

SEASIDE BASIN WATERMASTER
SCOPE OF WORK

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

DATE: January 1, 2024

SOW NO. 2024-01

(To be filled in by WATERMASTER)

TO: Jonathan Lear
DISTRICT

FROM: Robert Jaques
WATERMASTER

Services Needed and Purpose:

Perform certain Tasks contained within the Watermaster's Monitoring and Management Plan for 2024 (M&MP) (See detailed Scope of Work in Attachment 1).

Schedule:

The work of this SOW No. 2024-01 shall be completed in accordance with the column titled "Schedule" in Table 1 of Attachment 1, and at the frequencies shown in Table 2 of Attachment 1.

Method of Compensation:

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

Total Price Authorized by this SOW:

\$ 77,525.00 (See Attachment 1 for a Breakdown of this Total Price. Cost is authorized only when evidenced by signature below.)

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

Requested by:  Date: 1-6-24
WATERMASTER

Agreed to by:  Date: 1-8-24
DISTRICT

ATTACHMENT 1

Detailed Scope of Work for SOW No. 2024-01

Background:

This SOW No. 2024-01 authorizes DISTRICT to perform certain work on certain of the Tasks described in the WATERMASTER's 2024 M&MP. The Task numbers listed in the first column of Table 1 below correspond to the Task numbers in the 2024 M&MP. The Task numbers listed in the second column of Table 1 correspond to DISTRICT's task numbering system.

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

Table 1. Scope of Work and Costs							
WATERMASTER M&MP Task No.	DISTRICT Task No.	Description	Time (Hours)	Rate	Cost	Comments	Schedule
I.2.b.2	1	<u>Collect Monthly Water Levels</u>					
		Collect Monthly Water levels at 20 wells	96	\$116	\$11,136		Ongoing
I.2.b.2	2	<u>Collect Quarterly Water Levels</u>					
		Collect Quarterly Water Levels at 8 wells	32	\$116	\$3,712		Ongoing
I.2.b.3	3	<u>Collect Quarterly Water Quality Samples</u>					
		Collect 7 Water Quality Samples Quarterly (28 total Samples)	64	\$116	\$7,424		Ongoing
		Order bottles and COC to Laboratory	4	\$116	\$464		
I.2.b.3	4	<u>Collect Annual Water Quality Samples</u>					
		Collect 12 Water Quality Samples Annually	16	\$116	\$1,856		Ongoing
		Order bottles and COC to Laboratory	1.5	\$116	\$174		
		RMA/Procure Replacement pump and Deploy (replaces one pump)	8	\$116	\$928	Only if necessary	
I.2.a.1	5	<u>Enter Water Level Data QA/QC</u>					
		Enter Qa/QC 272 Water Level Measurements Collected by MPWMD	20	\$175	\$3,500		Ongoing
		Enter Qa/QC 264 Water Level Measurements Reported to Watermaster	20	\$175	\$3,500		Ongoing
I.2.a.1	6	<u>Enter Water Quality Data QA/QC</u>					
		Enter Qa/QC 40 Water Quality Samples Collected by MPWMD	40	\$175	\$7,000		Ongoing
		Enter Qa/QC 12 Water Quality Samples Reported to Watermaster	16	\$175	\$2,800		Ongoing
I.2.b.7	7	<u>Upload Water Level Data to CASGEM</u>					
		Upload 536 Water Level Measurements to DWR Database	24	\$175	\$4,200		Ongoing
I.2.b.6	8	<u>Provide Data Tabulation for SIAR Appendix</u>					
		Tabulate and Transfer Water Level and Quality Data to Watermaster Consultant	16	\$230	\$3,680		November-24
N/A	9	<u>Respond to Data Requests</u>					
		Produce Data Requests as Necessary	10	\$230	\$2,300	Only if necessary	
I.2.b.2	10	<u>Annual Data Logger Downloads and Data Transfer</u>					
		Download Loggers Field Work	24	\$116	\$2,784		
		Transfer data	4	\$230	\$920		October-24
		Exchange logger if not working RMS process (replaces one logger)	4	\$116	\$464	Only if necessary	
		Answer questions re transferred logs	2	\$230	\$460	Only if necessary	
I.2.b.3	11	<u>Water Quality Sample for Camp Huffman</u>					
		Air lift samples from Camp Huffman Deep and Shallow	6	\$116	\$696		
		Air lift samples from Camp Huffman Deep and Shallow	6	\$230	\$1,380		
I.2.b.3	12	<u>Sentinel Well MPWMD Labor</u>	12	\$116	\$1,392		October-24
N/A	N/A	<u>Administrative Staff</u>					
		Create Billings and Cut Checks to Water Quality Laboratory	8	\$92	\$736		Ongoing

Table 1 Labor and Other Direct Costs Summary

WATERMASTER M&MP Task No.	DISTRICT Task No.	Item	Quantity	Rate	Subtotal	
		Labor (Hours)	435.5	Varies	\$61,738	
I.2.b.2	1, 2, 3, 4, and 10	Estimated Fleet Support (Mileage)	850	\$ 0.59	\$527	
I.2.b.3	12	Pacific Surveys - Sentinel Well Induction Logging	1	\$ 7,333	\$7,333	
I.2.b.3	3 and 4	Watermaster Standard Panel Laboratory Analysis (Number of Analyses)	40	\$ 135	\$5,670	
I.2.b.3		Air Compressor Rental (Camp Huffman)	1	\$ 150	\$158	
I.2.b.3	3 and 4	Fuel (CO2 Bottle) to run sample pump	10	\$ 25	\$263	
I.2.b.3	3 and 4	Replacement Low Flow Pump	1	\$ 900	\$945	Only if necessary
I.2.b.2	1, 2, and 10	Replacement Data Logger	1	\$ 850	\$893	Only if necessary
		TOTAL			\$77,525	

If necessary total = \$6,222

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

Table 2.

Monthly Water Levels

- 1 MSC - Shallow
- 2 MSC - Deep
- 3 FO 10 (S)
- 4 FO 10 (D)
- 5 CDM MW-1
- 6 CDM MW-2
- 7 CDM MW-3
- 8 CDM MW-4
- 9 Plumas 1990 Test
- 10 K-Mart
- 11 MW-BW-08A
- 12 MW-BW-09
- 13 Sand City Public Works
- 14 CAW Granite Construction
- 15 Cypress Pacific
- 16 Dand City - Design Center
- 17 DBO - Target
- 18 MMP - MM Production
- 19 PCA West (S)
- 20 PCA West (D)

Quarterly Water Quality Sampling

- 1 PCA W (S)
- 2 PCA W (D)
- 3 MSC (S)
- 4 MSC (D)
- 5 FO 09 (D)
- 6 FO 10 (S)
- 7 FO 09 (S)

Annual Water Quality Sampling

- 1 PCA E (S)
- 2 PCA E (D)
- 3 Ord Terrace (S)
- 4 FO 10 (D)
- 5 CAW Del Monte Observation
- 6 Sand City Public Works
- 7 Laguna Seca County Park #2
- 8 York School
- 9 Laguna Seca Golf New #12
- 10 Pasadera Main Gate
- 11 Cypress Pacific
- 12 MMP - MM Production
- 13 Camp Huffman (S and D)

Quarterly Water Levels

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

Water Level Data Reported to Watermaster

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