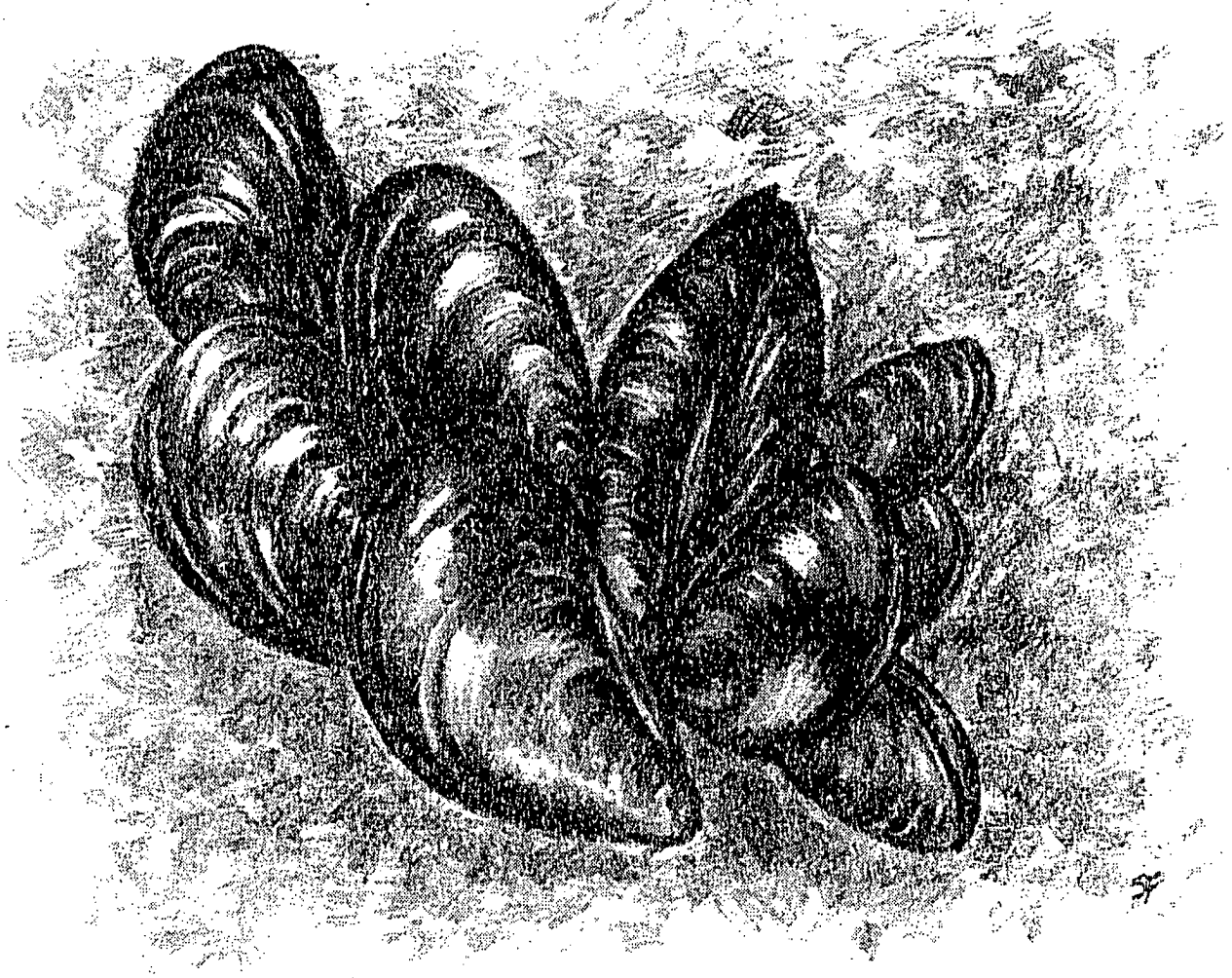

STATE MUSSEL WATCH PROGRAM 1987-93 DATA REPORT

94-1WQ

March 1995

STATE WATER RESOURCES CONTROL BOARD
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

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Pete Wilson, Governor

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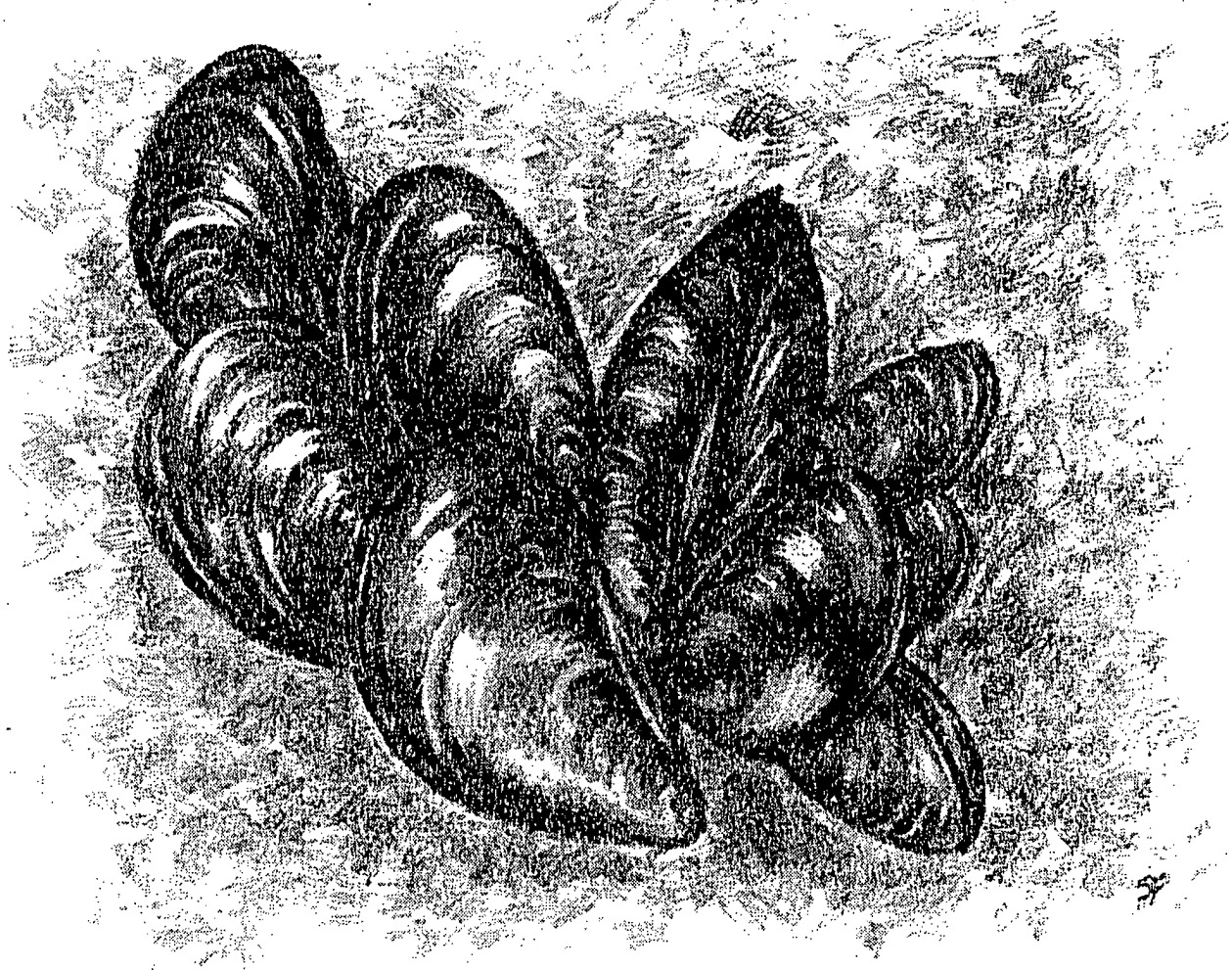

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STATE MUSSEL WATCH PROGRAM
1987 - 1993
DATA REPORT

94-1WQ

Prepared by
Del Rasmussen
Division of Water Quality

Field and Laboratory Operations Conducted by the
Moss Landing Laboratory
California Department of Fish and Game

STATE WATER RESOURCES CONTROL BOARD
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

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LIST OF ABBREVIATIONS

DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DDMS	Dichlorodiphenylmonochlorosaturatedethane
DDMU	Dichlorodiphenylmonochlorounsaturatedethane
DFG	California Department of Fish and Game
EDL	Elevated Data Level(s)
FDA or (USFDA)	United States Food and Drug Administration
HCH	Hexachlorocyclohexane
MIS	Median International Standard(s)
MTRL	Maximum Tissue Residue Level(s)
NAS	National Academy of Sciences
PAH	Polynuclear Aromatic Hydrocarbon(s)
PCB	Polychlorinated Biphenyl(s)
PCP	Pentachlorophenol
PCT	Polychlorinated Terphenyl
ppb	Parts Per Billion (ng/g)
ppm	Parts Per Million (μg/g)
RWQCB	California Regional Water Quality Control Board(s)
SMWP	State Mussel Watch Program
SWRCB	California State Water Resources Control Board
TCP	Tetrachlorophenol
TBT	Tributyltin
USEPA	United States Environmental Protection Agency

1. STATE MUSSEL WATCH PROGRAM
1987 - 1993

Introduction

The California State Mussel Watch Program (SMWP) was initiated in 1977 by the California State Water Resources Control Board (SWRCB). The SMWP was organized to provide a uniform statewide approach to the detection and evaluation of the occurrence of toxic substances in the waters of California's bays, harbors, and estuaries through the analysis of mussels and clams. The SMWP primarily targets areas with known or suspected impaired water quality and is not intended to give an overall water quality assessment. The California Department of Fish and Game (DFG) carries out the statewide SMWP for the SWRCB by collecting and analyzing samples. The SWRCB provides funding under an ongoing interagency agreement with the DFG. Sampling stations are selected primarily by the six coastal Regional Water Quality Control Boards (RWQCB) which are identified on the inside back cover.

The DFG reports annual sampling results to the SWRCB, which distributes the information to the coastal RWQCBs and to other federal, State, and local agencies through annual preliminary data reports. These preliminary data reports are also routinely transmitted to the Office of Environmental Health Hazard Assessment of the California Environmental Protection Agency, which has responsibility for evaluating pollutant levels based on human health concerns and issuing consumption health advisories if indicated. This report is the formal report presenting the results of the 1987-93 sampling and analysis programs.

Information collected in the SMWP is used by the SWRCB, RWQCB, and other agencies to identify waters impacted by toxic pollutants. Through the SWRCB's statewide Water Quality Assessment/Clean Water Strategy, SMWP results are used to help classify water bodies from good to impaired water quality relative to each other and ranked according to this classification and resource value. For example, water bodies that exceed human health criteria are considered more impaired than water bodies that only exceed environmental protection criteria. SMWP results are also used in the SWRCB's Bay Protection Program in helping identify "Toxic Hot Spots". Lastly, SMWP results are used in the normal regulatory activities of the RWQCBs and other State agencies such as the Department of Pesticide Regulation.

Summary

Appendix A shows area map locations for each station sampled from August 1987 through March 1993. Appendix B contains station location information such as latitude and longitude and county identification. From 1987 to 1993 a total of 863 samples from 315 stations were collected and analyzed (Appendix C) including 776 samples of California mussel (*Mytilus californiaus*), bay mussel (*Mytilus edulis*), and freshwater clam (*Corbicula fluminea*), and 87 sediment samples. Two archive samples of California mussels from Point Pinole and the Dumbarton Bridge at Channel Marker 14 collected in 1981 and 1982, respectively, were also analyzed in 1989 upon special request. Samples were analyzed for trace elements (metals), organic chemicals (pesticides and PCBs), polynuclear aromatic hydrocarbons (PAHs), and tributyltin (TBT). Transplanted California mussels made up 62% of the tissue samples followed by resident California mussels (24%), transplanted freshwater clams (11%), resident bay mussels (2%), and

elements. Transplanted mussels (M. californianus) were collected from Trinidad Head for the Humboldt Bay survey, from Montana de Oro for the Diablo Canyon survey, and from Bodega Head for all other transplants. Transplanted freshwater clams (C. fluminea) were collected from Lake San Antonio up to mid-1990. Because drought conditions at Lake San Antonio prevented further collections, clams were obtained from the Rio Vista area (Solano County) from 1990 through mid-1992. Clams collected from the Rio Vista area were held in Aptos Creek until transplanted. In 1992-93 clams were collected from Lake Isabella.

Dry, Wet, and Lipid Weight Measurements

Metal data are presented in parts per million (ppm), while organic chemical data are presented in parts per billion (ppb). Tissue concentrations of trace elements and organic chemicals are measured on a dry weight basis to reduce data variability due to moisture content. Wet and lipid data are back calculated from dry weight measurements. Wet weight data are used to compare to wet weight or fresh weight criteria listed in this report (see Section 3, Administrative and Comparative Criteria). In addition, organic chemicals are expressed on a lipid weight basis. Lipid weight measurements offer several advantages. Because chlorinated hydrocarbons are much more soluble in lipids (fat tissues) than in water, they partition into lipid-rich tissues of aquatic organisms (Stout and Beezhold 1981). Animals with higher proportions of lipid in their tissue usually have had higher concentrations of chlorinated hydrocarbon pollutants (Phillips 1980). Factors such as season, water temperature, health of the organism, stress on the organism, and type of species can affect the lipid levels of samples collected for analysis and can, therefore, cause variability in results. Use of lipid weight measurements may reduce this source of variability, although disadvantages have also been noted (Phillips 1980). As a result, lipid weight values may represent a more realistic measure of environmental availability of chlorinated hydrocarbons than wet weight values. Wet weight measures, however, remain the preferred measure for most readers because all criteria for human health and for predator protection are based on wet weight measures. Also, wet weight measures better reflect the exposure of predators or humans to the actual concentration in fresh mussels or clams .

3. ADMINISTRATIVE AND COMPARATIVE CRITERIA

In this report the term "criteria" is used to refer to the criteria against which a particular trace element or organic chemical is being compared. More than one criterion may apply to any one metal or organic compound. In general, FDA action levels, Maximum Tissue Residue Levels (MTRLs), and Median International Standards (MIS), all human health-related criteria, are considered more important or critical. Following human health criteria are NAS guidelines for predator protection and Elevated Data Levels (EDLs). All five criteria are discussed below.

In interpreting the SMWP data by any of the criteria provided, the reader is cautioned that there is no simple relationship between concentrations of toxic substances observed in tissue samples and actual concentrations in water. Different aquatic organisms tend to bioaccumulate a given toxic substance in water to different levels; however, the differences usually do not prevent a general interpretation of the data. The reader is cautioned that the limited number of samples obtained and analyzed at each station in a single year is generally too small to provide a statistically sound basis for making absolute statements on toxic substance concentrations. The values reported herein should be accepted as indicators of relative levels of toxic pollution in water, not as absolute values. In this sense, trends over time and ranking values of a toxic substance provide only an indication of areas where mussels and clams are evidently accumulating concentrations which are above normal.

FDA Action Levels and NAS Guidelines

The FDA has established maximum concentration levels for some toxic substances in human foods (USFDA 1985). The levels are based on specific assumptions of the quantities of food consumed by humans and the frequency of their consumption. The FDA limits are intended to protect humans from the chronic effects of toxic substances consumed in foodstuffs. The National Academy of Sciences (NAS) has established recommended maximum concentrations of toxic substances in animals (NAS 1973). They were established not only to protect the organisms containing the toxic compounds, but also to protect the species that consume these contaminated organisms. The NAS has set guidelines for marine fish but not for marine shellfish. Only two guidelines apply to freshwater clams. The FDA limits and NAS guidelines used in this report are shown in Table 1.

Maximum Tissue Residue Levels (MTRLs)

MTRLs were developed by SWRCB staff from human health water quality objectives in the *1990 California Ocean Plan* (SWRCB 1990a), the *Draft November 26, 1990 Functional Equivalent Document - Development of Water Quality Plans For: Inland Surface Waters of California and Enclosed Bays and Estuaries of California* (SWRCB 1990b), and the *Draft April 9, 1991 Supplement to the Functional Equivalent Document* (SWRCB 1991). The objectives represent concentrations in water that protect against consumption of fish, shellfish, and water (freshwater only) that contain substances at levels which could result in significant human health problems. MTRLs are used as alert levels or guidelines indicating water bodies with potential human health concerns and are an assessment tool and not compliance or enforcement criteria. Tables 2, 3, and 4 lists MTRLs for those substances monitored in

TABLE 2

Maximum Tissue Residue Levels (MTRLs) in Ocean Waters

Carcinogens [a]

Substance	Water Quality Objective [b] (µg/l)	BCF [c] (l/kg)	MTRL [d] (µg/kg, ppb wet weight)
aldrin	0.000022	e	0.1
chlordane (total)	0.000023	14100	0.32
DDT (total)	0.00017	53600	9.1
dieldrin	0.00004	4670	0.2
heptachlor	0.00072	11200	8.1
hexachlorobenzene (HCB)	0.00021	8690	2.0
PAHs (total)	0.0088	30	0.26
PCBs (total)	0.000019	31200	0.6
toxaphene	0.00021	13100	2.75

a. The SMWP does not analyze for any of the non-carcinogens listed in the human health section of Table B of the 1990 Ocean Plan.
b. From Table B, Objectives for Human Health, "*California Ocean Plan*" (SWRCB 1990a).
c. Bioconcentration Factors taken from the USEPA 1980 Ambient Water Quality Criteria Documents for each substance.
d. MTRLs were calculated by multiplying the Water Quality Objective by the BCF, except for aldrin.
e. Aldrin MTRL is derived from a combination of aldrin and dieldrin risk factors and BCFs as recommended in the USEPA 1980 "*Ambient Water Quality Criteria for Aldrin/Dieldrin*" (USEPA 1980).

TABLE 3

Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

Carcinogens

Substance	Water Quality Objective [a] (µg/l)	BCF [b] (l/kg)	MTRL [c] (µg/kg, ppb)
aldrin	0.00014	d	0.33
chlordane (total)	0.000081	14100	1.2
DDT (total)	0.0006	53600	32.0
dieldrin	0.00014	4670	0.7
heptachlor	0.00017	11200	1.9
heptachlor epoxide	0.00007	11200	0.8
hexachlorobenzene (HCB)	0.00069	8690	6.0
hexachlorocyclohexane (HCH), alpha	0.0013	130	1.7
hexachlorocyclohexane (HCH), beta	0.046	130	6.0
hexachlorocyclohexane (HCH), gamma	0.062	130	8.1
PAHs (total)	0.031	30	0.93
PCBs (total)	0.00007	31200	2.2
pentachlorophenol (PCP)	8.2	11	90.0
toxaphene	0.00069	13100	9.0

Non-carcinogens

Substance	Water Quality Objective [a] (mg/l)	BCF [b] (l/kg)	MTRL [c] (mg/kg, ppm)
endosulfan (total)	0.002	270	0.5 (500 ppb)
endrin	0.0008	3970	3.2 (3,200 ppb)
mercury	0.000025	e	1.0
nickel	4.6	47	220.0

a. From the *Draft November 26, 1990 Functional Equivalent Document - Development of Water Quality Plans For: Inland Surface Waters of California and Enclosed Bays and Estuaries of California* (SWRCB 1990b), the *Draft April 9, 1991 Supplement to the Functional Equivalent Document* (SWRCB 1991).

b. Bioconcentration Factors taken from the USEPA 1980 Ambient Water Quality Criteria Documents for each substance.

c. MTRLs were calculated by multiplying the Water Quality Objective by the BCF, except for aldrin and mercury.

d. Aldrin MTRL is derived from a combination of aldrin and dieldrin risk factors and BCFs as recommended in the USEPA 1980 "*Ambient Water Quality Criteria for Aldrin/Dieldrin*" (USEPA 1980).

e. The MTRL for mercury is the FDA action level. The water quality objective for mercury in the Enclosed Bays and Estuaries Plan is based on the FDA action level as recommended in the USEPA 1985 "*Ambient Water Quality Criteria for Mercury*" (USEPA 1985).

TABLE 4

Maximum Tissue Residue Levels (MTRLs) in Inland Surface Waters

Carcinogens

Substance	Water Quality Objective [a] (µg/l)	BCF [b] (l/kg)	MTRL [c] (µg/kg, ppb)
aldrin	0.00013	d	0.05
arsenic	5.0 [e]	44	200.0 (0.2 ppm)
chlordane (total)	0.00008	14100	1.1
DDT (total)	0.00059	53600	32.0
dieldrin	0.00014	4670	0.65
heptachlor	0.00016	11200	1.8
heptachlor epoxide	0.00007	11200	0.8
hexachlorobenzene (HCB)	0.00066	8690	6.0
hexachlorocyclohexane (HCH), alpha	0.0039	130	0.5
hexachlorocyclohexane (HCH), beta	0.014	130	1.8
hexachlorocyclohexane (HCH), gamma	0.019	130	2.5
PAHs (total)	0.0028	30	0.08
PCBs (total)	0.00007	31200	2.2
pentachlorophenol (PCP)	0.28	11	3.1
toxaphene	0.00067	13100	8.8

Non-carcinogens

Substance	Water Quality Objective [a] (mg/l)	BCF [b] (l/kg)	MTRL [c] (mg/kg, ppm)
cadmium	0.01	64	0.64
endosulfan (total)	0.0009	270	0.25 (250 ppb)
endrin	0.0008	3970	3.0 (3,000 ppb)
mercury	0.000012	f	1.0
nickel	0.6	47	28.0

a. From the *Draft November 26, 1990 Functional Equivalent Document - Development of Water Quality Plans For: Inland Surface Waters of California and Enclosed Bays and Estuaries of California* (SWRCB 1990b), the *Draft April 9, 1991 Supplement to the Functional Equivalent Document* (SWRCB 1991)

b. Bioconcentration Factors taken from the USEPA 1980 Ambient Water Quality Criteria Documents for each substance.

c. MTRLs were calculated by multiplying the Water Quality Objective by the BCF, except for aldrin, arsenic, and mercury.

d. Aldrin MTRL is derived from a combination of aldrin and dieldrin risk factors and BCFs as recommended in the USEPA 1980 "*Ambient Water Quality Criteria for Aldrin/Dieldrin*" (USEPA 1980).

e. Arsenic MTRL was calculated from the formula NSRL ÷ (WI/BCF) + FC = MTRL. [NSRL (California's No Significant Risk Level for arsenic) = 10 µg/d, WI (Water Intake) = 2 l/d, FC (daily fish consumption) = 0.0065 kg/d].

f. The MTRL for mercury is the FDA action level. The water quality objective for mercury in the Inland Surface Waters Plan is based on the FDA action level as recommended in the USEPA 1985 "*Ambient Water Quality Criteria for Mercury*" (USEPA 1985).

TABLE 5

Median International Standards for Trace Elements[a]
(edible portion, ppm, wet weight)

Element	Freshwater Fish	Shellfish	Range	Number of Countries with Standards
Arsenic	1.5	1.4	0.1 to 5.0	11
Cadmium	0.3	1.0	0.05 to 2.0	10
Chromium	1.0	1.0	1.0	1
Copper	20.0	20.0	10 to 100	8
Lead	2.0	2.0	0.5 to 10.0	19
Mercury	0.5	0.5	0.1 to 1.0	28
Selenium	2.0	0.3	0.3 to 2.0	3
Zinc	45.0	70.0	40 to 100	6

a Based on: Nauen, C. C., Compilation of Legal Limits for Hazardous Substances in Fish and Fishery Products, Food and Agriculture Organization of the United Nations, 1983.

TABLE 6

State Mussel Watch Program

EDL 85 and EDL 95 for Trace Elements in California Mussels (*Mytilus californianus*)

Calculated Using 1977 - 1993 Data

(ppm, wet weight)

Resident

Element	EDL 85	EDL 95	Number of Samples
Aluminum	73.15	110.00	574
Arsenic	3.81	4.95	129
Cadmium	1.50	2.03	574
Chromium	0.52	0.80	574
Copper	1.52	1.99	574
Manganese	1.92	2.70	574
Mercury	0.06	0.11	571
Nickel	0.62	0.79	271
Lead	0.99	2.46	574
Selenium	0.51	0.56	41
Silver	0.45	1.63	574
Titanium	5.71	9.95	167
Zinc	33.63	38.86	574

Transplanted

Element	EDL 85	EDL 95	Number of Samples
Aluminum	120.19	206.73	867
Arsenic	2.29	3.51	196
Cadmium	1.56	1.92	867
Chromium	0.62	1.19	867
Copper	4.79	11.81	867
Manganese	4.40	6.00	867
Mercury	0.06	0.08	857
Nickel	0.72	0.95	193
Lead	1.57	2.72	876
Selenium	0.63	0.91	112
Silver	0.10	0.19	867
Titanium	7.55	14.65	139
Zinc	52.86	73.94	867

TABLE 7

State Mussel Watch Program

EDL 85 and EDL 95 for Trace Elements in Bay Mussels (*Mytilus edulis*)

Calculated Using 1977 - 1993 Data

(ppm, wet weight)

Resident

Element	EDL 85	EDL 95	Number of Samples
Aluminum	122.87	183.71	86
Arsenic	IS	IS	5
Cadmium	1.02	1.25	86
Chromium	0.52	0.95	86
Copper	1.92	3.87	86
Manganese	5.01	6.64	86
Mercury	0.05	0.09	85
Nickel	0.75	0.97	21
Lead	1.92	4.42	86
Selenium	IS	IS	5
Silver	0.05	0.15	86
Titanium	IS	IS	1
Zinc	43.29	54.22	86

IS = Insufficient number of samples to calculate an EDL.

