

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), dated 2/14/22.

DATE: January 1, 2022

SOW NO. 2022-01
(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 2022 (M&MP) (See detailed Scope of Work in Attachment 1).

Schedule:

The work of this SOW No. 2022-01 shall be completed in accordance with the column titled "Schedule" in Table 1 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:

\$ 68,876.00 (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: R. Jaques Date: 1/1/22
WATERMASTER

Agreed to by: D. J. Steel Date: 2-14-22
DISTRICT

ATTACHMENT 1

Detailed Scope of Work for SOW No. 2022-01

Background:

This SOW No. 2022-01 authorizes DISTRICT to perform certain work on certain of the Tasks described in the WATERMASTER's 2022 M&MP. The Task numbers listed in the first column of Table 1 below correspond to the Task numbers in the 2021 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.

The hourly rates for the personnel who will be performing the work of this SOW No. 2022-01 are listed below in Table 3.

Table 1. Scope of Work and Costs

WATERMASTER M&MP Task No.	DISTRICT Task No.	Description	Time	Rate	Cost	Comments	Schedule
1.2.b.2	1	<u>Collect Monthly Water Levels</u> Collect Monthly Water levels at 20 wells	96	136	\$13,056		Ongoing
1.2.b.2	2	<u>Collect Quarterly Water Levels</u> Collect Quarterly Water levels at 8 wells	32	136	\$4,352		Ongoing
1.2.b.3	3	<u>Collect Quarterly Water Quality Samples</u> Collect 7 Water Quality Samples Quarterly (28 total Samples) Order bottles and COC to Laboratory	48 4	136 136	\$6,528 \$544		Ongoing
1.2.b.3	4	<u>Collect Annual Water Quality Samples</u> Collect 12 Water Quality Samples Annually Order bottles and COC to Laboratory	16 1.5	136 136	\$2,176 \$204		Ongoing
1.2.a.1	5	RMA/Proquire Replacement pump and Deploy (replaces one pump) <u>Enter Water Level Data QA/QC</u> Enter Qa/QC 272 Water Level Measurements Collected by MPWMD	8 20	136 196	\$1,088 \$3,920	Only if necessary	
1.2.a.1	6	<u>Enter Water Quality Data QA/QC</u> Enter Qa/QC 40 Water Quality Samples Collected by MPWMD Enter Qa/QC 12 Water Quality Samples Reported to Watermaster	40 16	196 196	\$7,840 \$3,136		Ongoing Ongoing
1.2.b.7	7	<u>Upload Water Level Data to CASGEM</u> Upload 536 Water Level Measurements to DWR Database	24	196	\$4,704		Ongoing
1.2.b.6	8	<u>Provide Data Tabulation for SIAR Appendix</u> Tabulate and Transfer Water Level and Quality Data to Watermaster Consultant	16	196	\$3,136		March+22
N/A	9	<u>Respond to Data Requests</u> Produce Data Requests as Necessary	10	196	\$1,960	Only if necessary	
1.2.b.2	10	<u>Annual Data Logger Downloads and Data Transfer</u> Download Loggers Field Work Transfer data Exchange logger if not working RMS process (replaces one logger)	12 2 4	136 196 136	\$1,632 \$392 \$544		October-22
		Answer questions re transferred logs	2	196	\$392	Only if necessary	
		Program and Deploy New Data Logger	2	136	\$272	Only if necessary	
N/A	N/A	<u>Administrative Staff</u> Create Billings and Cut Checks to Water Quality Laboratory	8	63	\$504		Ongoing

Table 1. Summary

WATERMASTER M&MP Task No.	DISTRICT Task No.	Item	Quantity	Rate	Subtotal
		Labor (Hours)	381.5		\$60,300
1.2.b.2 and 1.2.b.3	1, 2, 3, 4, and 10	Estimated Fleet Support (Mileage)	850	0.56	\$476
1.2.b.3	3 and 4	Watermaster Standard Panel Laboratory Analysis (Number of Analyses)	40	155	\$6,200
1.2.b.3	3 and 4	Fuel (CO2 Bottle) to run sample pump (Bottles)	6	25	\$150
1.2.b.3	3 and 4	Replacement Low Flow Pump	1	900	\$900
1.2.b.2	1, 2, and 10	Replacement Data Logger	1	850	\$850
		TOTAL			\$68,876

