MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 15, 2011
Seaside Basin Sample Collection Dates: July 26 through August 1, 2011

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	Manga-nese	Orthophos-phate	Total Dissolved Solids	Hardness (as CaC03)	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**																				
Carmel Valley Aquifer																					
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	972	200	7.2	109	149	0.79	<1	2.3	80	92	22	4.2	2.250	0.699	<0.05	611	290	0.15	0.19	1.10
16S/1E-17J4	3.85	340	94	6.6	16	42	<0.05	<1	1.2	31	20	10	2.8	0.115	<0.010	<0.05	206	119	<0.05	<0.05	0.16
16S/1E-17R2	3.86	1156	210	6.6	106	238	0.36	<1	3.6	126	78	26	3.5	5.861	0.290	<0.05	806	422	0.06	0.19	0.14
16S/1E-23E4	6.53	1175	310	7.0	98	171	0.09	<1	1.8	114	94	28	2.1	2.085	0.833	<0.05	754	400	0.11	0.10	0.36
16S/1E-23La	6.72	480	118	7.0	32	70	0.12	<1	1.0	40	37	13	3.2	1.146	0.238	<0.05	311	153	<0.05	<0.05	0.29
16S/1E-24N5	8.02	442	130	7.0	26	51	<0.05	2	0.93	42	29	12	2.7	<0.010	0.063	<0.05	288	154	<0.05	<0.05	0.21
Upper Carmel Valley Aquifer																					
16S/2E-33Q1	12.52	495	148	6.9	29	52	<0.05	2	1.0	46	32	16	8.2	19.952	1.194	<0.05	337	181	<0.05	<0.05	0.20
17S/2E-03La	13.65	305	112	7.2	12	25	<0.05	<1	0.54	31	15	10	2.2	<0.010	<0.010	<0.05	194	119	<0.05	<0.05	0.16
17S/2E-10B1	14.28	505	149	7.0	28	64	<0.05	1	1.6	45	34	15	2.4	<0.010	<0.010	<0.05	340	174	<0.05	<0.05	0.30
Seaside Basin																					
15S/1E-15N3 (shal)		322	65	5.7	46	13	<0.05	<1	0.57	19	34	5	2.7	0.092	<0.01	0.15	215	68	<0.05	0.10	<0.05
15S/1E-15N2 (deep)		1017	256	7.4	157	38	0.14	<1	0.93	72	116	15	4.7	0.164	0.058	1.43	605	242	0.11	0.39	0.23
15S/1E-23Ca (shal)		763	201	7.5	98	32	1.46	3	1.1	62	73	13	3.7	0.017	0.016	<0.05	448	208	0.07	0.25	0.11
15S/1E-23Cb (deep)		*not sampled in 2011 due to obstruction in well*																			
15S/1E-15F1 (shal)		338	80	6.8	47	9	<0.05	<1	0.58	19	35	5	2.3	0.473	<0.01	1.63	220	68	<0.05	0.12	0.06
15S/1E-15F2 (deep)		1116	258	7.3	176	38	<0.05	<1	0.74	80	116	17	5.0	0.024	0.158	<0.05	632	270	0.12	0.48	0.19
15S/1E-15K5 (shal)		340	75	7.6	51	9	<0.05	<1	0.43	19	52	5	2.1	0.011	<0.01	<0.05	218	68	<0.05	0.13	0.07
15S/1E-15K4 (deep)		567	144	6.9	74	20	<0.05	<1	0.52	36	77	7	3.2	<0.01	<0.01	<0.05	342	119	0.07	0.16	0.30
15S/1E-11Pa (shal)		447	118	6.2	54	13	<0.05	<1	0.62	48	34	4	3.8	0.472	<0.01	<0.05	295	136	0.06	<0.05	<0.10
15S/1E-11Pb (deep)		443	92	6.6	70	12	<0.05	<1	1.3	26	57	4	3.6	0.505	0.013	<0.05	265	81	0.07	0.17	0.06
15S/1E-12Fa (shal)		269	52	7.8	50	11	<0.05	<1	2.7	14	37	4	2.2	0.743	0.112	<0.05	152	51	<0.05	0.12	0.09
15S/1E-12Fc (deep)		305	55	7.4	49	10	1.49	2	1.0	18	38	3	2.1	0.446	0.014	<0.05	192	57	<0.05	0.10	<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.

EXHIBIT 21-B