TABLE 8

State Mussel Watch Program

EDL 85 and EDL 95 for Trace Elements in Freshwater Clams (*Corbicula fluminea*)

Calculated Using 1977 - 1993 Data

(ppm, wet weight)

Resident

Element	EDL 85	EDL 95	Number of Samples
Aluminum	56.29	78.17	18
Arsenic	IS	IS	4
Cadmium	1.26	1.74	18
Chromium	0.99	1.51	18
Copper	8.61	10.68	18
Manganese	6.68	9.35	18
Mercury	0.04	0.05	18
Nickel	IS	IS	2
Lead	0.12	0.21	18
Selenium	IS	IS	7
Silver	0.03	0.04	18
Titanium	IS	IS	1
Zinc	17.05	18.17	18

Transplanted

Element	EDL 85	EDL 95	Number of Samples
Aluminum	206.33	446.00	84
Arsenic	0.90	0.93	28
Cadmium	0.92	1.26	84
Chromium	2.00	3.07	84
Copper	8.78	15.00	84
Manganese	9.55	16.90	84
Mercury	0.04	0.05	81
Nickel	1.00	1.40	20
Lead	0.21	0.39	84
Selenium	0.43	0.46	28
Silver	0.03	0.04	84
Titanium	IS	IS	5
Zinc	19.39	25.12	84

IS = Insufficient number of samples to calculate an EDL.

TABLE 9

State Mussel Watch Program

EDL 85 and EDL 95 for Organic Chemicals in Resident California Mussels (*Mytilus californianus*)

Calculated Using 1977 - 1993 Data

(ppb, wet weight)

Chemical	EDL 85	EDL 95	Number of Samples
Aldrin	ND	ND	151
Chlordene, alpha	ND	ND	122
Chlordene, gamma	ND	ND	121
cis-Chlordane	1.6	3.0	151
cis-Nonachlor	0.2	0.4	127
Oxychlordane	0.2	0.4	151
trans-Chlordane	1.3	2.3	151
trans-Nonachlor	1.1	2.3	151
Total Chlordane	4.2	7.1	161
Chlorbenside	ND	0.5	124
Chlorpyrifos	ND	ND	150
Dacthal	ND	0.4	150
DDD, o,p'	1.1	2.0	273
DDD, p,p'	3.0	7.5	273
DDE, o,p'	4.3	11.3	154
DDE, p,p'	24.1	102.8	273
DDMS, p,p'	ND	2.4	154
DDMU, p,p'	2.6	8.6	154
DDT, o,p'	0.5	1.1	273
DDT, p,p'	1.7	3.3	273
Total DDT	33.2	122.5	283
Diazinon	ND	ND	124
Dichlorobenzophenone, p,p'	ND	ND	66
Dicofol	ND	ND	40
Dieldrin	1.6	2.5	150
Endosulfan I	0.5	1.4	151
Endosulfan II	ND	ND	54
Endosulfan Sulfate	ND	ND	54
Total Endosulfan	0.5	1.4	161
Endrin	ND	ND	151
Ethion	ND	ND	66
HCH, alpha	1.3	1.7	151
HCH, beta	ND	1.2	150
HCH, delta	ND	ND	150
HCH, gamma	0.2	0.3	150
Heptachlor	ND	ND	151
Heptachlor Epoxide	ND	ND	150
Hexachlorobenzene	ND	0.03	151
Methoxychlor	ND	ND	150
Oxadiazon	ND	ND	40
Parathion, ethyl	ND	ND	123
Parathion, methyl	ND	ND	123
PCB 1248	ND	ND	377
PCB 1254	13.2	32.3	377
PCB 1260	ND	ND	377
Total PCB	13.8	32.3	377
PCT 5460	ND	ND	54
Pentachlorophenol	1.2	2.7	14
Phenol	0.3	0.4	14
Tetrachlorophenol	1.1	3.0	14
Tetradifon	ND	ND	123
Toxaphene	ND	ND	151
Tributyltin	ND	8.5	18

ND = EDL lies below the detection limit.

TABLE 10

State Mussel Watch Program

EDL 85 and EDL 95 for Organic Chemicals in Transplanted California Mussels (*Mytilus californianus*)

Calculated Using 1977 - 1993 Data

(ppb, wet weight)

Chemical	EDL 85	EDL 95	Number of Samples
Aldrin	ND	ND	511
Chlordene, alpha	0.5	1.1	457
Chlordene, gamma	0.1	0.4	457
cis-Chlordane	7.7	13.8	514
cis-Nonachlor	2.0	3.7	464
trans-Chlordane	6.3	10.1	514
trans-Nonachlor	5.5	10.2	514
Total Chlordane	21.9	36.5	523
Chlorbenside	ND	1.7	423
Chlorpyrifos	ND	1.4	509
Dacthal	0.7	6.0	490
DDD, o,p'	6.0	12.5	535
DDD, p,p'	24.1	67.7	535
DDE, o,p'	6.1	10.4	535
DDE, p,p'	97.7	163.8	535
DDMS, p,p'	3.4	6.2	535
DDMU, p,p'	6.5	10.4	535
DDT, o,p'	2.3	8.4	535
DDT, p,p'	7.7	32.4	535
Total DDT	153.0	301.9	544
Diazinon	ND	ND	409
Dichlorobenzophenone, p,p'	ND	ND	250
Dicofol	ND	ND	167
Dieldrin	6.3	18.2	491
Endosulfan I	1.3	24.7	495
Endosulfan II	3.9	18.0	239
Endosulfan Sulfate	10.2	29.0	240
Total Endosulfan	1.8	47.1	504
Endrin	ND	1.4	488
Ethion	ND	ND	250
HCH, alpha	0.6	1.1	506
HCH, beta	ND	ND	490
HCH, delta	ND	ND	489
HCH, gamma	0.4	0.7	489
Heptachlor	ND	ND	506
Heptachlor Epoxide	0.1	0.5	506
Hexachlorobenzene	ND	0.1	506
Methoxychlor	ND	ND	491
Oxadiazon	1.1	2.4	150
Parathion, ethyl	ND	ND	388
Parathion, methyl	ND	ND	388
PCB 1248	ND	28.1	675
PCB 1254	173.9	375.7	675
PCB 1260	ND	ND	675
Total PCB	179.7	421.9	675
PCT 5460	ND	ND	158
Pentachlorophenol	22.5	33.8	91
Phenol	0.5	0.9	37
Tetrachlorophenol	2.0	5.4	91
Tetradifon	ND	ND	394
Toxaphene	ND	81.9	514
Tributyltin	1560.0	2694.0	136

ND = EDL lies below the detection limit.

TABLE 11

State Mussel Watch Program

EDL 85 and EDL 95 for Organic Chemicals in Resident Bay Mussels (Mytilus edulis)

Calculated Using 1977 - 1993 Data

(ppb, wet weight)

Chemical	EDL 85	EDL 95	Number of Samples
Aldrin	ND	0.4	61
Chlordene, alpha	0.4	1.1	40
Chlordene, gamma	0.5	1.2	40
cis-Chlordane	12.0	17.9	62
cis-Nonachlor	2.6	4.7	51
Oxychlordane	0.5	0.9	62
trans-Chlordane	13.3	17.2	62
trans-Nonachlor	11.5	16.6	62
Total Chlordane	39.5	56.3	62
Chlorbenside	ND	5.9	54
Chlorpyrifos	ND	0.7	62
Dacthal	9.6	21.6	60
DDD, o,p'	12.2	24.3	81
DDD, p,p'	45.8	84.6	81
DDE, o,p'	8.1	15.9	74
DDE, p,p'	176.5	330.5	81
DDMS, p,p'	3.1	5.3	74
DDMU, p,p'	7.0	11.3	74
DDT, o,p'	7.3	23.3	81
DDT, p,p'	32.3	97.0	81
Total DDT	315.3	500.0	81
Diazinon	ND	ND	52
Dichlorobenzophenone, p,p'	ND	ND	14
Dicofol	IS	IS	7
Dieldrin	12.6	22.4	59
Endosulfan I	94.6	126.4	62
Endosulfan II	54.3	74.6	25
Endosulfan Sulfate	51.0	74.8	24
Total Endosulfan	126.9	232.1	62
Endrin	2.4	4.1	60
Ethion	ND	ND	14
HCH, alpha	0.4	0.5	61
HCH, beta	ND	0.3	60
HCH, delta	ND	ND	60
HCH, gamma	0.3	0.5	60
Heptachlor	0.2	0.6	61
Heptachlor Epoxide	0.2	0.5	61
Hexachlorobenzene	0.1	0.2	61
Methoxychlor	ND	ND	60
Oxadiazon	ND	0.9	10
Parathion, ethyl	ND	ND	52
Parathion, methyl	ND	ND	52
PCB 1248	ND	14.7	86
PCB 1254	128.1	194.0	86
PCB 1260	ND	ND	86
Total PCB	132.0	194.0	86
PCT 5460	ND	ND	10
Pentachlorophenol	IS	IS	1
Phenol	IS	IS	0
Tetrachlorophenol	IS	IS	1
Tetradifon	ND	ND	51
Toxaphene	116.7	242.8	64
Tributyltin	IS	IS	5

ND = EDL lies below the detection limit.
IS = Insufficient number of samples to calculate an EDL.

TABLE 12

State Mussel Watch Program

EDL 85 and EDL 95 for Organic Chemicals in Resident Freshwater Clams (*Corbicula fluminea*)

Calculated Using 1977 - 1993 Data

(ppb, wet weight)

Chemical	EDL 85	EDL 95	Number of Samples
Aldrin	ND	ND	16
Chlordene, alpha	ND	ND	16
Chlordene, gamma	ND	ND	16
cis-Chlordane	1.6	3.6	16
cis-Nonachlor	ND	0.4	16
Oxychlordane	ND	ND	16
trans-Chlordane	1.4	3.0	16
trans-Nonachlor	0.9	4.1	16
Total Chlordane	4.5	10.6	16
Chlorbenside	ND	ND	15
Chlorpyrifos	ND	ND	16
Dacthal	2.3	3.3	16
DDD, o,p'	1.8	13.7	16
DDD, p,p'	7.9	51.9	16
DDE, o,p'	0.8	8.2	16
DDE, p,p'	14.9	139.7	16
DDMS, p,p'	ND	ND	16
DDMU, p,p'	1.2	6.6	16
DDT, o,p'	ND	ND	16
DDT, p,p'	3.0	48.1	16
Total DDT	26.9	290.0	16
Diazinon	ND	ND	15
Dichlorobenzophenone, p,p'	IS	IS	8
Dicofol	IS	IS	7
Dieldrin	1.2	1.5	16
Endosulfan I	ND	6.9	16
Endosulfan II	ND	ND	15
Endosulfan Sulfate	ND	ND	15
Total Endosulfan	ND	18.1	16
Endrin	ND	ND	16
Ethion	IS	IS	8
HCH, alpha	0.3	0.5	16
HCH, beta	ND	ND	16
HCH, delta	ND	ND	16
HCH, gamma	ND	0.4	16
Heptachlor	ND	ND	16
Heptachlor Epoxide	ND	ND	16
Hexachlorobenzene	0.3	0.5	16
Methoxychlor	ND	ND	16
Oxadiazon	IS	IS	1
Parathion, ethyl	ND	ND	15
Parathion, methyl	ND	ND	15
PCB 1248	ND	ND	18
PCB 1254	14.3	65.2	18
PCB 1260	ND	ND	18
Total PCB	14.3	65.2	18
PCT 5460	IS	IS	3
Pentachlorophenol	IS	IS	0
Phenol	IS	IS	0
Tetrachlorophenol	IS	IS	0
Tetradifon	ND	ND	15
Toxaphene	ND	ND	16
Tributyltin	IS	IS	0

ND = EDL lies below the detection limit.
IS = Insufficient number of samples to calculate an EDL.

TABLE 13

State Mussel Watch Program

EDL 85 and EDL 95 for Organic Chemicals in Transplanted Freshwater Clams (*Corbicula fluminea*)

Calculated Using 1977 - 1993 Data

(ppb, wet weight)

Chemical	EDL 85	EDL 95	Number of Samples
Aldrin	0.7	1.5	111
Chlordene, alpha	1.5	2.8	111
Chlordene, gamma	1.1	3.1	111
cis-Chlordane	13.0	26.7	111
cis-Nonachlor	2.8	12.2	111
Oxychlordane	0.7	1.7	111
trans-Chlordane	9.5	18.4	111
trans-Nonachlor	9.2	18.5	111
Total Chlordane	35.1	79.0	111
Chlorbenside	ND	ND	80
Chlorpyrifos	40.0	72.0	111
Dacthal	137.5	378.0	111
DDD, o,p'	46.0	120.6	111
DDD, p,p'	165.0	396.4	111
DDE, o,p'	9.2	20.8	111
DDE, p,p'	376.9	1019.8	111
DDMS, p,p'	ND	7.8	111
DDMU, p,p'	15.1	34.4	111
DDT, o,p'	41.9	126.2	111
DDT, p,p'	217.4	665.1	111
Total DDT	911.0	2493.7	111
Diazinon	ND	23.2	80
Dichlorobenzophenone, p,p'	ND	4.6	67
Dicofol	40.1	107.4	37
Dieldrin	110.4	196.9	111
Endosulfan I	22.7	190.5	111
Endosulfan II	24.9	111.4	94
Endosulfan Sulfate	37.8	88.3	94
Total Endosulfan	74.6	294.4	111
Endrin	17.0	29.3	111
Ethion	ND	ND	66
HCH, alpha	0.1	0.4	111
HCH, beta	ND	ND	107
HCH, delta	ND	ND	107
HCH, gamma	0.6	0.9	107
Heptachlor	ND	0.3	111
Heptachlor Epoxide	0.6	2.6	111
Hexachlorobenzene	1.3	2.9	111
Methoxychlor	ND	ND	107
Oxadiazon	26.2	61.6	44
Parathion, ethyl	ND	ND	76
Parathion, methyl	ND	ND	76
PCB 1248	4.1	13.4	111
PCB 1254	59.8	151.6	111
PCB 1260	ND	9.4	111
Total PCB	78.0	151.6	111
PCT 5460	ND	ND	41
Pentachlorophenol	IS	IS	0
Phenol	IS	IS	3
Tetrachlorophenol	IS	IS	0
Tetradifon	ND	ND	77
Toxaphene	603.2	2374.4	111
Tributyltin	IS	IS	0

ND = EDL lies below the detection limit.
IS = Insufficient number of samples to calculate an EDL.

4. LITERATURE CITED

(DFG) Department of Fish and Game. 1990. Laboratory Quality Assurance Program Plan (October 12, 1992 update). Environmental Services Division, California Department of Fish and Game. Sacramento, California.

Goldberg, E.D. 1980. The International Mussel Watch. National Academy of Sciences Publ., Washington, D.C.

Krahn, M.M., C.A. Wigren, R.W. Pearce, L.K. Moore, R.G. Bogar, W.D. MacLeod Jr., Sin-Lam Chan, and D. W. Brown. 1988. NOAA Technical Memorandum NMFS F/NWC-153: Standard Analytical Procedures of the NOAA National Analytical Facility, 1988. New HPLC Cleanup and Revised Extraction Procedure for Organic Contaminants. US. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, distributed by National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161.

McMahon B.M. 1990. Pesticide Analytical Manual Volume 1: Methods which detect multiple residues. Department of Health and Human Services. Food and Drug Administration, HFF-426, 200 C Street SW, Washington, DC 20204.

(NAS) National Academy of Sciences-National Academy of Engineering. 1973. Water Quality Criteria 1972 (Blue Book). EPA Ecological Research Series. EPA-R3-73-033. U.S. Environmental Protection Agency, Washington, D.C.

Nauen, C.E. 1983. Compilation of Legal Limits for Hazardous Substances in Fish and Fishery Products, Circular No. 764. FIRI/C764, Food and Agricultural Organization of the United Nations.

Newman, J.W., J.D. Philips, and D.L. Holstad. 1994. Quality Assurance Report for the Analysis of Marine Bivalve Tissue and Sediment for Organic Contaminants in the Caslifornia State Mussel Watch Program 1987-1993. Trace Organics Facility, University of California, Santa Cruz, Santa Cruz, California.

Phillips, D.J.H. 1980. Quantitative Aquatic Biological Indicators. Applied Science Publishers Ltd, Ripple Road, Barking, Essex, England. Pages 38-90.

Risebrough, R.W., B.W. deLappe, E.F. Letterman, J.L. Lane, M. Firestone-Gilles, A.M. Springer, and W. Walker II. 1980. California State Mussel Watch 1977-1978. Volume III. Organic Pollutants in Mussels, *Mytilus californianus* and *Mytilus edulis*, along the California Coast. Water Quality Monitoring Report No. 79-22 . State Water Resources Control Board, California Environmental Protection Agency, Sacramento, California.

LITERATURE CITED (continued)

Shulz, D.E., G. Petrick, and J.C. Duinker. 1989. Complete characterization of polychlorinated biphenyl congeners in commercial Aroclor and Clophen mixtures by multidimensional gas chromatography-electron capture detection. Environmental Science and Technology. 23:852-859.

(SWRCB) State Water Resources Control Board. 1991. Draft Supplement Functional Equivalent Document - Development of Statewide Water Quality Control Plans: (1). Inland Surface Waters of California and (2). Enclosed Bays and Estuaries of California. April 9, 1991. State Water Resources Control Board, California Environmental Protection Agency, Sacramento, California.

(SWRCB) State Water Resources Control Board. 1990a. California Ocean Plan - Water Quality Control Plan, Ocean Waters of California. March 22, 1990. State Water Resources Control Board, California Environmental Protection Agency, Sacramento, California.

(SWRCB) State Water Resources Control Board. 1990b. Draft Functional Equivalent Document - Development of Water Quality Plans For: Inland Surface Waters of California and Enclosed Bays and Estuaries of California. November 26, 1990. State Water Resources Control Board, California Environmental Protection Agency, Sacramento, California.

Stephenson, M.D., S.L. Coale, M. Martin, and J. H. Martin. 1980. California State Mussel Watch 1979-1980. Trace metal concentrations in the California mussel, *Mytilus californianus*, and the Bay Mussel, *Mytilus edulis*, along the California coast and selected harbors and bays. Water Quality Monitoring Report No. 79-22. State Water Resources Control Board, California Environmental Protection Agency, Sacramento, California

Stephenson, M.D., D. Smith, G. Ichikawa, J. Goetzl, W. Laurendine, and M. Martin. 1987. State Mussel Watch Program Preliminary Data Report 1986-1987. California Department of Fish and Game, Monterey, California

Stout, V.F. and F.L. Beezhold. 1981. Chlorinated hydrocarbon levels in fishes and shellfishes of the northeastern Pacific Ocean including the Hawaiian Islands. Mar. Fish. Rev. 43:1:1-12.

(USEPA) U.S. Environmental Protection Agency. 1991. "Draft" Assessment and Control of Bioconcentratable Contaminants in Surface Waters. March 1991. Office of Water, U.S. EPA, Washington, D.C.

(USEPA) U.S. Environmental Protection Agency. 1985. Ambient Water Quality Criteria for Mercury. EPA 440/5-84-026. U.S. EPA, Office of Water Regulations and Standards, Washington, D.C.

LITERATURE CITED (continued)

(USEPA) U.S. Environmental Protection Agency. 1980. Ambient Water Quality Criteria for Aldrin/Dieldrin. EPA 440/5-80-019. U.S. EPA, Office of Water Regulations and Standards, Washington, D.C.

(USFDA) U.S. Food and Drug Administration, Bureau of Foods. 1985. Action Levels for Poisonous or Deleterious Substances in Human Food and Animal Feed. USFDA, Washington, D.C.

APPENDIX A
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

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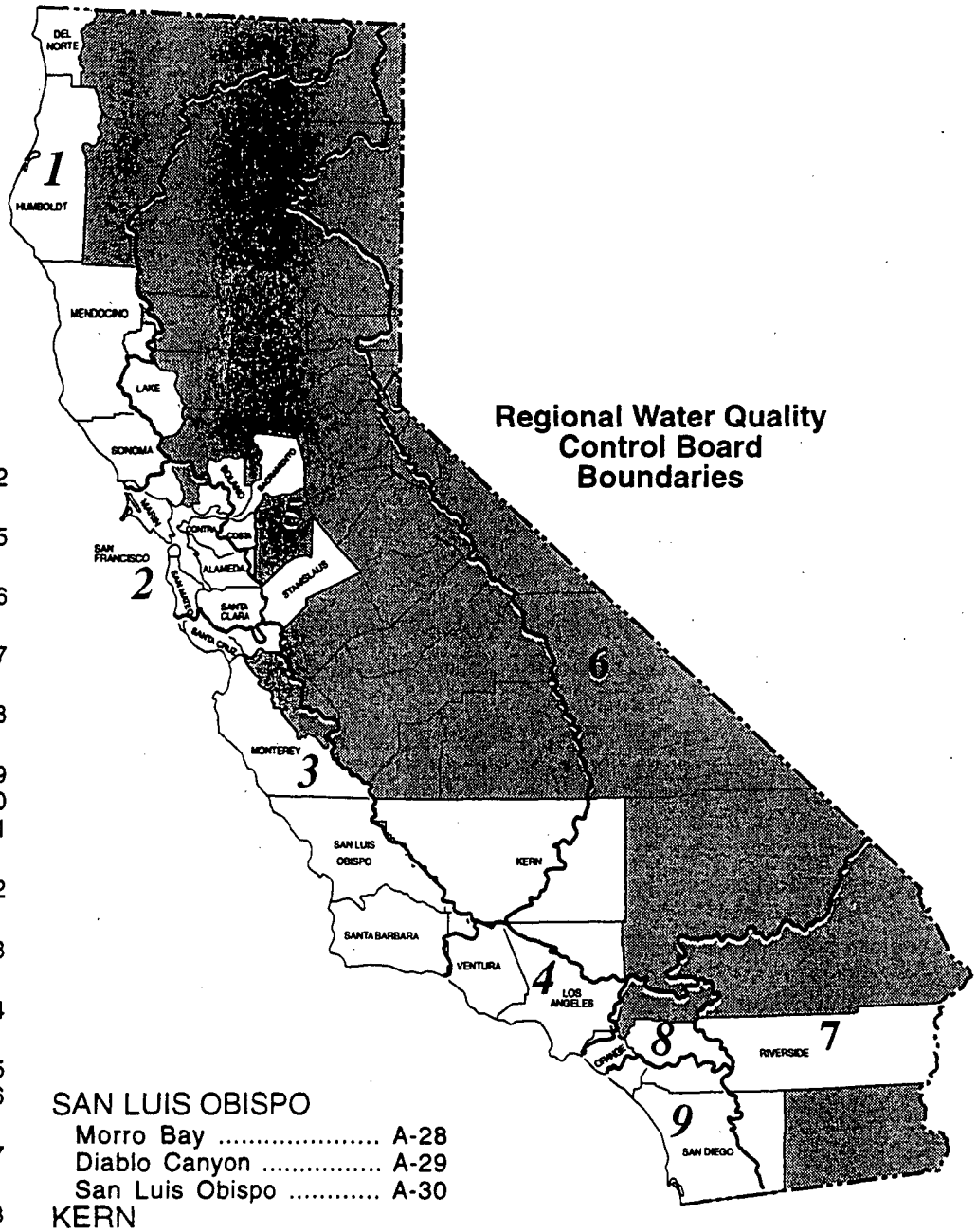

