

APPENDIX K

Summary of 1993-95 Data Trace Elements in Mussels and Sediment (ppm, dry weight)

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State Mussel Watch Program

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Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc
10.0	Trinidad Head	RCM	10/14/93	1100.0	8.4	8.5	5.2	7.1	1.6	18.0	0.190	4.3	1.4	0.029	150.0
10.0	Trinidad Head	RCM	11/28/94	870.0	NA	5.2	52.0	9.1	1.1	20.0	0.130	NA	NA	0.032	140.0
100.0	Mad River Slough	TCM	02/24/94	1000.0	9.5	6.9	3.2	9.4	2.1	19.0	0.230	8.1	1.8	0.031	230.0
101.0	Samoa Bridge/West	TCM	02/24/94	2500.0	11.0	7.1	6.2	11.0	1.8	32.0	0.270	9.9	2.3	0.052	230.0
103.0	Eureka Channel	TCM	02/24/94	2200.0	9.1	6.6	5.3	10.0	2.4	26.0	0.210	7.2	1.6	0.036	210.0
202.0	Bodega Head	RCM	09/16/93	360.0	NA	11.0	1.5	6.4	1.4	8.7	0.210	NA	NA	0.110	130.0
202.0	Bodega Head	RCM	09/19/94	200.0	11.0	20.0	9.6	7.9	1.3	7.1	0.250	8.7	1.4	0.090	200.0
308.0	San Francisco Bay/Hunter's Point	TCM	01/15/88	2200.0	NA	7.2	14.0	18.0	2.9	26.0	0.370	NA	2.7	0.530	210.0
309.0	San Mateo Bridge/8B	TCM	02/12/85	2000.0	NA	7.6	10.0	20.0	1.6	66.0	0.500	NA	2.4	0.520	190.0
313.0	San Francisco Bay/near Redwood Cr	TCM	02/12/85	2600.0	NA	9.5	27.0	19.0	1.7	70.0	0.650	NA	2.7	1.200	200.0
313.0	San Francisco Bay/near Redwood Cr	TCM	01/15/88	750.0	NA	7.9	18.0	23.0	1.0	24.0	0.380	NA	3.4	2.700	170.0
321.0	Dumbarton Bridge/Channel Marker 14	TCM	02/12/85	2700.0	NA	9.6	25.0	15.0	2.1	60.0	0.540	NA	2.2	0.920	230.0
404.0	Sandholdt Bridge	TCM	03/07/94	1600.0	NA	6.4	2.3	11.0	1.6	20.0	0.260	NA	NA	0.041	270.0
404.0	Sandholdt Bridge	TCM	02/22/95	1400.0	NA	8.5	5.1	11.0	2.2	20.0	0.270	NA	NA	0.021	300.0
414.0	Pacific Grove	RCM	04/14/94	140.0	NA	11.0	0.8	6.7	3.8	5.0	0.190	NA	NA	0.300	300.0
414.0	Pacific Grove	RCM	04/19/95	260.0	NA	7.7	9.6	8.0	2.6	6.6	0.150	NA	NA	0.097	190.0
420.0	Monterey Harbor/Coast Guard Jetty	TCM	05/26/94	50.0	NA	11.0	0.4	7.3	2.7	4.4	0.098	NA	NA	0.130	140.0
420.3	Monterey Harbor/C G Jetty/Inner	TCM	05/26/94	63.0	NA	11.0	0.3	9.8	5.2	4.0	0.120	NA	NA	0.078	160.0
421.0	Monterey Harbor/Slag Pile	TCM	05/26/94	330.0	NA	11.0	1.6	23.0	21.0	5.4	0.270	NA	NA	0.200	330.0
