetings; review/edit SIAR; review WM letter to Seaside re: transferring water credits; provide comments to M&A on FO-09 well report; review/approve Paxton and M&A invoices							
Montgomery & Associates (General Consulting)						0.5 \$228/hr	\$ 114.00
November 1 through November 30, 2023						1.5 \$205/hr	\$ 307.50
RFS 2023-01							421.50
Coordinate with staff on AEM data review; acquire updated DWR AEM reports with corrected figures; and review AEM data reports.							

Montgomery & Associates (FO-09 Well Installation Capital Project)				31.0	\$228	\$ 7,068.00		
November 1 through November 30, 2023				0.5	\$205	\$ 102.50		
RFS 2023-02 SIAR				30.0	\$182	\$ 5,460.00		
				32.0	\$160	5,120.00		
				27.0	\$118	\$ 3,186.00		
						\$ 20,936.50		
Montgomery & Associates (FO-09 Well Installation Capital Project)				18.5	\$228/hr	\$ 4,218.00		
November 1 through November 30, 2023				39.0	\$182/hr	\$ 7,098.00		
RFS 2023-03 F-09 Well Installation				0.5	\$110/hr	\$ 55.00		
				1.5	\$65/hr	\$ 97.50		
				42.0	\$118/hr	\$ 4,956.00		
Maggiore Brothers Well Installers						\$ 150,330.00		
Travel to and from Seaside CA /Danville CA to oversee well completion; coordinate and oversee annular seal placement, well development, surface completion, and well vault installation; coordinate video log; field and contractor coordination; prepare interpreted borehole lithology and prepare lithologic log and final as-built summary figure; and review subcontractor invoice and request corrections. Prepare well installation technical memorandum with lithologic log, field logs and project photos, as-built summary figure; coordinate review of lithologic log and hydrogeologic interpretation; coordinate deliverables review of well installation technical memorandum; and revise technical memorandum to include easement, encroachment permit, and note video survey was not completed.					+10%	\$ 15,033.00		
				Mileage/Expenses				\$ 634.31
								\$ 182,421.81
Total Montgomery & Associates November 2023						\$ 203,779.81		
Montgomery & Associates (General Consulting)				1.5	\$228/hr	\$ 342.00		
December 1 through December 31, 2023				22.0	\$205/hr	\$ 4,510.00		
RFS 2023-01						4,852.00		
Review DWR AEM Survey main report for Monterey County region and review appendices of vertical profiles; compare AEM data with known SWI areas in Monterey Subbasin areas; prepare slides and figures for DWR AEM survey review presentation; review DWR AEM profiles of raw resistivity, percent coarse, and hydrostratigraphic models; develop summary slides of DWR AEM Survey results; prepare figures to show structural features visible from AEM profiles; spot-check AEM based lithology depths with Seaside Basin model layering and USGS well data sets; revise draft slides based on staff review; prepare for and attend TAC Meeting and present review of DWR AEM Survey and respond to questions; and review past estimations of useable storage space.								
Montgomery & Associates (FO-09 Well Installation Capital Project)				15.0	\$228	\$ 3,420.00		
December 1 through December 31, 2023				0.5	\$182	\$ 91.00		
RFS 2023-02 SIAR				6.5	\$160	1,040.00		
				7.5	\$118	\$ 885.00		
				5.5	\$65	\$ 357.50		
						\$ 5,793.50		

Montgomery & Associates (FO-09 Well Installation Capital Project)				2.5	\$228/hr	\$	570.00	
December 1 through December 31, 2023				6.5	\$182/hr	\$	1,183.00	
RFS 2023-03 F-09 Well Installation				Mileage/Expenses		\$	132.31	
Revise final draft FO-09R Shallow report; report review and finalization; senior review of report; send draft report to client for review; finalize well installation report based on comments received from B. Jaques; and provide final well report to B. Jaques.						\$	1,885.31	
				Total Montgomery & Associates December 2023			\$	12,530.81
Paxton Imaging						\$	3,350.00	
January 1 - December 31, 2023								
Website Administration								
				Grand Total December 2023			\$	231,888.12

Seaside Groundwater Basin Watermaster
Budget vs. Actual Administrative Fund
Fiscal Year (January 1 - December 31, 2023)
Balance through December 31, 2023

	2023 Adopted Budget October 5, 2022	Contract Amount	Year to Date Revenue / Expenses
Available Balances & Assessments			
Other Assessments	-		
FY (Rollover)	39,500.00		55,111.67
Admin Assessments	60,500.00		60,500.00
Available	100,000.00		115,611.67
Expenses			
Contract Staff	60,000.00	60,000.00	57,580.70
PAC / 3D Basin Modeling	3,000.00	3,000.00	3,000.00
Legal Counsel	12,000.00	20,000.00 *	
General Replenishment			3,480.00
			6,536.25
			10,016.25
Filing fees and postage			-
Total Expenses	75,000.00	83,000.00	70,596.95
Total Available	25,000.00		
Dedicated Reserve	25,000.00		-
Net Available	-		45,014.72