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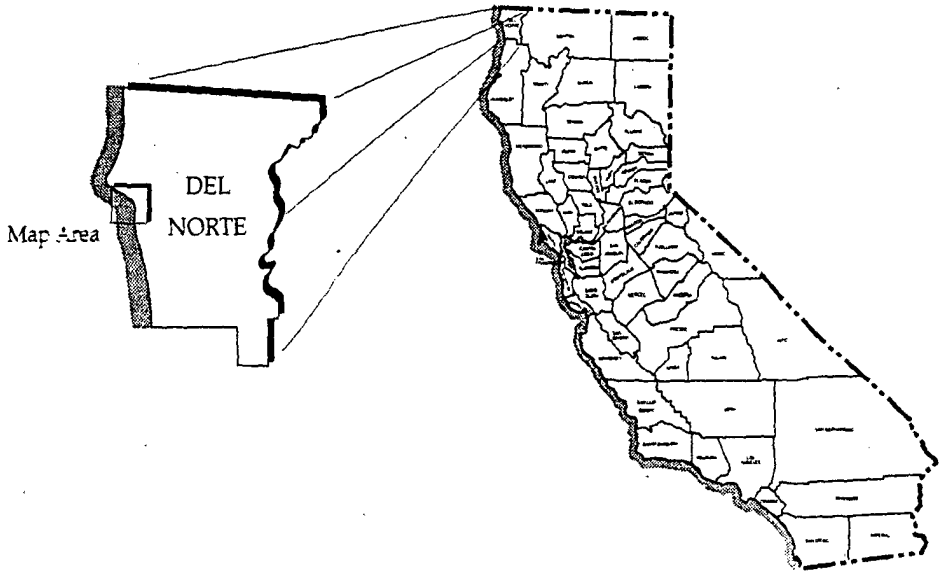
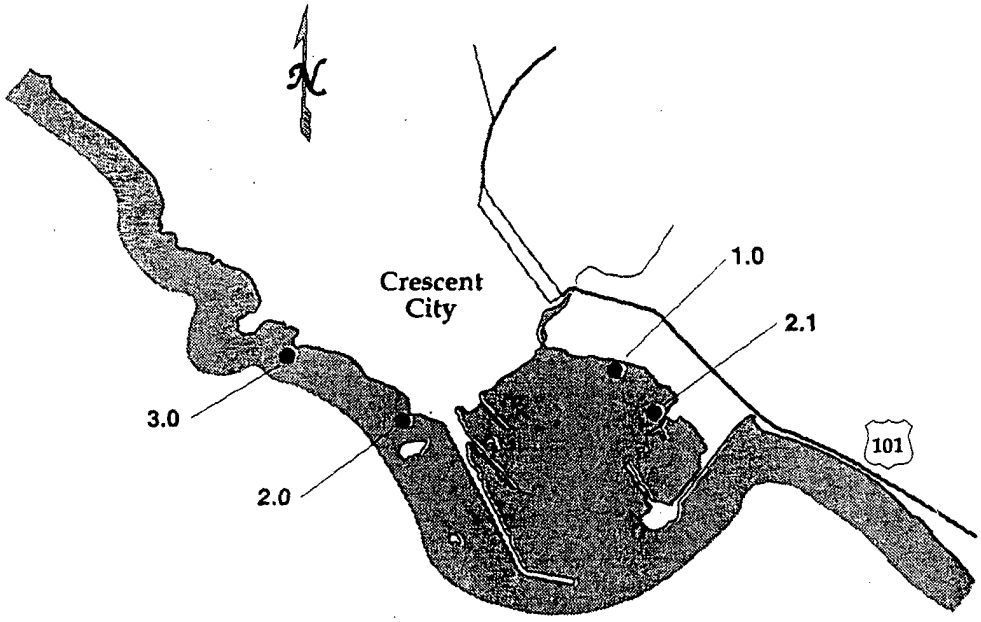
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Del Norte Co. - Crescent City Area

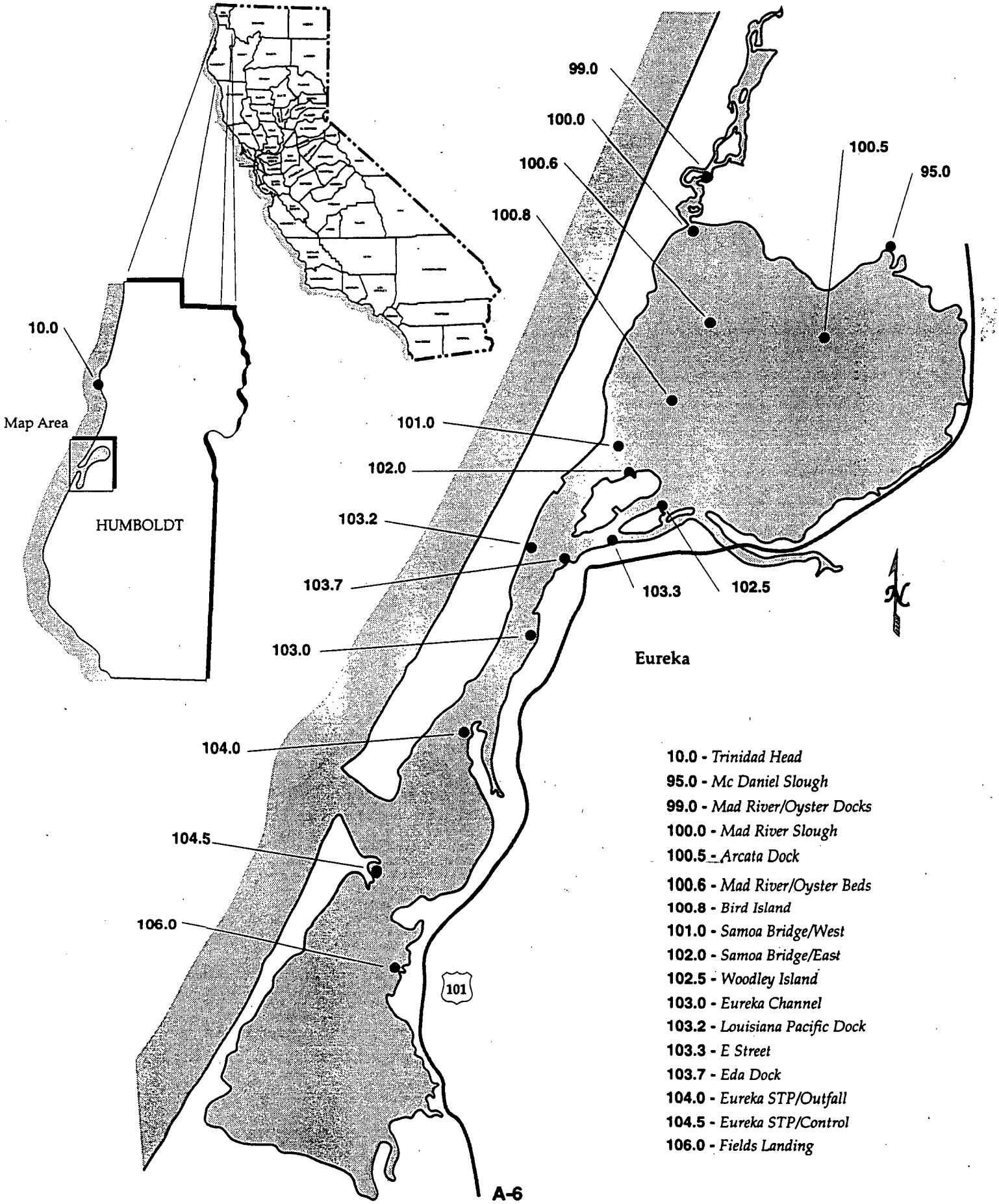




1.0 - *Crescent City Harbor*
2.0 - *Crescent City / STP Outfall*
2.1 - *Crescent City / Harbor Jetty*
3.0 - *Crescent City / Control*

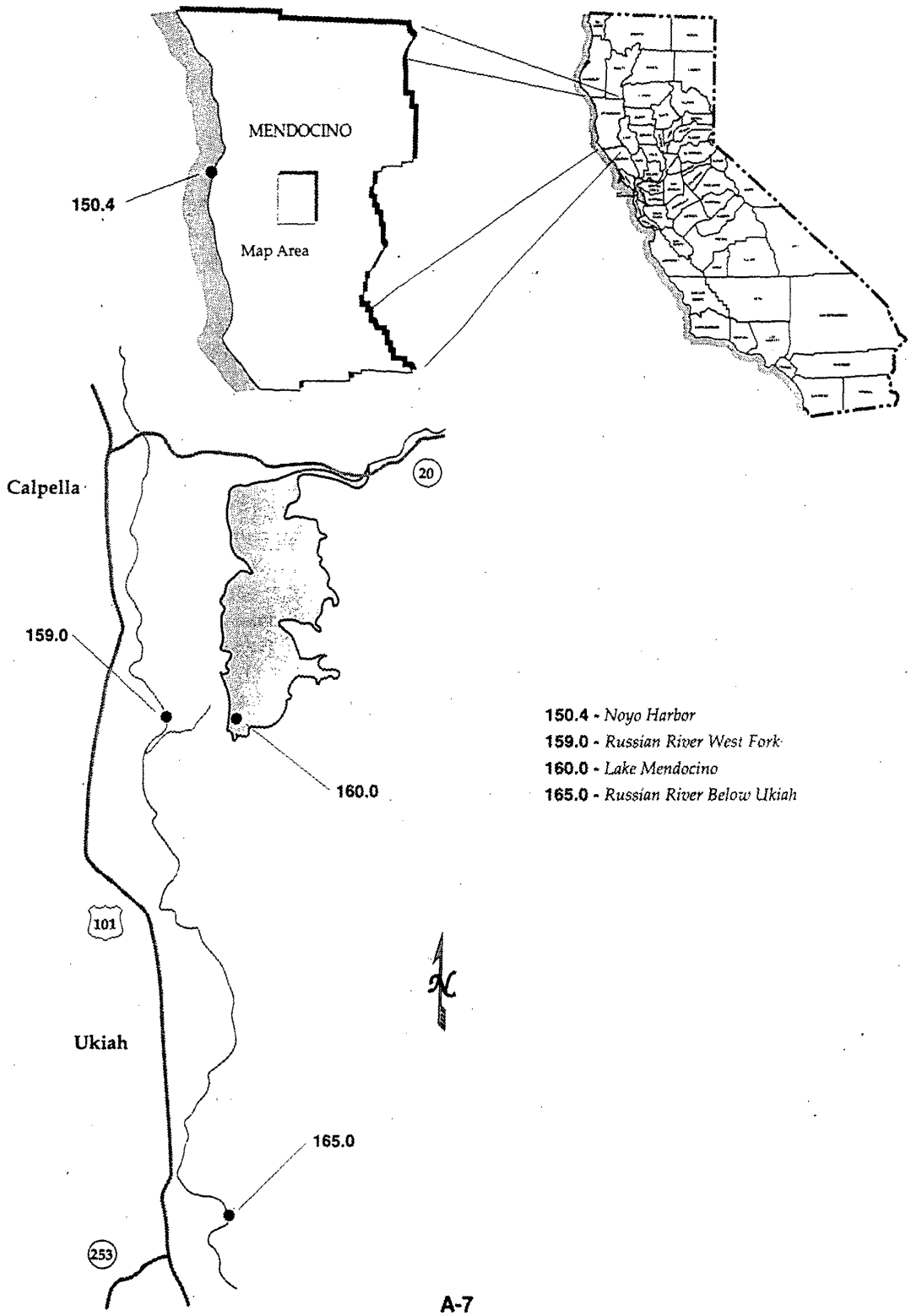
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Humboldt Co. - Eureka Area



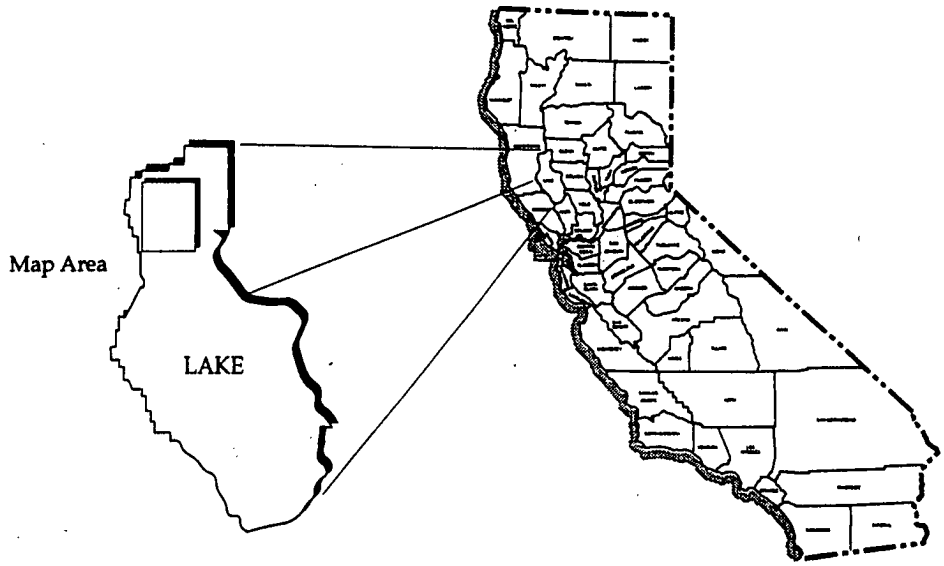
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

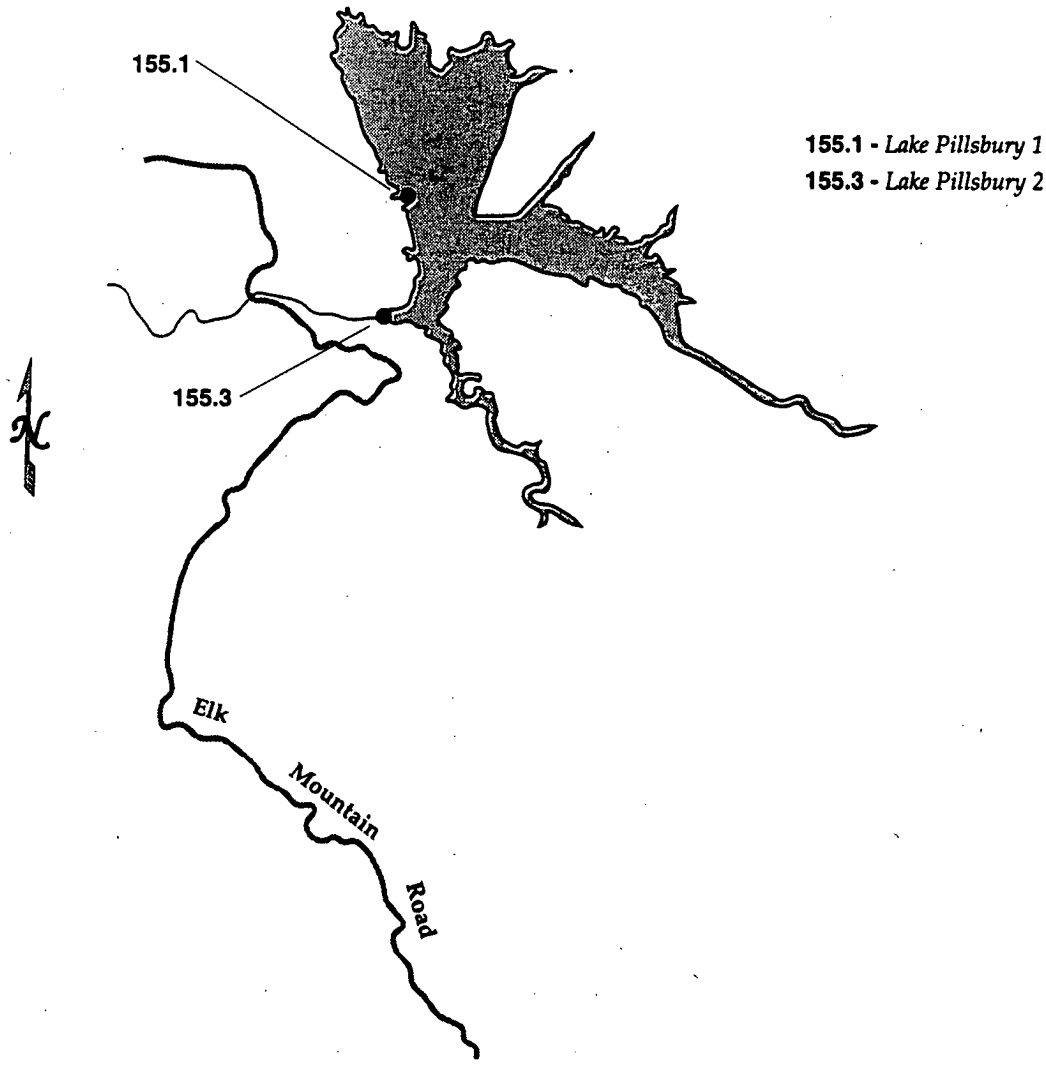
Mendocino Co. - Ukiah Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

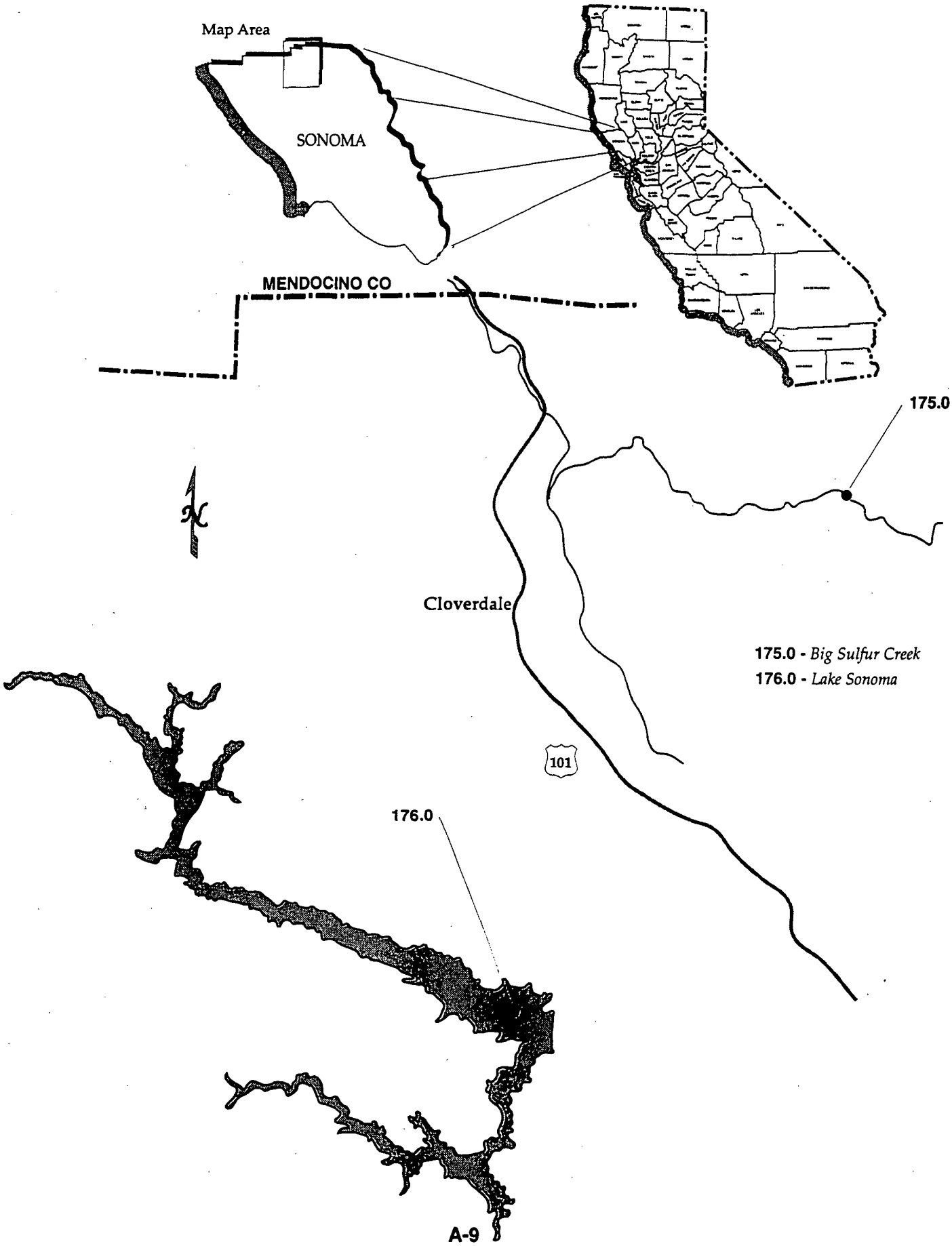
Lake Co. - Lake Pillsbury Area





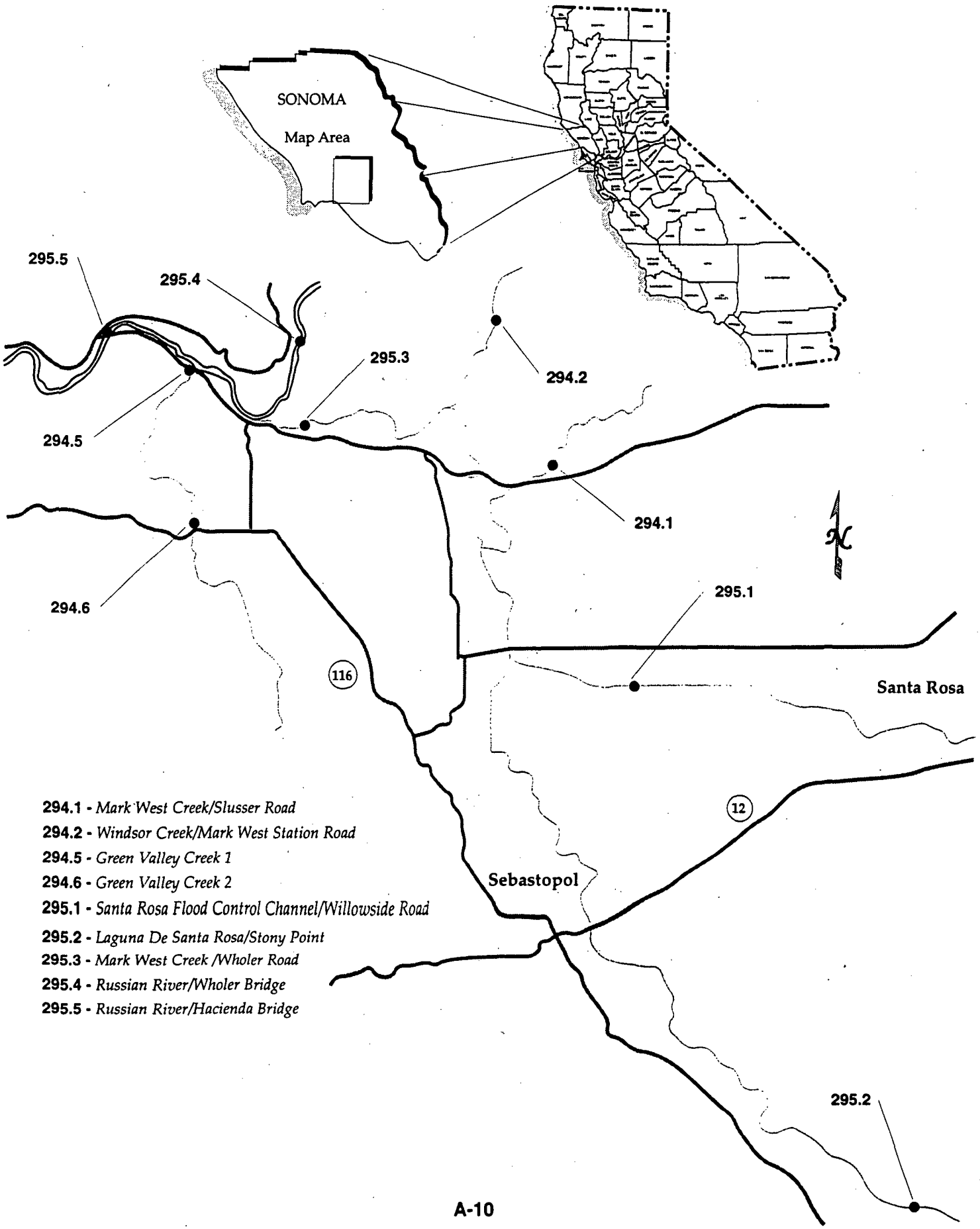
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Sonoma Co. - Cloverdale Area



