

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 Wednesday, January 15th, 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

Supervisor Bruce Gibson will be appearing at the Wednesday, January 15th, 2025 meeting of the Los Osos Basin Management Committee via teleconference pursuant to Government Code, Section 54953. The teleconference location is 1100 K St., Sacramento, CA 95814 (California State Assn. of Counties) and members of the public will be able to participate in the meeting from that location. Notice of this location and the entire Los Osos Basin Management Committee agenda will be posted at 1100 K St., Sacramento, CA 95814.

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. SPECIAL PRESENTATION

- a. None

6. 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. **2024 Financial Reports**
- b. **Approval of Minutes from December 3rd, 2024 Special BMC Meeting**

7. 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.

8. EXECUTIVE DIRECTOR'S REPORT

9. ACTION ITEMS

- a. **Appointment of BMC Officers for Calendar Year 2025**

Recommendation: For the BMC to review the existing officer positions and appoint officers for CY 2025 or provide alternative direction to staff.

- b. **Consider Approval of BMC Consulting Services Proposals for CY 2025**

Recommendation: Receive proposals for BMC consulting services for CY 2025 and consider approval or provide alternate direction to staff.

- c. **Consider Approval of a BMC Budget Reserve Target policy**

Recommendation: Consider approval of a BMC Budget Reserve Target Policy or provide alternate direction to staff.

- d. **Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results and Updated Chloride Metric**

Recommendation: Receive an update on the Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results and Updated Chloride Metric.

10. ADJOURNMENT

TO: Los Osos Basin Management Committee

FROM: Daniel Heimel, Executive Director

DATE: January 15th, 2025

SUBJECT: Item 6 – 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.

Discussion

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

Attachment 1: Cost Summary (January 2024 to Current Date) for Calendar Year 2024 Budget

Item	Description	Budget Amount	Approved Contingency Allocation	Updated Allocated Budget Amount	Costs Incurred	Percent Incurred	Remaining Budget
1	BMC Administration and Facilitation	\$80,000		\$80,000	\$89,903.75	112.4%	-\$9,904
2	BMC Website Hosting	\$1,690		\$1,690	\$1,690.00	100.0%	\$0
3	BMC Accounting Services	\$6,300		\$6,300	\$5,214.24	82.8%	\$1,086
4	BMC Legal Counsel	\$20,000		\$20,000	\$2,270.00	11.4%	\$17,730
5	Meeting expenses: Audio and video services	\$2,000		\$2,000	\$800.00	40.0%	\$1,200
6	Technical Support Services	\$15,000		\$15,000	\$5,730.80	38.2%	\$9,269
7	2024 Groundwater Monitoring	\$64,000		\$64,000	\$64,000.06	100.0%	\$0
8	2023 Annual Report	\$68,000		\$68,000	\$67,997.50	100.0%	\$3
9	WRFPP Study Peer Review - Year 1	\$15,000		\$15,000	\$0.00	0.0%	\$15,000
10	Groundwater Monitoring Program Improvements	\$70,000		\$70,000	\$0.00	0.0%	\$70,000
	Subtotal	\$341,990		\$341,990	\$237,606		\$104,384
	5% Contingency	\$12,100					
	Total	\$354,090			\$237,606	67.1%	\$116,483
	LOCS (38%)	\$134,554					
	GSWC (38%)	\$134,554					
	County of SLO/SLOCFC&WCD (20%)	\$70,818					
	S&T Mutual (4%)	\$14,164					

Attachment 2: Invoice Register for Los Osos BMC for Calendar Year 2024

Vendor	Invoice No.	Amount	Month of Service	Description	Budget Item	Date Executive Director Approved	Date BMC Chairperson Approved	Date BMC Approved
CHG	20231203	\$2,335.00	Dec-23	Annual Report Preparations	8	Feb-24		
Streamline	9877A921-0001	\$250.00	Dec-23	Website Hosting	2	Feb-24		
Streamline	9877A921-0002	\$1,440.00	Jan-Dec 2024	Website Hosting	2	Feb-24		
CHG	20240106	\$10,490.00	Jan-24	Annual Report Preparations	8	Feb-24		
Deluxe	9003939794	\$357.99	Jan-24	BMC Bank Account Checks	3	Feb-24		
ConfluenceES	1146	\$9,436.25	Jan-24	Executive Director Services	1		Feb-24	
Stilts CPA	2024-01	\$1,225.00	Jan-24	Accounting Services	3	Mar-24		
CHG	20240206	\$22,025.00	Feb-24	Annual Report Preparations	8	Mar-24		
CHG	20240232	\$2,684.00	Feb-24	Groundwater Monitoring	7	Mar-24		
Stilts CPA	2024-02	\$787.50	Feb-24	Accounting Services	3	Mar-24		
ConfluenceES	1148	\$4,440.00	Feb-24	Executive Director Services	1		Mar-24	
CHG	20240306	\$25,500.00	Mar-24	Annual Report Preparations	8	Apr-24		
CHG	20240307	\$3,599.40	Mar-24	Groundwater Monitoring	7	Apr-24		
Stilts CPA	2024-03	\$700.00	Mar-24	Accounting Services	3	Apr-24		
ConfluenceES	1153	\$5,706.25	Mar-24	Executive Director Services	1		Apr-24	
RWG Law	246457	\$385.00	Jan-24	BMC Legal Counsel	4	Apr-24		
RWG Law	246963	\$70.00	Feb-24	BMC Legal Counsel	4	Apr-24		
AGP	9426	\$400.00	Jan/Mar 24	Meeting expenses: Audio and video services	5	Apr-24		
CHG	20240411	\$7,400.00	Apr-24	Annual Report Preparations	8	May-24		
CHG	20240412	\$22,789.20	Apr-24	Groundwater Monitoring	7	May-24		
Stilts CPA	2024-04	\$306.25	Apr-24	Accounting Services	3	May-24		
ConfluenceES	1161	\$8,063.75	Apr-24	Executive Director Services	1		May-24	
AGP	9452	\$200.00	Apr-24	Meeting expenses: Audio and video services	5	Jun-24		
CHG	20240509	\$247.50	May-24	Annual Report Preparations	8	Jun-24		
AGP	9479	\$200.00	May-24	Meeting expenses: Audio and video services	5	Jun-24		
Stilts CPA	2024-05	\$481.25	May-24	Accounting Services	3	Jun-24		
CHG	20240510	\$2,865.80	May-24	Technical Support Services	6			Jun-24
ConfluenceES	1167	\$9,946.25	May-24	Executive Director Services	1		Jun-24	
CHG	20240608	\$2,085.00	Jun-24	Technical Support Services	6	Jul-24		
Stilts CPA	2024-06	\$262.50	Jun-24	Accounting Services	3	Jul-24		
ConfluenceES	1178	\$12,750.00	Jun-24	Executive Director Services	1		Jul-24	
RWG Law	247889	\$735.00	Apr-24	BMC Legal Counsel	4	Aug-24		
Stilts CPA	2024-07	\$218.75	Jul-24	Accounting Services	3	Aug-24		
ConfluenceES	1182	\$5,202.50	Jul-24	Executive Director Services	1		Aug-24	

CHG	20240714	\$780.00	Jul-24	Technical Support Services	6			Sep-24
Stilts CPA	2024-08	\$218.75	Aug-24	Accounting Services	3	Sep-24		
ConfluenceES	1189	\$6,220.00	Aug-24	Executive Director Services	1		Sep-24	
CHG	20240907	\$4,655.00	Sep-24	Groundwater Monitoring	7	Oct-24		
Stilts CPA	2024-09	\$306.25	Sep-24	Executive Director Services	1	Oct-24		
ConfluenceES	1198	\$6,027.50	Sep-24	Executive Director Services	1			
RWG Law	249963	\$756.00	Sep-24	BMC Legal Counsel	4	Oct-24		
Stilts CPA	2024-10	\$131.25	Oct-24	Accounting Services	3	Nov-24		
CHG	20241010	\$27,367.26	Oct-24	Groundwater Monitoring	7	Nov-24		
ConfluenceES	1209	\$9,566.25	Oct-24	Executive Director Services	1		Jan-25	
Stilts CPA	2024-11	\$218.75	Nov-24	Accounting Services	3	Dec-24		
CHG	20241112	\$2,905.20	Nov-24	Groundwater Monitoring	7	Dec-24		
RWG Law	251057	\$324.00	Nov-24	BMC Legal Counsel	4	Dec-24		
ConfluenceES	1211	\$8,487.50	Nov-24	Executive Director Services	1			
ConfluenceES	1215	\$4,057.50	Dec-24	Executive Director Services	1			
	2024 Total	\$237,606.35						To be approved