* \$8,000 of the contracted amount is an approximation of expenditures related to the Replenishment Fund

Seaside Groundwater Basin Watermaster
Budget vs. Actual Monitoring & Management - Operations Fund
 Fiscal Year (January 1 - December 31, 2023)
 Balance through December 31, 2023

	<u>2023 Adopted Budget</u>	<u>Contract Encumbrance</u>	<u>Year to Date Revenue/Expenses</u>
Available Balances & Assessments			
Operations Fund Assessment	\$ 274,930.00	\$ -	\$ 274,930.00
Pass Through		-	3,678.00
FY 2022 Rollover (estimated)	50,000.00	-	50,000.00
Total Available	\$ 324,930.00	\$ -	\$ 328,608.00
Appropriations & Expenses			
GENERAL			
Technical Project Manager*	\$ 75,000.00	\$ 75,000.00	\$ 59,925.00
Contingency @ 10% (not including TPM)	32,600.00	-	
Total General	\$ 107,600.00	\$ 75,000.00	\$ 59,925.00
CONSULTANTS (Montgomery; Web Site Database)			
Program Administration	\$ 22,744.00	\$ 25,144.00	\$ 15,890.33
Production/Lvl/Qlty Monitoring	8,600.00		
Basin Management	70,000.00		
Seawater Intrusion Analysis Report	27,176.00	27,176.00	26,730.00
Total Consultants	\$ 128,520.00	\$ 52,320.00	\$ 42,620.33
MPWMD			
Production/Lvl/Qlty Monitoring	\$ 49,754.00	64,297.00	18,212.18
Pass Through 2023	20,042.00	-	6,501.00
Basin Management	-	-	-
Seawater Intrusion	-	-	-
Direct Costs	-	-	-
Total MPWMD	\$ 69,796.00	\$ 64,297.00	\$ 24,713.18
CONTRACTOR (Martin Feeney)			
Hydrogeologic Consulting Services	\$ 4,000.00	4,000.00	600.00
Production/Lvl/Qlty Monitoring	11,014.00	11,013.30	-
	\$ 15,014.00	\$ 15,013.30	\$ 600.00
CONTRACTOR (Todd Groundwater)			
Hydrogeologic Consulting Services	\$ 4,000.00	\$ 4,000.00	-
Total Appropriations & Expenses	\$ 324,930.00	\$ 210,630.30	\$ 127,858.51
Total Available	-		200,749.49

**Seaside Groundwater Basin Watermaster
Budget vs. Actual Monitoring and Management - Capital Fund
Fiscal Year (January 1 - December 31, 2023)
Balance through December 31, 2023**

	2023 Adopted Budget December 7, 2022	Contract Encumbrance	Year to Date Revenue / Expense
Available Balances and Assessments:			
Monitoring & Management Fund - Capital	\$ 240,000.00		\$ 48,902.08
FY 2022 carryover	66,666.99		66,666.99
Transfer out to Operations Fund	-		-
Subtotal	<u>306,666.99</u>		<u>115,569.07</u>
Appropriations & Expenses:			
Professional Services			
Project Management	-	\$ 23,600.00 *	14,612.27
Subtotal	<u>-</u>	<u>23,600.00</u>	<u>14,612.27</u>
Direct Costs			
Well Drilling -	240,000.00 **	258,197.00	213,106.20
Subtotal	<u>240,000.00</u>	<u>258,197.00</u>	<u>213,106.20</u>
Total Appropriations and Expenses	<u>240,000.00</u>	<u>\$281,797.00</u>	<u>227,718.47</u>
Total Available	<u><u>\$ 66,666.99</u></u>		<u><u>\$ (112,149.40)</u></u>

* RFS 2022-05 for \$23,600 covers design and planning for the new well and is funded by the 2022 \$66,667 carryover amount

**RFS 2023-03 for \$258,197 is for actual construction of the well. Costs increased between adoption of the budget and letting of the RFS with Montgomery and Associates. Watermaster will share the \$258,197 well construction expenses with MCWD & MPWMD - agreement executed September 2023. Capital Fund Assessments were levied on Watermaster Standard Producers, payment due to Watermaster December 15, 2023.