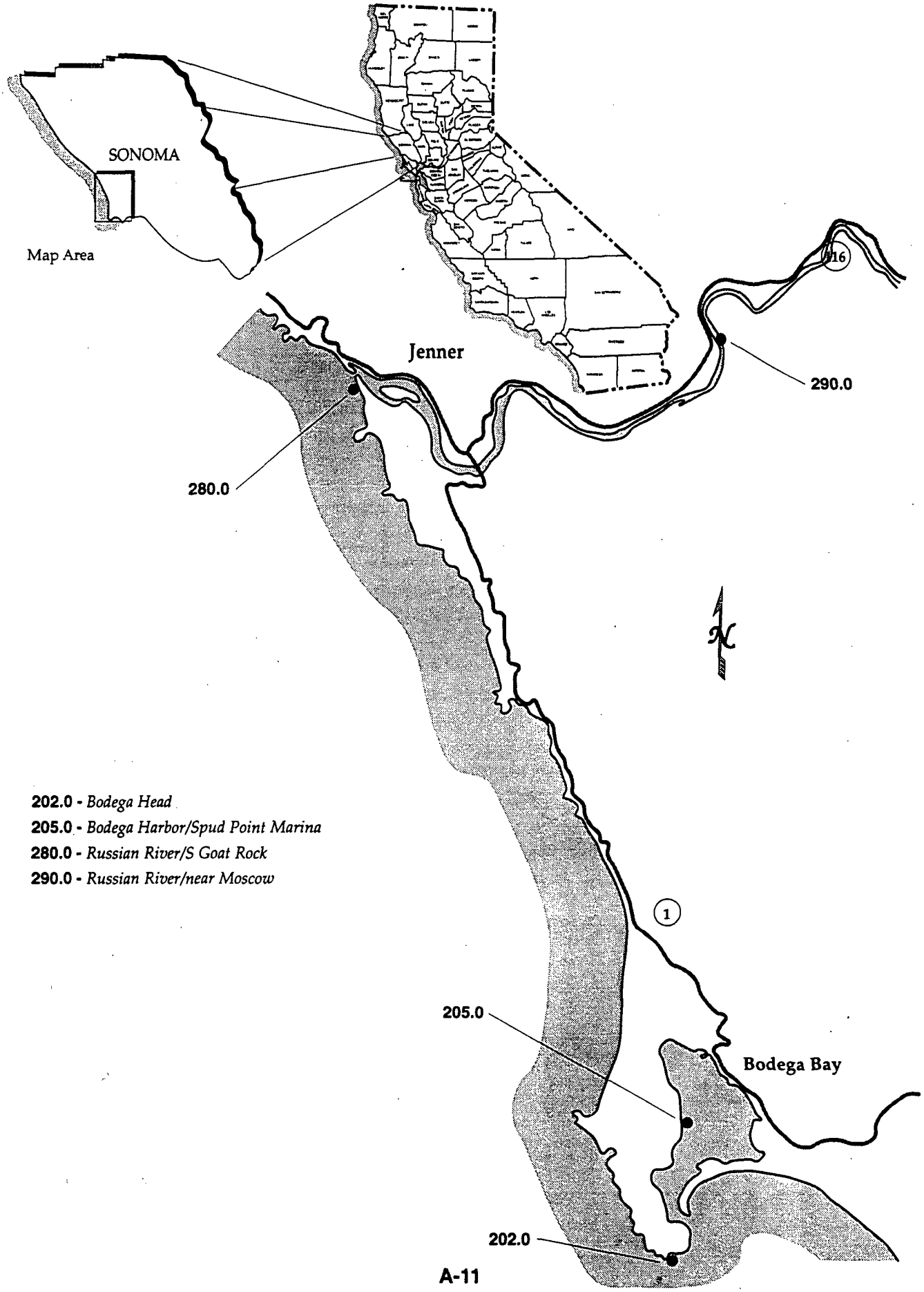
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Sonoma Co. - Sebastopol Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

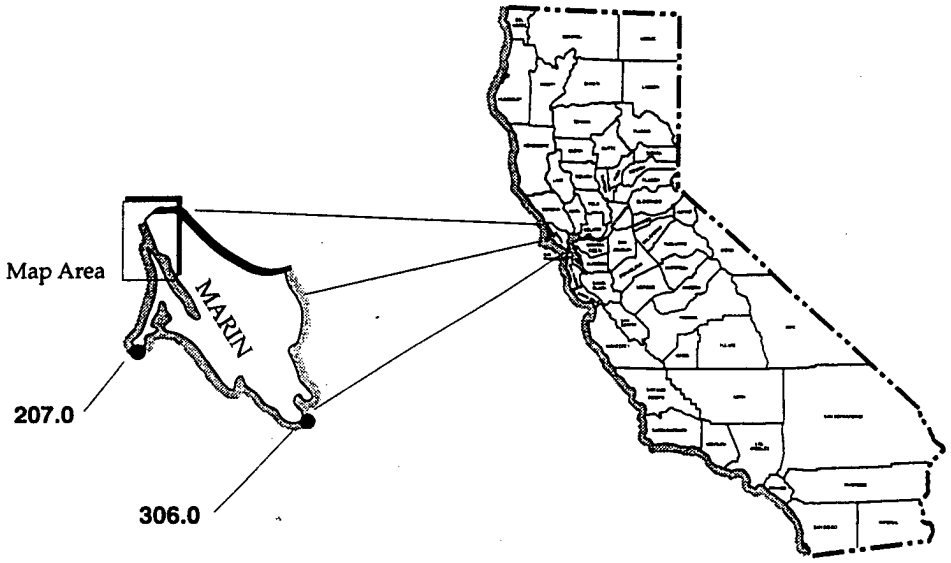
Sonoma Co. - Jenner Area

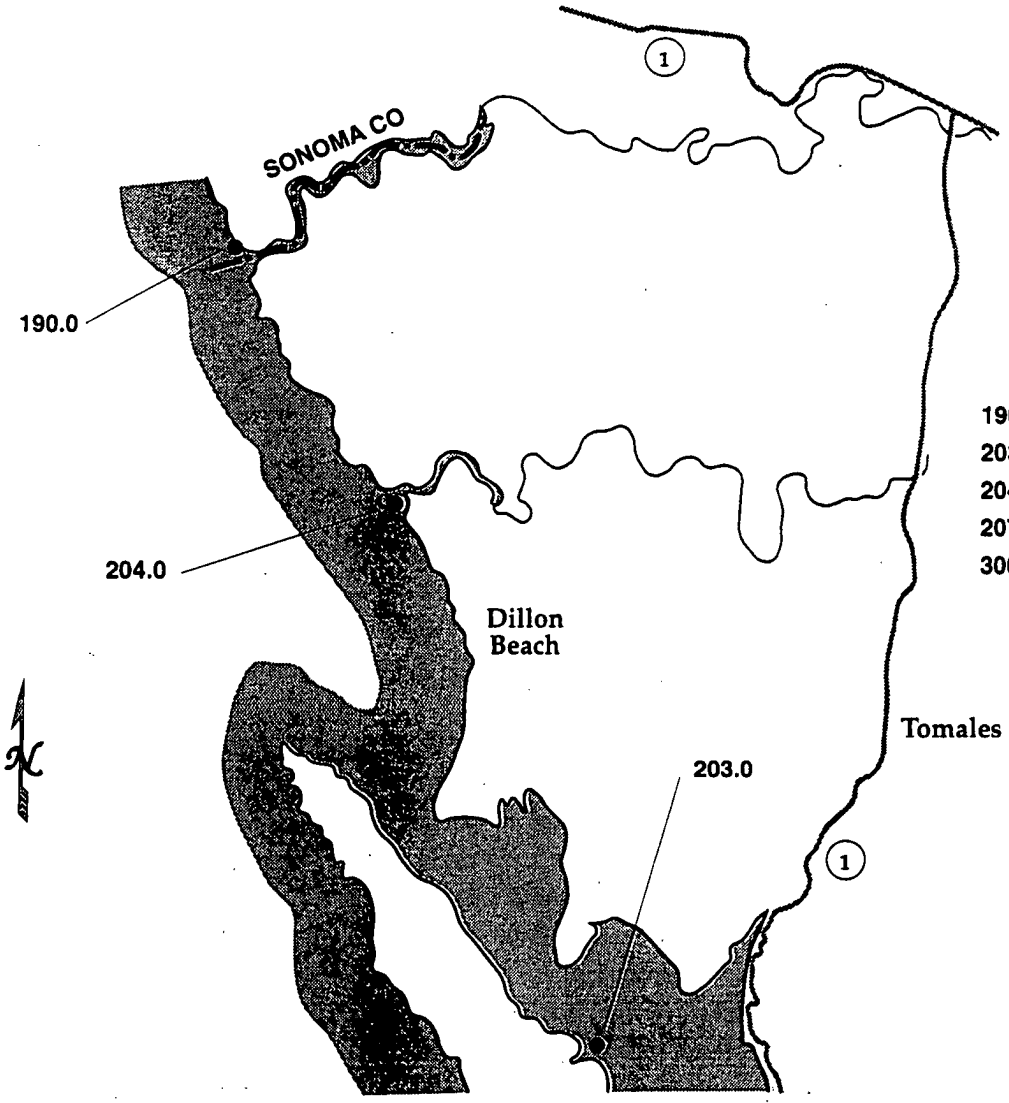


202.0 - *Bodega Head*
205.0 - *Bodega Harbor/Spud Point Marina*
280.0 - *Russian River/S Goat Rock*
290.0 - *Russian River/near Moscow*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Marin Co. - Tomales Area

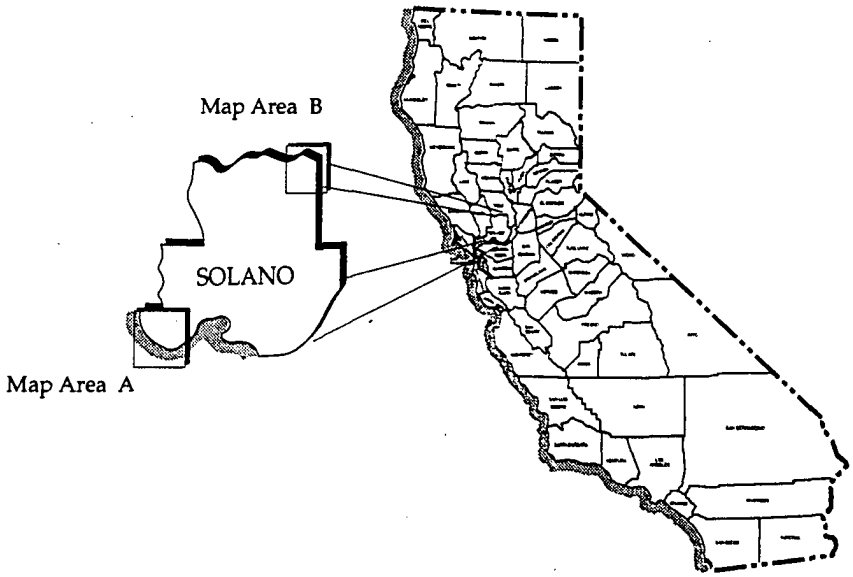




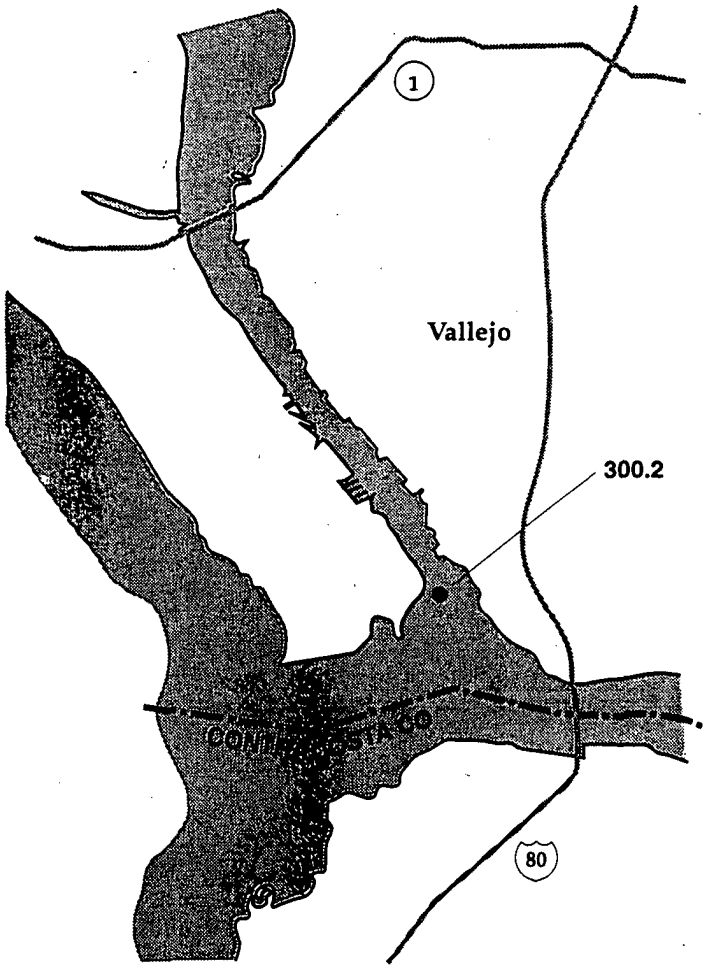
190.0 - *Estero Americano*
203.0 - *Tomales Bay*
204.0 - *Estero de San Antonio*
207.0 - *Point Reyes*
306.0 - *San Francisco Bay/Fort Baker*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

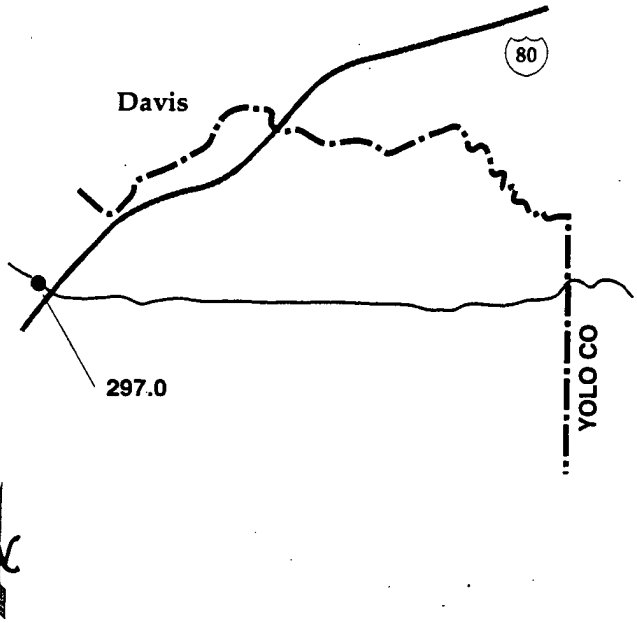
Solano Co. - Vallejo/Davis Area



Map A



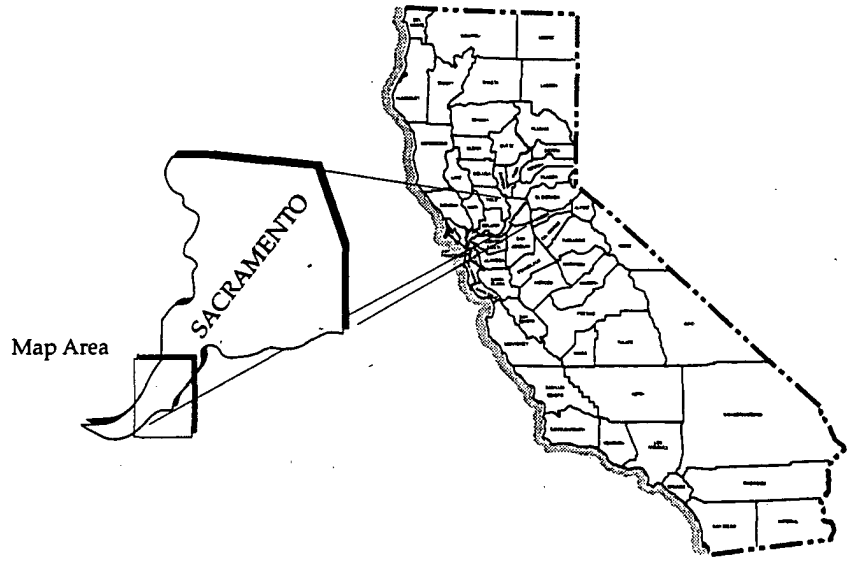
Map B

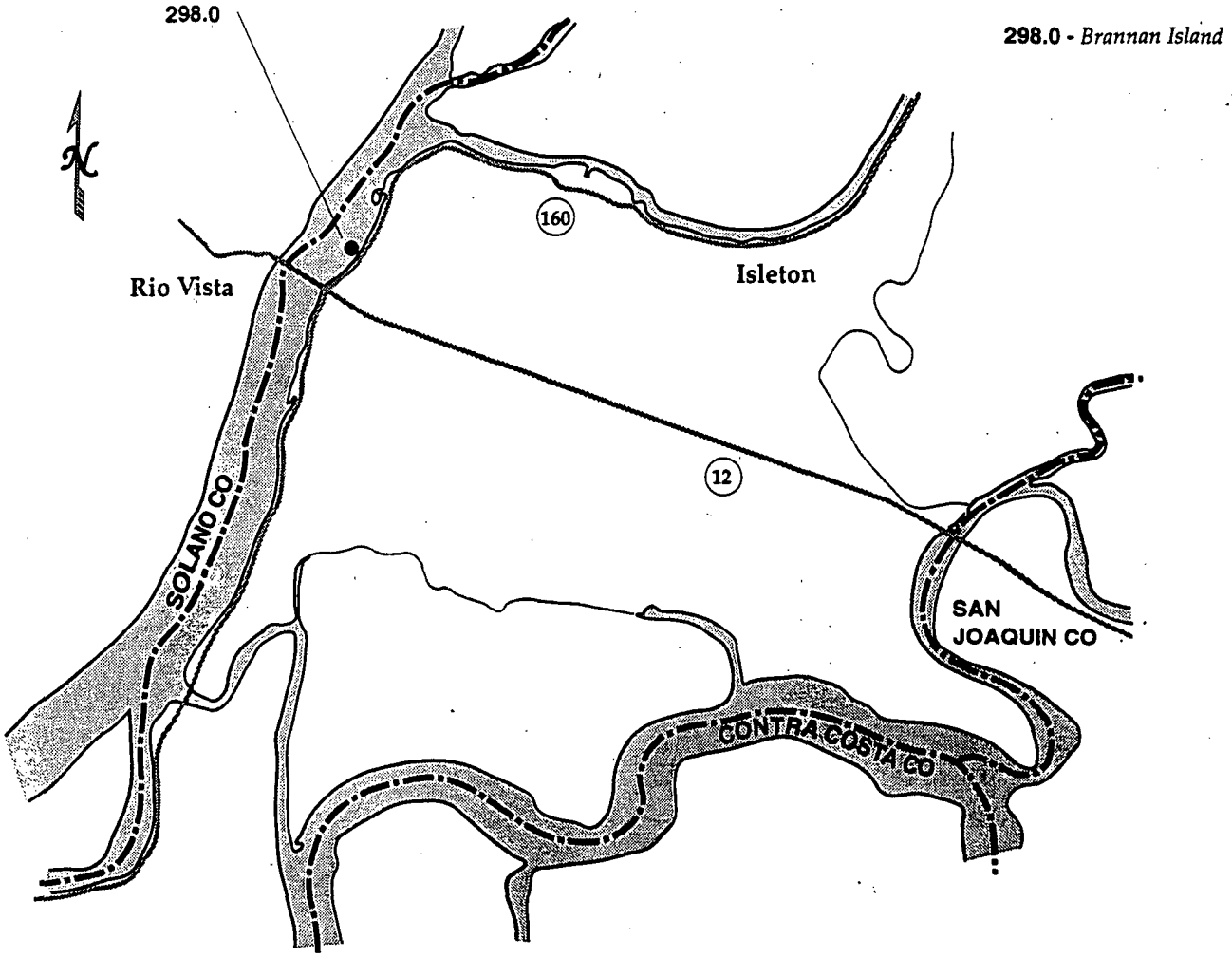


297.0 - *Putah Creek*
300.2 - *Mare Island*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

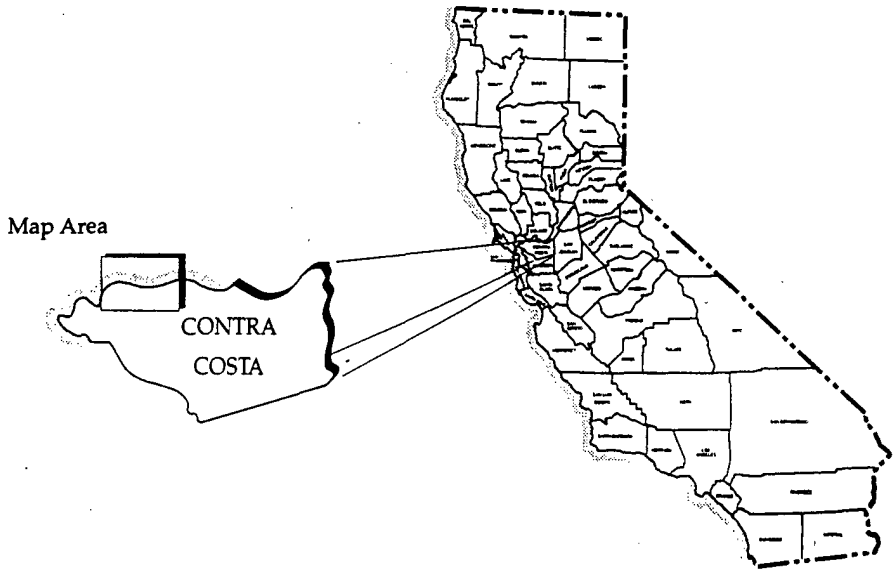
Sacramento Co. - Brannan Island Area



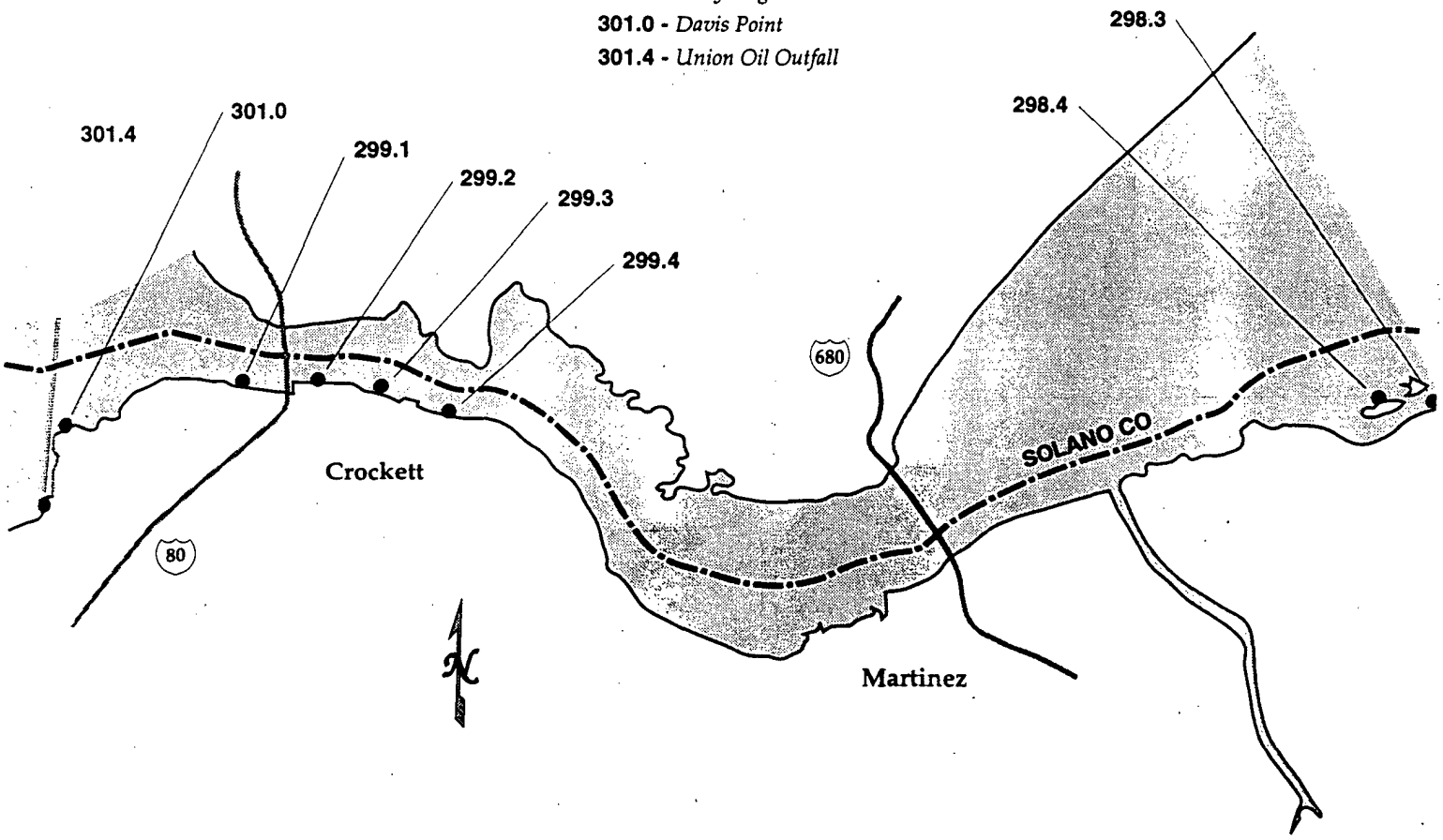


STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Contra Costa Co. - Martinez Area