Los Osos Basin Management Committee
 Statement of Revenues and Expenditures
 100 - BMC
 From 11/1/2024 Through 11/30/2024

	Current Period Actual	Current Year Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Operating Revenue					
Contributions					
4010	0.00	134,459.00	134,459.00	0.00	0.00%
4020	0.00	134,459.00	134,459.00	0.00	0.00%
4030	0.00	70,768.00	70,768.00	0.00	0.00%
4040	0.00	14,154.00	14,154.00	0.00	0.00%
	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
Total Revenue					
	<u>0.00</u>	<u>353,840.00</u>	<u>353,840.00</u>	<u>0.00</u>	<u>0.00%</u>
Expenditures					
Program Expenses					
5010	0.00	67,792.50	75,000.00	7,207.50	9.61%
5020	0.00	1,690.00	1,690.00	0.00	0.00%
5030	0.00	3,991.74	6,300.00	2,308.26	36.64%
5040	0.00	1,946.00	20,000.00	18,054.00	90.27%
5050	0.00	800.00	2,000.00	1,200.00	60.00%
5060	0.00	5,730.80	15,000.00	9,269.20	61.79%
5070	0.00	33,727.60	64,000.00	30,272.40	47.30%
5080	0.00	65,662.50	68,000.00	2,337.50	3.44%
5090	0.00	0.00	15,000.00	15,000.00	100.00%
6000	0.00	0.00	70,000.00	70,000.00	100.00%
	<u>0.00</u>	<u>181,341.14</u>	<u>336,990.00</u>	<u>155,648.86</u>	<u>46.19%</u>
	<u>0.00</u>	<u>181,341.14</u>	<u>336,990.00</u>	<u>155,648.86</u>	<u>46.19%</u>
Net Revenue Over Expenditures					
	<u>0.00</u>	<u>172,498.86</u>	<u>16,850.00</u>	<u>155,648.86</u>	<u>923.73%</u>

Los Osos Basin Management Committee

Statement of Revenues and Expenditures

100 - BMC

From 12/1/2024 Through 12/31/2024

	Current Period Actual	Current Year Actual	Total Budget \$ - Original	Total Budget \$ Variance - Original	Percent Total Budget Remaining - Original
Operating Revenue					
Grant Revenue					
4050	150,000.00	150,000.00	0.00	150,000.00	0.00%
	150,000.00	150,000.00	0.00	150,000.00	0.00%
Contributions					
4010	0.00	134,459.00	134,459.00	0.00	0.00%
4020	0.00	134,459.00	134,459.00	0.00	0.00%
4030	0.00	70,768.00	70,768.00	0.00	0.00%
4040	0.00	14,154.00	14,154.00	0.00	0.00%
	0.00	353,840.00	353,840.00	0.00	0.00%
	150,000.00	503,840.00	353,840.00	150,000.00	42.39%
Total Revenue	150,000.00	503,840.00	353,840.00	150,000.00	42.39%
Expenditures					
Program Expenses					
5010	0.00	77,358.75	75,000.00	(2,358.75)	(3.15)%
5020	0.00	1,690.00	1,690.00	0.00	0.00%
5030	0.00	4,122.99	6,300.00	2,177.01	34.56%
5040	0.00	1,946.00	20,000.00	18,054.00	90.27%
5050	0.00	800.00	2,000.00	1,200.00	60.00%
5060	0.00	5,730.80	15,000.00	9,269.20	61.79%
5070	0.00	61,094.86	64,000.00	2,905.14	4.54%
5080	0.00	65,662.50	68,000.00	2,337.50	3.44%
5090	0.00	0.00	15,000.00	15,000.00	100.00%
6000	0.00	0.00	70,000.00	70,000.00	100.00%
	0.00	218,405.90	336,990.00	118,584.10	35.19%
Total Expenditures	0.00	218,405.90	336,990.00	118,584.10	35.19%
Net Revenue Over Expenditures	150,000.00	285,434.10	16,850.00	268,584.10	1,593.97%

Los Osos Basin Management Committee

Balance Sheet
As of 11/30/2024

		Current Period Balance
Assets		
Current Assets		
Cash & Cash Equivalents		
General Checking Account	1012	169,288.86
Total Cash & Cash Equivalents		169,288.86
Total Current Assets		169,288.86
Total Assets		169,288.86
Liabilities		
Short-term Liabilities		
Accounts Payable		
Vendor Payable (Control Account)	2000	0.00
Total Accounts Payable		0.00
Total Short-term Liabilities		0.00
Total Liabilities		0.00
Net Assets		
Current YTD Net Income		
REVENUES		353,840.00
EXPENDITURES		(181,341.14)
EQUITY		
Fund Balance	3200	(3,210.00)
Total EQUITY		(3,210.00)
Total Current YTD Net Income		169,288.86
Total Net Assets		169,288.86
Total Liabilities and Net Assets		169,288.86

Los Osos Basin Management Committee

Balance Sheet
As of 12/31/2024

		Current Period Balance
		<u> </u>
Assets		
Current Assets		
Cash & Cash Equivalents		
General Checking Account	1012	<u>319,288.86</u>
Total Cash & Cash Equivalents		<u>319,288.86</u>
Total Current Assets		<u>319,288.86</u>
Total Assets		<u><u>319,288.86</u></u>
Liabilities		
Short-term Liabilities		
Accounts Payable		
Vendor Payable (Control Account)	2000	<u>37,064.76</u>
Total Accounts Payable		<u>37,064.76</u>
Total Short-term Liabilities		<u>37,064.76</u>
Total Liabilities		<u>37,064.76</u>
Net Assets		
Current YTD Net Income		
REVENUES		353,840.00
EXPENDITURES		(218,405.90)
EQUITY		
Fund Balance	3200	<u>(3,210.00)</u>
Total EQUITY		<u>(3,210.00)</u>
Total Current YTD Net Income		<u>132,224.10</u>
Total Net Assets		<u>132,224.10</u>
Total Liabilities and Net Assets		<u><u>169,288.86</u></u>

Los Osos Basin Management Committee
Reconcile Cash Accounts

Summary

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 11292024
Reconciliation Date: 11/29/2024
Status: Locked

Bank Balance	181,057.61
Less Outstanding Checks/Vouchers	11,768.75
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	169,288.86
Balance Per Books	<u>169,288.86</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 11292024
Reconciliation Date: 11/29/2024
Status: Locked

Outstanding Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0027	11/4/2024	System Generated Check/Voucher	6,027.50	CONFLUENCE ENGINEERING SOLUTIONS, INC.
0028	11/4/2024	System Generated Check/Voucher	5,435.00	CLEATH-HARRIS GEOLOGISTS, INC.
0030	11/4/2024	System Generated Check/Voucher	306.25	Robert Stilts, CPA
Outstanding Checks/Vouchers			<u>11,768.75</u>	

Los Osos Basin Management Committee
Reconcile Cash Accounts

Detail

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 11292024
Reconciliation Date: 11/29/2024
Status: Locked

Cleared Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0029	11/4/2024	System Generated Check/Voucher	756.00	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION
Cleared Checks/Vouchers			756.00	

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

Summary

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 12312024
Reconciliation Date: 12/31/2024
Status: Locked

