

EXHIBIT 28-B

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: October 15, 2018

Seaside Basin Sample Collection Dates: July 3, August 13, September 5, 2018

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO3)	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO3)	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Manganese	Orthophosphate	Total Dissolved Solids	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	NA	NA	NA	NA		
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	967	189	7.2	95	170	0.6	<0.1	2.6	83	101	21	3.7	2.000	0.740	0.3	600	0.21	0.2	1.8
16S/1E-17J4	3.85	466	87	6.4	33	98	<0.1	0.6	1.9	41	28	16	3.3	0.244	0.018	<0.1	300	<0.05	0.1	0.2
16S/1E-17R2	3.86	1223	169	6.5	122	334	0.2	<0.1	4.8	142	69	31	4.0	7.970	0.300	<0.1	880	<0.05	0.2	0.2
16S/1E-23E4	6.53	1082	269	7.0	101	170	<0.1	<0.1	2.4	109	84	27	1.7	1.010	0.781	<0.1	730	0.10	0.2	0.5
16S/1E-23La	6.72	432	113	7.0	28	64	<0.1	0.1	1.5	35	33	12	2.8	0.998	0.197	<0.1	264	<0.05	0.1	0.5
16S/1E-24N5	8.02	442	128	6.9	26	62	<0.1	<0.1	1.4	46	30	13	2.6	<0.01	<0.01	<0.1	268	<0.05	0.1	0.3
<i>Seaside Basin</i>																				
15S/1E-15N3 (shal)	214	66	7.1	46	15	<0.1	<0.1	0.3	18	34	5	2.9	0.036	<0.01	<0.1	214	<0.05	0.2	0.1	
15S/1E-15N2 (deep)	889	230	7.4	153	15	<0.1	<0.1	0.9	57	106	15	4.8	5.320	0.106	<0.1	529	0.11	0.4	0.3	
15S/1E-23Ca (shal)	760	206	7.4	105	38	0.1	1.1	0.9	72	83	16	4.6	0.064	0.012	<0.1	474	0.08	0.3	<0.1	
15S/1E-23Cb (deep)	not sampled in 2018 due to obstruction in well																			
15S/1E-15F1 (shal)	315	69	6.8	48	11	<0.1	0.7	0.5	20	35	5	2.6	0.776	<0.01	<0.1	206	<0.05	0.1	<0.1	
15S/1E-15F2 (deep)	1109	316	6.2	159	42	0.1	<0.1	2.1	81	111	17	5.1	25.900	0.286	<0.1	660	0.11	0.4	<0.1	
15S/1E-15K5 (shal)	288	66	7.7	50	9	0.1	0.4	0.5	18	42	5	2.5	<0.01	<0.01	<0.1	211	<0.05	0.1	<0.1	
15S/1E-15K4 (deep)	797	--	7.4	116	71	<0.1	0.7	--	57	101	19	4.2	0.04	0.157	<0.1	509	0.11	--	0.3	
15S/1E-11Pa (shal)	348	67	6.5	58	16	<0.1	0.2	0.7	24	33	5	3.6	0.336	<0.01	<0.1	240	<0.05	0.1	<0.1	
15S/1E-11Pb (deep)	433	100	6.1	71	4	0.7	<0.1	10.4	26	57	4	3.7	0.517	<0.01	<0.1	223	0.07	0.2	0.1	
15S/1E-12Fa (shal)	260	54	8.2	44	13	0.1	0.4	1.2	18	41	2	2.6	0.921	0.021	<0.1	217	<0.05	0.1	0.1	
15S/1E-12Fc (deep)	325	68	7.9	54	17	0.2	0.1	1.8	22	41	4	3.6	0.027	0.050	0.4	254	0.05	0.1	0.2	

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 Amonia-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 2016 that are not shown on this table.