

## LOS OSOS GROUNDWATER BASIN, BASIN MANAGEMENT COMMITTEE

### NOTICE OF MEETING

**NOTICE IS HEREBY GIVEN** that the Los Osos Groundwater Basin, Basin Management Committee Board of Directors will hold a **Regular Board Meeting at 1:30 P.M. on July 16, 2025** at the **Los Osos Community Services District Boardroom**, located at 2122 9th Street, Suite 106, Los Osos, CA 93402 Members of the public may participate in this meeting in person or via teleconference and/or electronically.

For quick access, go to <https://us04web.zoom.us/j/778762508>

(This link will help connect both your browser and telephone to the call)

**If not using a computer**, dial 1 (669) 900-6833 or 1 (346) 248-779 and enter **778 762 508**

All persons desiring to speak during any Public Comment can submit a comment by:

- Email at danheimel@ConfluenceES.com by 5:00 PM on the day prior to the Committee meeting.
- Teleconference by phone at 1 (669) 900-6833 and enter **778 762 508**
- Teleconference by phone at 1 (346) 248-7799 and enter **778 762 508**
- Teleconference meeting at <https://us04web.zoom.us/j/778762508>
- Mail by 5:00 PM on the day prior to the Committee meeting to:  
Attn: Dan HeimeI (Basin Management Committee)  
2122 9th St.  
Suite 110  
Los Osos, CA 93402

**Los Osos Basin Management Committee Website:** Go to <https://www.losososbmc.org/> to view agendas, agenda packets, meeting recordings, important documents, and BMC news. Click "join our mailing list" in the lower right-hand corner of the page to receive email updates and meeting notifications.

*Directors: Agenda items are numbered for identification purposes only and may not necessarily be considered in numerical order.*

*NOTE: The Basin Management Committee reserves the right to limit each speaker to three (3) minutes per subject or topic. In compliance with the Americans with Disabilities Act, all possible accommodations will be made for individuals with disabilities, so they may participate in the meeting. Persons who require accommodation for any audio, visual or other disability in order to participate in the meeting of the BMC are encouraged to request such accommodation 48 hours in advance of the meeting from Dan HeimeI at danheimel@ConfluenceES.com.*

### BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS AGENDA

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. BOARD MEMBER COMMENTS**

Board members may make brief comments, provide project status updates, or communicate with other directors, staff, or the public regarding non-agenda topics.

## 5. ACTION ITEM

### a. **Letter of Support from the Los Osos Basin Management Committee (BMC) to San Luis Obispo County (County) for connection of Cabrillo Estates to the Community Sewer System**

Recommendation: Receive the letter of support for the connection of Cabrillo Estates to the County sewer system and consider approval. If approved, authorize Staff to receive the Chair's signature and transmit the letter to the County on the BMC's behalf.

## 6. SPECIAL PRESENTATION

### a. None

## 7. CONSENT AGENDA

The following routine items listed below are scheduled for consideration as a group. Each item is recommended for approval unless noted and may be approved in their entirety by one motion. Any member of the public who wishes to comment on any Consent Agenda item may do so at this time. Consent items generally require no discussion. However, any Director may request that any item be withdrawn from the Consent Agenda and moved to the "Action Items" portion of the Agenda to permit discussion or to change the recommended course of action. The Board may approve the remainder of the Consent Agenda on one motion.

### a. **2025 Financial Reports**

### b. **Approval of Minutes from the June 18, 2025 BMC Meeting**

## 8. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

The Basin Management Committee will consider public comments on items not appearing on the agenda and within the subject matter jurisdiction of the Basin Management Committee. The Basin Management Committee cannot enter into a detailed discussion or take any action on any items presented during public comments at this time. Such items may only be referred to the Executive Director or other staff for administrative action or scheduled on a subsequent agenda for discussion. Persons wishing to speak on specific agenda items should do so at the time specified for those items. The presiding Chair shall limit public comments to three minutes.

## 9. EXECUTIVE DIRECTOR'S REPORT

## 10. ACTION ITEMS

### a. **Los Osos Water Recycling Funding Program (WRFP) Study Supply Alternatives Analysis**

Recommendation: Receive a presentation on the current status of the Los Osos Water Recycling Funding Program (WRFP) Study Supply Alternatives Analysis

### b. **Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric**

Recommendation: Receive an update on the Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric.

## 11. ADJOURNMENT

**TO:** Los Osos Basin Management Committee

**FROM:** Dan Heimel, Executive Director

**DATE:** July 16, 2025

**SUBJECT:** Item 5a – Letter of Support from the Los Osos Basin Management Committee (BMC) to San Luis Obispo County (County) for connection of Cabrillo Estates to the Community Sewer System

## Recommendation

Receive the letter of support for the connection of Cabrillo Estates to the County sewer system and consider approval. If approved, authorize Staff to receive the Chair’s signature and transmit the letter to the County on the BMC’s behalf.

## Discussion

At the [June 18, 2024 BMC Meeting](#), Deborah Howe on behalf of Cabrillo Estates Property Owners Association (CEPOA) requested the BMC provide a letter of support to the County for the connection of the Cabrillo Estates development to the County sewer system in Los Osos. Staff prepared the letter attached (Attachment 1), for the BMC’s review and approval consideration.

## Attachments

1. Letter of Support for the Cabrillo Estates Sewer Connection

July 16, 2025

San Luis Obispo County  
Public Works Department  
976 Osos Street, Room 206  
San Luis Obispo, CA 93401

**Subject: Letter of Support from the Los Osos Basin Management Committee (BMC) to San Luis Obispo County (County) for Connection of Cabrillo Estates to the Community Sewer System**

To Whom It May Concern:

**Introduction**

The Cabrillo Estates development is a residential development located in the southwestern area of Los Osos near the Sea Pines Golf Course and the Los Osos Oaks State Natural Reserve. The wastewater from the development is currently entirely treated by individual septic systems at each residence and the Cabrillo Estates Property Owners Association (CEPOA) is investigating the possibility of connecting the development to the County sewer system in Los Osos. This connection will serve as a long-term solution to replacing septic systems every 20-30 years, will lower nitrate pollution into the basin, and will provide additional source water for the Los Osos Water Recycling Facility.

**Background**

CEPOA received a \$40,000 grant from the Rose Foundation in November 2024 to conduct a feasibility study and cost analysis of connecting the development to the County sewer system. MNS Engineering was contracted by the CEPOA and completed the Conceptual Design Report and Implementation Cost Opinion in April 2025, see the [CEPOA Wastewater Webpage](#). While this wastewater connection is not mandated by any regulatory agencies, the County adopted more stringent requirements for replacement septic systems in the 2020 Onsite Wastewater Treatment Systems Local Agency Management Program (LAMP), which makes the already costly replacements (typically needed every 20-30 years) even more expensive. The LAMP is available on the County's [Onsite Wastewater Treatment System Documents Webpage](#).

This sewer connection project would help minimize septic tank use in the community and is anticipated to contribute to the effort to lower nitrate levels in the Upper Aquifer overtime. This project will connect ~250 parcels to the sewer, providing an estimated 90 AFY of wastewater flow (at buildout) as additional source water to the Los Osos Water Recycling Facility. County Staff have confirmed the LOWRF has sufficient capacity to convey and treat this

additional flow (including peak flows estimated to be 111 GPM). Recycled water is currently disposed of at the Broderson and Bayridge leach field sites and used for non-potable irrigation at the Sea Pines Golf Course and agricultural use. There are additional potential future non-potable uses planned for the recycled water as well.

At the [June 18, 2024 BMC Meeting](#), Deborah Howe on behalf of CEPOA requested the BMC provide a letter of support to the County for the connection of the Cabrillo Estates development to the County sewer system in Los Osos.

**Conclusion**

The BMC is providing this letter to the County in support of a future project to connect Cabrillo Estates to the County sewer system in the community of Los Osos. This project will provide valuable water quality benefits to the basin, via less nitrate pollution and additional source water for potable water offsets and other beneficial uses.

Sincerely,

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Mark Zimmer, Chair of the Los Osos Basin Management Committee

**TO:** Los Osos Basin Management Committee

**FROM:** Daniel Heimel, Executive Director

**DATE:** July 16, 2025

**SUBJECT:** Item 7 – Approval of Financial Reports and/or Meeting Minutes

## Recommendations

BMC Staff recommends that the BMC review and consider approval of Financial Reports and/or Meeting Minutes or provide alternate direction to Staff.

BMC Staff recommends that the BMC consider approval of using the CY 2025 contingency to allocate the remaining Peer Review Budget of \$10,167 to the CY 2025 Budget Item 8: WRFPP Study Peer Review – Year 2.

## Discussion

BMC Staff prepared summary Financial Reports and Meeting Minutes from previous BMC Meetings for the BMC’s review and approval consideration (see Attachments).

### Budget Item 8: WRFPP Study Peer Review –Year 2

Of the \$400,000 total WRFPP Project budget, \$29,767 was allocated to GSI’s Peer Review. Of this \$29,767, \$4,600 was spent in 2023, and none was spent in 2024. The CY 2025 BMC Budget included \$15,000 of this \$29,767 as Budget Item 8: WRFPP Study Peer Review – Year 2 (2025). The amount allocated for this Calendar Year (\$15,000) has been overspent by \$2,063, with a total of \$17,062 spent in 2025 to date (as of the Feb 2025 invoice). The total spent across all years of the project is \$21,633.

The CY 2025 BMC Budget holds \$16,254 (5% of the operating budget of \$325,080) in contingency for unanticipated costs. BMC Staff is proposing to allocate \$10,167 from the CY 2025 Budget contingency to Budget Item 8 to 1) cover costs incurred over the CY 2025 Budget for Item 8 and 2) allow GSI to use their remaining peer review budget in CY 2025 (see the proposed contingency use in Attachment 1). None of the \$16,254 contingency funds have been used to date, so if this use is approved, \$8,513 of contingency will remain.

Total WRFPP Peer Review Budget	\$29,767
2023 Peer Review Expenditures	\$4,600
2024 Peer Review Expenditures	\$0
2025 Peer Review Expenditures (\$15,000 budgeted, does not include \$2,062.5 overspent)	\$15,000
Remaining Peer Review Budget (This will be used to pay the \$2,063 overspent and provide the remaining \$8,104 for use in CY 2025)	\$10,167

## Attachments

1. Cost Summary (January 2025 to Current Date for Calendar Year 2025 Budget)
2. Invoice Register for Los Osos BMC for Calendar Year 2025
3. Minutes from the June 18, 2025 BMC Meeting

**Attachment 1: Cost Summary (January 2025 to Current Date) for Calendar Year 2025 Budget**

Item	Description	Budget Amount	Approved Contingency Allocation	Updated Allocated Budget Amount	Costs Incurred	Percent Incurred	Remaining Budget
1	BMC Administration and Facilitation	\$93,000		\$93,000	\$45,562.50	49.0%	\$47,438
2	BMC Website Hosting	\$2,280		\$2,280	\$1,920.00	84.2%	\$360
3	BMC Accounting Services	\$6,300		\$6,300	\$1,515.49	24.1%	\$4,785
4	BMC Legal Counsel	\$5,000		\$5,000	\$3,600.00	72.0%	\$1,400
5	Technical Support Services	\$15,000		\$15,000	\$2,730.00	18.2%	\$12,270
6	2025 Groundwater Monitoring	\$67,000		\$67,000	\$7,023.00	10.5%	\$59,977
7	2024 Annual Report	\$71,500		\$71,500	\$59,315.00	83.0%	\$12,185
8	WRFP Study Peer Review - Year 2	\$15,000		\$15,000	\$17,062.50	113.8%	-\$2,063
9	Groundwater Monitoring Program Improvements	\$50,000		\$50,000	\$0.00	0.0%	\$50,000
10	Los Osos Geophysics Interpretation	\$0		\$0	\$0.00	0.0%	\$0
	Subtotal	\$325,080		\$325,080	\$138,728	42.7%	\$186,352
	5% Contingency	\$16,254					\$16,254
	<b>Total</b>	<b>\$341,334</b>			<b>\$138,728</b>	<b>40.6%</b>	<b>\$202,606</b>
	2024 Budget (held for LA14/16 costs)	\$45,000		\$45,000	\$38,637	85.9%	\$6,363
	Reserve funds (leftover 2024 funds)	\$70,406		\$70,406	\$0.00	0.0%	\$70,406
						<b>Total Funding</b>	<b>\$279,375</b>
	LOCSO (38%)	\$129,707					
	GSWC (38%)	\$129,707					
	County of SLO/SLOCFC&WCD (20%)	\$68,267					
	S&T Mutual (4%)	\$13,653					

