

EXHIBIT 27-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 24 and November 25, 2009
Seaside Basin Sample Collection Date: July 27, July 28, July 30, August 5 and August 26, 2009

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO ₃)	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO ₃)	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Manganese	Orthophosphate	Total Dissolved Solids	Hardness (as CaCO ₃)	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	NA

Sampling Location River Mile

Carmel Valley Aquifer

16S/1W-14Jh (shal)	0.07 <i>no longer in annual sampling network</i>																				
16S/1W-14Jf (inter)	0.07 <i>no longer in annual sampling network</i>																				
16S/1W-14Jg (deep)	0.07	4821	246	7.2	1326	229	1.39	3	1.8	112	760	85	12	0.163	0.860	<0.1	2905	630	0.31	3.5	1.11
16S/1W-13Mc (shal)	0.31 <i>no longer in annual sampling network</i>																				
16S/1W-13Mb (inter)	0.31 <i>no longer in annual sampling network</i>																				
16S/1W-13Md (deep)	0.31 <i>no access in November or December due to high water in Lagoon</i>																				
16S/1W-13Lb (shal)	0.65 <i>no longer in annual sampling network</i>																				
16S/1W-13La (inter)	0.65 <i>no longer in annual sampling network</i>																				
16S/1W-13Lc (deep)	0.65	885	196	7.3	81	122	0.54	<1	2.1	77	84	21	2.9	2.650	0.774	0.1	585	279	0.15	0.3	1.03
16S/1E-17J4	3.85	507	87	6.4	32	104	0.13	3	1.4	42	34	15	3.6	0.361	0.028	<0.1	343	167	0.05	<0.2	0.18
16S/1E-17R2	3.86	1087	210	6.8	100	224	0.31	<1	4.0	116	82	26	3.6	6.320	0.316	<0.1	707	397	0.07	0.4	0.18
16S/1E-23E4	6.53	483	133	7.1	29	63	0.11	2	2	46	37	13	2.9	<0.050	<0.020	<0.1	315	168	0.06	<0.2	0.24
16S/1E-23La	6.72	460	117	7.1	30	62	0.25	<1	1.3	39	36	13	3.2	1.420	0.266	<0.1	307	151	0.25	0.05	0.29
16S/1E-24N5	8.02	1174	311	7.3	87	168	0.13	<1	1.1	116	100	30	2.5	2.650	1.010	<0.1	798	413	0.12	0.2	0.3

Seaside Basin

15S/1E-15N3 (shal)	313	67	7.9	44	15	0.46	1	<0.20	18	34	5	3.3	<0.050	0.053	<0.1	230	66	0.06	<0.2	0.14	
15S/1E-15N2 (deep)	1020	247	7.3	145	39	0.12	<1	0.86	73	108	16	5.1	0.307	0.064	0.4	620	248	0.18	0.5	0.25	
15S/1E-23Ca (shal)	---	823	208	7.1	98	35	<0.05	<1	0.44	68	77	16	4.6	0.137	0.126	<0.1	510	221	0.16	0.3	0.12
15S/1E-23Cb (deep)	---	961	238	7.2	108	69	<0.05	<1	1.7	81	83	19	6.2	0.519	0.332	<0.1	605	280	0.20	0.9	0.27
15S/1E-15F1 (shal)	315	72	7.3	40	11	<0.05	4	<0.20	19	34	5	2.3	<0.050	<0.020	<0.1	218	68	0.08	<0.2	0.11	
15S/1E-15F2 (deep)	1028	248	7.2	147	40	0.10	<1	0.56	76	109	17	5.1	<0.050	0.121	<0.1	625	260	0.16	0.5	0.62	
15S/1E-15K5 (shal)	407	98	7.6	48	15	0.22	<1	<0.20	27	43	6	3.1	0.152	<0.020	<0.1	273	92	0.10	<0.2	0.16	
15S/1E-15K4 (deep)	926	233	7.0	127	36	0.07	<1	0.73	65	100	14	4.8	0.196	0.185	<0.1	573	220	0.16	0.5	0.22	
15S/1E-11Pa (shal)	346	66	7.8	48	24	<0.05	<1	<0.20	28	33	3	4	<0.05	0.025	<0.1	235	82	0.24	0.2	<0.10	
15S/1E-11Pb (deep)	426	89	6.3	60	18	<0.05	<1	<0.20	26	53	4	3.5	0.152	<0.020	<0.1	280	81	0.14	0.2	0.12	
15S/1E-12Fa (shal)	307	61	7.4	43	16	<0.05	2	0.43	18	29	8	2	3.370	0.931	<0.1	225	78	0.16	<0.2	<0.10	
15S/1E-12Fc (deep)	401	77	6.5	62	19	<0.05	2	1.8	23	36	11	2.8	4.410	2.060	<0.1	258	103	0.16	<0.2	0.10	

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.