

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 03 and 08, 2016
Seaside Basin Sample Collection Dates: July 26, August 1, October 6, December 5, 2016

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	Hardness (as CaCO3)	Boron	Bromide	Fluoride	
900.1600.2200(2)	NA	NA	NA	200.00.00(2)	200.00.00(2)	NA	45	NA	NA	NA	NA	NA	0.3	0.05	NA	NA	NA	NA	NA	NA	
River Mile																					
<i>0.07 no longer in annual sampling network</i>																					
<i>0.07 no longer in annual sampling network</i>																					
<i>0.07 no longer in annual sampling network, destroyed by flooding</i>																					
<i>0.31 no longer in annual sampling network</i>																					
<i>0.31 no longer in annual sampling network</i>																					
<i>0.31 no access in November or December due to high water in Lagoon</i>																					
<i>0.65 no longer in annual sampling network</i>																					
<i>0.65 no longer in annual sampling network</i>																					
16S/1W-14Jh (shal)	1016	194	7.2	101	170	0.73	<1	2.0	90	77	23	3.6	1.713	0.759	0.2	657	319	0.17	0.3	1.6	
16S/1W-14Ji (inter)	394e	60e	6.5	28	92	<0.05	3	1.6	38	22	15	3.2	0.366	0.015	<0.1	260	157	<0.05	<0.1	0.2	
16S/1W-14Jg (deep)	1200	182	6.6	109	272	0.21	<1	3.1	137	68	31	4.0	7.608	0.264	<0.1	820	470	0.05	0.2	0.2	
16S/1W-13Mc (shal)	1105e	255e	7.0	89	160	<0.05	<1	3.0	111	86	28	2.1	1.194	0.813	<0.1	707	392	0.11	0.2	0.5	
16S/1W-13Mb (inter)	469e	115e	7.0	32	69	0.07	<1	1.3	39	36	15	3.4	1.113	0.240	<0.1	283	159	0.05	0.1	0.4	
16S/1W-13Md (deep)	386e	70e	6.9	34	70	<0.05	5	1.6	44	30	15	2.8	<0.01	<0.1	247	172	<0.05	0.1	0.2	0.2	
16S/1W-13La (inter)																					
16S/1W-13Lc (deep)																					
16S/1E-17J4																					
16S/1E-17R2																					
16S/1E-23E4																					
16S/1E-23La																					
16S/1E-24N5																					
Seaside Basin																					
15S/1E-15N3 (shal)	328	66	7.3	43	14	<0.05	0.1	1.0	17	31	5	2.6	<0.01	<0.01	<0.1	214	63	<0.05	0.2	0.1	
15S/1E-15N2 (deep)	982	252	7.4	147	35	<0.05	<1	0.6	73	102	16	4.6	0.034	0.054	<0.1	608	248	0.11	0.4	0.3	
15S/1E-23Ca (shal)	868	204	7.6	114	43	<0.05	1.3	0.9	64	66	14	3.7	0.106	0.087	<0.1	506	217	0.07	0.3	0.2	
<i>not sampled in 2015 due to obstruction in well</i>																					
15S/1E-23Cb (deep)	331	71	6.6	44	10	<0.05	0.3	3.7	18	33	5	2.3	9.934	0.011	<0.1	220	66	<0.05	0.2	<0.1	
15S/1E-15F1 (shal)	1138	306	6.2	156	40	<0.05	<1	5.7	82	100	18	4.9	7.916	0.204	<0.1	691	279	0.12	0.4	0.3	
15S/1E-15F2 (deep)	304	64	7.7	51	8	<0.05	0.5	1.6	16	39	4	2.0	0.224	<0.01	<0.1	214	56	<0.05	<0.4	<0.4	
15S/1E-15K5 (shal)	587	148	7.4	82	22	<0.05	<1	0.4	38	72	8	3.4	0.017	<0.01	<0.1	368	--	0.06	<0.4	0.4	
15S/1E-15K4 (deep)	332	81	7.1	51	1	<0.05	<1	6.1	24	33	4	3.6	1.663	0.026	<0.1	225	76	<0.05	0.2	<0.1	
15S/1E-11Pa (shal)	404	70	5.8	66	1	<0.05	0.4	10.0	28	54	3.7	3.5	0.132	<0.01	0.2	420	85	0.07	0.1	<0.1	
15S/1E-11Pb (deep)	326	53	7.4	46	10	<0.05	0.5	0.3	15	37	2	2.4	0.567	0.100	<0.1	180	46	<0.05	<0.4	<0.4	
15S/1E-12Fa (shal)	319	54	7.6	46	12	<0.05	<1	0.5	17	37	2	2.0	1.420	0.026	<0.1	186	51	<0.05	<0.4	<0.4	
15S/1E-12Fc (deep)																					

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.