**PROPOSED CONTINGENCY USE Attachment 1: Cost Summary (January 2025 to Current Date) for Calendar Year 2025 Budget**

Item	Description	Budget Amount	Approved Contingency Allocation	Updated Allocated Budget Amount	Costs Incurred	Percent Incurred	Remaining Budget
1	BMC Administration and Facilitation	\$93,000		\$93,000	\$45,562.50	49.0%	\$47,438
2	BMC Website Hosting	\$2,280		\$2,280	\$1,920.00	84.2%	\$360
3	BMC Accounting Services	\$6,300		\$6,300	\$1,515.49	24.1%	\$4,785
4	BMC Legal Counsel	\$5,000		\$5,000	\$3,600.00	72.0%	\$1,400
5	Technical Support Services	\$15,000		\$15,000	\$2,730.00	18.2%	\$12,270
6	2025 Groundwater Monitoring	\$67,000		\$67,000	\$7,023.00	10.5%	\$59,977
7	2024 Annual Report	\$71,500		\$71,500	\$59,315.00	83.0%	\$12,185
8	WRFP Study Peer Review - Year 2	\$15,000	\$10,167	\$25,167	\$17,062.50	67.8%	\$8,105
9	Groundwater Monitoring Program Improvements	\$50,000		\$50,000	\$0.00	0.0%	\$50,000
10	Los Osos Geophysics Interpretation	\$0		\$0	\$0.00	0.0%	\$0
	Subtotal	\$325,080		\$335,247	\$138,728	41.4%	\$196,519
	5% Contingency	\$16,254	-\$10,167	\$6,087			\$6,087
	<b>Total</b>	<b>\$341,334</b>			<b>\$138,728</b>	<b>40.6%</b>	<b>\$202,606</b>
	2024 Budget (held for LA14/16 costs)	\$45,000		\$45,000	\$38,637	85.9%	\$6,363
	Reserve funds (leftover 2024 funds)	\$70,406		\$70,406	\$0.00	0.0%	\$70,406
						<b>Total Funding</b>	<b>\$279,375</b>
	LOCSD (38%)	\$129,707					
	GSWC (38%)	\$129,707					
	County of SLO/SLOCFC&WCD (20%)	\$68,267					
	S&T Mutual (4%)	\$13,653					

**Attachment 2: Invoice Register for Los Osos BMC for Calendar Year 2025**

Vendor	Invoice No.	Amount	Month of Service	Description	Budget Item	Date Executive Director Approved	Date BMC Chairperson Approved	Date BMC Approved
CHG	20241206	\$4,290.00	Dec-24	2024 Annual Report	7	Jan-25		
CHG	20250114	\$9,460.00	Jan-25	2024 Annual Report	7	Feb-25		
Robert Stilts CPA	2025-1	\$465.49	Dec-Jan 2025	BMC Accounting Services	3	Feb-25		
ConfluenceES	1236	\$8,137.50	Jan-25	BMC Adminstration and Facilitation	1		Mar-25	
Streamline	9877A921-0003	\$1,920.00	Mar-25	BMC Website Hosting	2	Mar-25		
Robert Stilts CPA	2025-2	\$218.75	Feb-25	BMC Accounting Services	3	Mar-25		
CHG	20250210	\$13,042.50	Feb-25	2024 Annual Report	7	Mar-25		
GHG	20250211	\$975.00	Feb-25	Technical Support Services	5	Mar-25		
ConfluenceES	1245	\$9,187.50	Feb-25	BMC Adminstration and Facilitation	1		Mar-25	
RWG	252345	\$2,520.00	Feb-25	BMC Legal Counsel	4	Apr-25		
Robert Stilts CPA	2025-3	\$350.00	Mar-25	BMC Accounting Services	3	Apr-25		
CHG	20250308	\$30,677.50	Mar-25	2024 Annual Report	7	May-25		
CHG	20250309	\$195.00	Mar-25	Technical Support Services	5	May-25		
CHG	20250310	\$3,670.00	Mar-25	2025 Groundwater Monitoring	6	May-25		
GSI	02136.001-4	\$2,810.00	Mar-25	WRFP Study Peer Review - Year 2	8	May-25		
ConfluenceES	1254	\$7,275.00	Mar-25	BMC Adminstration and Facilitation	1		May-25	
RWG	252805	\$684.00	Mar-25	BMC Legal Counsel	4	May-25		
RWG	253030	\$324.00	Apr-25	BMC Legal Counsel	4	May-25		
Stilts	2024-4	\$175.00	Apr-25	BMC Accounting Services	3	May-25		
GSI	02136.001 - 5	\$13,772.50	Apr-25	WRFP Study Peer Review - Year 2	8	May-25		
GSI	2136.001	\$480.00	Feb-25	WRFP Study Peer Review - Year 2	8	May-25		
ConfluenceES	1256	\$11,306.25	Apr-25	BMC Adminstration and Facilitation	1		Jun-25	
Stilts	2025-5	\$306.25	May-25	BMC Accounting Services	3	Jul-25		
ConfluenceES	1284	\$9,656.25	May-25	BMC Adminstration and Facilitation	1		Jul-25	
CHG	20250513	\$1,845.00	May-25	2024 Annual Report	7	Jul-25		
CHG	20250514	\$1,560.00	May-25	Technical Support Services	5	Jul-25		
CHG	20250515	\$3,353.00	May-25	2025 Groundwater Monitoring	6	Jul-25		
RWG	253700	\$72.00	May-25	BMC Legal Counsel	4	Jul-25		
	<b>2025 Total</b>	<b>\$138,728.49</b>						<b>To be approved</b>
LOCS/CHG	N/A	\$38,636.56	Mar-25	CY24 Groundwater Monitoring Program Improvements, paid from 2024 budget	-	May-25		

**Los Osos Basin Management Committee**

Statement of Revenues and Expenditures

100 - BMC

From 6/1/2025 Through 6/30/2025

	Current Period Actual	Current Year Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original	
<b>Operating Revenue</b>						
<b>Contributions</b>						
4010	LOCS	0.00	129,707.00	129,707.00	0.00	0.00%
4020	GSWC	0.00	129,707.00	129,707.00	0.00	0.00%
4030	County of SLO	0.00	68,267.00	68,267.00	0.00	0.00%
4040	S&T Mutual Water Co.	0.00	13,653.00	13,653.00	0.00	0.00%
	Total Contributions	0.00	341,334.00	341,334.00	0.00	0.00%
	Total Operating Revenue	0.00	341,334.00	341,334.00	0.00	0.00%
	<b>Total Revenue</b>	<b>0.00</b>	<b>341,334.00</b>	<b>341,334.00</b>	<b>0.00</b>	<b>0.00%</b>
<b>Expenditures</b>						
<b>Program Expenses</b>						
5010	Administration and Facilitation	0.00	45,562.50	93,000.00	47,437.50	51.01%
5020	Website Hosting	0.00	1,920.00	2,280.00	360.00	15.79%
5030	Accounting Services	0.00	1,474.24	6,300.00	4,825.76	76.60%
5040	Legal Counsel	0.00	3,600.00	5,000.00	1,400.00	28.00%
5060	Technical Support Services	0.00	2,730.00	15,000.00	12,270.00	81.80%
5070	Groundwater Monitoring	0.00	7,023.00	67,000.00	59,977.00	89.52%
5080	Annual Report	0.00	59,315.00	71,500.00	12,185.00	17.04%
5090	WRFPP Study Peer Review	0.00	17,062.50	15,000.00	(2,062.50)	(13.75)%
6000	Groundwater Monitoring Program Improvements	0.00	38,636.56	50,000.00	11,363.44	22.73%
	Total Program Expenses	0.00	177,323.80	325,080.00	147,756.20	45.45%
	Total Expenditures	0.00	177,323.80	325,080.00	147,756.20	45.45%
	<b>Net Revenue Over Expenditures</b>	<b>0.00</b>	<b>164,010.20</b>	<b>16,254.00</b>	<b>147,756.20</b>	<b>909.05%</b>

**Los Osos Basin Management Committee**

Balance Sheet  
As of 6/30/2025

		<u>Current Period Balance</u>
Assets		
Current Assets		
Cash & Cash Equivalents		
General Checking Account	1012	<u>446,162.10</u>
Total Cash & Cash Equivalents		<u>446,162.10</u>
Total Current Assets		<u>446,162.10</u>
Total Assets		<u><u>446,162.10</u></u>
Liabilities		
Short-term Liabilities		
Accounts Payable		
Vendor Payable (Control Account)	2000	<u>16,792.50</u>
Total Accounts Payable		<u>16,792.50</u>
Total Short-term Liabilities		<u>16,792.50</u>
Total Liabilities		<u>16,792.50</u>
Net Assets		
Current YTD Net Income		
REVENUES		341,334.00
EXPENDITURES		(177,323.80)
EQUITY		
Fund Balance	3200	<u>115,359.40</u>
Total EQUITY		<u>115,359.40</u>
Total Current YTD Net Income		<u>279,369.60</u>
Total Net Assets		<u>279,369.60</u>
Total Liabilities and Net Assets		<u><u>296,162.10</u></u>

**Los Osos Basin Management Committee  
Reconcile Cash Accounts**

**Summary**

**Cash Account: 1012 General Checking Account**  
**Reconciliation ID: Bank Account Reconciliation 06302025**  
**Reconciliation Date: 6/30/2025**  
**Status: Locked**

Bank Balance	446,162.10
Less Outstanding Checks/Vouchers	0.00
Plus Deposits in Transit	0.00
Plus or Minus Other Cash Items	0.00
Plus or Minus Suspense Items	<u>0.00</u>
Reconciled Bank Balance	446,162.10
Balance Per Books	<u>446,162.10</u>
Unreconciled Difference	<u><u>0.00</u></u>

**Click the Next Page toolbar button to view details.**

**Los Osos Basin Management Committee  
Reconcile Cash Accounts**

**Detail**

**Cash Account: 1012 General Checking Account**  
**Reconciliation ID: Bank Account Reconciliation 06302025**  
**Reconciliation Date: 6/30/2025**  
**Status: Locked**

**Cleared Checks/Vouchers**

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
45	4/9/2025	System Generated Check/Voucher	350.00	Robert Stilts, CPA
46	5/15/2025	System Generated Check/Voucher	7,275.00	CONFLUENCE ENGINEERING SOLUTIONS, INC.
47	5/15/2025	System Generated Check/Voucher	34,542.50	CLEATH-HARRIS GEOLOGISTS, INC.
48	5/15/2025	System Generated Check/Voucher	2,810.00	GSI Water Solutions, Inc.
50	6/10/2025	System Generated Check/Voucher	11,306.25	CONFLUENCE ENGINEERING SOLUTIONS, INC.
51	6/10/2025	System Generated Check/Voucher	13,772.50	GSI Water Solutions, Inc.
52	6/10/2025	System Generated Check/Voucher	1,008.00	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION
53	6/10/2025	System Generated Check/Voucher	175.00	Robert Stilts, CPA
54	6/10/2025	System Generated Check/Voucher	480.00	GSI Water Solutions, Inc.
Cleared Checks/Vouchers			71,719.25	