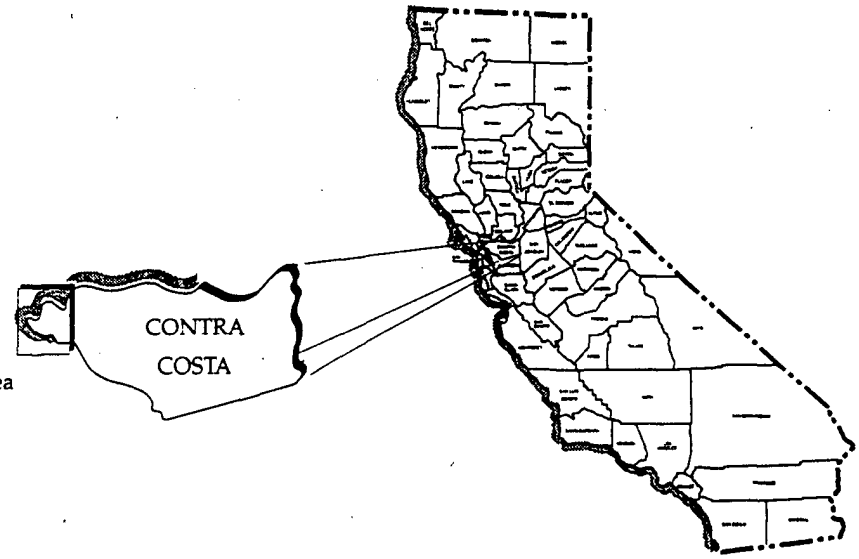


298.3 - *Concord Naval/Pier 4*
298.4 - *Concord Naval/Seal Island*
299.1 - *Selby Slag 4*
299.2 - *Selby Slag 5*
299.3 - *Selby Slag 6*
299.4 - *Selby Slag 7*
301.0 - *Davis Point*
301.4 - *Union Oil Outfall*

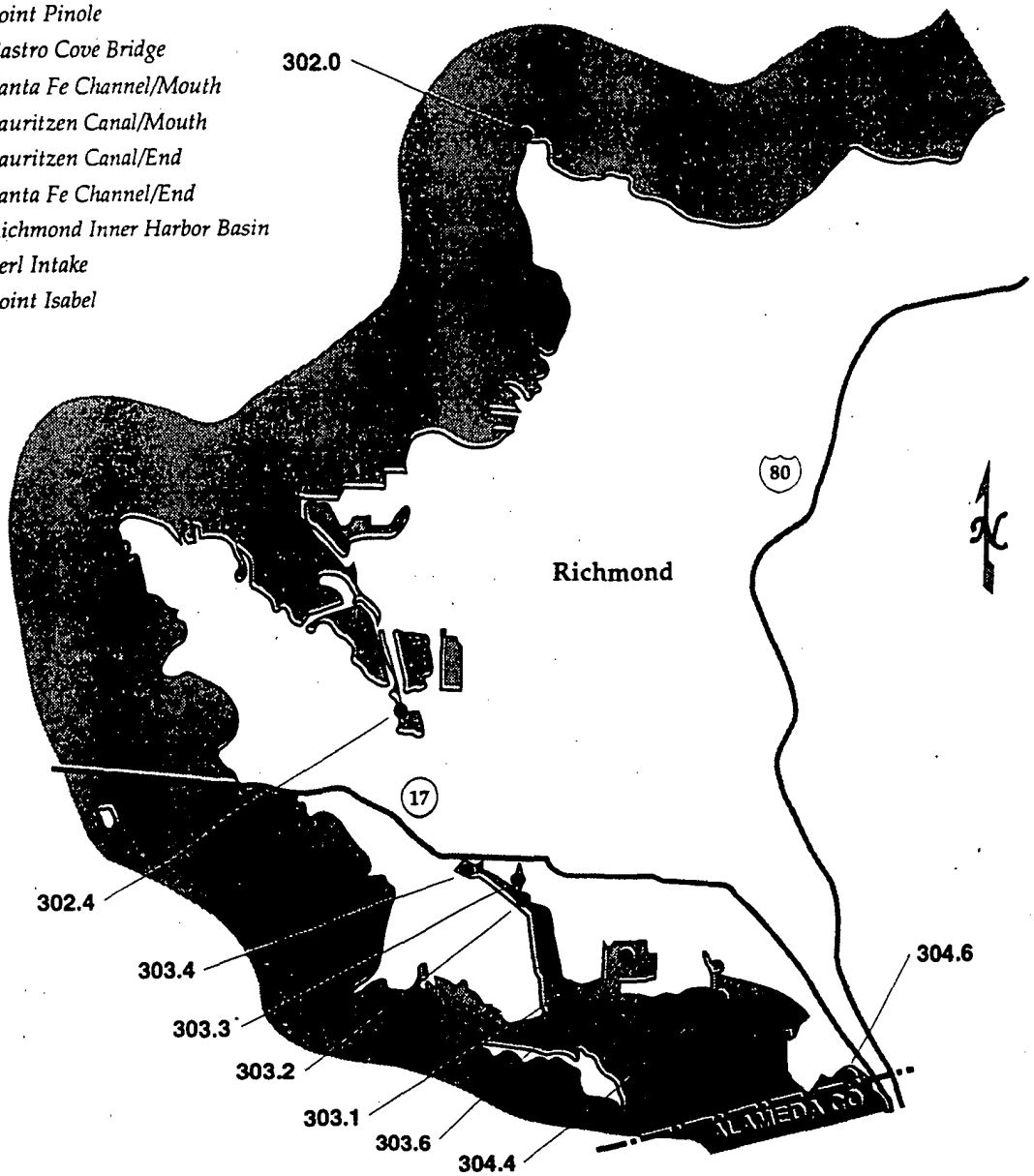


STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Contra Costa Co. - Richmond Area

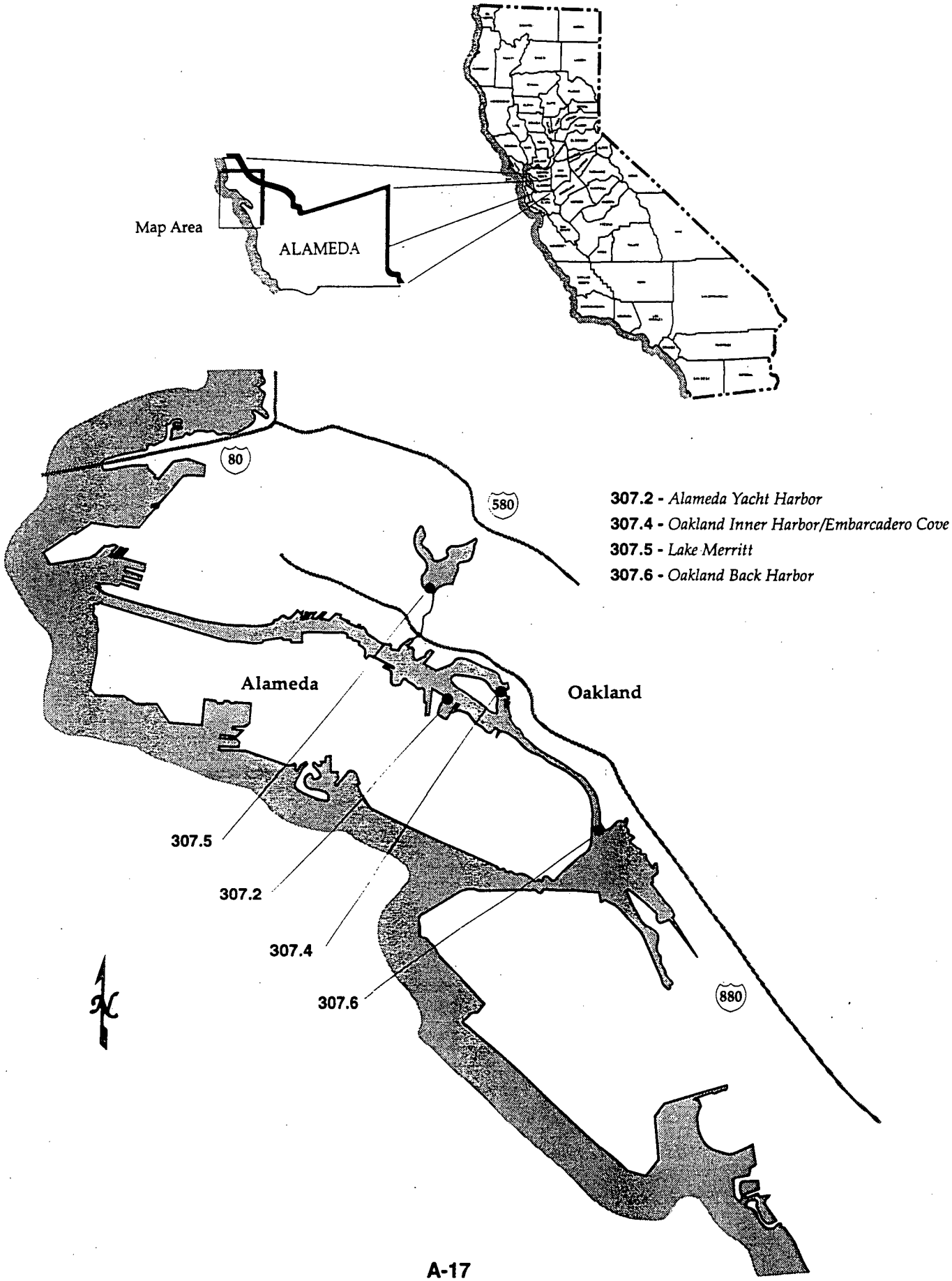


302.0 - *Point Pinole*
302.4 - *Castro Cove Bridge*
303.1 - *Santa Fe Channel/Mouth*
303.2 - *Lauritzen Canal/Mouth*
303.3 - *Lauritzen Canal/End*
303.4 - *Santa Fe Channel/End*
303.6 - *Richmond Inner Harbor Basin*
304.4 - *Serl Intake*
304.6 - *Point Isabel*



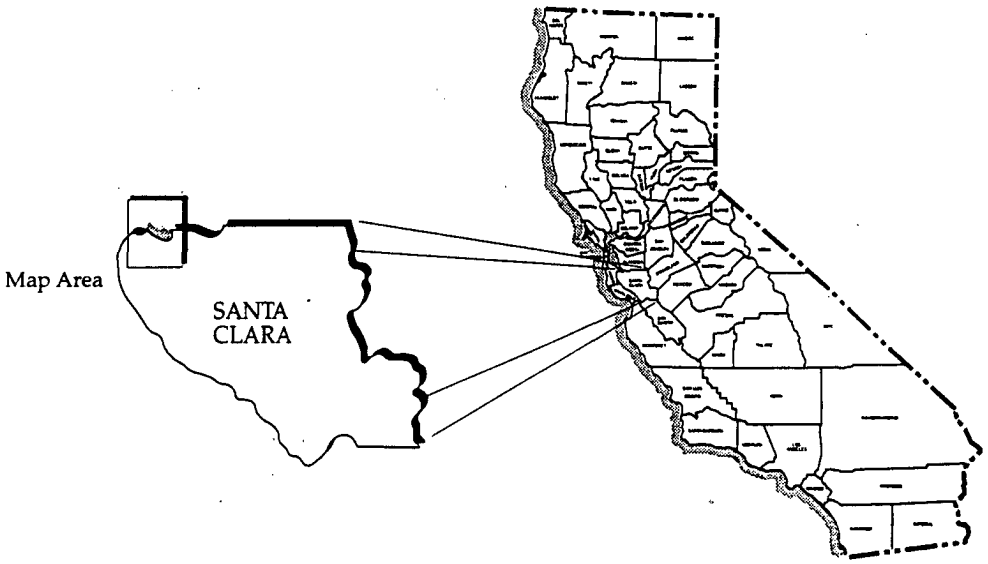
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Alameda Co. - Alameda Area

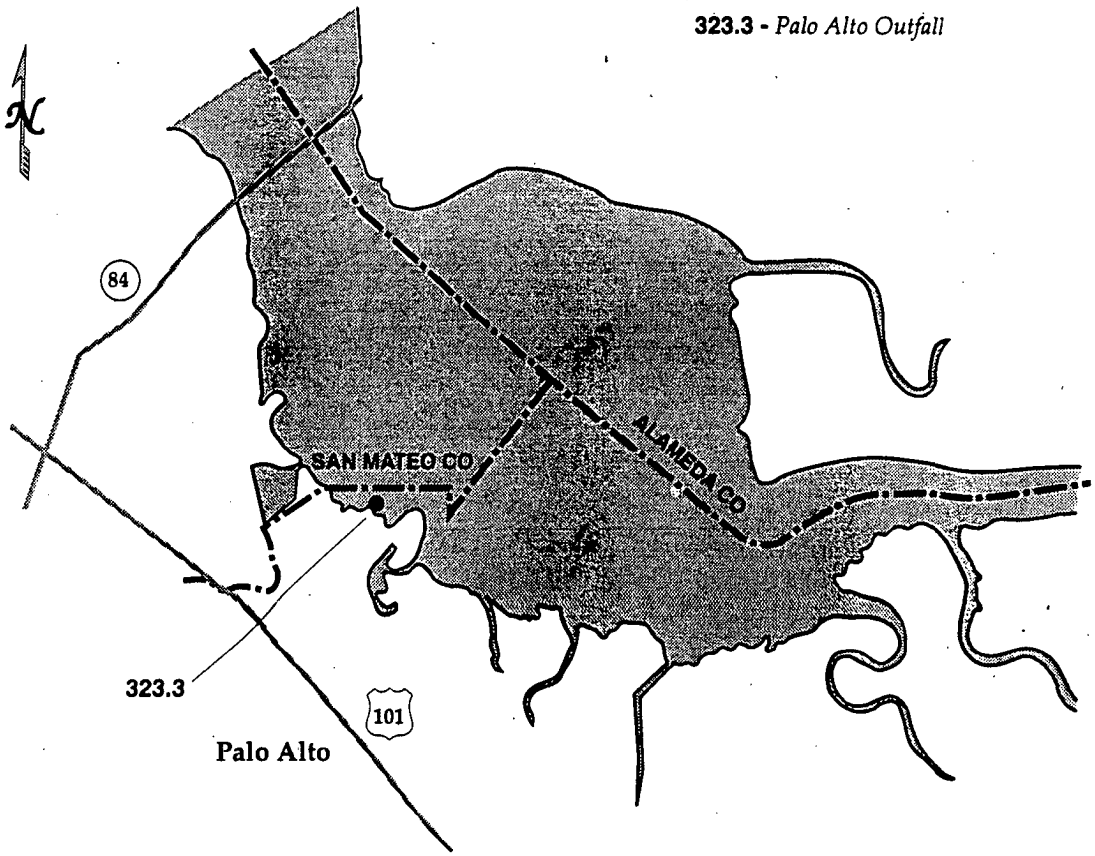


STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Santa Clara Co. - Palo Alto Area

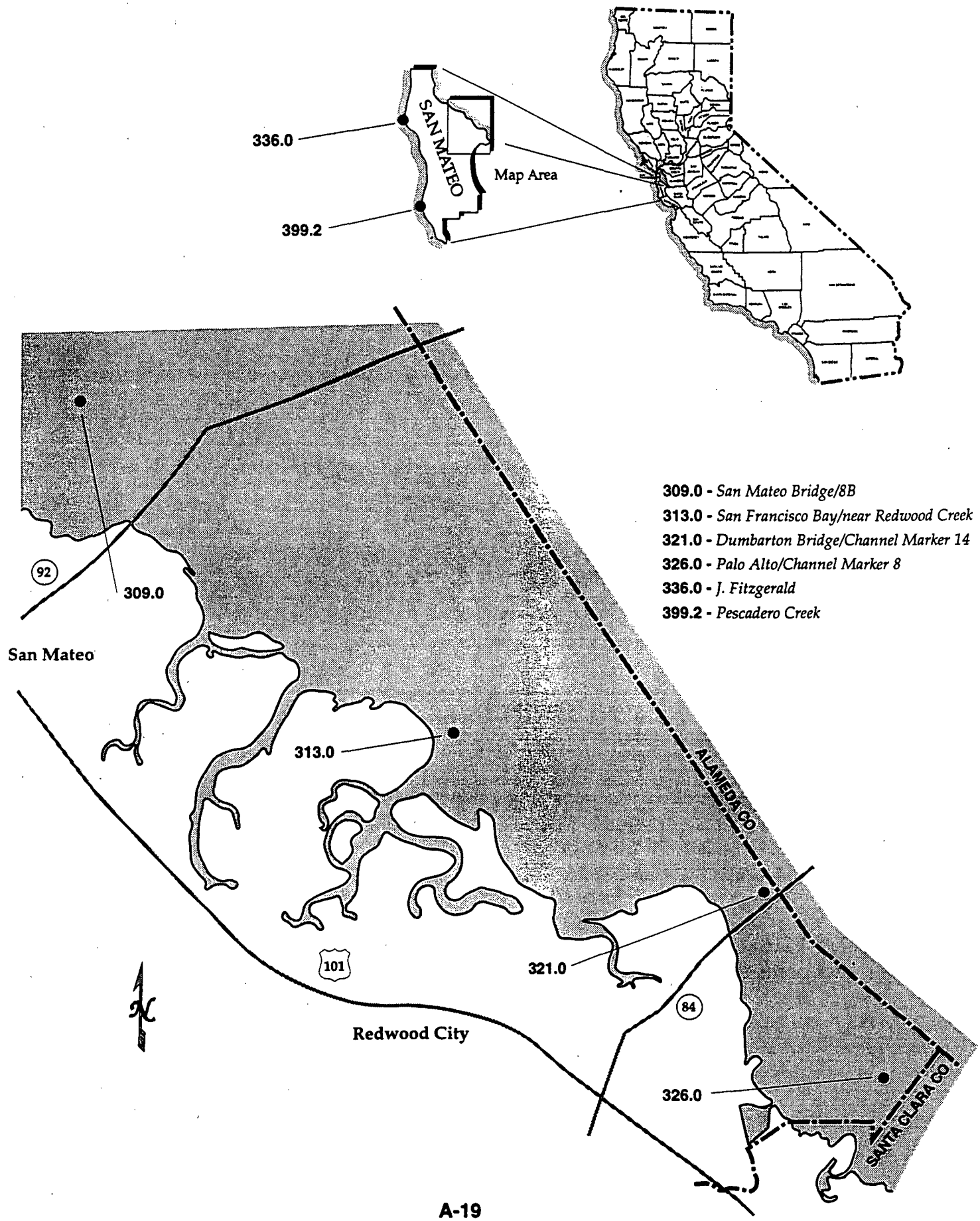


323.3 - *Palo Alto Outfall*



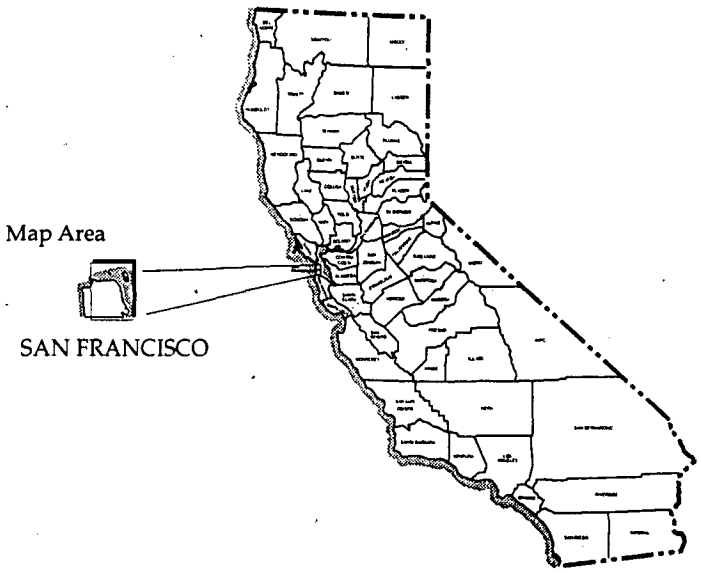
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

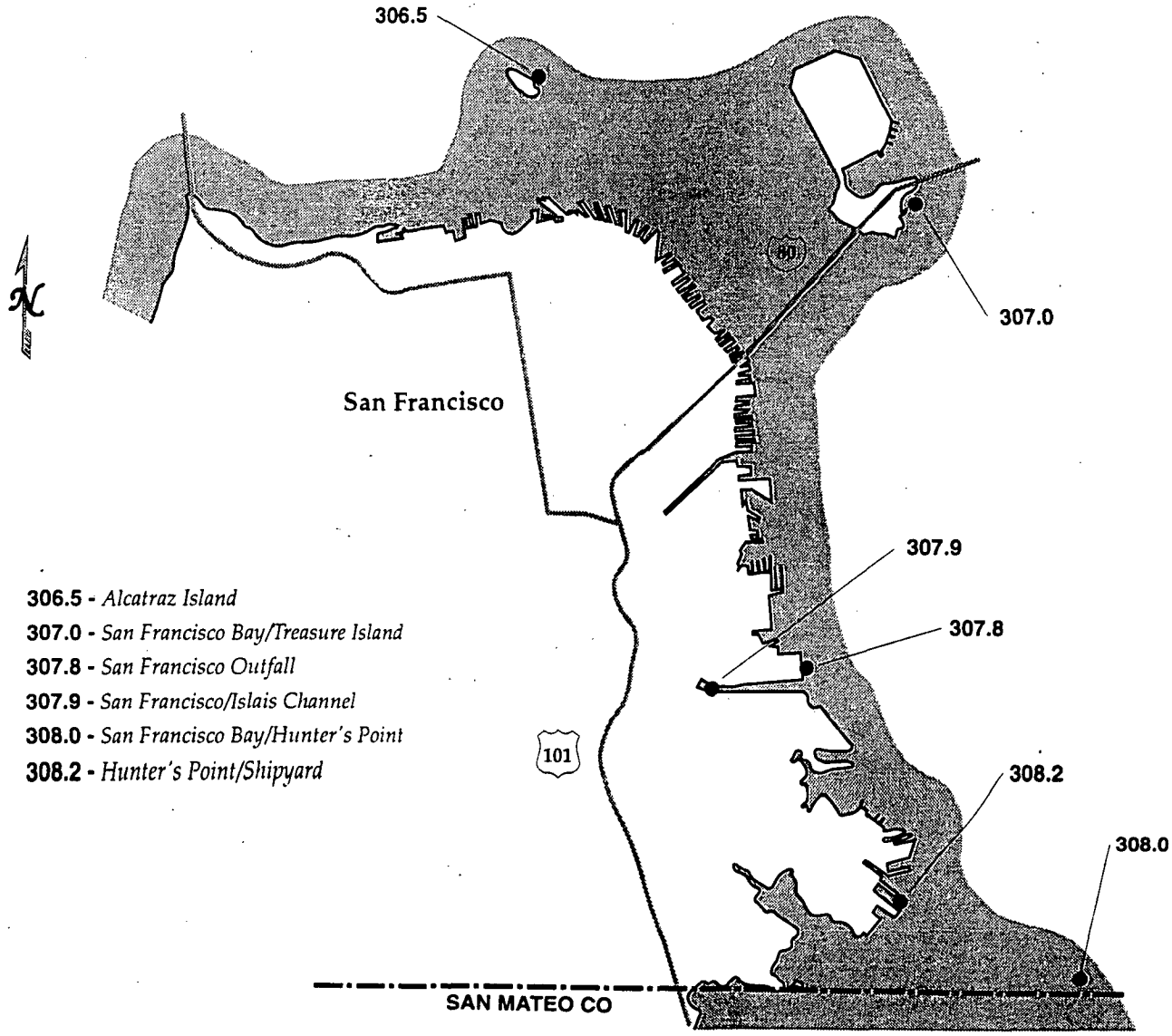
San Mateo Co. - Redwood City Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