507.3	Mugu Lagoon/Calleguas Creek	TCM	02/08/94	920.0	9.9	12.0	1.8	12.0	2.3	24.0	0.200	2.5	3.4	0.190	210.0
508.1	Mugu Drainage 1	SED	01/31/95	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.9	NA	NA
601.0	LA Harbor/National Steel	SED	11/09/93	30000.0	NA	1.8	87.0	110.0	73.0	670.0	0.400	43.0	0.4	0.420	250.0
601.0	LA Harbor/National Steel	TCM	02/08/94	1200.0	NA	12.0	3.3	47.0	13.0	48.0	0.330	2.3	2.3	0.170	510.0
601.0	LA Harbor/National Steel	TCM	01/31/95	540.0	NA	16.0	7.2	14.0	10.0	22.0	0.320	NA	1.9	0.067	510.0
602.0	LA Harbor/West Basin	TCM	02/08/94	630.0	10.0	13.0	2.2	31.0	6.7	24.0	0.270	1.9	2.2	0.110	340.0
605.0	LA Harbor/Cabrillo Pier	SED	11/09/93	26000.0	NA	2.0	82.0	140.0	35.0	420.0	0.200	45.0	0.8	0.470	150.0
605.0	LA Harbor/Cabrillo Pier	TCM	02/08/94	750.0	NA	4.4	1.7	15.0	4.6	21.0	0.150	1.2	3.5	0.100	190.0
605.0	LA Harbor/Cabrillo Pier	TCM	01/31/95	710.0	NA	5.0	NA	13.0	NA	26.0	0.150	NA	2.7	0.190	240.0
616.0	LA Harbor/Consolidated Slip	SED	11/09/93	24000.0	NA	12.0	100.0	140.0	120.0	450.0	0.270	44.0	0.4	0.810	510.0
616.0	LA Harbor/Consolidated Slip	TCM	02/08/94	1000.0	NA	14.0	3.0	26.0	18.0	29.0	0.260	2.2	3.3	0.110	460.0
616.0	LA Harbor/Consolidated Slip	TCM	01/31/95	910.0	NA	15.0	20.0	16.0	14.0	32.0	0.260	NA	ND	0.093	570.0
618.0	LA Harbor/Angels Gate	RCM	02/08/94	900.0	7.3	1.1	1.4	12.0	1.7	15.0	0.082	0.9	4.3	0.064	110.0
618.0	LA Harbor/Angels Gate	RCM	01/31/95	860.0	NA	2.4	NA	11.0	NA	19.0	0.092	NA	3.3	0.062	110.0
648.0	Malibu	RBM	02/07/94	1200.0	8.3	1.2	1.9	14.0	4.4	23.0	0.130	2.1	4.8	1.600	100.0
648.0	Malibu	RBM	01/31/95	1700.0	NA	2.4	50.0	9.0	0.9	32.0	0.086	NA	3.5	0.290	98.0
650.0	Santa Monica	RCM	02/07/94	2400.0	7.3	1.8	2.6	7.4	1.8	52.0	0.097	3.5	4.3	0.330	70.0
650.0	Santa Monica	RCM	01/31/95	550.0	NA	1.5	21.0	12.0	3.5	12.0	0.120	NA	4.6	3.100	160.0
662.0	Royal Palms	RCM	02/08/94	1300.0	NA	1.8	2.9	11.0	2.2	43.0	0.120	3.7	3.7	2.800	140.0
662.0	Royal Palms	RCM	01/31/95	650.0	NA	2.4	30.0	9.7	1.9	17.0	0.140	NA	2.8	1.700	160.0
664.0	Cabrillo Beach	RCM	11/11/94	710.0	NA	2.4	9.5	12.0	2.6	16.0	0.220	NA	3.3	4.400	210.0