**Los Osos Basin Management Committee**

Check/Voucher Register - Warrant Register

1012 - General Checking Account

From 1/1/2025 Through 12/31/2025

Check Number	Vendor Name	Transaction Description	Document Date	Check Amount
0031			1/13/2025	0.00
0032			1/13/2025	0.00
31	CONFLUENCE ENGINEERING SOLUTIONS, INC.	10/1/24-10/31/24 Executive Director Services	1/13/2025	9,566.25
32	CLEATH-HARRIS GEOLOGISTS, INC.	10/1/24-10/31/24 2024 Groundwater Monitoring	1/13/2025	27,367.26
33	Robert Stilts, CPA	10/1/24-10/31/24 Accounting Services	1/13/2025	131.25
34	CONFLUENCE ENGINEERING SOLUTIONS, INC.	11/1/24-11/30/24 Executive Director Services	1/22/2025	8,487.50
	CONFLUENCE ENGINEERING SOLUTIONS, INC.	12/1/24-12/31/24 Executive Director Services	1/22/2025	4,057.50
35	CLEATH-HARRIS GEOLOGISTS, INC.	11/1/24-11/30/24 2024 Groundwater Monitoring	1/22/2025	2,905.20
	CLEATH-HARRIS GEOLOGISTS, INC.	12/1/24-12/31/24 2024 Annual Report	1/22/2025	4,290.00
36	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	11/1/24-11/30/24 General Legal Counsel	1/22/2025	324.00
	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	12/1/24-12/31/24 General Legal Counsel	1/22/2025	828.00
37	Robert Stilts, CPA	11/1/24-11/30/24 Accounting Services	1/22/2025	218.75
38	CONFLUENCE ENGINEERING SOLUTIONS, INC.	1/1/25-1/31/25 Executive Director Services	3/11/2025	8,137.50
39	CLEATH-HARRIS GEOLOGISTS, INC.	1/1/25-1/31/25 2024 Annual Report	3/11/2025	9,460.00
40	Robert Stilts, CPA	12/1/24-1/31/25 Accounting Services	3/11/2025	465.49
41	CONFLUENCE ENGINEERING SOLUTIONS, INC.	2/1/25-2/28/25 Executive Director Services	3/18/2025	9,187.50
42	CLEATH-HARRIS GEOLOGISTS, INC.	2/1/25-2/28/25 2024 Annual Report	3/18/2025	13,042.50
	CLEATH-HARRIS GEOLOGISTS, INC.	2/1/25-2/28/25 Technical Support Services	3/18/2025	975.00
43	Robert Stilts, CPA	2/1/25-2/28/25 Accounting Services	3/18/2025	218.75
44	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	2/1/25-2/28/25 General Legal Counsel	4/9/2025	2,520.00
45	Robert Stilts, CPA	3/1/25-3/31/25 Accounting Services	4/9/2025	350.00
46	CONFLUENCE ENGINEERING SOLUTIONS, INC.	3/1/25-3/31/25 Executive Director Services	5/15/2025	7,275.00
47	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/25-3/31/25 2024 Annual Report	5/15/2025	30,677.50
	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/25-3/31/25 2025 Groundwater Monitoring	5/15/2025	3,670.00
	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/25-3/31/25 Technical Support Services	5/15/2025	195.00
48	GSI Water Solutions, Inc.	3/1/25-3/31/25 WRFP Study Peer Review - Year 2	5/15/2025	2,810.00

**Los Osos Basin Management Committee**

Check/Voucher Register - Warrant Register

1012 - General Checking Account

From 1/1/2025 Through 12/31/2025

<u>Check Number</u>	<u>Vendor Name</u>	<u>Transaction Description</u>	<u>Document Date</u>	<u>Check Amount</u>
49	Los Osos CSD	LA 14 & LA 16 Groundwater Monitoring Well Project	5/15/2025	38,636.56
50	CONFLUENCE ENGINEERING SOLUTIONS, INC.	4/1/25-4/30/25 Executive Director Services	6/10/2025	11,306.25
51	GSI Water Solutions, Inc.	4/1/25-4/30/25 WRFP Study Peer Review - Year 2	6/10/2025	13,772.50
52	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	3/1/25-3/31/25 General Legal Counsel	6/10/2025	684.00
	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	4/1/25-4/30/25 General Legal Counsel	6/10/2025	324.00
53	Robert Stilts, CPA	4/1/25-4/30/25 Accounting Services	6/10/2025	175.00
54	GSI Water Solutions, Inc.	2/1/25-2/28/25 WRFP Study Peer Review - Year 2	6/10/2025	480.00
55	CONFLUENCE ENGINEERING SOLUTIONS, INC.	5/1/25-5/31/25 Executive Director Services	7/8/2025	9,656.25
56	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/25-5/31/25 2024 Annual Report	7/8/2025	1,845.00
	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/25-5/31/25 2025 Groundwater Monitoring	7/8/2025	3,353.00
	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/25-5/31/25 Technical Support Services	7/8/2025	1,560.00
57	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	5/1/25-5/31/25 General Legal Counsel	7/8/2025	72.00
58	Robert Stilts, CPA	5/1/25-5/31/25 Accounting Services	7/8/2025	306.25
ACH_Strmlne3.5...	STREAMLINE SOFTWARE, INC.	2/1/2025-2/1/2026 Streamline Flex Website Hosting	3/5/2025	1,920.00
Report Total				231,250.76

**BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS**

**Agenda Item 7b: Minutes of the Regular Meeting of June 18, 2025**

The following is a summary of the actions taken at the Basin Management Committee Board of Directors Meeting.  
The official record for the meeting is the recording that can be found at:

<https://www.losososbmc.org/>

Agenda Item	Discussion or Action
<b>1. Call to Order</b>	Chair Zimmer called the meeting to order at approximately 1:30 PM ( <a href="#">00:00:01</a> ).
<b>2. Roll Call</b>	Daniel Heimel, Executive Director, called roll to begin the meeting. Director Zimmer, Director Cesena, Director Gibson, and Director Reinke were present ( <a href="#">00:00:15</a> ).
<b>3. Pledge of Allegiance</b>	<b>Pledge of Allegiance</b> ( <a href="#">00:00:30</a> )
<b>4. Board Member Comments</b>	<b>Board Discussion</b> ( <a href="#">00:00:55</a> ) None  <b>Public Comment</b> None
<b>5. Special Presentation</b>	
<b>None</b>	<b>None</b> ( <a href="#">00:01:20</a> )
<b>6. Consent Agenda</b>	<b>Approval of Minutes from May 21, 2025 Regular BMC Meeting and 2025 Financial Reports</b> ( <a href="#">00:01:30</a> )
<b>6a. 2025 Financial Reports</b>	<b>Board Discussion</b>
<b>6b. Approval of Minutes from May 21, 2025 Regular BMC Meeting</b>	<b>None</b>  <b>Public Comment</b> None  <b>Board Action on Consent Agenda</b> ( <a href="#">00:02:20</a> ) The Board approved the 2025 financial reports and minutes from May 21, 2025 Regular BMC Meeting.  <b>Motion:</b> Director Gibson <b>Second:</b> Director Cesena <b>Ayes:</b> All <b>Nays:</b> None <b>Passes:</b> 4-0
<b>7. Public Comments on Items Not Appearing on the Agenda</b>	<b>Public Comment</b> Patrick McGibney ( <a href="#">00:03:10</a> ) Deborah Howe (00:06:00) Lynette Brooks (00:07:10) George Hinkins (00:09:15) Mike Chonsten (00:10:30) Written public comment from George Hinkins ( <a href="#">see website</a> )

	<p>Written public comment from Lynette Brooks (<a href="#">see website</a>)</p> <p><b><u>Board Discussion</u></b> (00:13:55)</p>
<p><b>8. Executive Director's Report</b></p>	<p><b>Executive Director's Report</b> (<a href="#">00:18:00</a>)</p> <p><b><u>Board Discussion</u></b> (00:29:20)</p> <p><b><u>Public Comment</u></b>          Becky McFarland (00:31:55)          Lynette Brooks (00:34:55)</p>
<p><b>9. Action Items</b></p>	
<p><b>9a. Final Draft 2024 Annual Monitoring Report</b></p>	<p><b>Final Draft 2024 Annual Monitoring Report</b> (<a href="#">00:36:10</a>)</p> <p><b>Recommendation:</b> Receive and file the Final Draft 2024 Annual Monitoring Report and authorize submission to the Court or provide alternate direction to staff.</p> <p><b><u>Public Comment</u></b>          Patrick McGibney (00:38:00)          Robert Sarvey (00:38:55)          Becky McFarland (00:42:20)          Written public comment from Robert Sarvey (<a href="#">see website</a>)</p> <p><b><u>Board Discussion</u></b> (00:44:20)</p> <p><b><u>Board Action</u></b> (00:45:00)          The Board received and filed the Final Draft 2024 Annual Monitoring Report and authorized submission to the Court.</p> <p><b>Motion:</b> Director Gibson  <b>Second:</b> Director Cesena  <b>Ayes:</b> All  <b>Nays:</b> None  <b>Passes:</b> 4-0</p>
<p><b>9b. Transient Model: Construction and Calibration and Baseline Scenario Technical Memorandums</b></p>	<p><b>Transient Model: Construction and Calibration and Baseline Scenario Technical Memorandums</b> (<a href="#">00:45:40</a>)</p> <p><b>Recommendation:</b> Receive and file the Transient Model Construction and Calibration and Baseline Scenario Technical Memorandums.</p> <p><b><u>Board Discussion</u></b> (00:59:10)</p> <p><b><u>Public Comment</u></b>          Lynette Brookes (01:13:15)          Rhett Brookes (01:16:35)          Patrick McGibney (01:19:45)          Robert Sarvey (01:23:00)          Becky McFarland (01:23:35)</p>

	<p>Richard Margetson (01:26:55)  Lynette Tornatzky (01:30:00)  Written public comments from Lynette Brooks (<a href="#">see website</a>)  Written public comment from Rhett Brooks (<a href="#">see website</a>)  Written public comment from Beth Reineke (<a href="#">see website</a>)</p> <p><b><u>Board Discussion</u></b> (01:30:45)</p> <p><b><u>Board Action</u></b>  No Board action.</p>
<b>15. Adjournment</b>	<p>Meeting adjourned at approximately 3:13PM (<a href="#">01:43:15</a>).  The next regularly scheduled meeting is July 16, 2025.</p>

DRAFT

**TO:** Los Osos Basin Management Committee

**FROM:** Dan Heimel, Executive Director

**DATE:** July 16, 2025

**SUBJECT:** Item 9 – Executive Director’s Report

## Recommendations

Staff recommends that the Basin Management Committee (BMC) receive and file the report and provide staff with any direction for future discussions. Sections of the Executive Director’s Report that have been updated or significantly changed from the previous meeting’s version are underlined and sections of the report that have not had any recent or anticipated updates have been removed.

## Discussion

This report was prepared to summarize administrative matters not covered in other agenda items and to provide a general update on staff activities.

## Presentations

None

## Funding and Financing Programs to Support Basin Plan Implementation

**WRFP Grant:** On February 11, 2022 the Los Osos Community Services District (LOCSO) submitted an application for a Water Recycled Funding Program (WRFP) grant to develop a transient model and analyze recycled water and supplemental water projects to improve the sustainability of the Los Osos Basin (WRFP Study). Los Osos CSD was notified of the award of the grant in January 2023 and all the required documents were signed and fully executed. On May 17, 2023 the BMC approved Cleath-Harris Geologist (CHG) to complete the WRFP Study and the WRFP Study is underway. A proposed modification to the schedule for completion of the WRFP Study was executed on March 7, 2025 by the State Water Resources Control Board (SWRCB) to allow for additional time to incorporate published data from the Department of Water Resources (DWR) Aerial Electromagnetic (AEM) Survey. The BMC and LOCSO received the agreement amendment from the SWRCB which reflects the updated schedule (see table below). CHG incorporated findings from the AEM data, completed calibration, and held several meetings with the Technical Advisory Committee (TAC) and Peer Review Consultant to discuss the Transient Model calibration and recycled water/supplemental water supply alternatives. The Peer Review Consultant (GSI) has provided feedback to CHG, which is incorporated into the Transient Model Construction/Calibration TM and the groundwater model. In addition to GSI’s peer review, the County coordinating an additional review Lynker, and their comments have been incorporated as well. The Transient Model Construction/Calibration TM and Baseline Scenario Results were brought to the BMC at

the regularly scheduled June 18, 2025 BMC meeting. Cleath Harris-Geologists is anticipated to provide a presentation on these items at a future meeting. At the July 16, 2025, the lead consultant preparing the Engineering Report, Water Systems Consulting (WSC), will provide a presentation on the current status of the WRF Study Supply Alternatives Analysis. The WRF report is anticipated to be completed by the grant due date of October 25, 2025.

Updated WRF Study Schedule

MILESTONE	CRITICAL DUE DATE	ESTIMATED DUE DATE
Draft Project Report Submittal		8/30/2025
Mid-Course Meeting		9/18/2025
Final Project Report Submittal		10/25/2025
Work Completion Date	11/15/2025	
Final Reimbursement Request	12/20/2025	

BMC Staff will continue to monitor potential additional grant funding opportunities and bring information on these opportunities to the BMC for consideration as they become available.