Bank Balance	319,595.11
Less Outstanding Checks/Vouchers	306.25
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	319,288.86
Balance Per Books	<u>319,288.86</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 12312024
Reconciliation Date: 12/31/2024
Status: Locked

Outstanding Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0030	11/4/2024	System Generated Check/Voucher	306.25	Robert Stilts, CPA
Outstanding Checks/Vouchers			306.25	

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

Detail

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 12312024
Reconciliation Date: 12/31/2024
Status: Locked

Cleared Checks/Vouchers

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Payee</u>
0027	11/4/2024	System Generated Check/Voucher	6,027.50	CONFLUENCE ENGINEERING SOLUTIONS, INC.
0028	11/4/2024	System Generated Check/Voucher	5,435.00	CLEATH-HARRIS GEOLOGISTS, INC.
Cleared Checks/Vouchers			11,462.50	

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

Detail

Cash Account: 1012 General Checking Account
Reconciliation ID: Bank Account Reconciliation 12312024
Reconciliation Date: 12/31/2024
Status: Locked

Cleared Deposits

<u>Document Number</u>	<u>Document Date</u>	<u>Document Description</u>	<u>Document Amount</u>	<u>Deposit Number</u>
0943179772	12/24/2024	Rose Foundation Lower Aquifer Water Quality Monitoring Well	150,000.00	
Cleared Deposits			150,000.00	

Los Osos Basin Management Committee

Check/Voucher Register - Warrant Register

1012 - General Checking Account

From 1/1/2024 Through 12/31/2024

Check Number	Vendor Name	Transaction Description	Document Date	Check Amount
0001	CONFLUENCE ENGINEERING SOLUTIONS, INC.	1/1/24-1/31/24 Executive Director Services	3/4/2024	9,436.25
0002	CLEATH-HARRIS GEOLOGISTS, INC.	1/1/24-1/31/24 2023 Annual Report	3/4/2024	10,490.00
	CLEATH-HARRIS GEOLOGISTS, INC.	12/1/23-12/31/23 2023 Annual Report	3/4/2024	2,335.00
0003	Robert Stilts, CPA	12/1/23-1/31/24 Accounting services	3/4/2024	1,225.00
0004	CONFLUENCE ENGINEERING SOLUTIONS, INC.	02/01/24-02/29/24 Executive Director Services	3/18/2024	4,440.00
0005	CLEATH-HARRIS GEOLOGISTS, INC.	02/01/24-02/29/24 2023 Annual Report	3/18/2024	22,025.00
	CLEATH-HARRIS GEOLOGISTS, INC.	02/01/24-02/29/24 2024 Groundwater Monitoring WECK Lab	3/18/2024	2,684.00
0006	Robert Stilts, CPA	02/01/24-02/29/24 Accounting Services	3/18/2024	787.50
0007	AGP VIDEO, INC	1/17/24, 3/20/24 Teleconference Processing, upload	4/17/2024	400.00
0008	CONFLUENCE ENGINEERING SOLUTIONS, INC.	3/1/24-3/31/24 Executive Director Services	4/17/2024	5,706.25
0009	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/24-3/31/24 2023 Annual Report	4/17/2024	25,500.00
	CLEATH-HARRIS GEOLOGISTS, INC.	3/1/24-3/31/24 2024 Groundwater Monitoring	4/17/2024	3,599.40
0010	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	1/1/24-1/31/24 General Legal Counsel	4/17/2024	385.00
	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	2/1/24-2/29/24 General Legal Counsel	4/17/2024	70.00
0011	Robert Stilts, CPA	3/1/24-3/31/24 Accounting Services	4/17/2024	700.00
0012	CONFLUENCE ENGINEERING SOLUTIONS, INC.	4/1/24-4/30/24 Executive Director Services	5/22/2024	8,063.75
0013	CLEATH-HARRIS GEOLOGISTS, INC.	4/1/24-4/30/24 2023 Annual Report	5/22/2024	7,400.00
	CLEATH-HARRIS GEOLOGISTS, INC.	4/1/24-4/30/24 2024 Groundwater Monitoring	5/22/2024	22,789.20
0014	Robert Stilts, CPA	4/1/24-4/30/24 Accounting Services	5/22/2024	306.25
0015	AGP VIDEO, INC	4/17/24 Teleconference Processing, upload	6/12/2024	200.00
	AGP VIDEO, INC	5/15/24 Teleconference Processing, upload	6/12/2024	200.00
0016	CONFLUENCE ENGINEERING SOLUTIONS, INC.	5/1/24-5/31/24 Executive Director Services	6/12/2024	9,946.25
0017	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/24-5/31/24 2023 Annual Report	6/12/2024	247.50
	CLEATH-HARRIS GEOLOGISTS, INC.	5/1/24-5/31/24 2024 Technical Support Services	6/12/2024	2,865.80
0018	Robert Stilts, CPA	5/1/24-5/31/24 Accounting Services	6/12/2024	481.25
0019	CONFLUENCE ENGINEERING SOLUTIONS, INC.	6/1/24-6/30/24 Executive Director Services	7/28/2024	12,750.00

Los Osos Basin Management Committee

Check/Voucher Register - Warrant Register

1012 - General Checking Account

From 1/1/2024 Through 12/31/2024

Check Number	Vendor Name	Transaction Description	Document Date	Check Amount
0020	CLEATH-HARRIS GEOLOGISTS, INC.	6/1/24-6/30/24 2024 Technical Support Services	7/28/2024	2,085.00
0021	Robert Stilts, CPA	6/1/24-6/30/24 Accounting Services	7/28/2024	262.50
0022	CONFLUENCE ENGINEERING SOLUTIONS, INC.	7/1/24-7/31/24 Executive Director Services	8/29/2024	5,202.50
0023	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	4/1/24-4/30/24 General Legal Counsel	8/29/2024	735.00
0024	Robert Stilts, CPA	7/1/24-7/31/24 Accounting Services	8/29/2024	218.75
0025	CONFLUENCE ENGINEERING SOLUTIONS, INC.	8/1/24-8/31/24 Executive Director Services	9/23/2024	6,220.00
0026	Robert Stilts, CPA	8/1/24-8/31/24 Accounting Services	9/23/2024	218.75
0027	CONFLUENCE ENGINEERING SOLUTIONS, INC.	9/1/24-9/30/24 Executive Director Services	11/4/2024	6,027.50
0028	CLEATH-HARRIS GEOLOGISTS, INC.	7/1/24-7/31/24 2024 Technical Support Services	11/4/2024	780.00
	CLEATH-HARRIS GEOLOGISTS, INC.	9/1/24-9/30/24 2024 Groundwater Monitoring	11/4/2024	4,655.00
0029	RICHARDS, WATSON & GERSHON A PROFESSIONAL CORPORATION	9/1/24-9/30/24 General Legal Counsel	11/4/2024	756.00
0030	Robert Stilts, CPA	9/1/24-9/30/24 Accounting Services	11/4/2024	306.25
ACH_Delux2.21....	DELUXE	2/17/24 Deluxe Checks and Envelopes	2/21/2024	357.99
ACH_Strmlne2.1...	STREAMLINE SOFTWARE, INC.	2/16/24 Streamline Website Hosting & Migration Fee	2/16/2024	1,690.00
Report Total				184,548.64

BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS

Agenda Item 6b: Minutes of the Special Meeting of December 3, 2024

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
1. Call to Order	Chair Zimmer called the meeting to order at approximately 1:30 PM (00:00:01).
2. Roll Call	Daniel Heimel, Executive Director, called roll to begin the meeting. Director Zimmer, Director Cesena, Director Gibson, and Director Reinke were present (00:00:01).
3. Pledge of Allegiance	(00:00:30)
4. Board Member Comments	Board Discussion (00:01:00) None Public Comment
5. Special Presentation	
None	None (00:01:00)
6. Consent Agenda	Approval of Minutes from October 16th, 2024 Regular BMC Meeting (00:01:00)
6a. 2024 Financial Reports	Board Discussion None
6b. Approval of Minutes from October 16th, 2024 Regular BMC Meeting	Public Comment Lynette Brooks (00:03:20) Board Action on Consent Agenda (00:05:30) The Board approved the 2024 financial reports and minutes from October 16th, 2024 Regular BMC Meeting. Motion: Director Gibson Second: Director Cesena Ayes: All Nays: None Passes: 4-0
7. Public Comments on Items Not Appearing on the Agenda	Public Comment Lynette Brooks (00:06:30) Patrick McGibney (00:09:45) Board Discussion (00:13:00)
8. Executive Director's Report	Executive Director's Report (00:16:30) Public Comment Lynette Brooks (00:23:10)