Table 3. Hourly Rates

Monterey Peninsula Water Management District											
Schedule of Reimbursement Rates as of July 1, 2020											
Employee	Job Title	Hourly Wage	Labor Overhead Percentage	Labor Overhead Amount	Hourly Benefits Amount	P/R Tax & W/C Ins Hourly Cost	Total Employee Cost Per Hour	Indirect Overhead Percentage	Indirect Overhead Amount	Total Calculated Hourly Rate	Rounded Billable Rate
ITM	Information Technology Mgr.	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
Bennett	Accountant	37.74	0.1731	6.53	10.27	0.75	55.29	0.4773	26.39	81.68	81.00
Prasad	Admin. Services Manager/CFO	89.40	0.1731	15.47	37.57	1.78	144.23	0.4773	68.84	213.07	213.00
Reyes	Senior Office Specialist	34.13	0.1731	5.91	19.24	0.68	59.96	0.4773	28.62	88.58	88.00
GIS Contract	GIS Contract	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
HR Contract	HR Contract	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
Mossbacher	Accounting/Office Specialist	28.08	0.1731	4.86	9.47	0.56	42.97	0.4773	20.51	63.48	63.00
Stoldt	General Manager	118.28	0.1731	20.47	47.18	2.36	188.29	0.4773	89.87	278.16	278.00
Pablo	Executive Assistant	33.37	0.1731	5.78	10.04	0.69	49.88	0.4773	23.81	73.69	73.00
Atkins	Environmental Program Specialist	35.00	0.1731	6.06	10.04	2.39	53.49	0.4773	25.53	79.02	79.00
Christensen	Environmental Resources Manager	68.13	0.1731	11.79	31.17	4.66	115.76	0.4773	55.25	171.01	171.00
Hampson	Interim/Temp District Eng.	78.03	0.1731	13.51	0.00	10.18	101.71	0.4773	48.55	150.26	150.00
Lumas	Resources Maintenance Specialist	32.52	0.1731	5.63	9.84	0.65	48.64	0.4773	23.22	71.86	71.00
PM	Project Manager	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
Hamilton, M	Water Resources Engineer	63.27	0.1731	10.95	12.34	4.33	90.89	0.4773	43.38	134.27	134.00
Bravo	Conservation Analyst	50.66	0.1731	8.77	25.08	1.01	85.52	0.4773	40.82	126.34	126.00
Timmer	Conservation Rep I	40.57	0.1731	7.02	10.51	0.84	58.94	0.4773	28.13	87.07	87.00
Kister	Conservation Analyst	50.66	0.1731	8.77	25.05	1.05	85.53	0.4773	40.83	126.36	126.00
Smith	Conservation Rep II	42.67	0.1731	7.39	10.69	0.85	61.60	0.4773	29.40	91.00	90.00
Jakic	Conservation Technician I	37.69	0.1731	6.52	10.41	0.78	55.41	0.4773	26.45	81.85	81.00
Locke	Water Demand Manager	69.84	0.1731	12.09	31.79	1.45	115.16	0.4773	54.97	170.12	170.00
Chancy	Associate Fisheries Biologist	48.22	0.1731	8.35	24.25	3.30	84.12	0.4773	40.15	124.27	124.00
Fish Crew Leader	Fish Crew Leader	44.00	0.1731	7.62	0.00	5.74	57.35	0.4773	27.38	84.73	84.00
Gallagher	Assistant Fisheries Biologist	16.25	0.1731	2.81	7.36	2.12	28.54	0.4773	13.62	42.17	42.00
Hamilton, C	Associate Fisheries Biologist	48.22	0.1731	8.35	24.22	3.30	84.08	0.4773	40.14	124.22	124.00
James	Hydrography Programs Coord.	54.56	0.1731	9.44	26.50	3.73	94.23	0.4773	44.98	139.21	139.00
Lear	Water Resources Manager	79.01	0.1731	13.68	34.95	5.41	133.04	0.4773	63.51	196.55	196.00
Lindberg	Associate Hydrologist	53.23	0.1731	9.21	26.09	3.64	92.17	0.4773	43.99	136.16	136.00
HT	Hydrology Technician	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
SFB	Senior Fisheries Biologist	0.00	0.1731	0.00	0.00	0.00	0.00	0.4773	0.00	0.00	0.00
Wtr Resources Asst.	Water Resources Assistant	14.75	0.1731	2.55	0.00	1.92	19.23	0.4773	9.18	28.40	28.00