### Status of BMC Initiatives

**Central Coast Community-Based Water Quality Grants Program Grant:** The Central Coast Community-Based Water Quality Grants Program is offered by the Rose Foundation, in collaboration with the Central Coast Water Board and the Bay Foundation of Morro Bay. This program is dedicated to funding water quality improvement projects within the jurisdiction of the Central Coast Regional Water Quality Control Board.

On June 12<sup>th</sup>, 2024, the BMC authorized the preparation of an application for the Central Coast Community-Based Water Quality Grant Program to request \$150k for the construction of a new, lower aquifer monitoring well. The grant application was submitted on July 12<sup>th</sup>, 2024 and on September 19<sup>th</sup>, 2024 BMC Staff received an email indicating that the BMC’s application is being recommended to the Rose Foundation’s Board of Directors for funding. On September 24<sup>th</sup>, 2024 the Rose Foundation notified the BMC Executive Director of the grant award selection and sent an agreement for the BMC to execute. To fulfill the requirements of the Rose Foundation Grant the BMC would provide the required 25% (\$50,000) match funding from the Monitoring Network Improvements budget item in the 2025 Calendar Year Budget. The BMC Executive Director executed the grant agreement with the Rose Foundation on October 22<sup>nd</sup>, 2024. On December 24<sup>th</sup>, 2024, the grant funds were deposited into the BMC’s bank account. On February 18, 2025, LOCSD and the BMC released a Request for Proposals (RFP) for Hydrogeological Consultant Procurement for the Sweet Springs Monitoring Well (Los Osos Basin Lower Aquifer Water Quality Monitoring Well). Proposals were due March 18<sup>th</sup>, 2025. The Board approved Staff’s recommendation of the selection of Cleath-Harris Geologists (CHG) as the

hydrogeological consultant for this project at the [May 21, 2025 BMC Meeting](#). [CHG is preparing site maps for use in the bid documents.](#)

**BMC Website:** On January 10<sup>th</sup>, 2024, the BMC launched its new website hosted at: <https://www.losososbmc.org/>. This will be the new platform for obtaining information regarding BMC Meetings, Annual Reporting and other initiatives. The interested parties email distribution list from the previous BMC website, hosted by the County of San Luis Obispo, has been transferred to the new website and will continue to be utilized to notify subscribers when information related to BMC Meetings and other initiatives is available. BMC and County Staff to coordinate on decommissioning the County's previously hosted BMC Website and to direct all traffic to the new BMC Website. The BMC transitioned from SLOSPAN to YouTube for hosting meeting recordings.

**DWR AEM Survey:** On December 2022, BMC Staff were notified that the Los Osos Basin would be included in the Department of Water Resources (DWR) Statewide Airborne Electromagnetic (AEM) Survey in Spring 2023. To assist DWR in preparing flight lines for the AEM Survey, BMC Staff provided DWR with lithologic information for the Los Osos Basin and prepared an Area of Interest Map. The data collected during the AEM survey will improve DWR and the BMC's understanding of Los Osos Basin hydrogeology and seawater intrusion. The AEM Survey for the San Luis Obispo and Santa Barbara County basins was initiated on April 26<sup>th</sup>, 2023, however, due to weather conditions and the need to support emergency flood response efforts elsewhere in the State, DWR was not able to complete the survey of the Los Osos Basin. DWR returned to complete the survey in November 2023 and survey results were released in November 2024. The AEM survey data and additional information on DWR's Statewide AEM Survey Project can be found here: <https://water.ca.gov/Programs/Groundwater-Management/Data-and-Tools/AEM>

**Sustainable Yield:** At its October 27<sup>th</sup>, 2021 Meeting, the BMC unanimously approved an updated Sustainable Yield estimate of 2,380 Acre-Feet per Year (AFY) for Calendar Year 2022 and at its December 6<sup>th</sup>, 2023 Meeting, the BMC unanimously approved retaining the current Sustainable Yield estimate of 2,380 AFY for CY 2024 for the following reasons: 1) No new infrastructure, not already considered in the 2022 Sustainable Yield Estimate, has been constructed; 2) estimates for the development of the Broderson Mound and long-term average rainfall were updated and incorporated into the CY 2022 Sustainable Yield Estimate and are not anticipated to change significantly on a year-over-year basis; 3) no significant hydrogeologic investigations have been conducted that would warrant an update to the steady-state groundwater model utilized to develop the Sustainable Yield Estimate. For these same reasons, the BMC unanimously approved retaining the current Sustainable Yield Estimate of 2,380 AFY for CY 2025 at its October 16<sup>th</sup>, 2024 Meeting.

**Los Osos Basin Well Database:** Cleath-Harris Geologists (CHG) completed the development of the Los Osos Basin Well Database and it is being utilized to support the development of the Transient Groundwater Model.

**Basin Monitoring Program Improvement:** In December 2023, construction of the Skyline Monitoring Wells was completed at the east end of Skyline Drive. The construction of these wells will allow the BMC to more accurately monitor seawater intrusion and groundwater conditions in Zones D & E of the Lower Aquifer at this critical location for the basin. In 2024, the BMC is working on modifying two existing wells (LA 14 and 16) to become dedicated Zone E monitoring Wells. The BMC is partnering with the National Estuary Program to gain access to available grant funding to fund a portion of these well modifications. To complete the modifications the BMC will be released a solicitation for design and construction oversight hydrogeologic support services and for drilling services to complete the modifications. The solicitation was released on July 25<sup>th</sup>, 2024 and received one proposal. At its August 21<sup>st</sup>, 2024 Meeting the BMC approved Cleath-Harris Geologists (CHG) to provide design and construction oversight hydrogeologic support services. On October 4<sup>th</sup>, 2024 the Los Osos Community Services District (LOCSO) released the bid package for the drilling services and bids are due November 1<sup>st</sup>, 2024. The LOCSO received three bids, with the lowest, responsive, responsible bidder (General Pump Company) submitting a bid of \$82,611.86, which was under the Engineer's Estimate of \$90,000. Based on authorizations provided by the LOCSO Board of Directors and the BMC, LOCSO Staff awarded the project to General Pump Company and is working to initiate construction for the LA 14 and 16 well modifications in December 2024 or January 2025. On December 28<sup>th</sup>, 2024, the LOCSO executed a Change Order with General Pump Company for \$20k, with concurrence from BMC Party Staff, to attempt to remove the sediment at the bottom of LA 16 prior to installing the new well casing and screen at a deeper location. If successful, this would allow the BMC to monitor for seawater intrusion 60 feet lower in the Basin, which is where it is more likely to occur. The BMC's approved budget for this project is \$145k and with the current contract award the estimated cost is \$118k (including design, construction and admin), leaving ~\$27k in potentially available budget for this Change Order. LA 14 and 16 modifications and wellhead work were completed in February 2025.

**Basin Metric Evaluation:** Analysis of potential modifications to the Basin Metric's is currently on hold. Proposed modifications to the metrics were provided to BMC Party Staff for review. However, BMC Party Staff requested that potential improvements to the existing BMC Monitoring Program (i.e. modifications to existing wells or a new monitoring well) be evaluated prior to modifying the Basin Metrics. The BMC recently completed construction of two new monitoring wells at the eastern end of Skyline Drive. These new wells could be considered for incorporation into the updated Basin Metrics. BMC Staff will develop recommendations on potential modifications to the Basin Metrics and bring them to the BMC for their consideration at a future date.

**Transient Groundwater Model:** See update under WRFP Grant above.

**Lower Aquifer Nitrate Investigation:** On October 19<sup>th</sup>, 2022 the BMC authorized Calendar Year (CY) 2022 funding to perform additional Nitrate Source Investigation to better understand the source of Nitrate impacting lower aquifer production wells. However, due to the inability to obtain well owner permission to sample the desired wells, much of that work was not completed in 2022. Subsequently, the Regional Water Quality Control Board (RWQCB) staff reviewed the investigation information and findings available to date and provided a presentation to the BMC at its March 15<sup>th</sup>, 2023 Meeting. BMC

Party Staff is working with RWQCB Staff to identify potential additional investigations to help better inform the sources of the nitrate in the LA8 Well. On March 8<sup>th</sup>, 2024 and April 29<sup>th</sup>, 2024 BMC Staff received updates from RWQCB Staff on the status of their investigation into the source of nitrate impacting water supply wells in the western Los Osos Valley Groundwater Basin.

**BMC Initiatives Status Update:** In 2020, the BMC completed an Implementation Plan evaluation exercise to identify and prioritize the use of the BMC's limited available staffing and funding resources. The outcome of this exercise was a prioritized list of Planning and Implementation initiatives that the BMC utilized to develop its workplan for 2021, 2022, 2023 and beyond. In 2024, the BMC intends to revisit the Implementation Plan and develop an updated, prioritize list of potential projects/initiatives to help inform the BMC's work plan for 2025 and beyond.

## Land Use Planning Process Update

### **Guide to Planning Information for Development in Los Osos:**

This website provides relevant planning information for the community of Los Osos, including the Growth Management Ordinance, the Los Osos Habitat Conservation Plan, and frequently asked questions: <https://www.slocounty.ca.gov/departments/planning-building/grid-items/communities-villages/los-osos>

### **Los Osos Community Plan:**

The Los Osos Community Plan (LOCP) was approved by the County Board of Supervisors on October 29, 2024. The LOCP and amendments to the Estero Area Plan were certified by the California Coastal Commission at a hearing on December 11, 2024. Both the [LOCP](#) and [Estero Area Plan](#) are now in effect.

### **Los Osos and the Growth Management Ordinance:**

On October 29, 2024, the County Board of Supervisors approved an updated version of Title 26 of the County Code the Growth Management Ordinance (GMO) which established a 0.4% growth rate for Los Osos in Calendar Year 2025. On December 10, 2024, the County Board of Supervisors adopted a resolution establishing the maximum annual allocation for Calendar Year 2025 for the unincorporated county, including an allocation of 25 new dwelling units in Los Osos.

### **Los Osos Habitat Conservation Plan (HCP):**

On December 10<sup>th</sup>, 2024, the County Board of Supervisors approved funding for the implementation of the Los Osos Habitat Conservation Plan (LOHCP). This funding will be used to pursue mitigation credits for habitat conservation through fee title or easement acquisition, fund habitat restoration projects, and fund staffing needed to implement the plan. Staff returned to the Board in February 2025 where the Board adopted the fee which will allow applicants to pay into the LOHCP to offset disturbance caused by development. At this time, the San Luis Obispo Department of Planning and Building does not have mitigation credits available for purchase. Planning staff anticipate having further updates during summer 2025. More information can be found on the County's website ([Los Osos](#)) which will be updated as information becomes available.

### Title 19 Retrofit-to-Build

No Title 19 Retrofit-to-Build certificates were issued in June 2025.

The Title 19 Retrofit-to-Build survey is now active. If you are interested in assisting members of your community, offsetting water use in your home to help preserve the Los Osos Groundwater Basin, and potentially receiving new low-flow fixtures, please fill out the following form:

<https://forms.office.com/g/nSzMkctu0U>.

### Land Use Permits

Only land use permits for projects that have seen movement in 2025 are included in the table below. More detailed information on land use in Los Osos is available on the [LOCAC website](#).

Los Osos Land Use Permits			
	Pending	Approved in May	Total Approved
Single-Family Residence	13	4	4
Mixed-Use	2	2	2

## Los Osos Water Recycling Facility Project Update

The following table summarizes flows from the LOWRF based on the available data.

### 2025 LOWRF Wastewater and Recycled Water Flows (Acre Feet)

Year	Month	Influent	Broderson	Bayridge	Sea Pines	Ag Users	Effluent
2025	Jan	45.74	41.61	1.25	2.15	0.05	45.07
2025	Feb	41.72	39.49	1.14	2.07	0.02	42.72
2025	Mar	45.63	39.35	1.25	4.80	0.04	45.45
2025	April	44.28	30.98	1.33	9.43	0.30	41.32
2025	May	46.04	27.12	1.25	10.12	0.39	40.67

### LOWRF Project Updates:

- The County is working on projects to connect the Los Osos Community Park, Los Osos Middle School, and Monarch Grove Elementary to the LOWRF recycled water distribution system. Construction at Los Osos Middle School began June 9<sup>th</sup>, and the other two sites June 24<sup>th</sup>. The County received funding for these connections through the ARPA grant program.
- The County has installed the effluent pump station VFDs at the LOWRF. VFDs will allow the pumps to ramp up and down based on the need for recycled water in the distribution system and for plant return water. Currently the pumps only have the capability to run at one speed and that leads to increased wear and tear on the motor and impellers. The VFDs will be set to specific pressure setpoints that will be determined using the recycled water distribution model.