Seaside Groundwater Basin Watermaster											VII.C
Replenishment Fund											2/7/23
Water Year 2023 (October 1 - September 30) / Fiscal Year (January 1 - December 31, 2023)											Page 1
Balance through December 31, 2023											
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Assessment Water Year	WY 05/06	WY 06/07	WY 07/08	WY 08/09	WY 09/10	WY 10/11	WY 11/12	WY 12/13	WY 13/14	WY 14/15	WY 15/16
Unit Cost:	a \$1,132 / \$283	\$1,132 / \$283	\$2,485 / 621.25	\$3,040 / \$760	\$2,780 / \$695	\$2,780 / \$695	\$2,780 / \$695	\$2,780 / \$695	\$2,702/\$675.50	\$2,702/\$675.50	\$2,702/\$675.50
Cal-Am Water Balance Forward	b \$ -	\$ 1,641,004	\$ 4,226,710	\$ (2,871,690)	\$ (2,839,939)	\$ (3,822,219)	\$ (6,060,164)	\$ (8,735,671)	\$ (6,173,771)	\$ (3,102,221)	\$ (676,704)
Cal-Am Water Production (AF)	c 3,710.00	4,059.90	3,862.90	2,966.02	3,713.52	3,416.04	3,070.90	3,076.61	3,232.10	2,764.73	1,879.21
Cal-Am Water NSY Over-Production (AF)	d 1,862.69	2,266.32	2,092.16	1,241.27	1,479.47	1,146.71	820.48	856.42	1,032.77	782.17	-
Exceeding Natural Safe Yield Considering Alternative Producers	e \$ 2,106,652	\$ 2,565,471	\$ 5,199,014	\$ 3,773,464	\$ 4,112,933	\$ 3,187,854	\$ 2,280,943	\$ 2,380,842	\$ 2,790,539	\$ 2,113,414	-
Operating Yield Overproduction Replenishment	f \$ -	\$ 20,235	\$ 8,511	\$ -	\$ -	\$ -	\$ 154,963	\$ 181,057	\$ 281,012	\$ 312,103	-
Total California American	g \$ 2,106,652	\$ 2,585,706	\$ 5,207,525	\$ 3,773,464	\$ 4,112,933	\$ 3,187,854	\$ 2,435,907	\$ 2,561,899	\$ 3,071,550	\$ 2,425,516	\$ -
CAW Credit Against Assessment	h \$ (465,648)		\$ (12,305,924)	\$ (3,741,714)	\$ (5,095,213)	\$ (5,425,799)	\$ (5,111,413)				
CAW Unpaid Balance	i \$ 1,641,004	\$ 4,226,710	(2,871,690)	\$ (2,839,939)	\$ (3,822,219)	\$ (6,060,164)	\$ (8,735,671)	\$ (6,173,771)	\$ (3,102,221)	\$ (676,704)	\$ (676,704)
City of Seaside Balance Forward	j \$ -	\$ 243,294	\$ 426,165	\$ 1,024,272	\$ 1,619,973	\$ 891,509	\$ (110,014)	\$ (773,813)	\$ (1,575,876)	\$ (2,889,325)	\$ (3,346,548)
City of Seaside Municipal Production (AF)	k 332.00	287.70	294.20	293.44	282.87	240.68	233.72	257.73	223.64	185.01	195.16
City of Seaside NSY Over-Production (AF)	l 194.07	153.78	161.99	153.06	113.21	50.84	58.82	85.17	52.71	25.77	37.87
Exceeding Natural Safe Yield Considering Alternative Producers	m \$ 219,689	\$ 174,082	\$ 402,540	\$ 465,300	\$ 314,721	\$ 141,335	\$ 163,509	\$ 236,782	\$ 142,410	\$ 69,630	\$ 102,330
Operating Yield Overproduction Replenishment	n \$ 12,622	\$ 85	\$ 4,225	\$ 16,522	\$ 20,690	\$ -	\$ 1,689	\$ 27,007	\$ 3,222	\$ 38	\$ 11,959
Total Municipal	o \$ 232,310	\$ 174,167	\$ 406,764	\$ 481,823	\$ 335,412	\$ 141,335	\$ 165,198	\$ 263,788	\$ 145,631	\$ 69,667	\$ 114,290