	Board Discussion (00:26:15)
9. Action Items	
9a. Calendar Year 2025 Budget	<p>Calendar Year 2025 Budget (00:29:00)</p> <p>Recommendation: Receive information on and consider approval of the proposed Calendar Year 2025 BMC Budget and Budget Reserve Target; or provide alternate direction to Staff.</p> <p>Public Comment Lynette Brooks (00:36:30)</p> <p>Board Discussion (00:38:20)</p> <p>Board Action (01:11:50) The Board approved the proposed Calendar Year 2025 BMC Budget with two modifications:</p> <ol style="list-style-type: none"> Line Item 1 – BMC Administration and Facilitation: The Board approved the presented budget for Executive Director support services with the modification that cost be tracked at a task level, as outlined in the proposal, for the Executive Director invoices. Line Item 2 - BMC Legal Counsel: The Board reduced the approved budget for BMC Legal Counsel from \$20,000 to \$5,000 and provided direction to Staff to make documents available to the public and BMC Parties which indicate how a potential conflict would be handled [should RWG provide legal counsel services to both the BMC and LOCSD] and to bring back this budget line item to the BMC to determine the appropriate amount of budget for BMC Legal Counsel in 2025. <p>Motion: Director Gibson Second: Director Cesena Ayes: All Nays: None Passes: 4-0</p>
9b. Updated San Luis Obispo County Flood Control and Water Conservation District State Water Project Policies and Criteria for Use	<p>Updated San Luis Obispo County Flood Control and Water Conservation District State Water Project Policies and Criteria for Use (01:14:45)</p> <p>Recommendation: Receive information on the Updated SLOCFCWCD SWP Policies and Criteria for Use and provide direction to Staff.</p> <p>Board Discussion (01:20:20)</p> <p>Public Comment None</p> <p>Board Action (01:26:00) The Board received information on the Updated SLOCFCWCD SWP Policies and Criteria for Use and provided direction for Staff to review and bring back at a future meeting.</p> <p>Motion: N/A Second: N/A Ayes: N/A</p>

	Nays: N/A Passes: N/A
10. Adjournment	Meeting adjourned at approximately 3 PM (01:26:00) The next regularly scheduled meeting is December 18th, 2024.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: January 15th, 2024

SUBJECT: Item 8 – 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 11th, 2022 the Los Osos Community Services District (LOCS D) submitted an application for a 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 17th, 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 recently submitted to the SWRCB for their approval consideration to allow for additional time to incorporate recently published data from the Department of Water Resources (DWR) Aerial Electromagnetic (AEM) Survey. The BMC and LOCS D received notice that the SWRCB is in the process of amending the agreement to reflect the updated schedule (see in table below). The next steps for the WRFP Study are for CHG to incorporate the AEM Data, completed the calibration and meet with the peer review hydrogeologist and Technical Advisory Committee (TAC) in February 2025. Following these meetings, BMC Staff and CHG will provide a presentation on the Transient Model to the BMC.

Proposed Updated WRFP 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 12th, 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 12th, 2024 and on September 19th, 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 24th, 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 22nd, 2024. On December 24th, 2024, the grant funds were deposited into the BMC’s bank account.

BMC Website: On January 10th, 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) upcoming 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 26th, 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 27th, 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 6th, 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 16th, 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 25th, 2024 and received one proposal. At its August 21st, 2024 Meeting the BMC approved Cleath-Harris Geologists (CHG) to provide design and construction oversight hydrogeologic support services. On October 4th, 2024 the Los Osos Community Services District (LOCSO) released the bid package for the drilling services and bids are due November 1st, 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 LOCSD Board of Directors and the BMC, LOCSD 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 28th, 2024, the LOCSD 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. The LA 14 and 16 Modifications are scheduled to be completed the week of January 27th, 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 WRFPP Grant above.

Lower Aquifer Nitrate Investigation: On October 19th, 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 15th, 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 8th, 2024 and April 29th, 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 the [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 10th, 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 will be returning to the Board this February 2025 to adopt the fee which will allow applicants to pay into the LOHCP to offset disturbance caused by development. Below is the anticipated timeline for the initial implementation of the LOHCP:

- February 2025 LOHCP fee adoption target date for Board of Supervisors
- March-April 2025 establish partner agency agreements
- April 2025 Fee appeal period ends
- May – June 2025 Initiation of implementation projects

Los Osos Water Recycling Facility Project Update

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

2024 LOWRF Wastewater and Recycled Water Flows (Acre Feet)

Year	Month	Influent	Broderson	Bayridge	Sea Pines	Ag Users	Effluent
2024	Jan	57.71	44.63	1.18	2.23	0.00	48.05
2024	Feb	56.06	45.34	1.06	0.92	0.00	47.37
2024	Mar	64.89	32.69	1.12	3.95	0.03	48.51
2024	Apr	66.64	38.32	1.08	6.89	0.04	46.33
2024	May	57.00	28.68	1.23	12.07	0.35	42.34
2024	Jun	54.73	36.11	1.22	6.24	0.43	44.00
2024	Jul	63.09	34.12	1.33	7.91	0.38	45.25
2024	Aug	66.66	43.48	1.34	9.48	0.54	44.50
2024	Sept	57.91	36.90	1.31	7.16	0.49	45.86
2024	Oct	55.11	34.00	1.02	5.07	0.32	43.93
2024	Nov	45.03	37.64	1.15	3.31	0.17	42.27
2024	Dec	56.11	43.76	1.04	1.82	0.02	49.78
Total							

LOWRF Project Updates:

- The County is working on projects for connecting the Los Osos Community Park, Los Osos Middle School, and Monarch Grove Elementary to the LOWRF recycled water distribution system. The connections are anticipated to occur Summer 2025. The County received funding for these connections through the ARPA grant program.
- The County has awarded the project and the contractor is procuring materials for the effluent pump station VFD installation 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 last year 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.

Sustainable Groundwater Management Act (SGMA)

SGMA Overview: SGMA took effect on January 1, 2015.¹ 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 Prioritization by the California Department of Water Resources (DWR) that listed the Los Osos Basin as high priority and in critical conditions of overdraft.²

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 SGMA³ and in critical conditions of overdraft⁴
- 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 SGMA³

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

¹ 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

² 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.

³ 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.

⁴ 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
Program A – Shift groundwater production from Lower Aquifer to Upper Aquifer	Water Systems Interconnection	LOCS D/ GSWC	NA	NA	NA	NA	Completed
	Upper Aquifer Well (8 th Street)	LOCS D	NA	Fully Funded	NA	\$307,000	Completed
	South Bay Well Nitrate Removal	LOCS D	NA	NA	NA	NA	Completed
	Palisades Well Modifications	LOCS D	NA	NA	NA	NA	Completed
	Blending Project (Skyline Well)	GSWC	NA	NA	NA	NA	Completed
	Water Meters	S&T	NA	NA	NA	NA	Completed
Program B - Shift groundwater production from Lower Aquifer to Upper Aquifer	LOCS D Wells (Upper Aquifer)	LOCS D		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	LOCS D/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.
Program C - 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	Completed
	Expansion Well No. 2 (Lower Aquifer)	LOCS D		LOCS D	TBD	BMP: \$2.5 mil	<u>The well construction is complete and the water transmission main construction activities are currently underway. Completion of all phases of the project is estimated to occur in Quarter 1 2025.</u>
	Expansion Well 3 (Lower Aquifer) and LOVR Water Main Upgrade	GSWC/LOCS D		Cooperative Funding	TBD	BMP: \$1.6 mil	
	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.
Program D - 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.
Program M – Groundwater Monitoring Plan	New Zone D/E lower aquifer monitoring well in Cuesta by the Sea	All Parties	NA	NA	NA	NA	Completed

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.
	8 th and El Moro Urban Storm Water Recovery Project	All Parties				TBD	These activities are currently on hold.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: January 15, 2025

SUBJECT: Item 9a – Appointment of BMC Officers for Calendar Year 2025

Recommendations

For the BMC to review the existing officer positions and appoint officers for CY 2025 or provide alternative direction to staff.

