

EXHIBIT 20-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: September 19, 2017
Seaside Basin Sample Collection Dates: July 24, August 14, September 11 and 20, and October 6, 2017

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	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	962	195	7.2	91	165	0.6	<0.1	2.5	72	79	20	4	1.990	0.621	0.24	608	0.15	0.2	1.3
16S/1E-17J4	3.85	423	75	6.3	26	91	<0.1	0.3	1.9	36	22	13	3	0.286	<0.01	<0.1	294	<0.05	<0.1	0.2
16S/1E-17R2	3.86	1222	185	6.5	113	292	0.2	0.1	4.4	127	78	28	4	6.220	0.249	<0.1	866	0.06	0.1	0.2
16S/1E-23E4	6.53	1058	298	7.0	84	153	0.4	0.2	3.0	101	86	25	2	1.130	0.777	<0.1	683	0.11	0.1	0.5
16S/1E-23La	6.72	446	120	6.9	27	64	<0.1	0.1	1.4	36	30	12	3	1.070	0.158	<0.1	291	<0.05	<0.1	0.5
16S/1E-24N5	8.02	499	138	6.9	29	68	<0.1	1	1.6	46	30	13	3	<0.01	<0.01	<0.1	388	<0.05	<0.1	0.3
<i>Seaside Basin</i>																				
15S/1E-15N3 (shal)	203	67	7.1	45	15	<0.1	1	0.2	18	32	5.0	2.7	<0.01	<0.01	<0.1	203	<0.05	0.2	0.1	
15S/1E-15N2 (deep)	969	257	7.4	152	18	<0.1	<0.1	0.9	64	106	15	4.6	2.769	0.015	<0.1	566	0.11	0.5	0.3	
15S/1E-23Ca (shal)	742	222	7.4	103	36	<0.1	0.9	0.9	53	71	12	4	0.026	0.022	<0.1	508	0.06	0.3	0.2	
15S/1E-23Cb (deep)	not sampled in 2015 due to obstruction in well																			
15S/1E-15F1 (shal)	315	70	6.9	47	11	<0.1	3	<0.2	19	33	5.0	2.2	1.636	<0.01	<0.1	223	<0.05	0.2	0.10	
15S/1E-15F2 (deep)	1102	326	6.3	159	42	<0.1	<0.1	1.2	80	105	17	4.8	19.797	0.230	<0.1	668	0.12	0.5	0.3	
15S/1E-15K5 (shal)	208	66	7.8	49	8	<0.1	0.5	1.2	16	37	4	2.5	0.095	<0.01	NR	208	0.05	0.1	0.1	
15S/1E-15K4 (deep)	806	195	7.4	113	33	<0.1	<0.1	0.6	57	101	12	4.4	0.033	0.149	<0.1	460	0.10	0.3	0.3	
15S/1E-11Pa (shal)	331	69	6.8	54	13	<0.1	<0.1	0.5	28	38	5.0	4.3	0.078	<0.01	<0.1	217	<0.05	0.2	<0.1	
15S/1E-11Pb (deep)	426	100	5.9	71	1	0.4	<0.1	4.0	30	62	4.0	4.2	0.714	<0.01	<0.1	271	<0.05	0.3	0.1	
15S/1E-12Fa (shal)	342	62	8.2	59	12	<0.1	0.4	0.3	21	38	4	3	0.618	0.026	<0.1	246	0.06	0.2	0.1	
15S/1E-12Fc (deep)	292	59	7.6	45	13	<0.1	0.5	1.0	17	34	2	2	0.927	0.030	<0.1	177	0.07	0.1	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 2016 that are not shown on this table.

