

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 23, 2015

Seaside Basin Sample Collection Dates: July 23, August 4, September 23 and 24, 2015

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (microhm/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	Hardness (as CaCO3)	Boron	Bromide	Fluoride
Drinking Water Standard (1)	900	1600-2200 (2)	NA	360	500	NA	45	NA	NA	NA	NA	NA	0.3	0.05	NA	NA	NA	NA	NA	NA
Sampling Location	River Mile																			
<b>Carmel Valley Aquifer</b>																				
16S/1W-14Jh (shal)																				
16S/1W-14Jf (inter)																				
16S/1W-14Jg (deep)																				
16S/1W-13Mc (shal)																				
16S/1W-13Mb (inter)																				
16S/1W-13Md (deep)																				
16S/1W-13Lb (shal)																				
16S/1W-13La (inter)																				
16S/1W-13Lc (deep)																				
16S/1E-17J4																				
16S/1E-17R2																				
16S/1E-23E4																				
16S/1E-23La																				
16S/1E-24N5																				
<b>Seaside Basin</b>																				
15S/1E-15N3 (shal)	317	66	6.1	43	13	<0.05	<1	1.2	18	35	5	3.9	<0.01	<0.01	<0.1	208	66	<0.05	0.20	0.1
15S/1E-15N2 (deep)	1006	267	7.4	146	26	<0.05	<1	1.3	72	107	15	4.5	0.094	0.029	<0.1	600	242	0.11	0.4	0.3
15S/1E-23Ca (shal)	831	185	7.4	112	46	<0.05	3	1.2	63	74	16	3.8	0.217	0.016	<0.1	494	223	0.07	0.4	0.2
<i>not sampled in 2015 due to obstruction in well</i>																				
15S/1E-23Cb (deep)	337	71	6.8	44	10	<0.05	1	4.2	20	37	5	2.4	<0.01	<0.01	<0.1	223	71	<0.05	0.2	<0.1
15S/1E-15F1 (shal)	1148	300	6.0	168	39	<0.05	<1	6.1	86	108	18	4.9	0.048	0.160	<0.1	674	289	0.12	0.4	0.2
15S/1E-15F2 (deep)	305	63	7.8	46	6	<0.05	2	0.7	16	39	4	2.1	0.065	<0.01	<0.1	214	56	<0.05	0.2	0.10
15S/1E-15K5 (shal)	628	163	7.5	82	24	<0.05	<1	0.6	43	80	8	3.5	<0.01	<0.01	<0.1	394	--	0.08	0.3	0.3
15S/1E-15K4 (deep)	360	58	6.1	66	<1	<0.05	<1	182	24	49	3	3.3	0.107	<0.01	<0.1	326	72	0.07	1.5	<0.1
15S/1E-11Pa (shal)	341	77	6.9	51	4	<0.05	<1	1.6	25	37	4	3.9	5.772	0.051	<0.1	240	79	<0.05	0.2	0.1
15S/1E-11Pb (deep)	269	52	7.2	44	8	<0.05	1	0.4	13	39	2	2.6	2.017	0.100	<0.1	180	41	0.06	0.2	0.1
15S/1E-12Fa (shal)																				
15S/1E-12Fc (deep)	296	57	8.0	45	13	<0.05	2	1.5	19	39	2	2.5	0.970	0.024	<0.1	200	56	0.06	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 Orthophosphate and Bromide changed in 2012.
- (4) 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 2015 that are not shown on this table.