Discussion

The adopted Rules and Regulations (January 2016) for the BMC require appointment of the Committee's officers as noted in the excerpt below from Section 4.2:

Appointment of Officers. The officers shall be appointed annually by, and serve at the pleasure of, the Basin Management Committee. Officers shall be elected at the first Basin Management Committee meeting, and thereafter at the first Basin Management Committee meeting following December 1 of each year. An Officer may serve for multiple consecutive terms. Any Officer may resign at any time upon written notice to the Basin Management Committee. The Secretary or Treasurer may be removed and replaced by an affirmative decision of the Basin Management Committee.

The current BMC officers are as follows:

Director Zimmer: Chairperson
Director Cesena: Vice Chairperson
Director Reineke: Secretary
Director Gibson: Treasurer

TO: Los Osos Basin Management Committee

FROM: Dan Heimerl, Executive Director

DATE: January 15, 2025

SUBJECT: Item 9b – Consider Approval of BMC Consulting Services Proposals for CY 2025

Recommendations

Receive proposals for BMC consulting services for CY 2025 and consider approval or provide alternate direction to staff.

Background

The proposed Calendar Year (CY) 2025 Budget was approved by the BMC at the December 3rd, 2024 Special BMC Meeting with the following two modifications:

1. **Line Item 1 – BMC Administration and Facilitation:** The Board approved the presented budget for Executive Director support services with the modification that cost be tracked at a task level, as outlined in the proposal, for the Executive Director invoices.
2. **Line Item 2 - BMC Legal Counsel:** The Board reduced the approved budget for BMC Legal Counsel from \$20,000 to \$5,000 and provided direction to Staff to make documents available to the public and BMC Parties which indicate how a potential conflict would be handled [should RWG provide legal counsel services to both the BMC and LOCSO] and to bring back this budget line item to the BMC to determine the appropriate amount of budget for BMC Legal Counsel in 2025.

The Approved CY 2025 BMC Budget (Attachment 1), shows the modifications to Budget Line Item 2 (BMC Legal Counsel) in red.

Discussion

The CY 2025 BMC Budget line items for consulting services listed in the table below were approved at the December 3rd, 2024 Special BMC Meeting.

Item	CY 2025 BMC Budget Item	Anticipated Costs	Description
1	BMC Administration and Facilitation	\$93,000	Executive Director Administration and Facilitation.
3	BMC Accounting Services	\$6,300	Accounting and Bookkeeping Services.
6	2025 Groundwater Monitoring	\$67,000	Semi-Annual Seawater Intrusion Monitoring Program.
7	2024 Annual Report	\$71,500	Annual Monitoring Report Preparation.

To support the BMC in completing the items above, ConfluenceES, CHG, and Robert Stilts CPA prepared proposals for the BMC's approval consideration (Attachments 2 -5).

Attachments

1. Approved CY 2025 BMC Budget
2. Confluence Engineering Solutions CY 2025 Executive Director Proposal
3. Robert Stilts CPA CY 2025 BMC Accounting Services Proposal
4. Cleath-Harris Geologist CY 2025 Groundwater Monitoring Proposal
5. Cleath-Harris Geologist CY 2024 Annual Monitoring Report Proposal

Approved CY 2025 BMC Budget

Item #	Task	Proposed 2025 Budget	Description
1	BMC Administration and Facilitation	\$93,000	Executive Director administration and facilitation.
2	BMC Website Hosting	\$2,280	Website hosting and maintenance.
3	BMC Accounting Services	\$6,300	Accounting and bookkeeping services.
4	BMC Legal Counsel	\$5,000	Legal Counsel support services. This line item was modified to be \$5,000 instead of \$20,000.
5	Technical Support Services	\$15,000	Technical Support Services budget.
6	2025 Groundwater Monitoring	\$67,000	Semi-Annual Seawater Intrusion Monitoring Program.
7	2024 Annual Report	\$71,500	Annual Monitoring Report preparation.
8	WRFP Study Peer Review - Year 2	\$15,000	Hydrogeologic Peer Review support services for the Water Recycling Funding Program (WRFP) Planning Grant Study to develop a transient groundwater model and utilize the model to evaluate recycled water and other sustainable yield improvement projects (WRFP Study). Total Project cost is anticipated to be \$400,000. To fund the project, the BMC/Los Osos CSD obtained a \$200,000 WRFP grant, the County of San Luis Obispo contributed \$150,000 and the BMC is contributing \$50,000 in match funds through the Los Osos Basin Well Database, Los Osos Creek Stream Gage Rating Curve and WRFP Study/Transient Model Peer Review.
9	Groundwater Monitoring Program Improvement	\$50,000	The BMC will provide the required 25% (\$50,000) match towards the total estimated project cost of \$200k for the Sweet Springs Monitoring Well Project. The BMC was awarded \$150,000 in grant funding from the Rose Foundation's Central Coastal Community-Based Water Quality Grants Program to fund the remainder of the project cost. It is envisioned that the Los Osos Community Services District will be the lead on contracting agency for the hydrogeologic, engineering and drilling contract services for the Sweet Springs Monitoring Well, similar to the Skyline Monitoring Well.
10	Los Osos Basin Geophysics Interpretation	\$0	Hydrogeologic support services to analyze and interpret geophysics survey data from the Department of Water Resources AEM survey and a potential Cal Poly ERT survey.
	Subtotal	\$325,080	
	5% Contingency	\$16,254	
	Total	\$341,334	
	LOCSD (38%)	\$129,707	
	GSWC (38%)	\$129,707	
	County of San Luis Obispo (20%)	\$68,267	
	S&T Mutual (4%)	\$13,653	



Confluence Engineering Solutions, Inc.

PO Box 7098

Los Osos, CA 93412

11/12/2024

To: Basin Management Committee

Subject: Proposal for Calendar Year 2025 Executive Director Professional Services

Confluence Engineering Solutions, Inc. (ConfluenceES) is pleased to provide the following proposal for providing Executive Director professional services for the Los Osos Basin Management Committee (BMC) for Calendar Year 2025. Items that are new for Calendar Year 2024 and 2025 are underlined in the scope.

Scope of Work

Task 1 BMC Administration

1.1 BMC Website and Video Hosting

- Update and maintain the BMC Website.
- Post agendas/agenda packets.
- Notice the email list prior to the meeting.
- Update the website after meetings to include the video recording, public correspondence, approved meeting minutes, etc.
- Update the website to include other important documents and notices.

1.2 Financial Oversight

- Oversee financial operation of the BMC, including recommending an annual budget, processing invoices, tracking financial transactions, and monitoring fund balances.
- Coordinate with the BMC Accountant to manage the BMC Bank Account and review and approval of BMC invoices.
- Review and present monthly accounting summary reports to the BMC.

1.3 BMC Party Staff Meetings

- Prepare for, participate in, and follow-up from bi-monthly BMC Party Staff Meetings with representatives of each of the parties to facilitate BMC activities.

1.4 BMC Representation

- Represent the BMC as directed to other entities, including DWR, RWQCB, and other agencies, as needed.
- Prepare for, participate in, and follow-up from County Planning Coordination Meetings.

Task 2 BMC Board Meetings

2.1 Meeting Coordination

- In consultation with the BMC Chair, coordinate up to 10 public BMC meetings.