City of Seaside - Golf Courses (APA - 540 AFY)											
Exceeding Natural Safe Yield - Alternative Producer	p -	-	\$ 131,705	\$ 69,701	-	-	-	-	-	-	-
Operating Yield Overproduction Replenishment	q -	-	\$ 32,926	\$ 17,427	-	-	-	-	-	-	-
Total Golf Courses	r \$ -	\$ -	\$ 164,631	\$ 87,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total City of Seaside*	s \$ 232,310	\$ 174,167	\$ 571,395	\$ 568,951	\$ 335,412	\$ 141,335	\$ 165,198	\$ 263,788	\$ 145,631	\$ 69,667	\$ 114,290
City of Seaside Late Payment 5%	t \$ 10,984	\$ 8,704	\$ 26,712	\$ 26,750	\$ 15,737						
In-lieu Credit Against Assessment	u \$ -	\$ -	\$ -	\$ -	\$ (1,079,613)	\$ (1,142,858)	\$ (828,996)	\$ (1,065,852)	\$ (1,459,080)	\$ (526,890)	\$ (162)
City of Seaside Unpaid Balance	v \$ 243,294	\$ 426,165	\$ 1,024,272	\$ 1,619,973	\$ 891,509	\$ (110,014)	\$ (773,813)	\$ (1,575,876)	\$ (2,889,325)	\$ (3,346,548)	\$ (3,232,420)
Mission Memorial Park											
Mission Memorial Park Production (AF)	w 20.80	26.40	20.80	26.40	12.80	22.40	27.00	24.95	24.89	17.97	13.67
Mission Memorial Park NSY Over-Production (AF)	x -	-	-	-	-	-	-	-	-	-	-
Exceeding Natural Safe Yield - Alternative Producer	y -	-	-	-	-	-	-	-	-	-	-
Operating Yield Overproduction Replenishment	z -	-	-	-	-	-	-	-	-	-	-
Total Mission Memorial Park	aa \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Replenishment Fund Balance	bb \$ 1,884,298	\$ 4,652,874	\$ (1,847,417)	\$ (1,219,966)	\$ (2,930,710)	\$ (6,170,178)	\$ (9,509,483)	\$ (7,749,648)	\$ (5,991,546)	\$ (4,023,252)	\$ (3,909,125)
Replenishment Fund Balance Forward	cc \$ -	\$ 1,884,298	\$ 4,652,874	\$ (1,847,417)	\$ (1,219,966)	\$ (2,930,710)	\$ (6,170,178)	\$ (9,509,483)	\$ (7,749,648)	\$ (5,991,546)	\$ (4,023,252)
Total Replenishment Assessments	dd \$ 2,349,946	\$ 2,768,576	\$ 5,805,632	\$ 4,369,165	\$ 4,464,082	\$ 3,329,189	\$ 2,601,104	\$ 2,825,688	\$ 3,217,182	\$ 2,495,183	\$ 114,290
Total Paid and/or Credited	ee \$ (465,648)	\$ -	\$ (12,305,924)	\$ (3,741,714)	\$ (6,174,826)	\$ (6,568,657)	\$ (5,940,409)	\$ (1,065,852)	\$ (1,459,080)	\$ (526,890)	\$ (162)
Grand Total Fund Balance	ff \$ 1,884,298	\$ 4,652,874	\$ (1,847,417)	\$ (1,219,966)	\$ (2,930,710)	\$ (6,170,178)	\$ (9,509,483)	\$ (7,749,648)	\$ (5,991,546)	\$ (4,023,252)	\$ (3,909,125)
* 2010 = 319.55 AF golf course in-lieu replenishment and 68.8 AF 4-party agmt in-lieu replenishment											
2011 = 411.1 AF golf course in-lieu replenishment											
2012 = 298.2 AF golf course in-lieu replenishment											
2013 = 383.4 AF golf course in-lieu replenishment											
2014 = 552.4 AF golf course in-lieu capped at 540 AF											
2015 = 195.0 AF golf course in-lieu											
2016 = 00.06 AF golf course in-lieu											
2017 = 00.00 AF golf course in-lieu											