The expected outcome from installing the VFDs is decreased energy consumption and recirculation of water within the system.

**Enforcement:** A list of properties that were not connected were transferred to County Code Enforcement and Notice of Violations were issued in Feb. 2019. That list was about 70 properties. As of 5/12/2021, the sewer service area has a 99.4% connection status with a total of 36 properties not yet connected. Of those, one is not required to connect because there is no structure (demolished), 18 have expired building permits, and the rest have an open Code Enforcement case.

The County has assigned staff in code enforcement to Los Osos. Expired permits did not receive a Code Enforcement case because those properties have their own noticing process through the Building Department which, if not corrected, could result in a Notice of Violation.

## Water Resiliency Intertie Project Update

The Los Osos Community Services District (CSD) continues to make progress towards implementation of the Water Resiliency Intertie Project (Intertie Project) since they began investigations into alternative water supply sources in 2021. Efforts to date include the preparation of a preliminary design report, environmental review, and the pursuit of funding sources. Recent findings from the Basin Management Committee (BMC), including results of the Baseline Scenario from the newly developed Transient Groundwater Model, underscore the urgency of improving water supply sustainability. The conceptual strategy involves using supplemental water from the State Water Project during wet years as an offset for groundwater pumping, allowing for long-term recovery of the Los Osos Groundwater Basin. During dry years, the CSD would rely more on groundwater. This approach enhances long-term resiliency while avoiding overreliance on outside sources.

At the CSD's July 10, 2025 Board Meeting, the CSD's Board approved of the release of a Request for Proposals for Design Services for the Water Resiliency Intertie Project; and to authorize the General Manager of the CSD to execute an agreement with the most qualified firm if within 20% of the engineering design estimate of \$630,240.

## Sustainable Groundwater Management Act (SGMA)

**SGMA Overview:** SGMA took effect on January 1, 2015.<sup>1</sup> SGMA provides new authorities to local agencies with water supply, water management or land use responsibilities and requires various actions be taken in order to achieve sustainable groundwater management in high and medium priority groundwater basins. Los Osos Valley Groundwater Basin (Los Osos Basin) was subject to SGMA based on the 2014 Basin

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<sup>1</sup> On September 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package, composed of AB 1739 (Dickinson), SB 1168 (Pavley), and SB 1319 (Pavley), collectively known as SGMA

Prioritization by the California Department of Water Resources (DWR) that listed the Los Osos Basin as high priority and in critical conditions of overdraft.<sup>2</sup>

**Basin Prioritization:** On December 18, 2019, DWR released the SGMA 2019 Basin Prioritizations. Basins or subbasins reassess to low or very low priority basins or subbasins are not subject to SGMA regulations. A summary of DWR's Final SGMA Prioritizations for the Los Osos Area Subbasin and Warden Creek Subbasin are listed below:

- Los Osos Area Subbasin is listed as **very low** priority for SGMA<sup>3</sup> and in critical conditions of overdraft<sup>4</sup>
- SGMA does not apply to the portions of Los Osos Basin that are adjudicated provided that certain requirements are met (Water Code §10720.8).
- Warden Creek Subbasin is listed as **very low** priority for SGMA<sup>3</sup>

For more information on DWR's basin boundary modification and prioritization process, please visit: <https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization>

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<sup>2</sup> SGMA mandates that all groundwater basins identified by DWR as high- or medium-priority by January 31, 2015, must have groundwater sustainability agencies established by June 30, 2017. The act also requires that all high- and medium-priority basins classified as being subject to critical conditions of overdraft in Bulletin 118, as of January 1, 2017, be covered by groundwater sustainability plans, or their equivalent, by January 31, 2020. Groundwater sustainability plans, or their equivalent, must be established for all other high- and medium-priority basins by January 31, 2022.

<sup>3</sup> As noted by DWR, the priority for the subbasin has been set to very low (0 total priority points) as a result of conditions being met under sub-component C of the Draft SGMA 2019 Basin Prioritizations.

<sup>4</sup> Critical conditions of overdraft have been identified in 21 groundwater basins as described in Bulletin 118 (Water Code Section 12924). Bulletin 118 (updates 2003) defines a groundwater basin subject to condition of critical overdraft as: "A basin is subject to critical conditions of overdraft when continuation of present water management practices would probably result in significant adverse overdraft-related environmental, social, or economic impacts."

## Additional Attachments:

1. Updated Status of Basin Plan Programs

**Update on Status of Basin Plan Infrastructure Projects**

Program Name	Project Name	Parties Involved	BMC Budgeted Amount	Funding Status	Anticipated Planning/Pre-Construction Cost	Anticipated Capital Cost	Status/Notes
<b>Program A</b> – Shift groundwater production from Lower Aquifer to Upper Aquifer	Water Systems Interconnection	LOCSA/ GSWC	NA	NA	NA	NA	<b>Completed</b>
	Upper Aquifer Well (8 <sup>th</sup> Street)	LOCSA	NA	Fully Funded	NA	\$307,000	<b>Completed</b>
	South Bay Well Nitrate Removal	LOCSA	NA	NA	NA	NA	<b>Completed</b>
	Palisades Well Modifications	LOCSA	NA	NA	NA	NA	<b>Completed</b>
	Blending Project (Skyline Well)	GSWC	NA	NA	NA	NA	<b>Completed</b>
	Water Meters	S&T	NA	NA	NA	NA	<b>Completed</b>
<b>Program B</b> - Shift groundwater production from Lower Aquifer to Upper Aquifer	LOCSA Wells (Upper Aquifer)	LOCSA		Not Funded	TBD	BMP: \$2.7 mil	Project not initiated
	GSWC Wells (Upper Aquifer)	GSWC		Not Funded	TBD	BMP: \$3.2 mil	Project not initiated
	Community Nitrate Removal Facility	LOCSA/GSWC/S&T	TBD	Partial, GSWC portion funded	TBD	GSWC: \$1.23 mil	GSWC’s Program A Blending Project might be capable of expanding to be the first phase of the Program B Community Nitrate Removal Facility.
<b>Program C</b> - Shift production within the Lower Aquifer from the Western Area to the Central Area of the Basin	Expansion Well No. 1 (Los Olivos)	GSWC	NA	NA	NA	NA	<b>Completed</b>
	Expansion Well No. 2 (Lower Aquifer)	LOCSA		LOCSA	TBD	BMP: \$2.5 mil	The water transmission main and well drilling/equipping construction are complete. However, supply chain issues are limiting the CSD’s ability to bring the well online. The current estimated timeline for start-up of the well is <u>September 2025</u> .
	Expansion Well 3 (Lower Aquifer) and LOVR Water Main Upgrade	GSWC/LOCSA		Cooperative Funding	TBD	BMP: \$1.6 mil	The deferral from Program C for this project was removed by the BMC on August 16th, 2023.
	LOVR Water Main Upgrade	GSWC		May be deferred	TBD	BMP: \$1.53 mil	Project may not be required, depending on the pumping capacity of the drilled Program C wells. It may be deferred to Program D.
	S&T/GSWC Interconnection	S&T/ GSWC		Pending	TBD	BMP: \$30,000	Currently on hold pending further evaluation of the project.
<b>Program D</b> - Shift production within the Lower Aquifer from the Western Area to the Eastern Area of the Basin							Currently being considered for deferment through Adaptive Management. BMC to review on an annual or semi-annual basis.
<b>Program M</b> – Groundwater Monitoring Plan	New Zone D/E lower aquifer monitoring well in Cuesta by the Sea	All Parties	NA	NA	NA	NA	<b>Completed</b>

Program Name	Project Name	Parties Involved	BMC Budgeted Amount	Funding Status	Anticipated Planning/Pre-Construction Cost	Anticipated Capital Cost	Status/Notes
Program U - Urban Water Reinvestment Program	Creek Discharge Program	All Parties				TBD	These activities are currently on hold. The Transient Model and Water Recycling Funding Study are intended to better inform the BMC on the most effective opportunities for increasing the sustainable yield of the Basin.
	8 <sup>th</sup> and El Moro Urban Storm Water Recovery Project	All Parties				TBD	These activities are currently on hold. The Transient Model and Water Recycling Funding Study are intended to better inform the BMC on the most effective opportunities for increasing the sustainable yield of the Basin.

**TO:** Los Osos Basin Management Committee

**FROM:** Dan Heimel, Executive Director

**DATE:** July 16, 2025

**SUBJECT:** Item 10a – Los Osos Water Recycling Funding Program (WRFP) Study Supply Alternatives Analysis

## Recommendations

Receive a presentation on the current status of the Los Osos Water Recycling Funding Program (WRFP) Study Supply Alternatives Analysis.

## Discussion

The Los Osos Water Recycling Funding Program (WRFP) Study includes development of a Transient Groundwater Model (Transient Model) and performance of a Supply Alternatives Analysis. The supply alternatives analysis will utilize the Transient Model to evaluate different potential recycled water and other water supply alternatives to help identify projects or actions that will benefit the sustainability of the Los Osos Groundwater Basin (Basin). In evaluating each of the alternatives, the supply analysis will look to quantify the benefit to the basin and assess potential costs and other feasibility considerations.

Water Systems Consulting (WSC) is a subcontractor to Cleath-Harris Geologists (CHG), who was selected by the Board of Directors to provide services for the WRFP Study project. CHG is preparing the Transient Model and WSC is leading the preparation of the water supply alternatives analysis and WRFP Study report development. Recycled water is a key resource in Los Osos for helping achieve long-term basin sustainability, and the WRFP Study will help ensure that recycled water is utilized in the most effective way feasible to mitigate the threat of seawater intrusion.

## Alternatives

The supply alternatives considered in the analysis are listed below:

1. Non-Potable Reuse, Irrigation
  - Urban Reuse: Conversion of existing schools, park, and cemetery irrigation systems to be served by the existing non-potable recycled water distribution system and offset potable water deliveries.
  - Agriculture Reuse: Distribution of recycled water to agriculture users to offset groundwater pumping.
2. Indirect Potable Reuse (IPR), Groundwater Replenishment
  - IPR, Creek Discharge: Discharge to Los Osos Creek to enhance groundwater recharge.
  - IPR, Injection for Seawater Barrier: Injection of advanced purified water into the lower aquifer of the Los Osos Basin to increase recharge and create a seawater intrusion barrier.
3. New Potable Supplies
  - Direct Potable Reuse (DPR): Delivery of advanced purified water to the drinking water distribution system to offset groundwater pumping.

- Upper Aquifer Nitrate Treatment: Regional Nitrate Treatment Facility to allow for enhanced use of nitrate contaminated upper aquifer supplies.
- Surface Water Intertie Pipeline: Interconnection with regional surface water conveyance system to provide access to State Water or other supplies to enable conjunctive use.

WSC will provide a presentation on the current status of the WRF Study Supply Alternatives Analysis for the BMC's consideration and input.

## Attachments

None

**TO: Los Osos Basin Management Committee**

**FROM: Dan Heibel, Executive Director**

**DATE: July 16, 2025**

**SUBJECT: Item 10b – Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric**

## Recommendations

Receive an update on the Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric.

## Discussion

Please find the attached Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric. As described in Section 5.14 of the Stipulated Judgment and Chapter 7 of the Basin Plan, the Basin Management Committee (BMC) established a groundwater monitoring program to provide the BMC, parties to the adjudication, private Basin water users and public agencies with updated information on groundwater resources in the Los Osos Basin. The final results, including water levels and results from the First Water and Upper Aquifer monitoring, will be included in the 2025 Annual Report.

The Water Level Metric has not been updated for Spring 2025 as Lower Aquifer Well (LA) 14 and LA 16 were recently modified (February 2025) to be dedicated Lower Aquifer Zone E monitoring wells. They previously were used to monitor water levels in both Zone D and Zone E. These modifications changed the depth of the screened intervals, see table below, so that water level readings collected at these wells now reflect Zone E water level elevations only and not the combined water level elevation of Zone D and E. Accordingly, the Water Level Metric Methodology needs to be modified to account for this change and BMC Staff will be re-initiating an initiative to evaluate existing metrics and provide recommendations to the BMC for improvements that can be made to incorporate the improvements that the BMC has made to the Groundwater Monitoring Program well network (i.e. construction of Sweet Springs/Cuesta-by-the-Sea and Skyline Monitoring Wells and modifications to LA 13, 14, and 16).