2.2 Agenda Preparation

- In consultation with the BMC Chair, prepare the agendas/agenda packets for up to 10 public BMC meetings.

2.3 Meeting Attendance

- Function as staff (including clerk) during BMC public meetings, including providing appropriate technical input on questions from both Directors and the public.
- Facilitate hybrid (i.e. in-person and virtual) participation and public comment for BMC meetings.
- Oversee the BMC's compliance with the Brown Act, with input from legal counsel provided by BMC Legal Counsel.

2.4 Meeting Minutes

- Prepare action minutes for BMC meetings.

Task 3 Program Management

3.1 Annual Report Management

- Provide program management for the BMC on the Annual Report, including management of scope, schedule and budget, collection and incorporation of BMC and other comments, and publishing of approved work products.
- Participate in coordination meetings with the Annual Report consultant to provide work direction, receive project updates, and review consultant interim work products and deliverables.
- Submit required information to DWR's Adjudicated Basins Annual Reporting System by the April 1st deadline.

3.2 BMC Project Management

- Provide program management for the BMC on other projects, including:
 - Management of scope, schedule and budget.
 - Collection and incorporation of comments from the BMC Party Staff, Board of Directors, and other stakeholders.
 - Publish approved work products.
- Participate in coordination meetings with BMC consultants to provide work direction, receive project updates, and review consultant interim work products and deliverables.
- Provide additional, as-needed support services for the BMC (e.g. grant writing, permit applications, regulatory compliance, technical analysis, facilitating consultant procurement,

etc.) to support implementation of groundwater monitoring improvement and other initiatives.

Fee Estimate

ConfluenceES proposes to provide the Executive Director services described above for Calendar Year 2025 on a time and materials basis with a not-to-exceed fee of \$93,000 at the rates outline in the table below.

Classification	Billing Rate (\$/hour)
Principal Engineer	\$225
Senior Engineer/Hydrogeologist	\$225
Project Engineer	\$175
Associate Engineer	\$150
Assistant Engineer	\$140
Engineering Assistant	\$130

Sincerely,



Daniel Heimel, PE, MS
President/Principal Engineer
ConfluenceES

Robert Stilts, CPA
1398 Los Osos Valley Road, Suite E
Los Osos, CA 93402
(805) 528-4181

Re: BMC Accounting Services Proposal FY 2025

Dear Los Osos Basin Management Committee,

I am very pleased with the opportunity to present my proposal to provide bookkeeping services to the Los Osos Basin Management Committee (Los Osos BMC). I am prepared to provide a range of services as outlined below:

A. Regular Monthly Basis

- Processes Accounts Payable and Cash Disbursements. Responsible for processing approved vendor invoices for payment, prints checks for signatures, and prepares Accounts Payable reports and basic transactions.
- Prepares periodic statistical and financial reports.
- Verifies the accuracy of journal and ledger postings and makes adjusting entries when necessary.
- Reconciles bank statements.
- Records revenues.
- Prepares the following items to be included in the committee's agenda packet: the warrant report, balance sheets, Revenue and Expenditure reports, and written financial reports.

B. Annual Basis:

- Prepares 1099's
- Work with auditors to prepare annual financial statements, if needed.

C. General Support:

- Provides assistance to the committee as needed.
- Provides assistance, guidance, and suggestions to improve internal control procedures.

The estimated cost to provide the scope of Accounting Services described above for one year is \$6,300. These services will be provided on a time and materials basis at an hourly rate of \$175 per hour and charges will not exceed the estimated cost without written authorization from the BMC or its authorized agents. This proposal is specifically tailored to the BMC's accounting requirements. This offer is a firm and irrevocable offer for 120 days.

Please feel free to contact me with any questions that you may have regarding the proposal. I look forward to continuing my professional relationship with your organization.

Sincerely,

Robert Stilts

Robert Stilts, CPA



October 24, 2024

Los Osos Basin Management Committee
c/o Mr. Daniel Heimel, P.E.
Confluence Engineering Solutions, Inc.
P.O. Box 7098
Los Osos, CA 93412

SUBJECT: Proposal for Los Osos Basin Plan 2025 Groundwater Monitoring.

Dear Mr. Heimel:

Cleath-Harris Geologists (CHG) proposes to perform hydrogeologic services related to groundwater monitoring for the Los Osos Basin Plan (LOBP). This proposal describes existing monitoring data collection and presents a scope of work, schedule, and estimated costs for monitoring.

BACKGROUND

The groundwater monitoring program in Chapter 7 of the LOBP included 73 monitoring well locations within the basin. Twenty-three locations have been added to the network since 2015 (summary tables attached).

There are two existing, ongoing monitoring programs that historically overlapped with the LOBP monitoring program: the San Luis Obispo County Water Level Monitoring Program and the Los Osos Water Recycling Facility (LOWRF) Groundwater Monitoring Program. Beginning in winter 2016, the LOWRF monitoring schedule was shifted from spring and fall monitoring to summer and winter monitoring. As a result, data from the LOWRF monitoring program no longer coincides with the monitoring schedule adopted in the LOBP. A total of 22 network wells, including all five nitrate metric wells, were switched to the summer and winter monitoring schedule.

CHG plans to continue measuring water levels in April and October at those LOBP network wells that were shifted to summer and winter monitoring under the LOWRF monitoring program. Water quality testing, however, will not be duplicated in the schedule, and data from the LOWRF program in June and December 2025 will be used for reporting purposes.



SCOPE OF WORK

CHG will perform the following tasks for the LOBP Groundwater Monitoring Program:

- Conduct/coordinate semi-annual water level monitoring in April and October 2025 at up to 63 well locations.
- Download and process pressure transducer data from up to 16 well locations.
- Conduct/coordinate groundwater sampling in April 2025 from up to 18 wells for general minerals analyses.
- Conduct/coordinate groundwater sampling in October 2025 from up to 26 wells for general mineral analyses, including two Zone D sand spit wells.
- Conduct groundwater sampling in October 2025 for up to two wells for CEC analyses.

Deliverables:

Tables with results of Lower Aquifer seawater intrusion monitoring will be provided upon completion of the April and October 2025 monitoring events. Data interpretation and reporting is not included in this scope of work, but will be performed during 2025 Annual Report preparations.

SCHEDULE

The scope of work will be completed per the Basin Plan monitoring schedule (April and October monitoring).

FEES AND CONDITIONS

CHG proposes to perform the above scope of work on an hourly rate plus expenses basis in accordance with the hourly rates schedule and attached terms of fees and conditions. Laboratory analytical services, pump equipment, and CEC sample shipping are estimated at \$17,500. The cost for hydrogeologic services related to water level monitoring, groundwater sampling, transducer downloading, and coordinating with private well owners is estimated to be 49,500. The total estimated cost for the 2025 groundwater monitoring scope of work is estimated to be **\$67,000**.



SCHEDULE OF HOURLY RATES

Principal Hydrogeologist	\$200
Senior Hydrogeologist	\$185
Project Geologist	\$170
Environmental Scientist	\$170
Staff Geologist II	\$150
Staff Geologist I	\$135

EXPENSES

Mileage	\$0.67/mile
Other expenses at cost plus 10 percent handling	

AGREEMENT

If the above work scope and fees and conditions are acceptable, this proposal will serve as the basis for agreement.

Respectfully submitted,

CLEATH-HARRIS GEOLOGISTS, INC.