San Francisco Co. - San Francisco Area

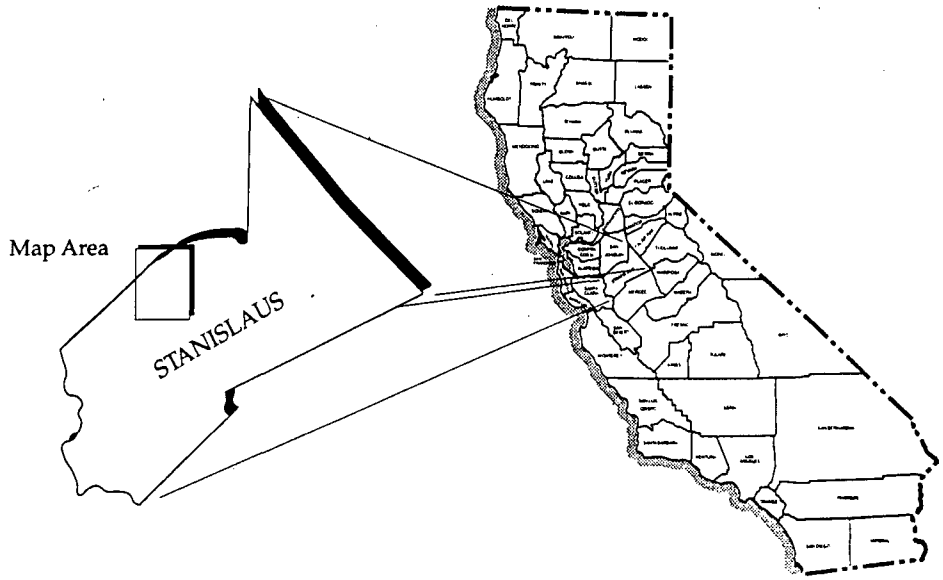


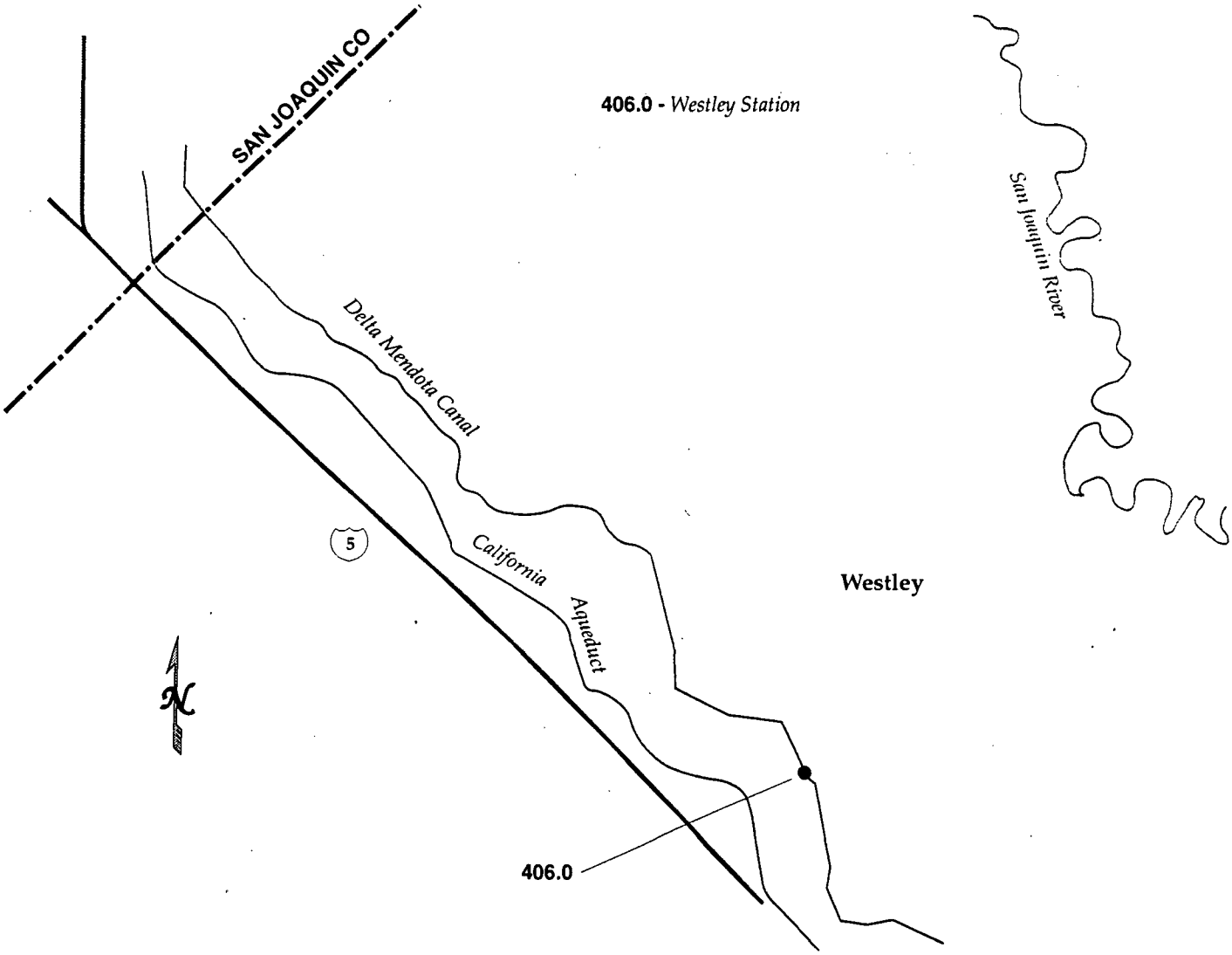


306.5 - *Alcatraz Island*
307.0 - *San Francisco Bay/Treasure Island*
307.8 - *San Francisco Outfall*
307.9 - *San Francisco/Islais Channel*
308.0 - *San Francisco Bay/Hunter's Point*
308.2 - *Hunter's Point/Shipyard*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

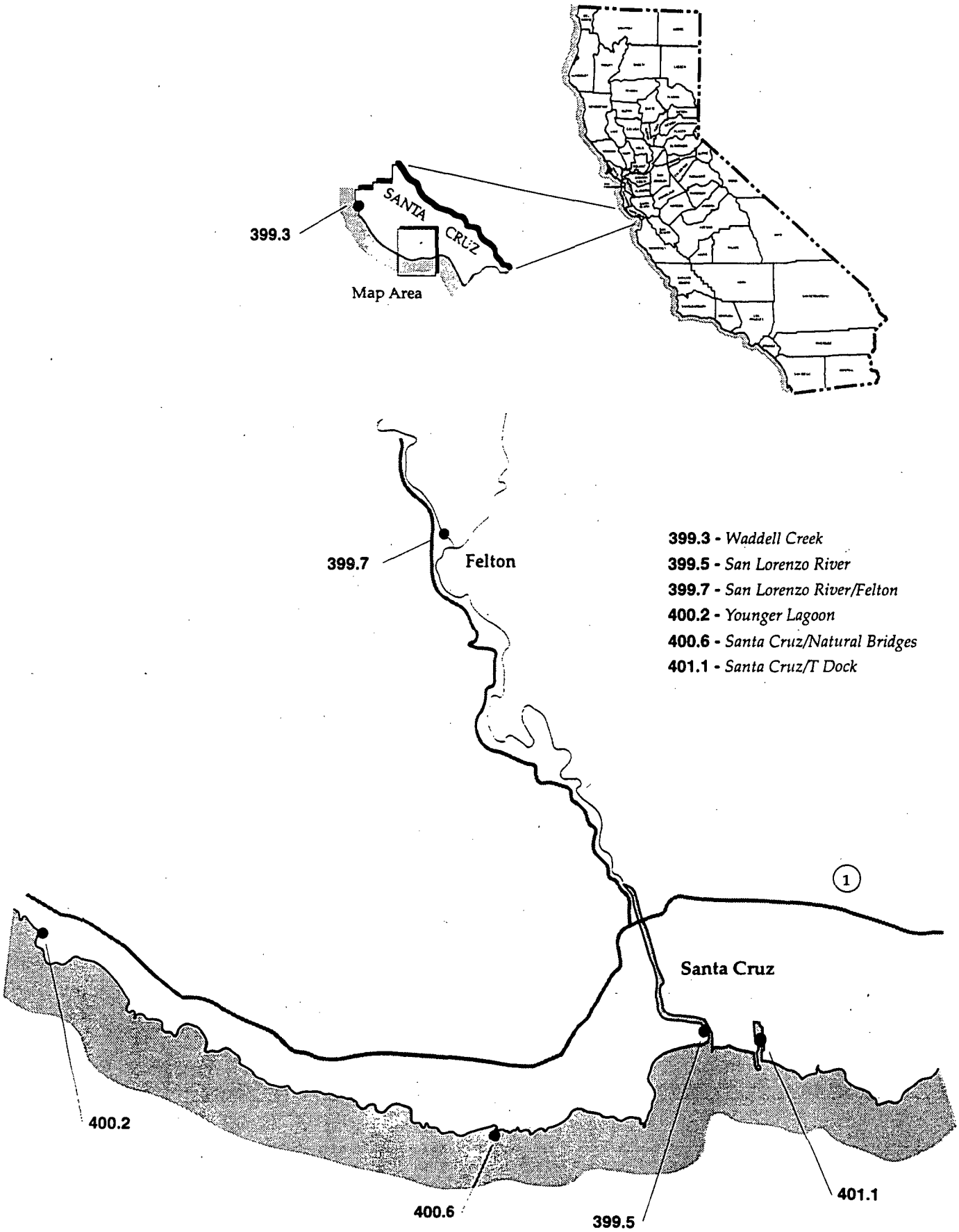
Stanislaus Co. - Westley Area





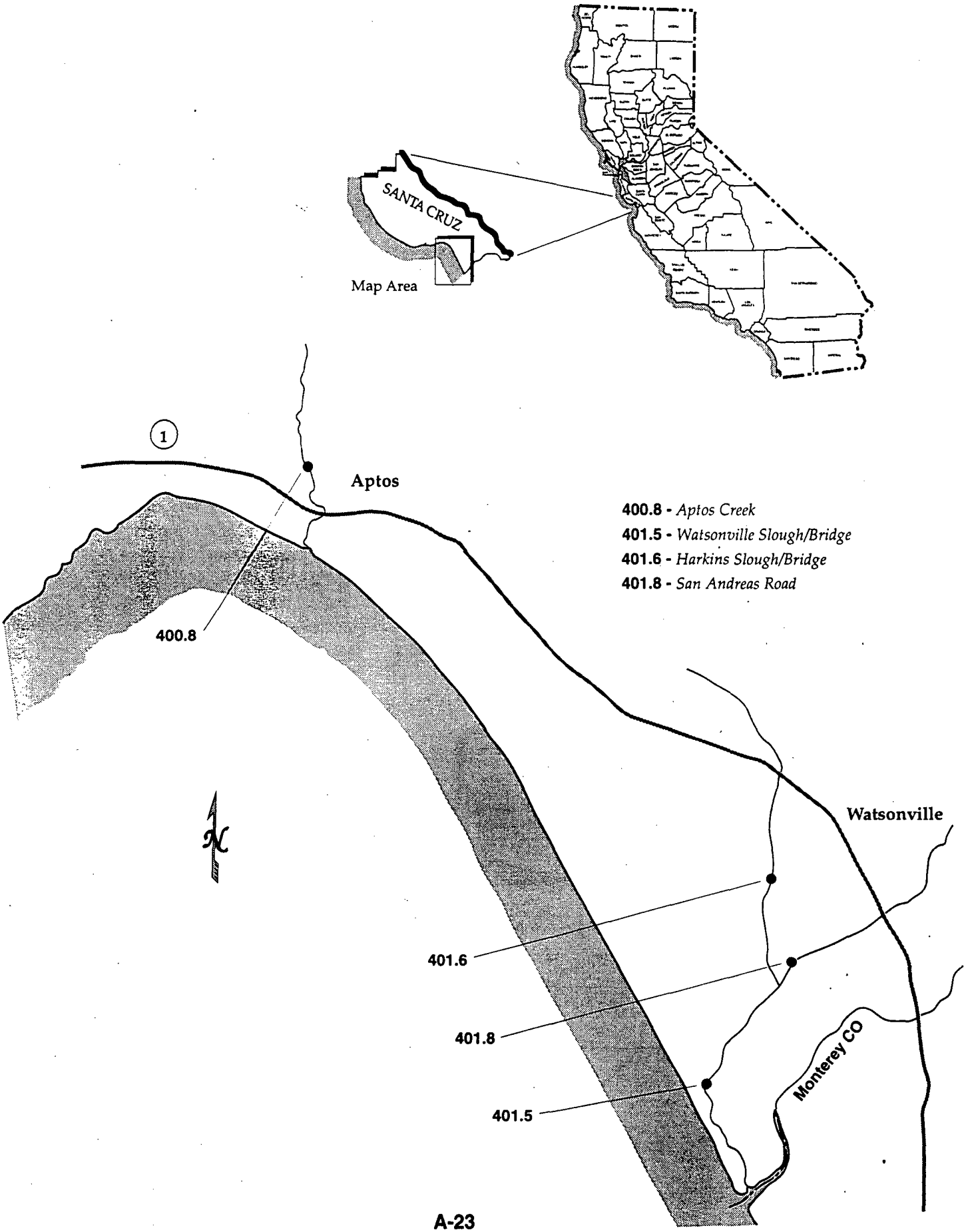
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Santa Cruz Co. - Santa Cruz Area



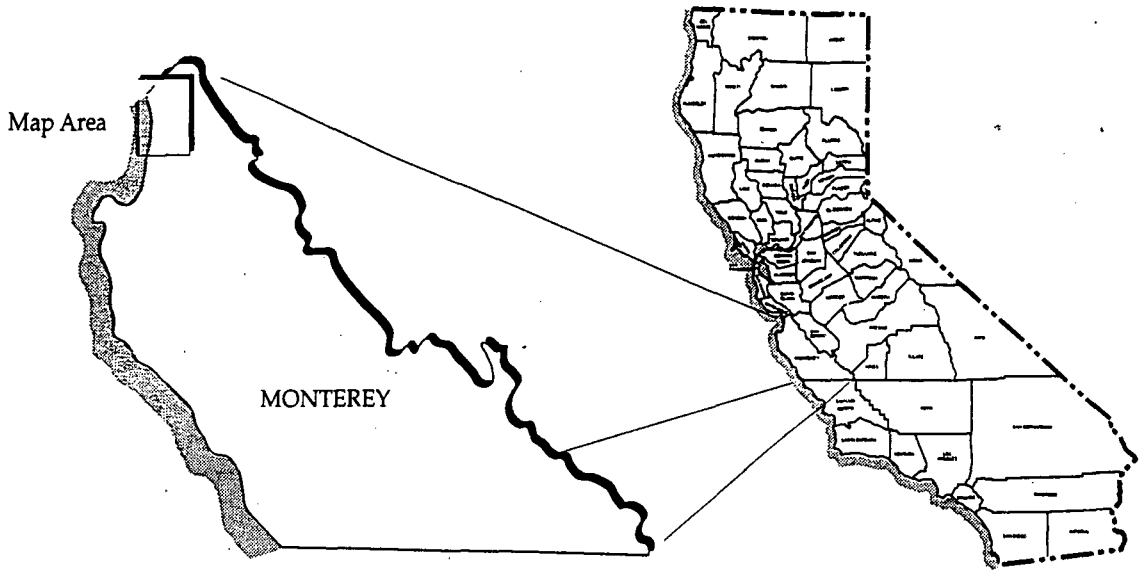
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

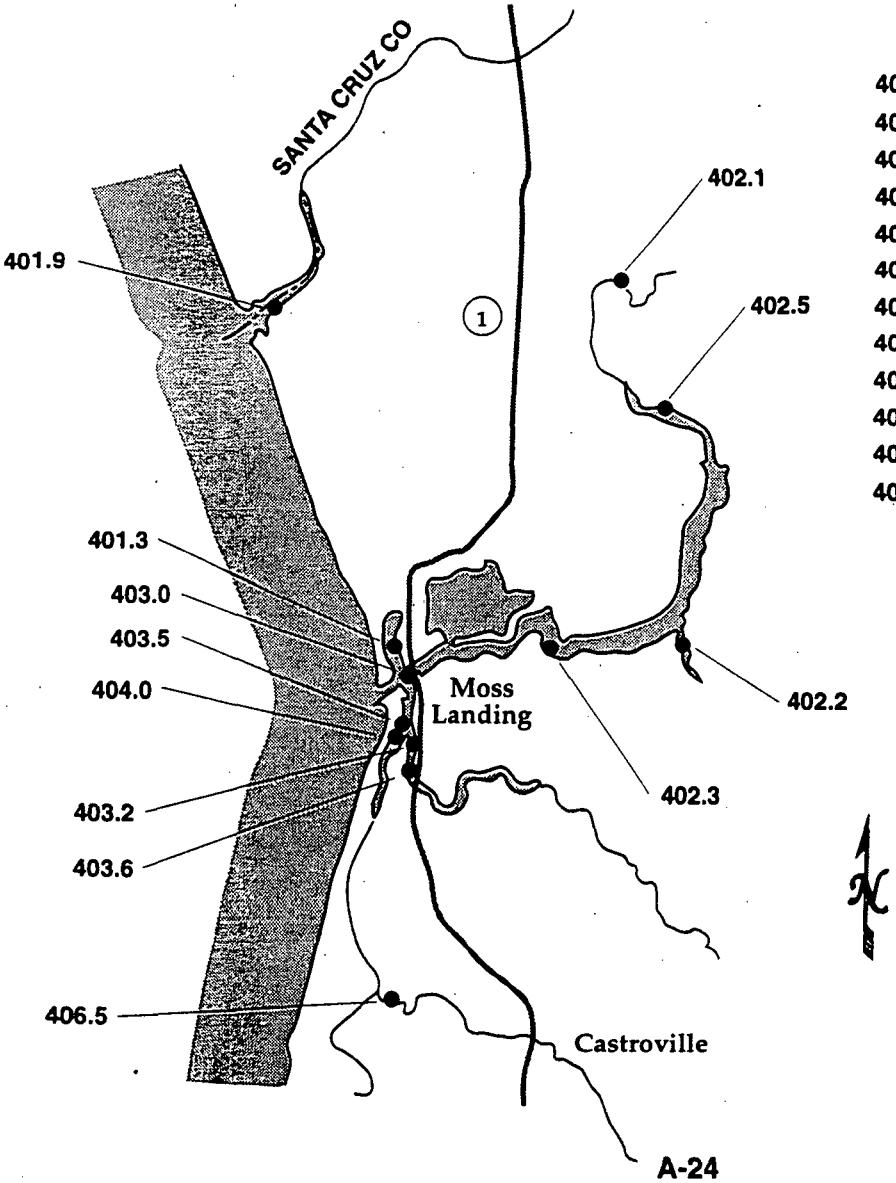
Santa Cruz Co. - Aptos Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Monterey Co. - Moss Landing Area

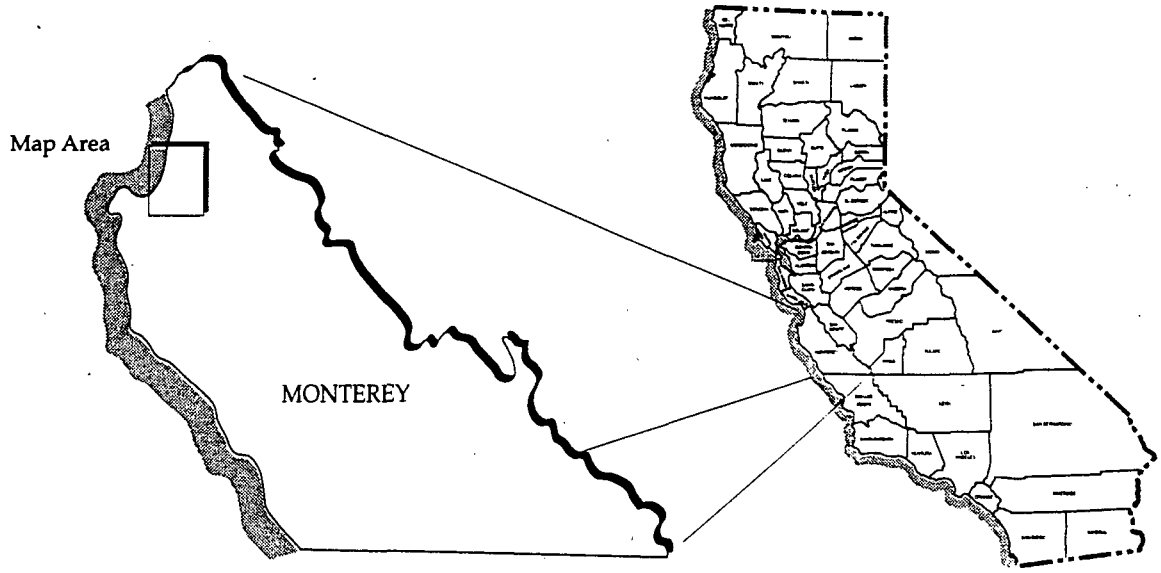


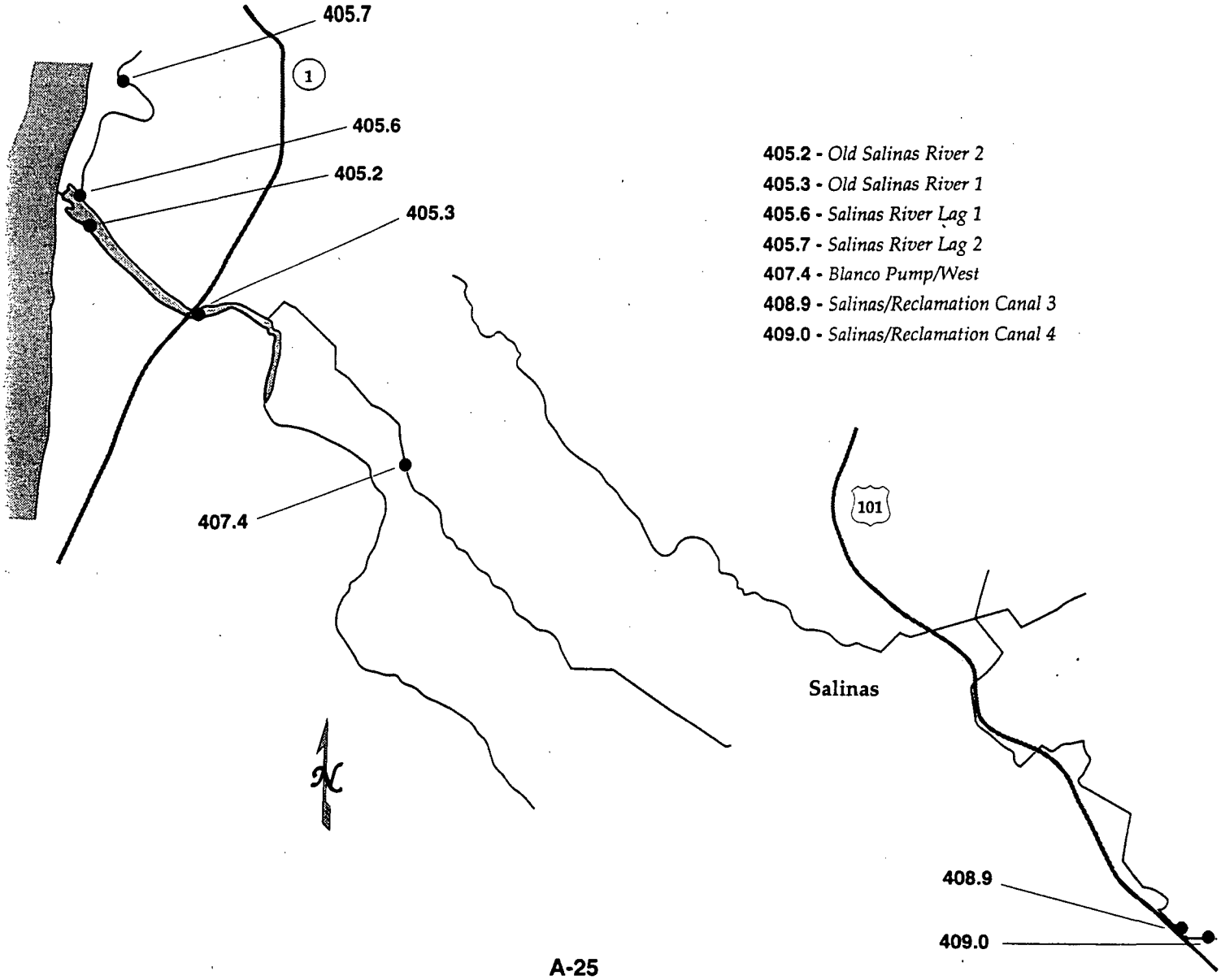


401.3 - *Moss Landing/Yacht Harbor*
401.9 - *Pajaro River Estuary*
402.1 - *Azevedo Pond*
402.2 - *Parson's Slough*
402.3 - *Elkhorn Slough/Pacific Mariculture*
402.5 - *Elkhorn Slough/Tidal Pond*
403.0 - *Elkhorn Slough/Highway 1 Bridge*
403.2 - *Moro Cojo*
403.5 - *Moss Landing/South Harbor*
403.6 - *Moro Cojo Slough*
404.0 - *Sandholdt Bridge*
406.5 - *Tembladero Slough*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Monterey Co. - Salinas Area