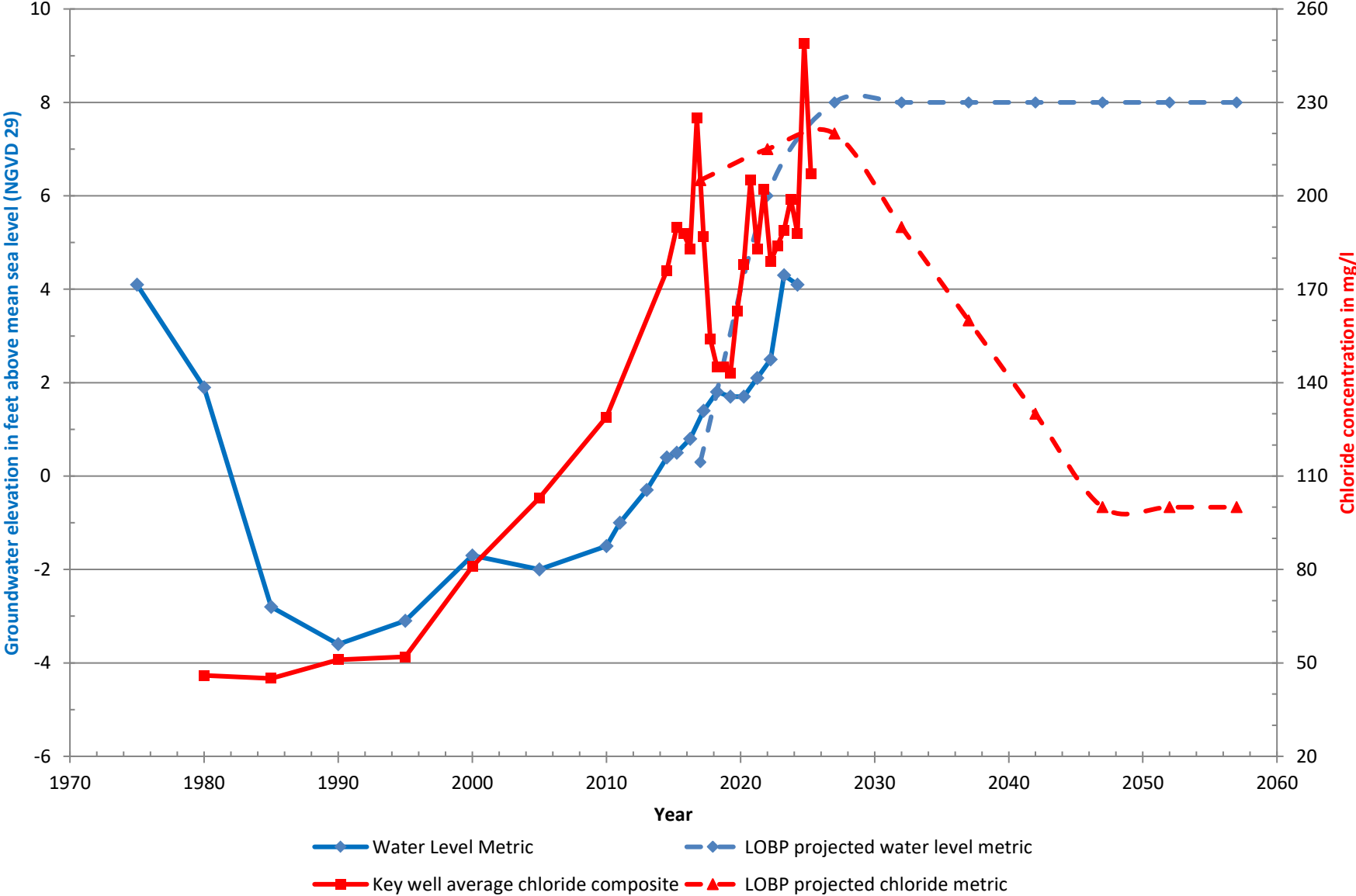
Well	Previous Screen Depth	Modified Screen Depth
LA 14	355-600 ft – Lower Aquifer Zone D/E	551-591 ft – Lower Aquifer Zone E
LA 16	330-575 ft – Lower Aquifer Zone D/E	469-509 ft – Lower Aquifer Zone E

## Attachments

1. Draft Spring 2025 Los Osos Basin Water Level Data, Lower Aquifer Water Quality Monitoring Results, and Updated Chloride Metric

# SPRING 2025 DRAFT

## Chloride and Water Level Metric Lower Aquifer



Note: Water level metric not updated for Spring 2025

# SPRING 2025 DRAFT

<b>Table 5. Spring 2025 Lower Aquifer Water Level Metric Wells</b>					
Well ID	State Well Number	R. P. Elevation (feet NAVD 88)	Date	Water Level (feet)	
				Depth	Elevation
LA2	30S/10E-11A2	16.07	4/17/25	10.88	5.19
LA3	30S/10E-14B2	23.89	4/17/25	20.9	2.99
LA11	30S/10E-12J1	8.43	4/2/25	3.14	5.29
LA14	30S/11E-18L6	79.52*	4/4/25	72.92	6.6
LA16	30S/11E-18M1	108.74*	4/4/25	105.21	3.53