Seaside Groundwater Basin Watermaster Replenishment Fund Water Year 2023 (October 1 - September 30) / Fiscal Year (January 1 - December 31, 2023) Balance through December 31, 2023										
	2017	2018	2019	2020	WY 2021	WY 2022	WY 2023	Totals WY 2006 Through 2023	Budget WY 2024	Projected Totals Through WY 2024
Replenishment Fund										
Assessment Water Year	WY 16/17	WY 17/18	WY 18/19	WY 19/20	WY 20/21	WY 21/22	WY 22/23			
Unit Cost:	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,872 / \$718	\$2,947 / \$737	\$3,260 / \$815	\$3,461 / \$865			
Cal-Am Water Balance Forward	\$ (676,704)	\$ (491,747)	\$ (48,797,949)	\$ (47,979,852)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)		\$ (46,855,121)	
Cal-Am Water Production (AF)	2,029.51	2,229.45	2,120.22	2,245.88	1,664.04	1,648.71	1,569.60	49,259.34		
Cal-Am Water NSY Over-Production (AF)	64.40	374.65	284.85	334.21	-	-	-	14,638.57		
Exceeding Natural Safe Yield Considering Alternative Producers	\$ 184,957	\$ 1,075,995	\$ 818,097	\$ 959,859	-	-	-	\$ 33,550,034	-	\$ 33,550,034
Operating Yield Overproduction Replenishment				164,872	-	-	-	\$ 1,122,753	-	\$ 1,122,753
Total California American	\$ 184,957	\$ 1,075,995	\$ 818,097	\$ 1,124,731	\$ -	\$ -	\$ -	\$ 34,672,786	\$ -	\$ 34,672,786
CAW Credit Against Assessment		\$ (49,382,196)	-	-	-	-	-	\$ (81,527,907)	-	\$ (81,527,907)
CAW Unpaid Balance	\$ (491,747)	\$ (48,797,949)	\$ (47,979,852)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)	\$ (46,855,121)
City of Seaside Balance Forward (120.28 AF)	\$ (3,232,420)	\$ (3,142,500)	\$ (3,022,249)	\$ (2,919,806)	\$ (2,802,831)	\$ (2,708,829)	\$ (2,661,184)		\$ (2,661,184)	
City of Seaside Municipal Production (AF)	188.31	184.63	178.40	181.65	174.69	155.12	158.46	4,047.41		
City of Seaside NSY Over-Production (AF)	30.47	32.46	27.82	32.06	25.52	11.69	-	1,247.31		
Exceeding Natural Safe Yield Considering Alternative Producers	\$ 87,512	\$ 93,225	\$ 79,893	\$ 92,089	\$ 75,197	\$ 38,116	-	\$ 2,898,358	0.00	\$ 2,898,358
Operating Yield Overproduction Replenishment	2,409	27,026	22,550	24,886	18,808	9,529	-	\$ 203,263	0.00	\$ 203,263
Total Municipal	\$ 89,920	\$ 120,251	\$ 102,443	\$ 116,975	\$ 94,002	\$ 47,645	\$ -	\$ 3,101,621	0.00	\$ 3,101,621
City of Seaside - Golf Courses (APA - 540 AFY)										
Exceeding Natural Safe Yield - Alternative Producer	-	-	-	-	-	-	-	\$ 201,406		\$ 201,406
Operating Yield Overproduction Replenishment	-	-	-	-	-	-	-	\$ 50,353		\$ 50,353
Total Golf Courses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 251,759		\$ 251,759
Total City of Seaside*	\$ 89,920	\$ 120,251	\$ 102,443	\$ 116,975	\$ 94,002	\$ 47,645	\$ -	\$ 3,353,380	0.00	\$ 3,353,380
City of Seaside Late Payment 5%								\$ 88,887		\$ 88,887
In-lieu Credit Against Assessment								\$ (6,103,451)		\$ (6,103,451)
City of Seaside Unpaid Balance	\$ (3,142,500)	\$ (3,022,249)	\$ (2,919,806)	\$ (2,802,831)	\$ (2,708,829)	\$ (2,661,184)	\$ (2,661,184)	\$ (2,661,184)	\$ (2,661,184)	\$ (2,661,184)
Mission Memorial Park (APA - 31 AFY)										
Mission Memorial Park Production (AF)	13.74	14.43	16.07	20.00	46.77	33.95		335.84		
Mission Memorial Park NSY Over-Production (AF)	-	-	-	-	15.77	2.95		18.72		
Exceeding Natural Safe Yield - Alternative Producer	-	-	-	-	\$ 46,488	\$ 9,608		\$ 56,096		\$ 56,096
Operating Yield Overproduction Replenishment	-	-	-	-	11,626.00	2,401.97		\$ 14,028		\$ 14,028
Board Approved (5/4/22) Credit Against Assessment					(33,114.00)	-		\$ (33,114)		\$ (33,114)
\$8,500 Applied to Admin Fund to cover expenses					(8,500.00)	-				
Mission Memorial Park Unpaid Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ 16,500	\$ 12,010	\$ -	\$ 28,510	\$ -	\$ 28,510
Balance of Available Funds								\$ 22,461		
Total Replenishment Fund Balance	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,658)	\$ (49,657,952)	\$ (49,563,950)	\$ (49,516,305)	\$ (49,522,353)	\$ (49,487,795)	\$ (49,516,305)	\$ (49,516,305)
Replenishment Fund Balance Forward	\$ (3,909,125)	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,658)	\$ (49,657,952)	\$ (49,563,950)	\$ (49,516,305)		\$ (49,522,353)	
Total Replenishment Assessments	\$ 274,877	\$ 1,196,246	\$ 920,540	\$ 1,241,706	\$ 110,502	\$ 59,655	\$ -	\$ 38,143,563	\$ -	\$ 38,143,563
Total Paid and/or Credited		\$ (49,382,196)			\$ (16,500)	\$ (12,010)		(87,659,868)		(87,659,868)
Total Paid for Replenishment Legal Services								(6,049)		(6,049)
Grand Total Fund Balance	\$ (3,634,247)	\$ (51,820,198)	\$ (50,899,658)	\$ (49,657,952)	\$ (49,563,950)	\$ (49,516,305)	\$ (49,522,353)	\$ (49,522,353)	\$ (49,522,353)	\$ (49,522,353)