Spencer J. Harris, President

attachments



TERMS OF FEES AND CONDITIONS

1. Invoices will be submitted monthly. The invoice is due and payable upon receipt.
2. In order to defray carrying charges resulting from delayed payments, simple interest at the rate of ten percent (10%) per annum (but not to exceed the maximum rate allowed by law) will be added to the unpaid balance of each invoice. The interest period shall commence 30 days after date of original invoice and shall terminate upon date of payment. Payments will be first credited to interest and then to principle. No interest charge would be added during the initial 30 day period following date of invoice.
3. The fee for services will be based on current hourly rates for specific classifications and expenses. Hourly rates and expenses included in the attached schedule are reevaluated on January 1 and July 1 of each year.
4. Documents including tracings, maps, and other original documents as instruments of service are and shall remain properties of the consultant except where by law or precedent these documents become public property.
5. If any portion of the work is terminated by the client, then the provisions of this Schedule of Fees and Conditions in regard to compensation and payment shall apply insofar as possible to that portion of the work not terminated or abandoned. If said termination occurs prior to completion of any phase of the project, the fee for services performed during such phase shall be based on the consultant's reasonable estimate of the portion of such phase completed prior to said termination, plus a reasonable amount to reimburse consultant for termination costs.
6. If either party becomes involved in litigation arising out of this contract or the performance thereof, the court in such litigation shall award reasonable costs and expenses, including attorney's fees, to the party justly entitled thereto.
7. All of the terms, conditions and provisions hereof shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns, provided, however, that no assignment of the contract shall be made without written consent of the parties to the agreement.



ATTACHMENTS

**Los Osos Basin Plan
Monitoring Well Network 2025
FIRST WATER**

Program Well ID	Well Owner	Basin Plan Monitoring Code	County Water Level Program	LOWRF Groundwater Monitoring Program ¹	2025 Basin Plan Monitoring Program ²
FW1	PRIVATE	L			(no access)
FW2	LOCSD	L, G		L, G	L
FW3	LOCSD	L		L	L
FW4	LOCSD	L		L	L
FW5	LOCSD	L		L	L, G, CEC
FW6	LOCSD	TL, G, CEC		G	TL, G, CEC
FW7	LOCSD	L			L
FW8	LOCSD	L		L	L
FW9	LOCSD	L		L	L
FW10	LOCSD	TL, G		G	TL
FW11	LOCSD	L		L	L
FW12	LOCSD	L		L	L
FW13	LOCSD	L		L	L
FW14	PRIVATE	L		L	L
FW15	LOCSD	L, G		L, G	L
FW16	LOCSD	L		L	L
FW17	LOCSD	L, G		L, G	L
FW18	SLCUSD	L			L
FW19	LOCSD	L		L	L
FW20	LOCSD	L, G		L, G	L
FW21	LOCSD	L		L	L
FW22	PRIVATE	L, G		L, G	L
FW23	PRIVATE	L		L	L
FW24	PRIVATE	L	L		
FW25	PRIVATE	L	L		
FW26	PRIVATE	L			L
FW27	PRIVATE	TL			TL
FW28	PRIVATE	L, G	L		G
FW29	PRIVATE	(added in 2015)	L		
FW30	PRIVATE	(added in 2015)		L	
FW31	SLO CO.	(added in 2015)			L
FW32	PRIVATE	(added in 2017)			L
FW33	PRIVATE	(added in 2018)			L

L = WATER LEVEL

G = GENERAL MINERAL

CEC = CONSTITUENTS OF EMERGING CONCERN

TL = TRANSDUCER WATER LEVEL

LOCSD = Los Osos Community Services District

SLCUSD = San Luis Coastal Unified School District

SLO CO. = San Luis Obispo County

NOTES:

1 - Summer and winter monitoring schedule

2 - Spring and Fall water levels, water quality in Fall only

**Los Osos Basin Plan
Monitoring Well Network 2025
UPPER AQUIFER**

Program Well ID	Well Owner	Basin Plan Monitoring Code	County Water Level Program	LOWRF Groundwater Monitoring Program ¹	2025 Basin Plan Monitoring Program ²
UA1	SLO CO.	L	L		
UA2	SLO CO.	L	L		
UA3	GSWC	L, G			L, G
UA4	S&T	TL			TL
UA5	LOCSD	L		L	L
UA6	SLO CO.	L	L		
UA7	SLO CO.	L	L		
UA8	LOCSD	L			L
UA9	GSWC	L, G			L, G
UA10	LOCSD	TL			TL
UA11	PRIVATE	L		L	
UA12	LOCSD	L		L	L
UA13	LOCSD	L, G			L, G
UA14	PRIVATE	L			
UA15	PRIVATE	L			
UA16	PRIVATE	(added in 2015)	L		
UA17	PRIVATE	(added in 2015)	L		
UA18	PRIVATE	(added in 2015)	L		
UA19	LOCSD	(added in 2019)			L

L = WATER LEVEL

G = GENERAL MINERAL

TL = TRANSDUCER WATER LEVEL

LOCSD = Los Osos Community Services District

SLO CO. = San Luis Obispo County

GSWC = Golden State Water Company

S&T = S&T Mutual Water Company

NOTES:

1 - Summer and winter monitoring schedule

2 - Spring and Fall water levels, water quality in Fall only

**Los Osos Basin Plan
Monitoring Well Network 2025
LOWER AQUIFER**

Program Well ID	Well Owner	Basin Plan Monitoring Code	County Water Level Program	2025 Basin Plan Monitoring Program ¹
LA1	SLO CO.	L	L	
LA2	SLO CO.	L	L	G
LA3	SLO CO.	L	L	G
LA4	PRIVATE	L, GL		L
LA5	S&T	L	L	
LA6	GSWC	L, G	L	TL
LA7	PRIVATE	TL		
LA8	S&T	L, G		L, G
LA9	GSWC	L		L, G
LA10	GSWC	L, G		L, G
LA11	SLO CO.	L, G		TL, G
LA12	LOCS D	L, G		L, G
LA13	LOCS D	TL		TL, G
LA14	SLO CO.	L, GL	L	TL
LA15	LOCS D	L, G		L, G
LA16	PRIVATE	L	L	TL
LA17	SLO CO.	L	L	
LA18	LOCS D	L, G		L, G
LA19	SLO CO.	L	L	TL
LA20	GSWC	L, G		L, G
LA21	LOCS D	L	L	
LA22	LOCS D	L	L	G
LA23	PRIVATE	L, G		no access
LA24	PRIVATE	L	L	
LA25	PRIVATE	L		L
LA26	PRIVATE	L	L	
LA27	PRIVATE	TL		L
LA28	PRIVATE	L, G		L
LA29	PRIVATE	L	L	
LA30	PRIVATE	L, G		L, G
LA31	PRIVATE	(added in 2015)	L	G
LA32	LOCS D	(added in 2015)	L	G
LA33	PRIVATE	(added in 2015)	L	
LA34	SLO CO.	(added in 2015)	L	
LA35	SLO CO.	(added in 2015)		L
LA36	PRIVATE	(added in 2015)		no access
LA37	SLO CO.	(added in 2017)		TL
LA38	PRIVATE	(added in 2017)		L
LA39	GSWC	(added in 2019)		L, G
LA40	LOCS D	(added in 2019)		TL, G
LA41	LOCS D	(added in 2019)		TL, G
LA42	LOCS D	(added in 2023)		TL, G
LA43	LOCS D	(added in 2023)		TL, G
LA44	LOCS D	(added in 2024)		L

L = WATER LEVEL

G = GENERAL MINERAL

GL = GEOPHYSICAL LOG (triennial)

TL = TRANSDUCER WATER LEVEL

LOCS D = Los Osos Community Services District

SLO CO. = San Luis Obispo County

GSWC = Golden State Water Company

S&T = S&T Mutual Water Company

1 - Water level and water quality both Spring and Fall except LA2 and LA3 - Fall only



October 24, 2024

Los Osos Basin Management Committee
c/o Mr. Daniel Heimel, P.E.
Confluence Engineering Solutions, Inc.
P.O. Box 7098
Los Osos, CA 93412

SUBJECT: Proposal for preparing the 2024 Annual Monitoring Report for the Los Osos Groundwater Basin.

Dear Mr. Heimel:

Cleath-Harris Geologists (CHG) proposes to perform hydrogeologic services for completing the 2024 Annual Monitoring Report for the Los Osos Basin Plan (LOBP) Groundwater Monitoring Program. This proposal includes a scope of work, schedule, and estimated cost.