* RCM = Resident California Mussel
TCM = Transplanted California Mussel

RBM = Resident Bay Mussel
SED = Sediment

NA = Not Analyzed
ND = Not Detected

** Samples with a collection date prior to 1993 are archive samples.

APPENDIX K (continued)

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Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc
681.0	Catalina Island/West	RCM	03/30/94	210.0	NA	9.4	2.3	5.2	27.0	9.6	0.240	2.7	2.8	1.200	290.0
713.0	Huntington Harbour/Edinger Street	TCM	02/07/94	1300.0	11.0	8.6	1.9	17.0	6.0	29.0	0.370	1.7	2.7	0.046	360.0
713.0	Huntington Harbour/Edinger Street	TCM	01/30/95	2000.0	NA	12.0	150.0	17.0	7.3	50.0	0.290	NA	NA	0.100	370.0
715.0	Huntington Harbour/Warner Ave Brdg	TCM	02/07/94	1400.0	12.0	10.0	2.5	19.0	13.0	45.0	0.270	2.6	2.8	0.067	480.0
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/30/95	1600.0	NA	9.4	120.0	21.0	12.0	47.0	0.250	NA	NA	0.110	440.0
723.4	Newport Bay/Turning Basin	TCM	01/30/95	920.0	NA	16.0	18.0	23.0	5.2	44.0	0.430	NA	NA	0.084	530.0
724.0	Newport Bay/Highway 1 Bridge	TCM	02/07/94	1100.0	11.0	11.0	2.4	20.0	4.0	56.0	0.280	4.3	2.0	0.057	340.0
724.0	Newport Bay/Highway 1 Bridge	TCM	01/30/95	1000.0	NA	13.0	4.9	66.0	6.6	65.0	0.610	NA	NA	0.094	710.0
725.0	Newport Bay/Crows Nest	TCM	02/07/94	940.0	13.0	14.0	2.5	180.0	8.7	41.0	0.730	4.9	2.7	0.097	690.0
725.0	Newport Bay/Crows Nest	TCM	01/30/95	2000.0	NA	8.6	18.0	15.0	3.5	32.0	0.240	NA	NA	0.041	300.0
726.4	Newport Bay/Rhine Channel/End	TCM	02/07/94	1100.0	13.0	14.0	4.1	240.0	8.3	110.0	0.620	5.6	2.4	0.130	800.0
726.4	Newport Bay/Rhine Channel/End	TCM	01/30/95	930.0	NA	14.0	5.1	100.0	5.2	55.0	0.570	NA	NA	0.078	650.0
750.0	Oceanside	RCM	01/30/95	1100.0	NA	1.5	11.0	7.9	0.5	17.0	0.055	NA	NA	0.073	110.0
868.5	Mission Bay/Landfill 1	TCM	01/30/95	1300.0	6.1	5.7	5.8	9.1	1.4	21.0	0.160	5.8	1.6	0.080	180.0
868.6	Mission Bay/Landfill 2	TCM	01/30/95	1100.0	7.4	7.3	2.5	9.8	1.1	15.0	0.170	3.3	2.0	0.067	170.0
882.0	24th St Maritime Terminal/South	TCM	02/08/94	1000.0	8.0	6.7	1.8	63.0	3.9	33.0	0.270	2.7	1.6	0.550	470.0
882.0	24th St Maritime Terminal/South	TCM	01/31/95	1000.0	NA	13.0	11.0	45.0	3.9	29.0	0.290	NA	NA	0.270	460.0
883.1	San Diego Bay/Chollas Creek	TCM	02/08/94	1400.0	10.0	13.0	2.5	43.0	10.0	43.0	0.350	1.7	2.1	0.320	600.0
883.4	San Diego Bay/Continental Maritime	TCM	02/08/94	1300.0	10.0	9.3	2.5	73.0	5.5	79.0	0.310	1.7	2.1	0.480	560.0
883.5	San Diego Bay/Tuna Docks	TCM	02/08/94	850.0	11.0	9.4	1.9	38.0	7.5	22.0	0.240	1.3	1.7	0.310	490.0
883.8	San Diego Bay/Switzer Creek	TCM	02/08/94	950.0	10.0	10.0	2.3	46.0	5.4	38.0	0.290	2.0	2.0	0.350	420.0
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	02/08/94	760.0	12.0	15.0	3.8	70.0	17.0	20.0	0.260	1.8	2.0	1.300	750.0
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/31/95	990.0	NA	11.0	26.0	41.0	26.0	23.0	0.280	NA	NA	0.840	750.0
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/31/95	1000.0	NA	5.5	25.0	15.0	4.5	17.0	0.200	NA	NA	0.066	350.0

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