TO: Watermaster Board of Directors
FROM: Laura Paxton, Administrative Officer
DATE: February 7, 2024
SUBJECT: Options for in-person vs. hybrid board meetings

RECOMMENDATIONS:

It is recommended that the Board consider board meeting format options.

BACKGROUND:

At its September 6, 2023 regular meeting, the Board approved having the Watermaster’s Technical Advisory Committee hold its meetings virtually while complying with traditional Brown Act teleconferencing requirements, defined Watermaster jurisdiction as within the bounds of areas represented by its board members, and directed staff to present options for conducting future board meetings in-person versus virtually. Staff presented options at the November 1, 2023 board meeting and for various reasons the item was deferred twice, to be presented at this meeting if the full board was in attendance.

DISCUSSION:

Virtual, or remote events are those in which everyone attends online. Staff noted that in general directors’ emphasis during the November 1, 2023 board meeting discussion was more on the importance of public participation and less on the ability of board members to attend virtually. Therefore, staff chose to present options between continuing to hold in-person meetings or changing format to hybrid meetings with a centralized in-person meeting held that has public virtual attendance capabilities. Original Brown Act teleconferencing rules however remain available to board members for virtual attendance under certain circumstances and requirements.

There have been many instances locally and throughout the state of a public member attending a government meeting virtually to voice offensive remarks. Webinar-based software (as opposed to open meeting software that Watermaster uses) is used by some agencies to control these instances by denying virtual audio/visual connection by attendees however it seems to me that this defeats the purpose of conducting virtual meetings for public participation. Counsel Hughes has assured that if such an incident occurs in person at a board meeting or virtually, the meeting can be shut down immediately.

The Monterey One Water board room has virtual capability however Watermaster would be charged \$86.14 per hour for a technician to operate the equipment during its meetings unless Watermaster purchases its own virtual meeting camera/audio device. Director Askew has offered the county district offices in Marina that are virtually capable to hold future Watermaster meetings: Though the offices are outside the bounds of the Seaside Basin, Watermaster has defined its jurisdiction as within the bounds of areas represented by its board members, and Legal Counsel Hughes found a case could be made that no one is harmed by meetings held there.

At the January 3rd Board meeting, Director Gaglioti suggested contacting the Monterey Regional Airport District for board meeting accommodations: the results were the same as M1W room use, there would be a fee for virtual technology use. Mayor Carbone has offered the City of Sand City Council Chambers that has remote capabilities.

It is recommended that the Board consider what format it would like to proceed with when conducting future board meetings.

FISCAL IMPACT:

- \$86.14/hour for continued use of Monterey One Water board room adding virtual technician
- Approximately \$1,100 one-time cost of stand-alone virtual tower in lieu of technician
- Approximately \$1,000/year Zoom Webinar software subscription if used
- Possible attorney fees for litigation brought on claiming violation of free speech
- County Supervisor and City of Sand City offices would be cost free
- AO time to administer remotely attended meetings

ATTACHMENTS: None

SEASIDE GROUNDWATER BASIN WATERMASTER
Reported Quarterly and Annual Water Production From the Seaside Groundwater Basin
For All Producers Included in the Seaside Basin Adjudication -- Water Year 2024

(All Values in Acre-Feet [AF])