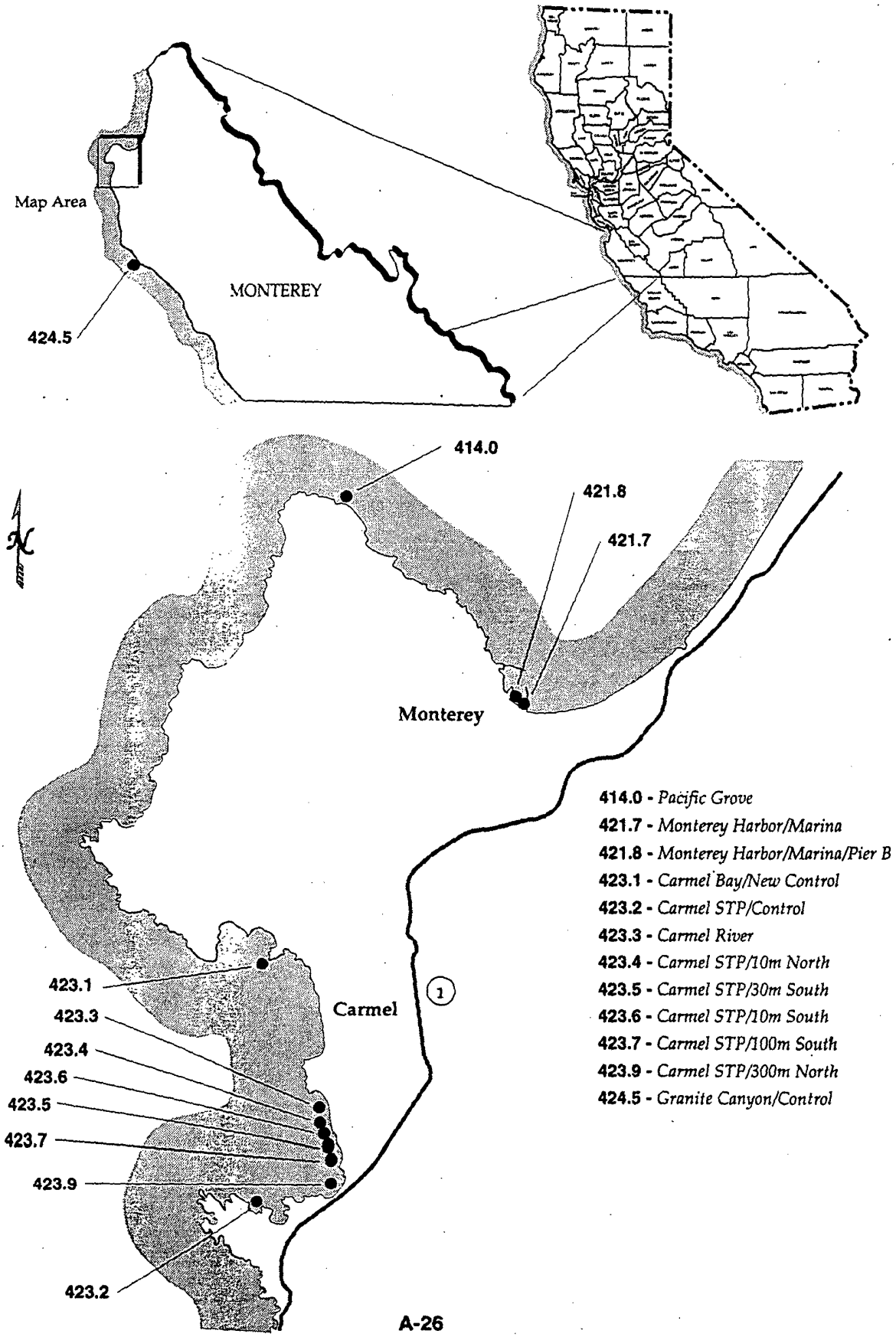




405.2 - *Old Salinas River 2*
405.3 - *Old Salinas River 1*
405.6 - *Salinas River Lag 1*
405.7 - *Salinas River Lag 2*
407.4 - *Blanco Pump/West*
408.9 - *Salinas/Reclamation Canal 3*
409.0 - *Salinas/Reclamation Canal 4*

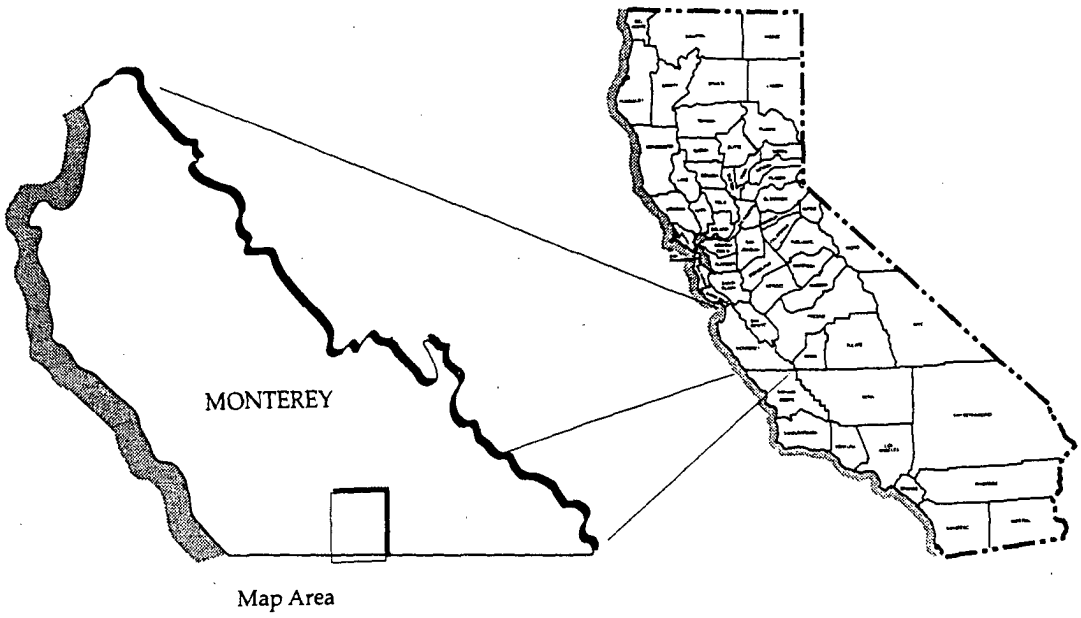
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

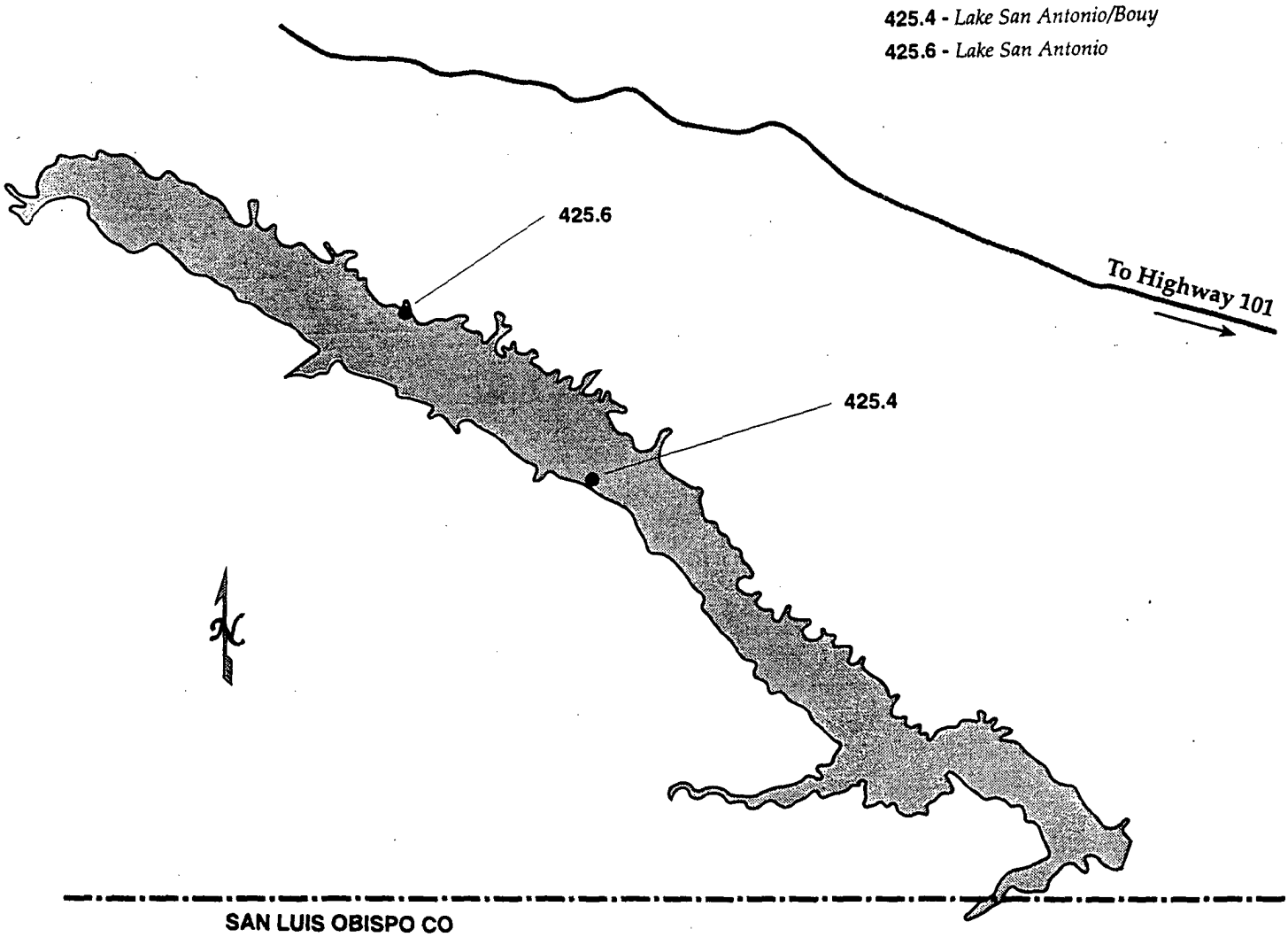
Monterey Co. - Monterey Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Monterey Co. -San Antonio Res Area

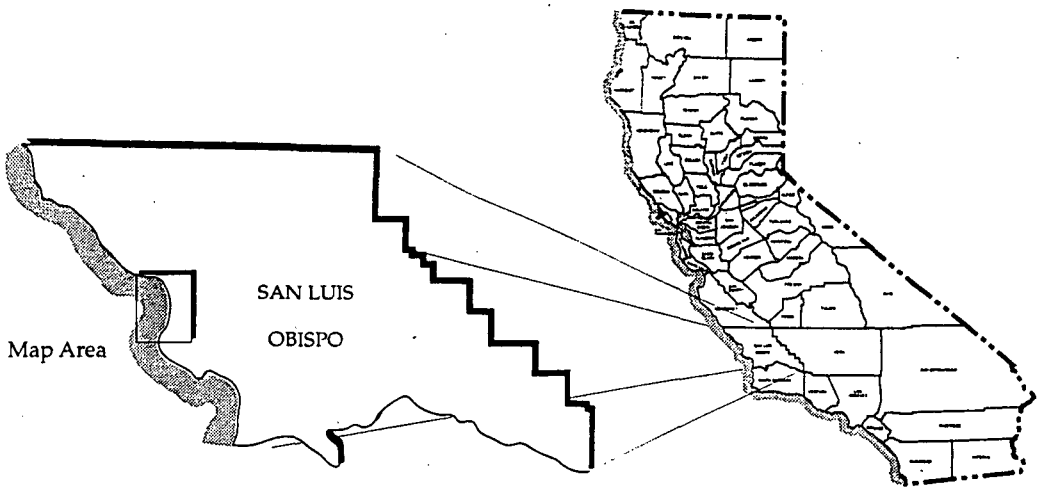


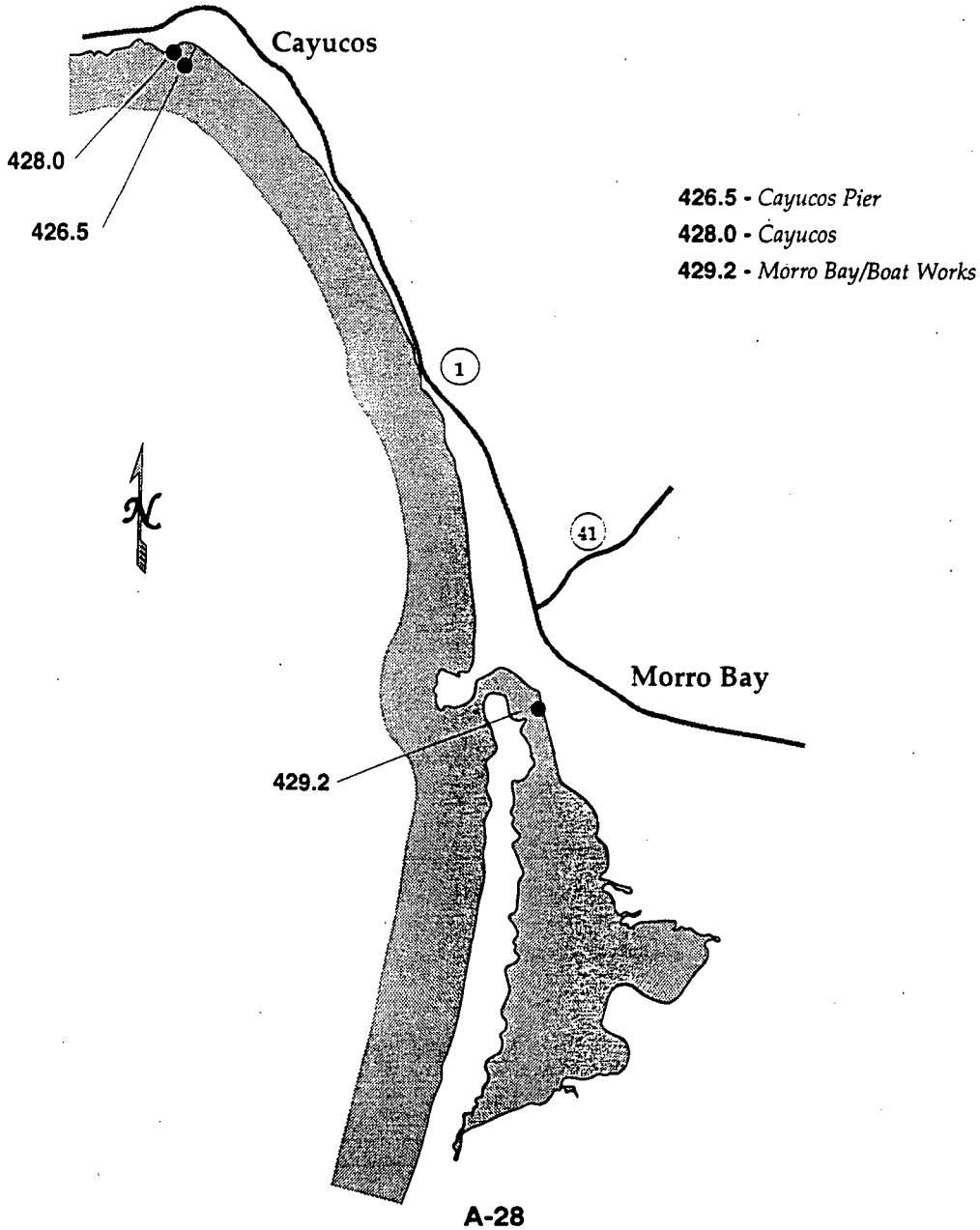


SAN LUIS OBISPO CO

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

San Luis Obispo Co. - Morro Bay Area

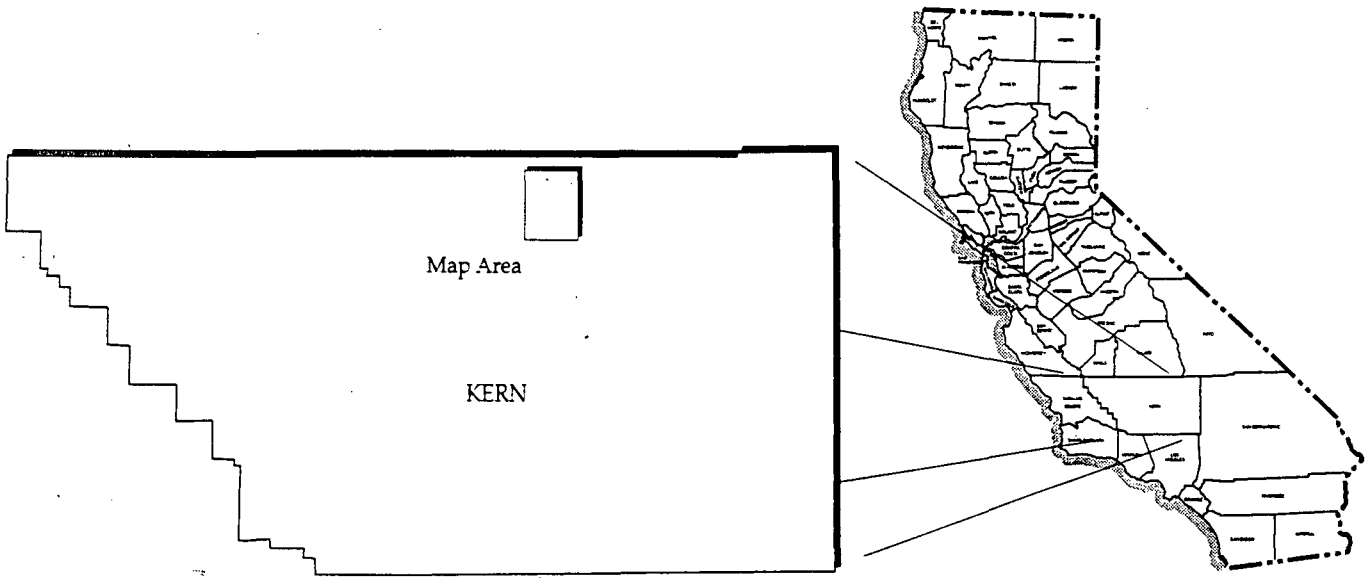


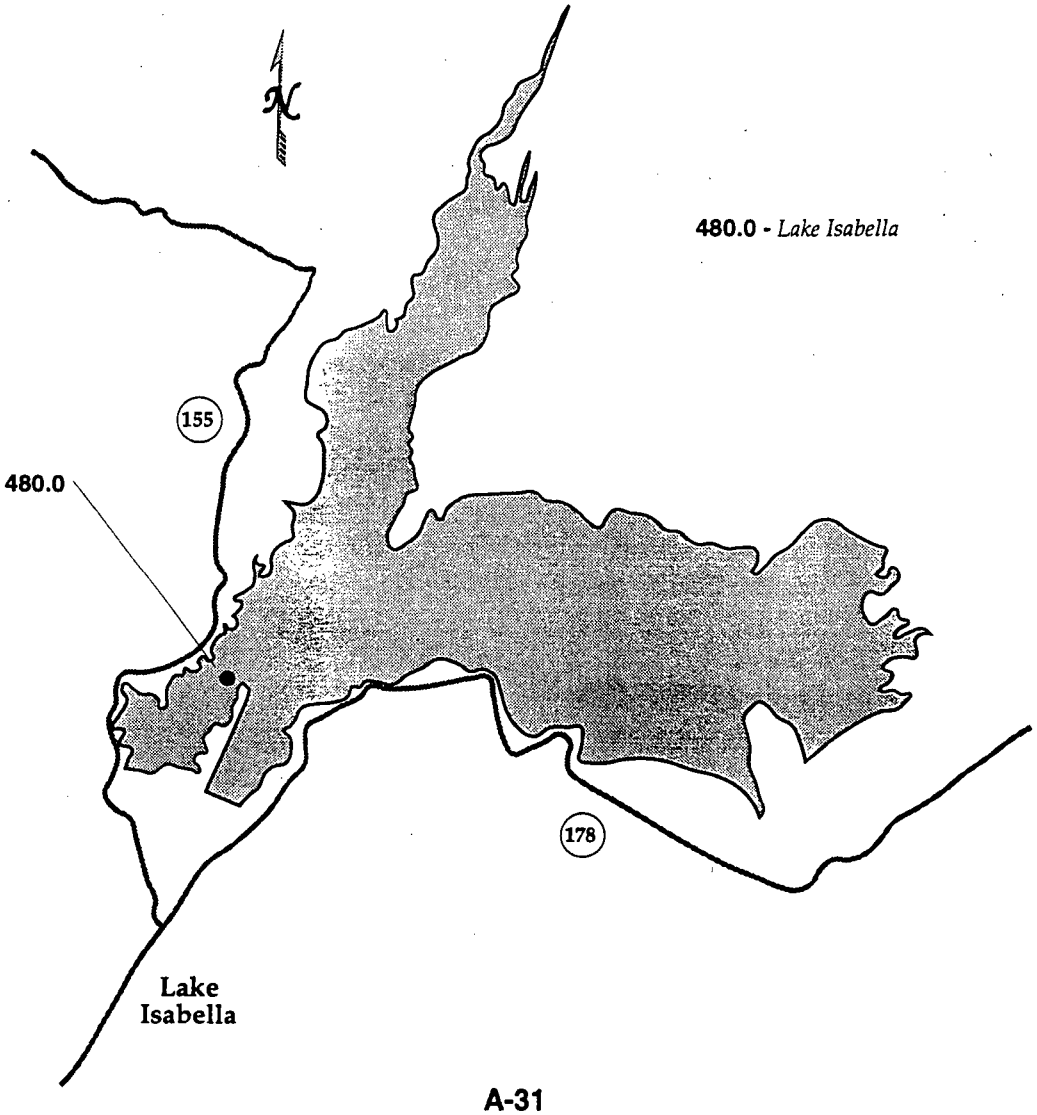


426.5 - *Cayucos Pier*
428.0 - *Cayucos*
429.2 - *Morro Bay/Boat Works*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