\*Old reference points, need to be updated after modification in February 2025

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/10E-11A2	Sand Spit #1 East	LA2	D	3/14/2005	180	4600	16000	7.3	8900	5400	ND	430	770	640	20	1300
				10/21/2015	150	6640	17700	7.4	13100	6300	ND	740	1030	990	31	1560
				11/5/2020	220	6700	18000	7.7	15300	5890	ND	777	1140	936	38	1560
30S/10E-12J1	MBO5 DWR Obs.	LA11	E	2/14/2005	350	370	1300	8.1	840	77	ND	190	51	58	6.1	110
				11/20/2009	300	360	1150	7.5	732	83	ND	190	51	58	4.4	95
				7/24/2014	360	489	1290	7.7	780	105	ND	212	69	77	5	88
				4/22/2015	360	475	1290	7.8	810	112	ND	189	65	76	5	88
				10/1/2015	250	486	1280	7.3	840	117	ND	188	68	77	4	85
				4/20/2016	330	524	1370	n/a	840	151	ND	193	73	40	5	83
				10/10/2016	350	497	1370	7.1	930	173	ND	189	69	79	4	81
				4/11/2017	350	541	1380	7.5	880	167	ND	186	75	86	4	81
				10/4/2017	300	543	1370	7	850	162	ND	191	76	86	5	90
				4/10/2018	350	595	1390	7.6	820	173	ND	192	85	93	5	97
				10/2/2018	350	497	1340	7.4	870	160	ND	160	69	79	3	87
				4/9/2019	350	539	1430	7.4	860	196	ND	189	76	85	4	85
				10/2/2019	250	290	1520	7.6	1000	187	ND	189	80	90	5	91
				4/14/2020	350	667	1580	7	950	222	ND	187	81	113	5	83
				10/1/2020	350	763	1650	7.1	1040	242	ND	183	85	134	5	88
				4/5/2021	345	612	1630	7.6	1050	256	ND	192	88	96	5	91
				10/6/2021	340	569	1710	7.3	1020	258	ND	176	83	88	5	82
				4/13/2022	330	620	1800	7.3	1020	287	ND	183	90	96	4	87
				10/6/2022	350	633	1720	7.7	1220	279	ND	195	89	100	5	93
				4/13/2023	350	653	1840	7.2	1040	346	ND	188	92	103	5	89
10/4/2023	340	715	1910	7.4	1300	350	ND	188	102	112	5	93				
4/2/2024	350	675	1870	7.6	1130	340	ND	194	94	107	5	91				
10/2/2024	330	725	1980	7.8	1250	340	ND	189	101	115	5	92				
4/2/2025	340	754	2060	7.6	1240	430	ND	193	106	119	5	94				
30S/10E-13Bb	Lupine Zone D	LA41	D	11/7/2019	210	312	1310	7.7	760	136	3.1	188	69	34	4	140
				4/8/2020	310	204	943	7.1	560	68	0.3	109	44	23	2	101
				10/8/2020	340	263	920	7.1	490	52	0.1	89.4	51	33	2	72
				4/14/2021	333	289	855	7.9	505	66	ND	86	53	38	2	60
				10/11/2021	340	309	812	7.2	460	48	ND	80	58	40	2	64
				4/12/2022	330	309	818	8.3	500	47	ND	67	58	40	2	58
				10/11/2022	340	315	766	7.6	470	48	ND	71	62	39	2	57
				4/11/2023	340	260	764	7.5	440	51	ND	58	48	34	2	47
				10/23/2023	340	281	754	7.0	460	48	ND	57	50	38	2	50
				4/9/2024	340	292	729	7.5	410	48	ND	52	51	40	2	51
				10/10/2024	340	270	744	7.5	400	48	ND	49	47	37	2	47
4/9/2025	340	274	744	7.4	420	52	ND	48	47	37	2	46				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/10E-13Ba	Lupine Zone E	LA40	E	11/6/2019	210	2090	5330	7	4750	1460	1.3	224	388	272	6	182
				4/7/2020	240	3300	7360	7.6	6340	2190	0.3	202	569	458	7	203
				10/7/2020	270	4100	8220	6.9	7930	2220	ND	192	720	560	8	217
				4/15/2021	274	3760	8590	7.4	6760	2510	ND	217	558	576	7	210
				10/13/2021	270	3540	8930	7.4	7430	2910	ND	201	544	530	6	190
				4/14/2022	270	3780	8790	7.3	6790	2410	ND	187	523	601	6	178
				10/12/2022	280	3860	8860	7.5	8340	2900	ND	221	569	594	7	186
				4/12/2023	280	4570	9020	7.3	5870	2820	ND	232	575	762	7	198
				10/24/2023	280	4450	9200	6.9	9610	3200	ND	259	764	619	6	201
				4/8/2024	280	3760	9020	7.4	8040	3200	ND	251	650	519	6	197
10/9/2024	290	3690	9140	7.4	7670	2900	ND	255	658	499	7	248				
4/7/2025	280	4160	8830	7.4	9070	2700	ND	249	693	590	6	211				
30S/10E-13J1* Highlighted chloride values have been adjusted for wellbore leakage	GSWC Rosina	LA10	D,E	12/20/2004	72	230	720	7.1	410	150	1.6	14	38	33	1.4	29
				1/14/2010	35	260	778	6	435	200	1.6	13	41	38	1.5	33
				7/24/2014	80	418	1200	7.3	910	303	1.7	16	67	61	2	39
				4/22/2015	80	431	1230	7.1	750	331	1.9	20	69	63	2	39
				10/5/2015	70	460	1280	7	950	329	1.7	19	74	67	2	41
				4/26/2016	80	412	1170	7.1	840	299	1.8	18	66	60	2	37
				10/12/2016	60	509	1430	6.8	1100	389	1.8	26.7	82	74	2	44
				4/10/2017	80	327	957	6.9	720	300	2.6	14.7	52	48	2	35
				10/12/2017	80	245	702	6.9	510	220	3.4	12.5	39	36	2	33
				4/24/2018	70	188	620	7.4	400	190	4.3	12.3	29	28	1	29
				10/9/2018	70	265	730	7.1	450	210	3.2	12.7	42	39	2	34
				4/15/2019	80	251	744	7	600	174	1.9	10.4	38	38	2	31
				10/14/2019	80	332	961	7.1	830	229	2	12.7	54	48	1	33
				4/21/2020	80	353	1310	6.4	970	250	2.1	14.2	59	50	2	32
				10/7/2020	70	183	618	7.6	430	310	4.6	11.3	29	27	1	33
				4/6/2021	81	405	1110	7.6	815	258	2.1	16.1	66	58	2	36
				10/8/2021	80	413	1180	7.2	790	289	2.1	16.8	65	61	2	37
				4/18/2022	70	192	612	7.1	420	220	5.8	14.9	29	29	1	37
				12/5/2022	90	327	911	7.7	690	235	2	13.4	52	48	2	33
				5/8/2023	80	303	892	7.1	690	211	2	12.5	49	44	2	51
10/10/2023	80	277	805	7.6	610	235	3.2	13.2	45	40	2	35				
4/10/2024	70	230	688	7.2	480	211	3.2	11.4	36	34	2	31				
10/9/2024	80	519	1440	7.2	1120	360	2	26.9	86	74	2	43				
4/2/2025	80	312	894	7.6	750	210	2.2	14.2	51	45	2	33				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO <sub>3</sub>	Total Hardness	Cond	pH	TDS	Cl	NO <sub>3</sub> -N	SO <sub>4</sub>	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/10E-13M2 4/1/2021 and 10/16/2024 results show Upper Aquifer influence due to reduced pumping	Howard East	LA31	C,D	11/22/2004	51	810	2900	7.3	1500	810	0.5	140	60	120	4.7	210
				12/9/2009	55	1100	3740	7.1	2170	1100	0.5	220	160	160	4.8	370
				8/4/2014	60	757	3340	7.1	2450	990	0.6	178	117	113	5	382
				4/21/2015	60	739	3430	7.3	1930	950	0.6	178	117	113	5	382
				10/6/2015	30	756	3370	7.1	2140	960	0.5	185	115	114	5	342
				4/20/2016	50	726	3520	7.2	2190	941	0.7	179	113	108	5	400
				10/19/2016	70	722	3420	7.4	2190	943	0.6	182	113	107	4	398
				4/17/2017	60	733	3380	6.8	2060	907	0.6	178	114	109	4	413
				10/5/2017	60	738	3350	7.5	2190	960	0.7	160	116	109	5	411
				4/24/2018	70	664	3370	7.2	2020	946	0.6	2.8	103	99	4	367
				10/17/2018	60	740	3400	7.3	2180	834	0.6	153	115	110	5	414
				4/3/2019	70	640	3290	7.8	2010	940	0.6	179	103	93	4	341
				10/3/2019	70	574	3120	7.4	2120	827	0.7	169	90	85	4	340
				4/9/2020	70	519	2970	7.8	1740	738	0.6	152	86	74	4	258
				10/1/2020	70	774	3330	8	2080	844	0.7	169	94	131	5	495
				4/1/2021	218	187	1010	8.3	581	161	2.9	47	31	27	20	113
				11/4/2021	70	509	2780	7.9	1700	629	0.6	124	77	77	4	305
				5/11/2022	70	388	2550	7.6	1540	578	0.6	134	60	58	3	303
				10/6/2022	70	506	2520	8.3	1840	636	0.7	145	79	75	4	268
				4/4/2023	70	352	2180	7.1	1370	599	0.6	121	52	54	4	272
11/7/2023	70	425	2340	8.0	1440	600	0.7	131	68	62	3	247				
4/18/2024	70	375	2060	8.2	1230	560	0.7	113	58	56	3	221				
10/16/2024	80	193	1170	8.1	680	270	0.4	58.9	31	28	3	106				
4/17/2025	90	203	1290	7.8	750	300	1	69.6	32	30	5	136				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO <sub>3</sub>	Total Hardness	Cond	pH	TDS	Cl	NO <sub>3</sub> -N	SO <sub>4</sub>	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
<b>30S/10E-13N</b>	S&T #5	LA8	D	11/23/2004	42	80	390	6.9	200	67	5.9	9.2	13	12	1.7	38
				11/19/2009	41	89	386	6.8	267	73	6.1	11	15	13	1.4	38
				7/24/2014	50	100	438	7.4	270	76	7	10	17	14	2	38
				4/21/2015	50	98	445	6.9	280	77	7.7	11	16	14	2	38
				10/6/2015	40	98	422	7.2	310	75	6.8	10	16	14	1	38
				4/20/2016	20	97.5	446	7	320	76	7.2	12	16	14	1	38
				10/13/2016	50	104	470	8	320	79	7.2	12	17	15	1	40
				4/11/2017	50	100	434	7.4	270	77	7.3	12.4	17	14	1	38
				10/2/2017	30	95	438	7.2	290	78	7.6	13.2	15	14	1	36
				4/11/2018	60	104	440	7	260	79	7.9	13.5	17	15	1	39
				10/3/2018	60	107	430	6.5	340	66	6.7	12.9	18	15	2	40
				4/3/2019	50	100	434	6.3	250	75	7.3	12.7	17	14	1	36
				10/7/2019	60	95	446	7.6	250	77	7.7	14.4	15	14	1	37
				4/13/2020	60	104	443	8	300	75	7.4	14.5	17	15	2	37
				10/1/2020	60	108	464	7.9	300	76	7.5	14.4	17	16	1	40
				4/6/2021	63	103	438	7.4	302	78	7.8	13.1	17	15	1.4	38
				10/8/2021	60	108	443	7.8	290	77	7.5	13.3	17	16	2	41
				4/13/2022	60	106	449	8.1	270	76	7.3	12.8	16	16	1	40
				10/4/2022	60	108	432	7.4	280	77	6.6	13.1	17	16	2	38
				4/13/2023	60	139	443	8.0	250	80	7.3	13.2	21	21	1	41
10/4/2023	60	108	455	7.6	310	81	7.3	13.1	17	16	2	40				
4/4/2024	60	106	452	7.7	280	85	7.5	14.1	16	16	2	37				
10/10/2024	60	104	455	7.9	280	84	7.4	13.9	17	15	2	39				
4/1/2025	60	108	452	7.9	270	88	6.9	15.5	17	16	2	40				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na			
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l			
30S/10E-24C1	GSWC Cabrillo	LA9	D	12/20/2004	64	130	610	7	310	110	4.5	19	22	19	1.6	50			
				11/20/2009	60	150	611	7.1	347	130	4.1	22	23	22	1.6	52			
				7/24/2014	40	69	339	7.6	240	46	8.4	6	11	10	1	32			
				4/22/2015	70	117	530	7.3	320	95	5.5	16	19	17	2	45			
				10/5/2015	50	75	349	7.6	270	50	7.6	7	12	11	1	34			
				4/26/2016	70	115	499	7	300	90	5.6	16	18	17	2	44			
				10/12/2016	70	111	506	7.1	320	93	5.5	15.1	18	16	1	44			
				4/10/2017	70	111	490	7	310	89	5.7	15.9	18	16	1	43			
				10/12/2017	70	117	484	7	270	89	6	16.3	19	17	2	46			
				4/24/2018	70	115	486	7.8	300	90	6.2	16.7	18	17	1	43			
				10/9/2018	60	135	477	6.9	280	76	5.8	17.2	21	20	2	50			
				4/15/2019	70	112	488	7.1	310	92	5.7	15.6	17	17	2	45			
				10/14/2019	no sample (off-line)														
				4/21/2020	300	75.2	674	6.7	370	37	0.2	28.4	3	35	2	42			
				10/7/2020	60	102	460	7.4	270	75	6.6	13.1	16	15	1	40			
				4/6/2021	63	98.6	443	7.9	287	78	6.8	12.2	16	15	1	39			
				10/8/2021	60	112	490	7.7	280	86	6.4	16	17	17	2	44			
				4/18/2022	70	126	533	7.2	330	93	6.2	16.2	19	19	2	46			
				10/19/2022	70	126	502	7.4	310	93	6.5	15.6	19	19	2	48			
				4/11/2023	80	117	518	7.5	330	98	6.8	17.3	19	17	1	43			
10/10/2023	70	128	545	7.6	380	96	6.8	17.4	20	19	2	47							
4/10/2024	70	128	535	7.1	330	98	7	17.9	20	19	2	47							
10/9/2024	80	131	559	7.4	380	110	7.1	18.5	21	19	2	49							
4/2/2025	70	131	549	7.6	350	100	7	19.1	21	19	2	48							