	Type	Oct	Nov	Dec	Oct-Dec	Jan	Feb	Mar	Jan-Mar	Apr	May	Jun	Apr-Jun	Jul	Aug	Sep	Jul-Sep	Reported Total	Yield Allocation	from WY 2023	for WY 2024
Coastal Subareas																					
CAW - Coastal Subareas	SPA	586.52	463.84	422.73	1,473.09				0.00				0.00				0.00	(292.75)	1,466.03	759.43	2,225.46
	Luzern	46.27	50.24	52.84	149.35				0.00				0.00				0.00	149.35			
	Ord Grove	129.21	126.13	127.82	383.16				0.00				0.00				0.00	383.16			
	Paralta	173.67	140.09	132.23	445.99				0.00				0.00				0.00	445.99			
	Playa	42.56	29.37	0.75	72.68				0.00				0.00				0.00	72.68			
	Plumas	25.54	13.55	0.00	39.10				0.00				0.00				0.00	39.10			
	Santa Margarita	169.27	104.45	109.09	382.81				0.00				0.00				0.00	382.81			
	ASR Recovery	0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00			
	PWM Recovery	(254.47)	(559.38)	(951.99)	(1765.84)				0.00				0.00				0.00	(1,765.84)			
Seaside Municipal		16.88	12.91	11.01	40.81				0.00				0.00				0.00	40.81	120.28	31.15	151.43
	Inlieu Extraction	0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00			
Granite Rock Company	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	11.35	267.49	278.84
DBO Development No. 30	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	20.59	477.26	497.85
Calabrese (Cypress Pacific Inv.)	SPA	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	--	--	--	0.00	0.00	2.76	14.87	17.63
City of Seaside (Golf Courses)	APA	0.000	0.00	0.00	0.00				0.00				0.00				0.00	0.00	540.00		540.00
Sand City	APA	0.07	0.07	0.07	0.21				0.00				0.00				0.00	0.21	9.00		9.00
SNG (Security National Guaranty) / MLDC (Mountain Lake Dev. Corp.)	APA	0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00	90.00		90.00
Calabrese (Cypress Pacific Inv.)	APA	0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00	59.00		59.00
Mission Memorial (Alderwoods)	APA	4.22	2.93	2.54	9.69				0.00				0.00				0.00	9.69	31.00		31.00
Coastal Subareas Totals					-242.05				0.00				0.00				0.00	-242.05	2,356.01	1,550.20	3,906.21
Laguna Seca Subarea																					
CAW - Laguna Seca Subarea	SPA	12.84	11.46	9.93	34.23				0.00				0.00				0.00	34.23	0.00		0.00
	Ryan Ranch Unit	06/21/21: Ryan Ranch Wells #7, #8, and #11 physically disconnected from the distribution system.								0.00				0.00			0.00	0.00			
	Hidden Hills Unit	12.84	11.46	9.93	34.23				0.00				0.00				0.00	34.23			
	Bishop Unit 3	05/27/21: Bishop Wells #1 and #3 physically disconnected from the distribution system.								0.00				0.00			0.00	0.00			
	Bishop Unit 1	The Monterey Main to Ryan Ranch & Bishop Intertie was opened on 12/08/20								0.00				0.00			0.00	0.00			
The Club at Pasadera	APA	6.00	8.00	5.00	19.00				0.00				0.00				0.00	19.00	251.00		251.00
Laguna Seca Golf Resort (Bishop)	APA	20.66	3.29	1.54	25.49				0.00				0.00				0.00	25.49	320.00		320.00
York School	APA	2.25	0.16	0.47	2.88				0.00				0.00				0.00	2.88	32.00		32.00
Laguna Seca County Park	APA	1.17	1.14	0.15	2.46	0.47	0.25	0.84	1.56	2.85	3.63	1.98	8.46	5.16	4.72	1.94	11.82	24.30	41.00		41.00
Laguna Seca Subarea Totals					84.06				1.56				8.46				11.82	105.90	644.00	0.00	644.00
Total Production by WM Producers					-157.99				1.56				8.46				11.82	-136.15	3,000.01	1,550.20	4,550.21
																		Annual Production from APA Producers	81.57		1,379.00
																		Annual Production from SPA Producers	-217.72		3,171.21
CAW / MPWMD ASR (Carmel River Basin source water)																					
Injection		0.00	0.00	37.49	37.49				0.00				0.00				0.00	37.49			
(Recovery)		0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00			
Net ASR		0.00	0.00	37.49	37.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.49			
Pure Water Monterey (PWM) Injection and Cal-Am Recovery																					
	Balance Forward																				
Injection Operating Reserve		1,870.12	0.00	0.00	0.00				0.00				0.00				0.00	1,870.12			
Injection Drought Reserve		0.00	0.00	0.00	0.00				0.00				0.00				0.00	0.00			
Delivery to Basin		254.47	304.91	406.95	966.33				0.00				0.00				0.00	966.33			
CAW		(254.47)	(304.91)	(392.62)	(952.01)				0.00				0.00				0.00	(952.01)			
Balance Forward																					
City of Seaside Golf Course Recycled Water Use/Municipal Potable Water Recovery 2,361AF Max																					
In-lieu Storage/Recycled Water Use		365.03	35.76	12.61	6.55				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	419.96			
City of Seaside Municipal Extraction		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Net In-lieu					54.93				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	419.96			

Notes:

1. The Water Year (WY) begins October 1 and ends September 30 of the following calendar year. For example, WY 2023 begins on October 1, 2023, and ends on September 30, 2024.
2. "Type" refers to water right as described in Seaside Basin Adjudication decision as amended, signed February 9, 2007 (Monterey County Superior Court Case No. M66343).
3. Values shown in the table are based on reports to the Watermaster received by January 15, 2024.
4. All values are rounded to the nearest hundredth of an acre-foot. Where required, reported data were converted to acre-feet utilizing the relationships: 325,851 gallons = 43,560 cubic feet = 1 acre-foot.
5. "Base Operating Yield Allocation" values are based on Seaside Basin Adjudication decision. These values are consistent with the Watermaster Producer Allocations Water Year 2024 (see Item VII.F. in 1/3/2024 Board packet).
6. Any minor discrepancies in totals are attributable to rounding.
7. APA = Alternative Producer Allocation; SPA = Standard Producer Allocation; CAW = California American Water.
8. It should be noted that CAW/MPWMD ASR "Injection" and "Recovery" amounts are not expected to "balance" within each Water Year. This is due to the injection recovery "rules" that are part of SWRCB water rights permits and/or separate agreements with state and federal resources agencies that are associated with the water rights permits.
9. Cal-Am Toro Well #3 Destroyed 09/30/21

SUMMARY OF
PURE WATER MONTEREY, AND
SALINAS VALLEY AND
MARINA COAST WATER DISTRICT GROUNDWATER
SUSTAINABILITY AGENCY ZOOM MEETINGS
IN NOVEMBER AND DECEMBER 2023

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

No meetings were held by any Committees on which I serve or which I monitor during the month of November.

SVBGSA Advisory Committee Meeting, December 7, 2023:

At this meeting the agenda items pertained mainly to the development of a demand management policy, and the setting of a new fee structure, for the SVBGSA. Since neither of these topics directly impacts the Watermaster I did not attend this meeting.

Monterey Subbasin Implementation Committee Meeting, December 13, 2023:

At this meeting items of interest to the Watermaster included:

- A presentation by a County Health Department representative regarding arsenic problems in the groundwater in the Corral de Tierra subarea. She provided information about the locations within that subarea where arsenic levels were the highest, and what options well owner in the impacted areas had available to them to address the problem.
- There was also a presentation regarding the Monterey Subbasin Groundwater Model and planned future updates to that model..

**SUMMARY OF PURE WATER MONTEREY, AND SALINAS VALLEY
AND MARINA COAST WATER DISTRICT GROUNDWATER
SUSTAINABILITY AGENCY ZOOM MEETINGS
IN JANUARY 2024**

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

MPWMD Monterey Peninsula Water Operations Meeting, January 24, 2024:

At this meeting the agenda items pertained to the Pure Water Monterey Project and its Expansion, and ASR operations. The following information was included in the presentations:

- Pure Water Monterey Project:
 - 1,839 AF has been delivered from July 1 to December 31 of 2023.
 - 1,870 AF is in the operating reserve.
 - Anticipate delivering greater than 3,500 AF in Water Year 2024.
 - Delivery of recycled water to the Bayonet/Black Horse golf courses started in February 2023. Through December 2023 420 AF had been delivered to the golf courses.
 - All underground retention time travel time requirements (four months) are being met. The shortest travel time forecasted is from Deep Injection Well-1 (DIW-1) to Cal Am's Paralta well.
 - As of January 9, 2024 tracer study results indicate that:
 - Travel time from DIW-4 to the Ord Grove well is 9.6 months
 - From DIW-4 there is no detection yet at Seaside Muni Well No. 4.
 - Tracer from DIW-3 was detected at ASR-3, but the peak has not yet reached there after 14 months of travel time.
 - With regard to water quality, there have been no violations. There was a coliform detection at monitoring well MW-2AD but after disinfecting the well there was no further detection.
 - In September 2023 there was a total organic carbon (TOC) detection in the product water from the Advanced Purification Water Facility (APWF), but no violation resulted.
- ASR:
 - 2,158 AF of water had been stored as of the end of Water Year 2023.
 - Water year 2024 injection started on January 21, 2024.
 - Injection is only occurring at Wells ASR-1 and ASR-2.
 - As of January 24, 2024 rainfall was 70% of average.
- Pure Water Monterey Expansion Project:
 - The expansion Project will increase the delivery amount to 6,350 AFY. This will include 600 AFY to MCWD and 5,750 AFY to the Seaside Groundwater Basin.
 - The APWF will be expanded from 5 to 7.6 MGD of capacity.
 - Completion of the expansion work is projected to occur in mid-2025.
 - Construction work started in the fall of 2023.
 - Construction of the modifications to the APWF and the wells is currently in progress.
- The next meeting of this group is scheduled for April 2024.