SCOPE OF WORK

2024 Annual Report

Annual Report tasks include:

- Update databases with 2024 groundwater level and quality data for LOBP monitoring network wells.
- Prepare the draft 2024 Annual Monitoring Report for Basin Management Committee (BMC) review. The report will include data reporting and interpretation for the period from January 1, 2024 through December 31, 2024. The report shall follow the 2023 Annual Monitoring Report format as a template, with updates for changed conditions.
- Preview Sustainable Yield₂₀₂₅ as adopted by the BMC.
- Update 2024 private domestic water use estimates based on Appendix C of the 2023 Los Osos Offset Study.
- Receive BMC comments and incorporate into a final 2024 Annual Monitoring Report.
- Assist BMC with preparing CASGEM datasets.

Management Task 1: Sustainable Yield₂₀₂₆

The Interlocutory Stipulated Judgement (ISJ), adopted in 2015, includes requirements to the effect that the Basin Management Committee (BMC) shall annually establish the sustainable yield of the Basin, based on the conservation implemented and Basin Plan infrastructure then developed in the Basin and simulated in the model. The following tasks are proposed to comply with these requirements:



- In coordination with BMC Staff, evaluate Sustainable Yield₂₀₂₆ based on changes in LOBP infrastructure, groundwater inflow or outflow parameters, the understanding of hydrogeologic or geologic features in the basin, or other factors.
- Upon direction from BMC Staff, modify selected parameters from the previous Sustainable Yield₂₀₂₅ and, using the Basin model, estimate Sustainable Yield₂₀₂₆.
- Prepare a brief technical memorandum or similar materials presenting the Sustainable Yield₂₀₂₆ estimate for consideration and adoption by the BMC. If adopted, the Sustainable Yield₂₀₂₆ value would be previewed in the 2025 Annual Report.

SCHEDULE

The draft Annual Report will require approximately four months to complete. The final report would be available approximately 2-3 weeks following receipt of BMC comments.

The Sustainable Yield₂₀₂₆ task (Management Task 1) will be initiated after completion of the 2024 Annual Report. The schedule will be coordinated with BMC Staff to allow for evaluation and adoption of Sustainable Yield₂₀₂₆ before January 2025.

FEES AND CONDITIONS

CHG proposes to perform the above scope of work on an hourly rate plus expenses basis in accordance with the hourly rates schedule and attached terms of fees and conditions. The estimated cost for hydrogeologic services to complete 2024 annual report tasks is estimated at \$68,000. Management Task 1 is estimated to cost \$3,500. The total estimated cost for 2024 Annual Report preparations and the additional management task is **\$71,500**.

SCHEDULE OF HOURLY RATES

Principal Hydrogeologist	\$200
Senior Hydrogeologist	\$185
Project Geologist	\$170
Environmental Scientist	\$170
Staff Geologist II	\$150
Staff Geologist I	\$135

EXPENSES

Mileage	\$0.67/mile
Other expenses at cost plus 10 percent handling	



AGREEMENT

If the above work scope and fees and conditions are acceptable, this proposal will serve as the basis for agreement.

Respectfully submitted,

CLEATH-HARRIS GEOLOGISTS, INC.

Spencer J. Harris, President

attachment



TERMS OF FEES AND CONDITIONS

1. Invoices will be submitted monthly. The invoice is due and payable upon receipt.
2. In order to defray carrying charges resulting from delayed payments, simple interest at the rate of ten percent (10%) per annum (but not to exceed the maximum rate allowed by law) will be added to the unpaid balance of each invoice. The interest period shall commence 30 days after date of original invoice and shall terminate upon date of payment. Payments will be first credited to interest and then to principle. No interest charge would be added during the initial 30 day period following date of invoice.
3. The fee for services will be based on current hourly rates for specific classifications and expenses. Hourly rates and expenses included in the attached schedule are reevaluated on January 1 and July 1 of each year.
4. Documents including tracings, maps, and other original documents as instruments of service are and shall remain properties of the consultant except where by law or precedent these documents become public property.
5. If any portion of the work is terminated by the client, then the provisions of this Schedule of Fees and Conditions in regard to compensation and payment shall apply insofar as possible to that portion of the work not terminated or abandoned. If said termination occurs prior to completion of any phase of the project, the fee for services performed during such phase shall be based on the consultant's reasonable estimate of the portion of such phase completed prior to said termination, plus a reasonable amount to reimburse consultant for termination costs.
6. If either party becomes involved in litigation arising out of this contract or the performance thereof, the court in such litigation shall award reasonable costs and expenses, including attorney's fees, to the party justly entitled thereto.
7. All of the terms, conditions and provisions hereof shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns, provided, however, that no assignment of the contract shall be made without written consent of the parties to the agreement.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: January 15, 2025

SUBJECT: Item 9c – Consider Approval of a BMC Budget Reserve Target Policy

Recommendations

Consider approval of a BMC Budget Reserve Target Policy or provide alternate direction to staff.

Discussion

In 2024, the BMC established a Bank Account to allow the BMC to carryover unspent funding from one year to the next. Based on input from BMC Party Staff, it is recommended that the BMC develop a Budget Reserve Target of ~10% of its Annual Operating Budget (~\$35,000) to provide additional contingency funding for the BMC to utilize if unanticipated opportunities or costs occur throughout the Calendar Year. Any authorization for the use of these reserve funds would require approval by the BMC.

To facilitate development of the BMC Budget Reserve, it is recommended that the BMC wait until the CY 2024 Budget has been closed-out and then assess the magnitude of funds that could be carried over to CY 2025. After the close-out of the CY 2024 Budget has been completed, BMC Staff will make a recommendation to the BMC to either preserve surplus funding from the previous year in the BMC Bank Account as a Budget Reserve or to disburse surplus funding back to the BMC Parties if the surplus funding exceeds the Budget Reserve Target.

TO: Los Osos Basin Management Committee

FROM: Dan Heibel, Executive Director

DATE: January 15, 2025

SUBJECT: Item 9d – Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results and Updated Chloride Metric

Recommendations

Receive an update on the Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results and Updated Chloride Metric.

Discussion

Please find the attached Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results and Updated Chloride Metric for the Los Osos Basin. 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 2024 Annual Report.

The BMC Fall 2024 water quality monitoring results produce a Chloride Metric of 249 mg/L, which is the highest calculated value to date. The chloride metric is an average of dissolved chloride concentrations in four Lower Aquifer wells, with one of the wells (LA10) double weighted. Fluctuations in chloride concentrations at LA10 are affected by pumping and borehole leakage. The Fall 2024 chloride concentration at LA10 was reported at 360 mg/L, compared to a range of 211 mg/L to 289 mg/L over the last four years of monitoring. Pumping at LA10 had increased prior to the Fall 2024 sampling event, due to maintenance at the other production wells, which can draw the seawater intrusion front into the well, and is considered the reason for the elevated chloride concentration and associated elevated Chloride Metric. Chloride concentrations in groundwater at the other three wells used for the Chloride metric (LA8, LA11, and LA12) have been relatively stable in 2024. The Chloride Metric is due for an update. New Lower Aquifer monitoring wells were completed at Lupine Avenue in 2019 (LA40 and LA41) and Skyline Avenue in 2024 (LA42 and LA 43). An existing well (LA13) was also modified to allow Lower Aquifer sampling in 2023. Unlike LA10, data from these dedicated monitoring wells are not affected by pumping or borehole leakage.

Attachments

1. Draft Fall 2024 Los Osos Basin Lower Aquifer Water Quality Monitoring Results
2. Draft Fall 2024 Los Osos Basin Updated Chloride Metric

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				
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				

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				
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				

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-13M2 4/1/2021 sample 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				

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-13N	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				

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							

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				

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				

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				

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	
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				

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				

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				
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				

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	D	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
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
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

*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

*where dilution not required

Fall 2024 Draft

Chloride and Water Level Metric Lower Aquifer