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-7Q3	LOCSD 8th St.	LA12	D	11/18/2004	250	270	790	7.5	410	73	ND	39	44	40	2.3	48
				11/19/2009	220	290	782	7.4	465	92	ND	46	46	42	1.9	53
				7/23/2014	290	303	876	7.6	460	91	ND	43	49	44	2	54
				4/21/2015	290	305	897	7.7	500	101	ND	55	48	45	2	59
				10/6/2015	280	298	828	7.4	490	91	ND	46	47	44	2	55
				4/20/2016	190	307	907	7.7	520	91	ND	49	49	45	2	54
				10/11/2016	280	278	827	4.9	490	93	ND	46.2	44	41	2	52
				4/10/2017	300	294	839	7.3	480	91	ND	49.5	47	43	2	54
				10/4/2017	220	305	826	6.5	470	92	ND	45	48	45	2	56
				4/10/2018	300	319	814	7.7	440	93	ND	46.2	52	46	2	56
				10/2/2018	290	283	822	7.3	470	78	ND	50.1	46	41	1	53
				4/9/2019	300	301	844	7.5	480	94	ND	49.7	48	44	2	53
				10/2/2019	290	312	877	8	530	91	ND	50.9	49	46	2	56
				4/16/2020	310	301	883	7.8	500	94	ND	54.7	48	44	2	52
				10/5/2020	300	321	891	7.9	510	89	ND	49.6	51	47	2	57
				4/5/2021	305	297	849	7.7	504	94	ND	54.1	48	43	2	54
				10/6/2021	300	283	874	7.5	510	95	ND	55	46	41	2	51
				4/13/2022	300	276	879	7.4	490	94	ND	51.5	43	41	2	50
				10/4/2022	310	285	839	7.9	500	94	ND	51.5	45	42	2	52
				4/5/2023	310	317	842	7.1	490	98	ND	51.9	48	48	3	72
10/11/2023	310	298	849	7.4	520	95	ND	52.1	47	44	2	53				
4/1/2024	310	305	849	7.9	480	95	ND	51.3	48	45	2	55				
10/1/2024	310	298	860	7.7	550	100	ND	54.7	47	44	2	52				
4/1/2025	320	305	848	7.8	470	98	ND	56.3	49	45	2	55				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-17E8	So. Bay Obs. Middle	LA22	D	1/14/2005	150	150	440	7.5	290	34	2.2	11	24	22	1.4	28
				11/20/2009	120	160	455	7.3	255	42	4.3	12	25	23	1.3	29
				7/23/2014	150	166	500	7.6	270	43	6.3	10	27	24	2	28
				4/21/2015	150	157	481	7.6	270	49	7.1	13	25	23	1	28
				10/1/2015	120	164	475	7.4	290	44	6.6	10	26	24	1	28
				4/19/2016	150	164	476	6.9	290	45	6.9	12	26	24	1	29
				10/13/2016	140	161	521	7.3	290	46	6.9	11.9	25	24	1	29
				4/13/2017	150	164	466	7.3	300	46	6.7	13.2	26	24	1	29
				10/11/2017	150	168	476	7.7	260	47	7.2	14	26	25	1	29
				4/16/2018	150	165	473	6.4	310	47	6.7	14.2	25	25	1	29
				10/10/2018	150	160	471	7.5	250	43	6.1	15	26	23	1	28
				4/10/2019	180	153	466	7.2	290	46	5.8	13.6	25	22	1	28
				10/9/2019	150	155	485	7.3	270	49	7	14.9	24	23	1	28
				4/14/2020	160	164	482	8	280	48	6.3	14.9	26	24	1	27
				10/6/2020	160	181	506	7.5	340	47	6.7	14.7	28	27	1	30
				4/8/2021	159	154	470	7.5	329	46	5.8	12.5	24	23	1	27
				10/19/2021	170	181	480	7.4	310	41	5.8	14.9	28	27	1	29
				4/20/2022	160	178	518	7.6	320	43	7.4	14.6	27	27	1	29
				10/17/2022	180	213	485	7.4	300	45	7	16.5	31	33	2	32
				4/6/2023	200	176	496	7.7	300	41	5.5	14.9	26	27	1	26
10/17/2023	170	169	465	7.0	290	45	6.1	13.7	25	26	2	28				
4/3/2024	170	159	465	7.6	250	45	4.9	14.4	24	24	1	28				
10/7/2024	160	178	509	7.6	310	49	8.9	16.2	27	27	2	29				
4/16/2025	170	161	473	7.4	280	47	6	15.2	25	24	1	28				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-17N10	GSWC So. Bay #1	LA20	C,D,E	Jan 2003	250	--	510	7.1	290	37	ND	21	41	25	1.3	35
				11/20/2009	230	220	638	7.3	357	41	0.5	30	35	33	1.7	37
				7/24/2014	280	232	646	7.7	370	37	0.5	24	37	34	2	41
				4/22/2015	290	234	653	7.4	360	43	0.6	27	36	35	2	42
				10/5/2015	280	227	614	7.2	370	38	0.5	23	35	34	2	41
				4/26/2016	230	227	629	7.1	360	39	0.6	27	35	34	2	40
				10/12/2016	290	221	631	7	370	40	0.6	25.2	34	33	2	40
				4/10/2017	280	227	624	7.2	380	39	0.6	26.7	35	34	2	40
				10/12/2017	260	240	583	6.6	320	41	0.7	27.9	37	36	2	43
				4/24/2018	200	166	515	7.4	330	43	3.2	23.2	27	24	2	31
				10/9/2018	290	273	632	7.2	340	38	0.6	29.2	42	41	3	47
				4/15/2019	200	181	559	7.4	310	42	3.1	21.7	28	27	2	34
				10/14/2019	290	221	626	7.2	380	41	0.7	29	34	33	2	40
				4/21/2020	300	230	705	7	400	50	0.7	26.9	36	34	2	42
				10/7/2020	290	227	654	7.5	350	40	0.7	27	35	34	2	42
				4/6/2021	204	178	529	7.9	329	43	3	21.1	29	26	2	33
				10/7/2021	290	245	633	6.8	340	40	0.7	27.8	37	37	2	43
				4/18/2022	280	242	636	7.4	360	39	0.7	26.6	36	37	2	42
				10/19/2022	300	245	616	7.6	330	40	0.7	26.4	37	37	2	43
				4/11/2023	200	173	515	7.8	290	43	3.4	21.8	28	25	2	33
10/10/2023	220	193	538	7.7	320	43	3	23.4	31	28	2	36				
4/10/2024	300	231	610	7.3	330	40	0.7	27.3	35	35	2	40				
4/2/2025	270	223	593	7.5	310	44	1.4	26.4	35	33	2	39				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-18K8	10th St. Obs. East (Deep)	LA18	E	1/19/2005	260	290	650	7.5	370	33	ND	38	62	33	2.5	28
				11/20/2009	230	220	620	7.5	378	32	ND	40	51	24	1.8	23
				7/24/2014	290	271	647	7.5	380	28	ND	34	56	32	2	27
				4/21/2015	290	265	634	7.7	400	33	ND	39	55	31	2	27
				10/19/2015	230	256	621	7.3	370	29	ND	33	53	30	2	26
				4/20/2016	190	265	700	7.5	390	31	ND	38	55	31	2	26
				10/18/2016	290	256	615	6.8	370	31	ND	35.9	53	30	2	26
				4/12/2017	290	274	616	7.5	450	31	ND	38	57	32	2	27
				10/10/2017	220	271	619	7.8	350	30	ND	35.5	56	32	2	27
				4/17/2018	290	260	625	7.3	390	33	ND	39.9	53	31	2	27
				10/10/2018	290	254	608	7.5	360	31	ND	39.8	54	29	2	26
				4/10/2019	290	245	620	7.6	380	32	ND	37.4	52	28	2	25
				10/9/2019	290	253	647	7.9	390	33	ND	40.5	52	30	2	26
				4/14/2020	290	269	629	7.5	400	33	ND	40.2	55	32	2	26
				10/22/2020	300	247	669	7.5	370	32	ND	38.2	51	29	3	26
				4/12/2021	298	267	621	7.6	389	32	ND	41.2	54	32	2	27
				10/19/2021	300	287	657	7.4	400	32	ND	38.4	59	34	2	28
				4/15/2022	290	257	638	8.3	420	31	ND	36.5	52	31	2	25
				10/10/2022	310	278	613	8.0	400	33	ND	39.3	57	33	2	29
				4/6/2023	310	252	623	7.9	410	32	ND	38.7	50	31	2	26
10/17/2023	310	264	622	7.1	430	31	ND	37.7	53	32	2	26				
4/3/2024	310	260	628	7.6	410	33	ND	40	53	31	2	27				
10/3/2024	300	257	638	7.4	400	36	0.6	45.4	55	29	2	29				
4/3/2025	270	265	667	7.7	420	64	ND	60.9	55	31	2	35				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-18K9	LOCSD 10th St.	LA32	C,D	May 2002	250	--	550	6.9	320	37	0.2	26	31	32	--	39
				11/20/2009	180	160	539	7.2	307	36	1	27	27	24	1.3	32
				7/23/2014	220	190	546	7.7	300	32	1	20	30	28	1	35
				4/21/2015	190	108	504	7.6	270	38	1.6	20	17	16	1	27
				10/6/2015	50	62	248	7.2	190	31	5.9	3	10	9	ND	21
				4/20/2016	130	121	382	7.5	220	32	3.3	12	19	18	1	27
				10/11/2016	200	168	511	6.6	270	36	1.2	21.5	26	25	1	34
				4/10/2017	190	155	461	7.3	270	35	1.9	19.1	24	23	1	31
				10/9/2017	200	168	493	7.6	270	36	1.4	23.1	26	25	1	33
				4/10/2018	50	75.2	256	7.7	150	35	6.5	28.6	12	11	ND	23
				10/2/2018	210	168	492	7.3	270	36	1.3	22	26	25	ND	33
				4/9/2019	200	172	474	7.6	270	34	1.6	21.5	26	26	1	33
				10/2/2019	200	185	531	7.4	310	36	1.4	24.7	28	28	1	35
				4/16/2020	60	72.7	272	8.1	190	35	6	5.4	11	11	ND	20
				10/6/2020	60	68.6	246	8	180	30	4	4.9	11	10	ND	21
				4/5/2021	143	128	390	7.8	247	34	2.1	15.7	20	19	1	27
				10/6/2021	60	68.6	255	7.7	150	30	3.9	5.7	11	10	ND	20
				4/13/2022	70	66.1	262	7.6	150	30	3.8	5.2	10	10	ND	20
				10/6/2022	200	211	461	7.7	260	38	1.4	23.5	32	32	2	58
				4/5/2023	190	169	465	7.2	290	38	1.4	22.8	25	26	1	33
10/10/2023	200	168	482	7.6	290	38	1.3	21.4	26	25	2	32				
4/1/2024	200	172	487	7.7	260	41	1.4	23	26	26	2	32				
10/1/2024	200	161	493	7.6	300	43	1.4	22.7	25	24	1	30				
4/1/2025	200	178	500	7.7	280	50	1.4	24	27	27	1	33				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-18K	GSWC Los Olivos #5	LA39	D	4/15/2019	290	230	619	8.1	350	38	ND	27.4	33	36	2	41
				10/14/2019	300	225	628	7.2	370	37	ND	28.6	34	34	1	41
				4/21/2020	300	236	674	6.9	370	37	0.2	28.4	37	35	2	42
				10/7/2020	300	227	657	7.4	360	37	ND	28.2	35	34	2	43
				4/6/2021	301	226	629	8.0	382	38	ND	25.8	34	34	2	40
				10/8/2021	300	253	638	7.4	360	37	ND	29.3	37	39	2	45
				4/18/2022	250	209	561	7.6	330	34	ND	17.8	31	32	2	34
				10/19/2022	310	236	617	7.6	330	37	ND	28	37	35	2	44
				4/11/2023	310	214	626	7.5	340	38	ND	30.1	33	32	1	40
				10/10/2023	310	245	632	7.4	370	37	ND	29.4	37	37	2	42
				4/10/2024	310	235	625	7.2	350	38	ND	31.3	35	36	2	41
10/9/2024	300	231	621	7.3	360	39	0.4	30.7	35	35	2	42				
4/2/2025	300	225	607	7.5	340	39	0.5	30.5	34	34	2	41				
30S/11E-18L2**	LOCS D Palisades	LA15	D,E	11/18/2004	220	330	880	7.3	420	120	ND	31	54	48	2.2	40
				11/19/2009	200	590	1460	7.2	890	360	0.4	39	94	86	2	44
			D	7/23/2014	250	293	783	7.8	390	90	0.4	26	48	42	2	40
				4/29/2015	80	78	348	7.4	230	43	5	10	13	11	ND	30
				10/28/2015	230	288	782	7.4	420	104	0.6	29	46	42	ND	36
				4/27/2016	230	264	796	7.3	450	93	0.9	28	43	38	2	43
				10/11/2016	200	221	694	7	380	91	1.7	25.5	36	32	1	35
				10/5/2017	180	306	768	7.6	400	102	0.7	27	50	44	2	40
				4/10/2018	250	311	767	7.3	420	100	0.8	32.4	52	44	2	40
				10/23/2018	250	288	772	7.7	440	83	0.6	30.7	48	41	1	38
				4/9/2019	250	301	774	7.4	460	102	0.8	29.2	48	44	1	38
				11/14/2019	210	303	806	7.8	430	107	0.7	32.9	49	44	2	39
				4/16/2020	260	299	832	7.7	460	109	0.8	32.5	49	43	2	37
				10/5/2020	250	319	841	7.8	450	109	0.7	29.7	52	46	2	41
				4/6/2021	234	290	780	7.7	444	108	1	27.2	47	42	2	38
				10/6/2021	250	295	856	7.3	490	107	0.5	32.8	49	42	2	37
				4/13/2022	250	330	876	7.3	470	116	0.5	30.3	53	48	2	43
				10/4/2022	250	326	885	7.7	610	138	0.8	31.2	53	47	2	40
				4/11/2023	250	282	877	8.2	470	142	0.8	31.4	47	40	2	37
				10/9/2023	270	331	898	7.6	570	130	0.5	31.1	55	47	2	40
4/2/2024	260	323	861	7.9	480	130	0.7	32.9	52	47	2	39				
10/2/2024	250	323	900	8.2	530	130	0.8	31.7	52	47	2	39				
4/16/2025	260	326	913	7.4	560	160	0.7	34.7	53	47	2	39				

## Los Osos BMC Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3-N	SO4	Ca	Mg	K	Na
					mg/l	mg/l	µmhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/11E-18F2	LOCSD Ferrell	LA13	E	4/5/2023	190	132	668	8.3	310	77	ND	62.1	15	23	2	76
				10/11/2023	280	168	656	7.7	400	50	ND	39.7	23	27	2	70
				4/11/2024	210	139	583	8.4	290	61	ND	41	13	26	2	66
				10/8/2024	330	245	639	7.8	380	37	ND	28.4	34	39	2	42
				4/10/2025	310	224	625	8.0	350	42	ND	28.3	32	35	2	47
30S/10E-14B2	Sand Spit #3 Deep	LA3	D	3/15/2005	100	3600	30000	8	17000	8500	ND	960	1200	130	34	4300
				10/21/2015	ND	7140	29500	11	24700	10000	ND	530	2830	20	80	4040
30S/11E-13Ja	Skyline 1a (North)	LA42	E	4/17/2024	270	2940	6150	7.5	6340	1900	ND	170	583	360	6	107
				10/16/2024	270	2290	6160	7.5	5800	1800	ND	156	517	242	5	99
				4/14/2025	270	2860	6090	7.5	5220	2100	ND	166	576	345	5	96
30S/11E-13Jb	Skyline 1b (South)	LA43	D	4/17/2024	320	277	724	7.5	420	61	ND	37.9	45	40	2	41
				10/16/2024	330	286	712	7.6	400	49	ND	38.5	47	41	2	42
				4/14/2025	330	261	712	7.5	390	55	ND	41	42	38	2	39

\*Chloride concentrations at 13J1 can vary seasonally by 100+ mg/l and are affected by well production and borehole leakage, so fluctuations are expected.

\*\*Water from 18L2 and 13M2 affected by wellbore leakage/upper aquifer influence when inactive

### Legend and Detection Limits

Constituent	Description	Practical Quantitation Limit*
HCO3	Bicarbonate Alkalinity in mg/L CaCO3	10.0
Total Hardness	Total Hardness in mg/L CaCO3	--
Cond	Electrical Conductance in µmhos/cm	1.0
pH	pH in pH units	--
TDS	Total Dissolved Solids in mg/L	20.0
Cl	Chloride concentration in mg/L	1.0
NO3-N	Nitrate as Nitrogen concentration in mg/L	0.1
SO4	Sulfate concentration in mg/L	2.0
Ca	Calcium concentration in mg/L	1.0
Mg	Magnesium concentration in mg/L	1.0
K	Potassium concentration in mg/L	1.0
Na	Sodium concentration in mg/L	1.0

\*where dilution not required

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