

# EXHIBIT 28-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

## GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 3, 2020

Seaside Basin Sample Collection Dates: September 16, 17 and 28, 2020

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO <sub>3</sub> )	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO <sub>3</sub> )	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Manganese	Orthophosphate	Total Dissolved Solids	Hardness (as CaCO <sub>3</sub> )	Boron	Bromide	Fluoride	
Drinking Water Standard (1)	900 1600 2200 (2)	NA	NA	250 500 600 (2)	250 500 600 (2)	NA	45	NA	NA	NA	NA	NA	0.3	0.05	0.06	NA	NA	NA	NA	2.00	
Sampling Location	River Mile																				
<i>Carmel Valley Aquifer</i>																					
16S/1W-14Jh (shal)	0.07 no longer in annual sampling network																				
16S/1W-14Jf (inter)	0.07 no longer in annual sampling network																				
16S/1W-14Jg (deep)	0.07 no longer in annual sampling network, destroyed by flooding																				
16S/1W-13Mc (shal)	0.31 no longer in annual sampling network																				
16S/1W-13Mb (inter)	0.31 no longer in annual sampling network																				
16S/1W-13Md (deep)	0.31 no access in November or December due to high water in Lagoon																				
16S/1W-13Lb (shal)	0.65 no longer in annual sampling network																				
16S/1W-13La (inter)	0.65 no longer in annual sampling network																				
16S/1W-13Lc (deep)	0.65	949	196	7.3	95.5	173	0.7	<0.1	2.3	89	101	17.1	3.2	1.470	0.717	0.2	656	292	0.20	0.30	1.9
16S/1E-17J4	3.85	486	96	6.6	33.7	110	<0.1	0.5	1.9	49	27	14.4	3.0	0.164	<0.01	<0.06	380	181	<0.05	0.10	0.2
16S/1E-17R2	3.86	1238	180	6.6	108	345	0.2	<0.1	4.6	169	83	27.9	4.1	6.790	0.288	<0.06	906	536	0.06	0.30	0.2
16S/1E-23E4	6.53	1100	270	6.9	97	170	<0.1	<0.1	2.0	109	84	20.1	2.3	0.709	0.694	0.07	682	354	0.08	0.30	0.6
16S/1E-23La	6.72	406	116	7.0	22.2	53	<0.1	<0.1	1.2	34	33	10.6	3.2	0.786	0.156	<0.06	299		<0.05	0.10	0.3
16S/1E-24N5	8.02	393	126	7.0	21.8	52	<0.1	0.5	1.1	37	25	9.2	2.2	0.012	<0.01	<0.06	308		<0.05	0.10	0.2
<i>Seaside Basin</i>																					
15S/1E-15N3 (shal)	319	66	6.4	44.6	14	<0.1	0.2	0.8	18	32	4.9	2.6	0.132	<0.01	<0.1	198	64	<0.05	<0.1	0.2	
15S/1E-15N2 (deep)	944	236	7.5	154	4	<0.1	<0.1	0.7	54	102	14.1	5.2	1.680	0.065	0.3	514	192	0.11	0.05	0.9	
15S/1E-23Ca (shal)	876	222	7.5	118	44	<0.1	3.4	2.6	80	87	15.4	4.9	1.650	0.649	0.1	542	262	217	0.08	0.1	
15S/1E-23Cb (deep)	not sampled in 2020 due to obstruction in well																				
15S/1E-15F1 (shal)	338	73	6.1	46.3	11	<0.1	0.6	0.6	20	37	5.4	2.9	5.080	0.016	<0.1	188	73	<0.05	0.2	0.1	
15S/1E-15F2 (deep)	not sampled Fall 2020 due to pump fouling																				
15S/1E-15K5 (shal)	413	77	7.7	52.5	11	<0.1	0.4	0.5	23	56	6.0	3.3	0.041	<0.01	0.1	244	81	<0.05	0.2	0.1	
15S/1E-15K4 (deep)	858	216	7.7	124	38	<0.1	<0.1	0.5	67	122	14.4	5.5	0.177	0.333	<0.1	510	247	0.13	0.4	0.3	
15S/1E-11Pa (shal)	557	95	6.4	90.4	31	<0.1	<0.1	0.6	36	48	9.7	4.3	0.054	<0.01	<0.1	322	129	<0.05	0.3	0.1	
15S/1E-11Pb (deep)	443	107	6.2	66.2	1	0.70	<0.1	1.6	25	48	3.4	3.8	4.520	0.048	<0.1	244		0.07	0.2	0.1	
15S/1E-12Fa (shal)	426	57	7.4	89.9	7	0.11	0.5	0.7	26	46	6.3	2.6	0.037	<0.01	1	303	92	1	<0.05	0.1	
15S/1E-12Fc (deep)	383	57	7.3	52.6	12	<0.1	1.1	1.3	19	40	2.5	2.3	0.106	<0.01	<0.1	228	57	<0.05	0.2	0.1	

NOTES:

- (1) Maximum contaminant levels are from California Domestic Water Quality and Monitoring Regulations, Title 22, 1977.
- (2) The three values listed for certain constituents refer to the "recommended" level, the "upper" level, and "short-term use" level, respectively.
- (3) The "Practical Quantifiable Limit" for Ammonia-N changed in 2017.
- (4) The "Practical Quantifiable Limit" for Nitrate as N was inconsistently reported in 2017, but corrected for this report.
- (5) The "Practical Quantifiable Limit" for Orthophosphate and Bromide changed in 2012.
- (6) Well 15S/1E-15K4 is being used as a "far-field monitor" for ASR well #4, and as such was sampled for additional constituents in 2018 that are not shown on this table.