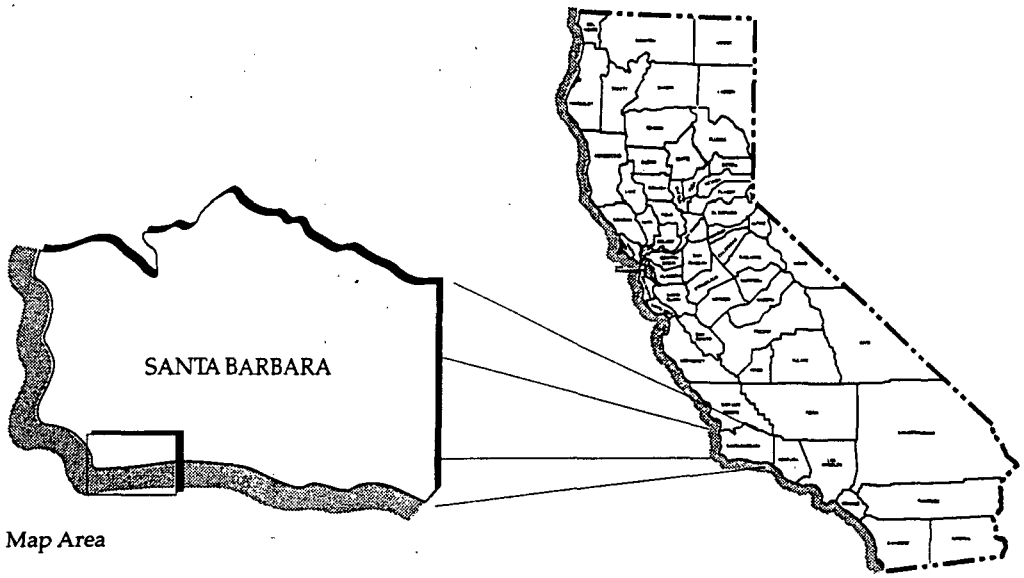
Kern Co. - Lake Isabella Area

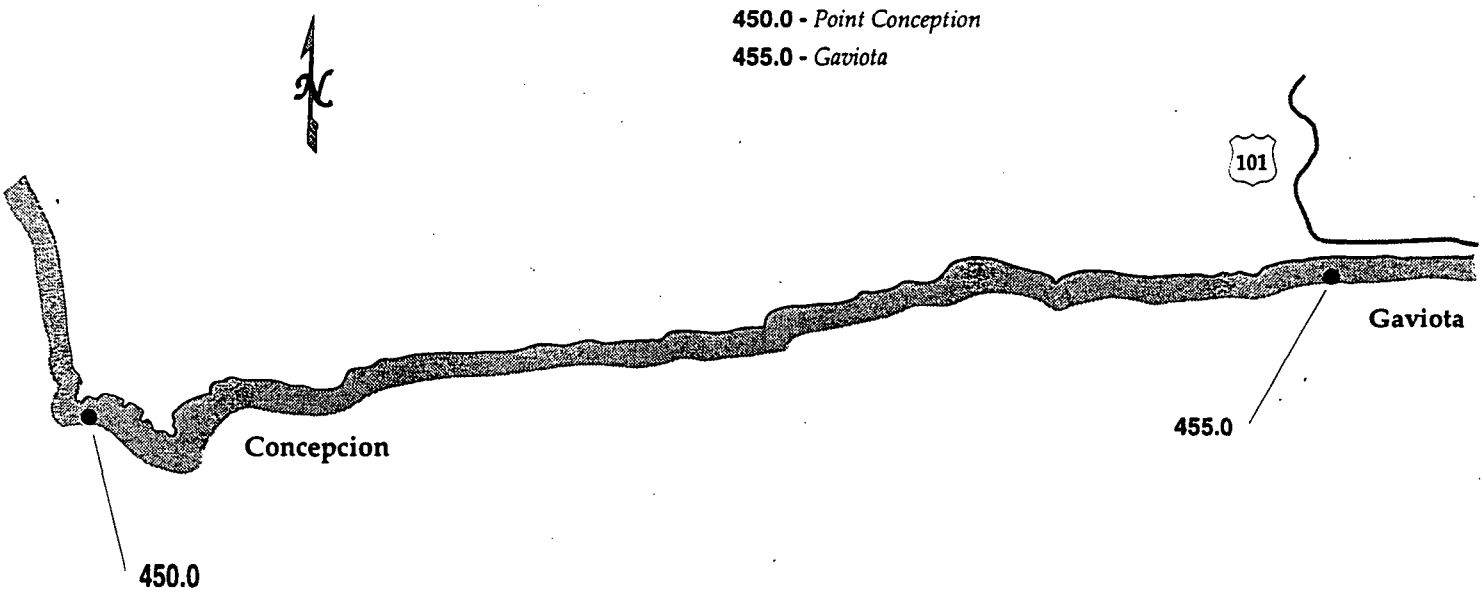




STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

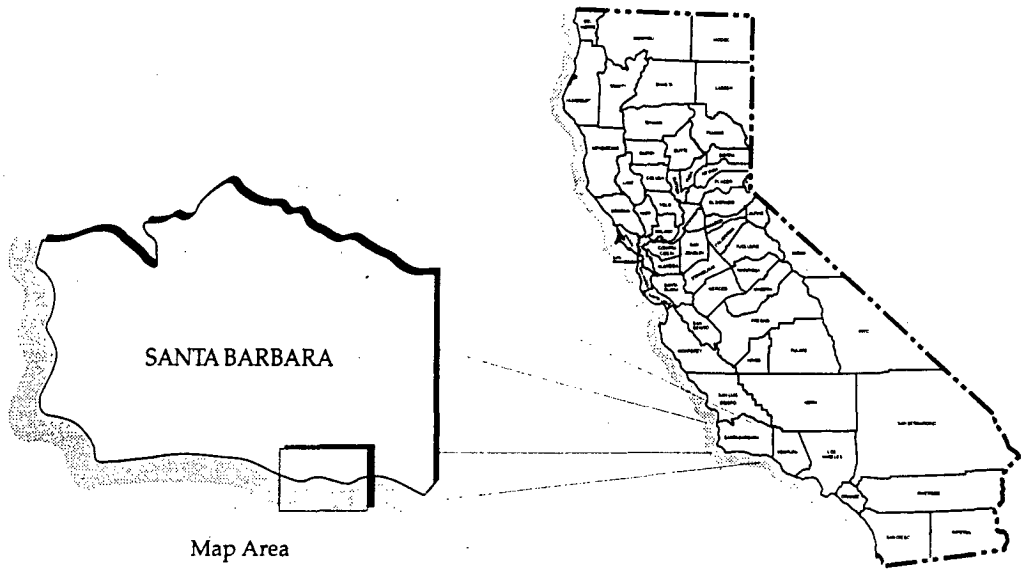
Santa Barbara Co. - Point Conception Area

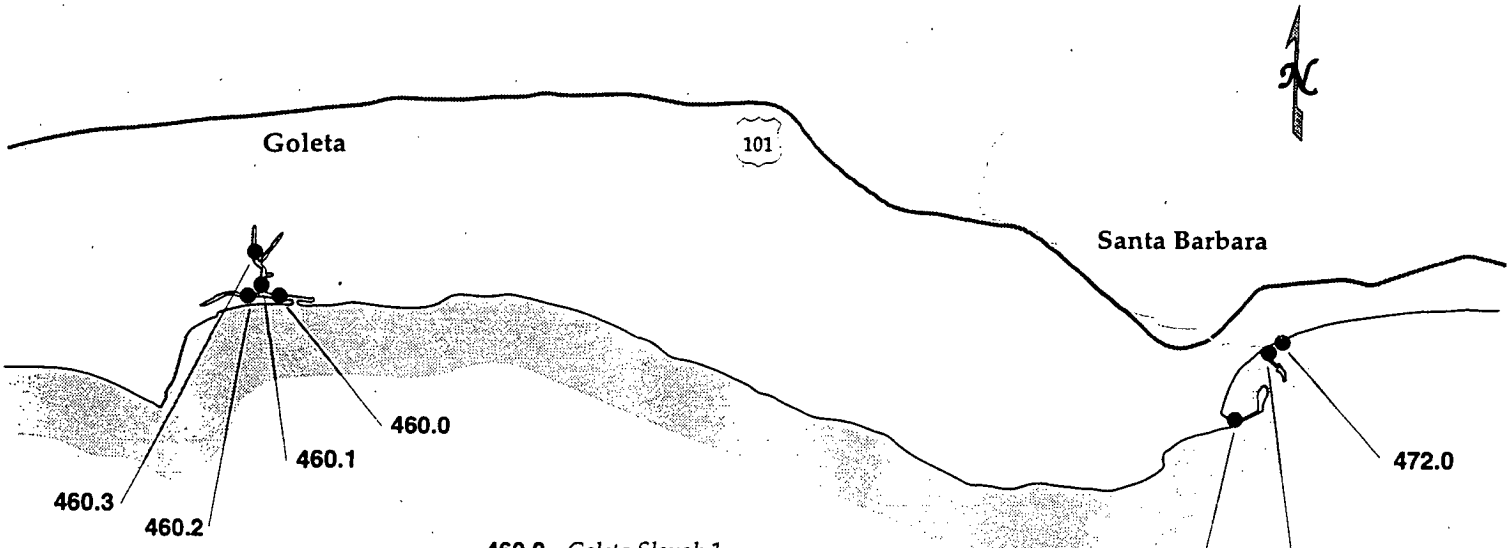




STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Santa Barbara Co. - Santa Barbara Area

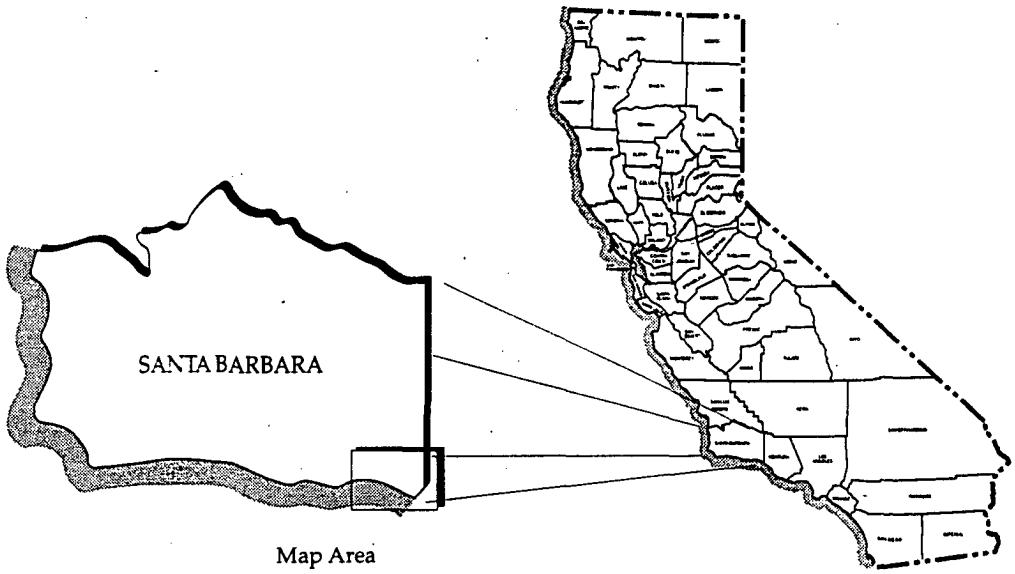




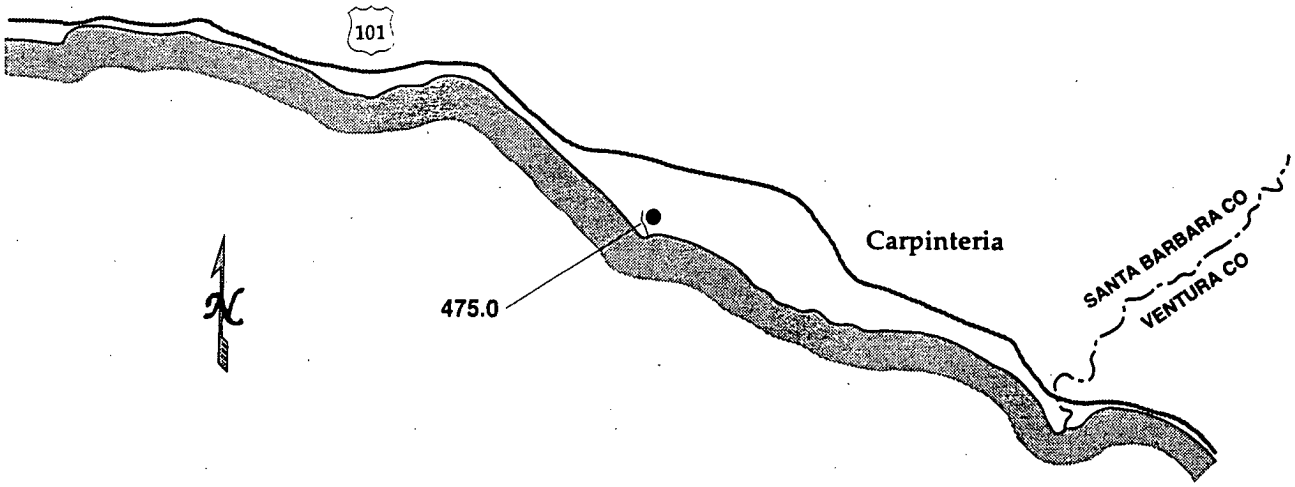
460.0 - *Goleta Slough 1*
460.1 - *Goleta Slough 2*
460.2 - *Goleta Slough 3*
460.3 - *Goleta Slough 4*
470.0 - *Santa Barbara Harbor*
471.0 - *Mission Creek*
472.0 - *Waste Slough / Laguna Drainage*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Santa Barbara Co. - Carpinteria Area

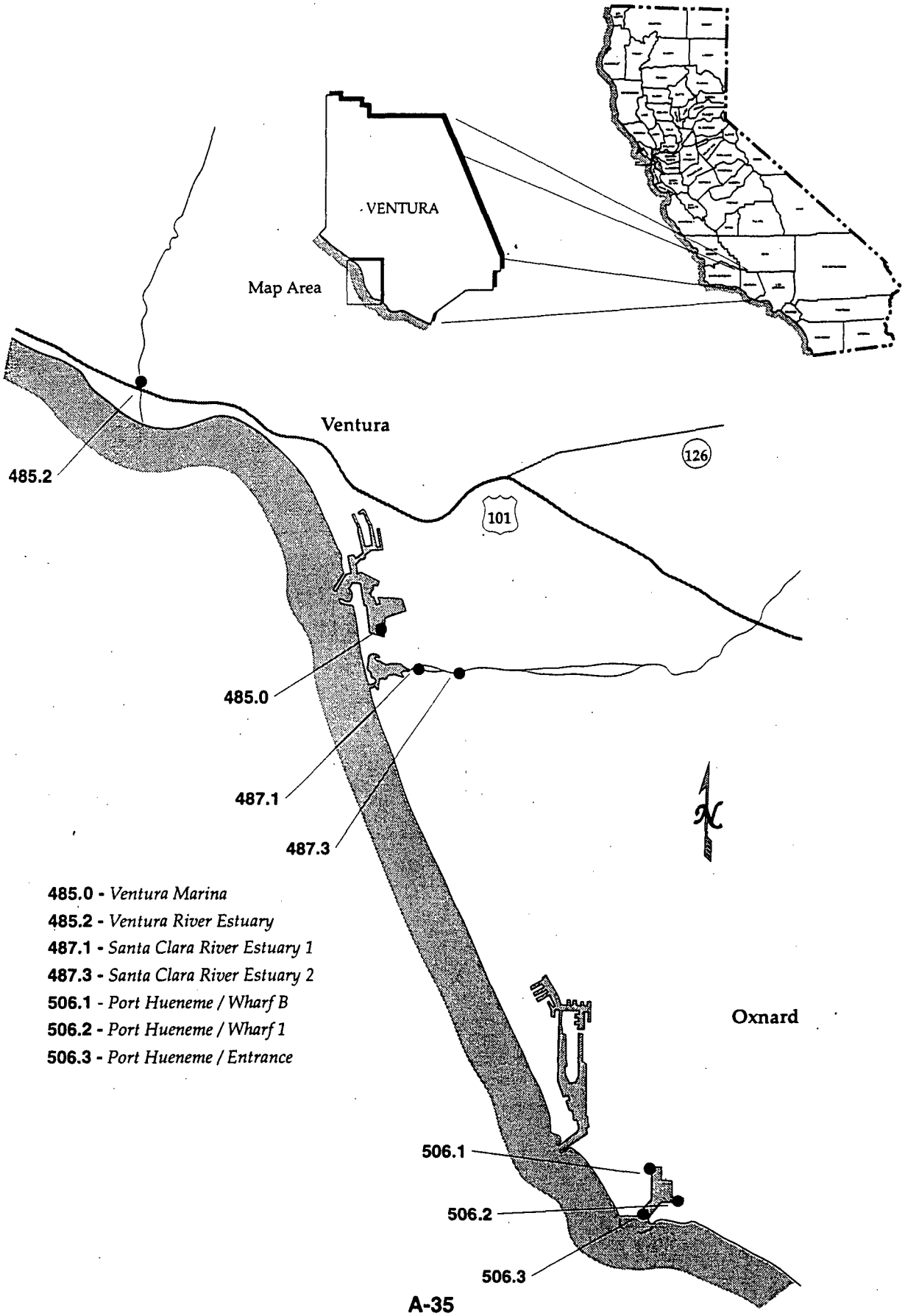


475.0 - *Carpinteria Marsh*



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

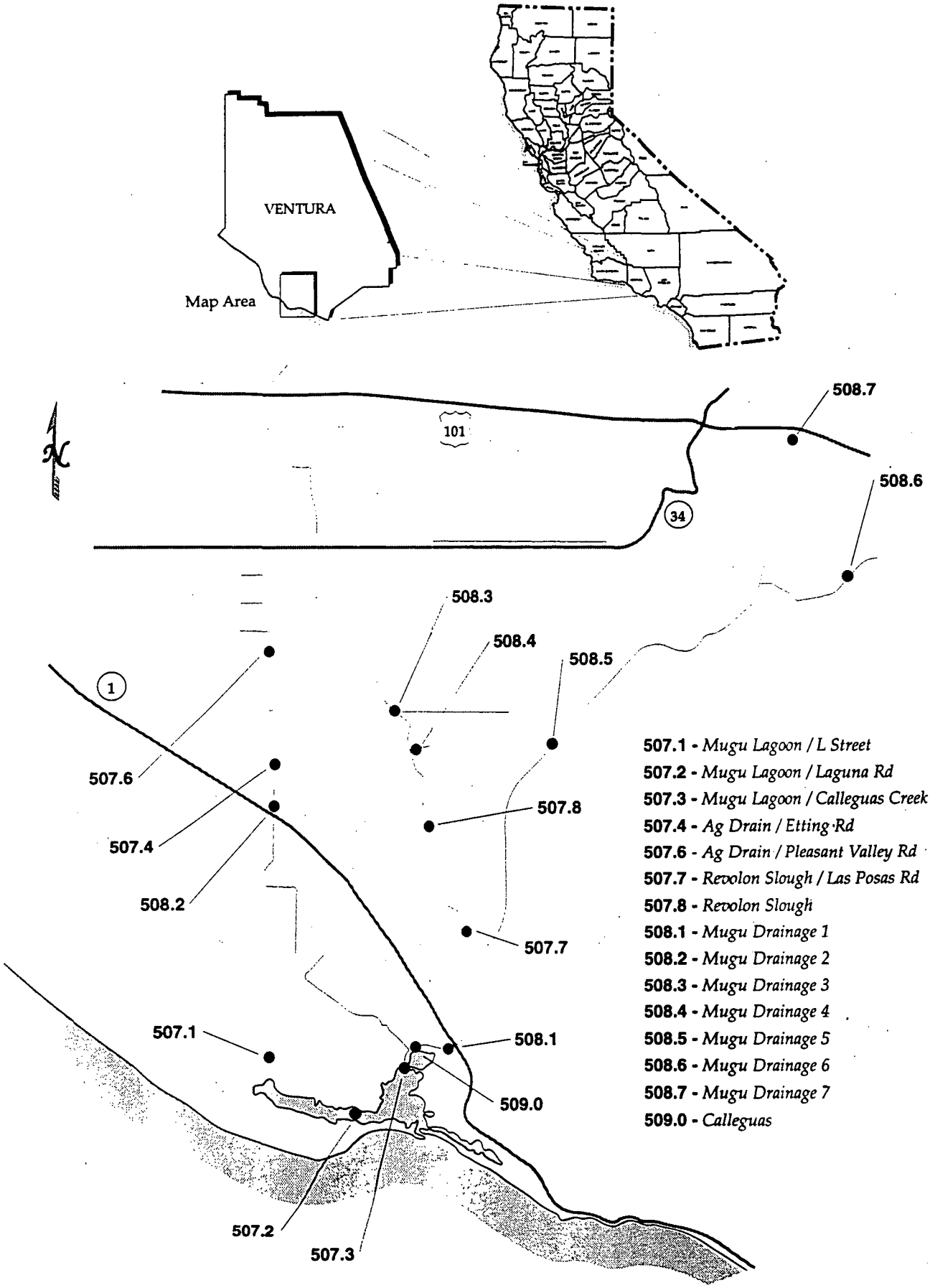
Ventura Co. - Ventura Area



485.0 - *Ventura Marina*
485.2 - *Ventura River Estuary*
487.1 - *Santa Clara River Estuary 1*
487.3 - *Santa Clara River Estuary 2*
506.1 - *Port Hueneme / Wharf B*
506.2 - *Port Hueneme / Wharf 1*
506.3 - *Port Hueneme / Entrance*

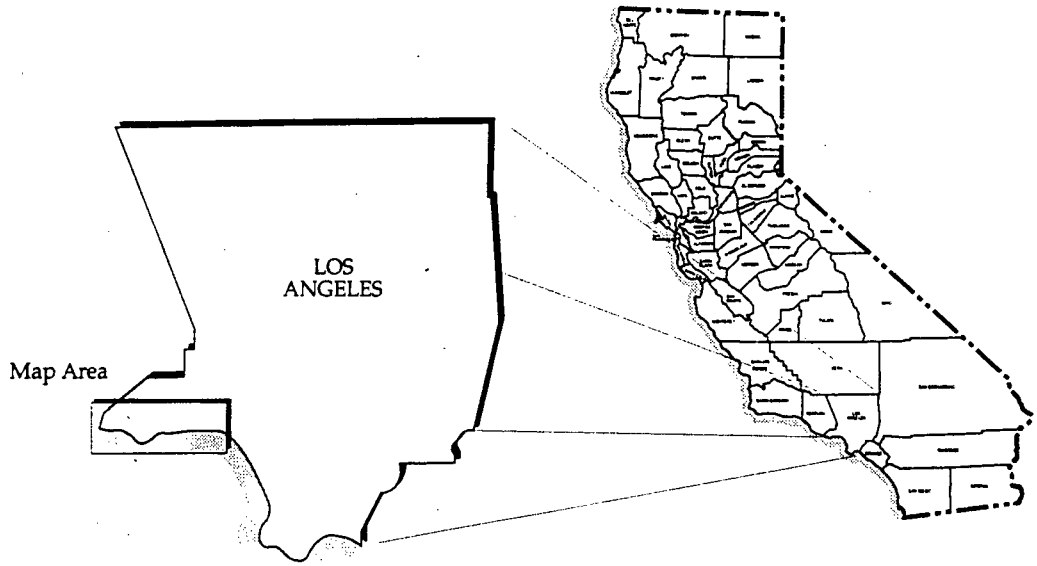
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

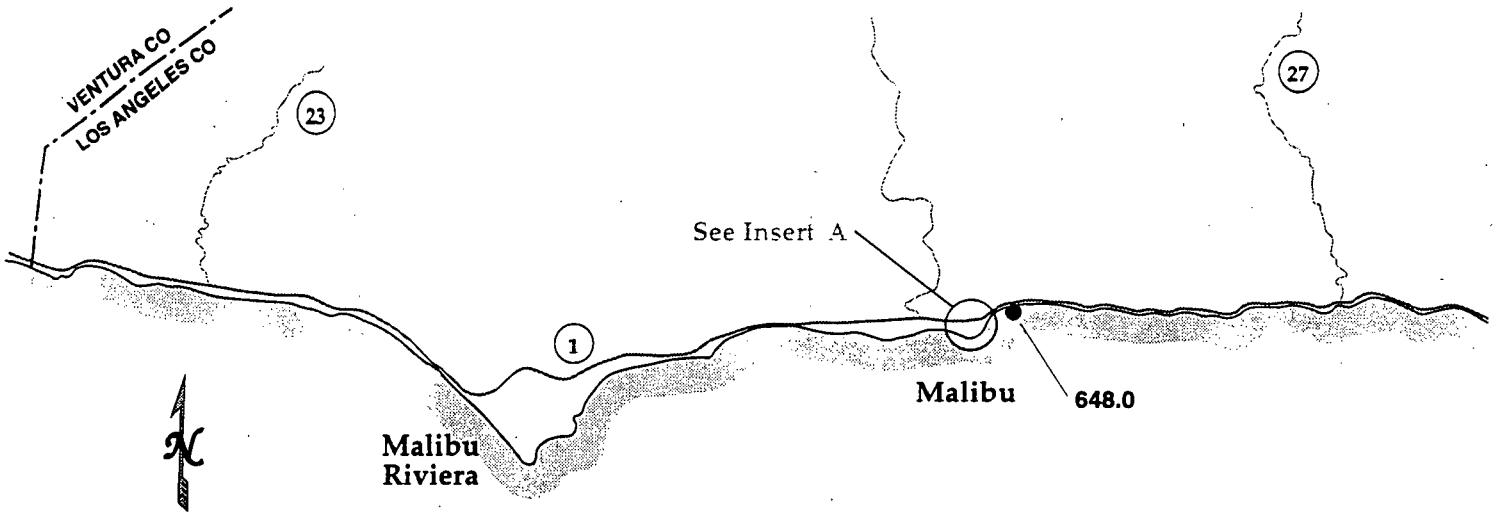
Ventura Co. - Mugu Lagoon Area



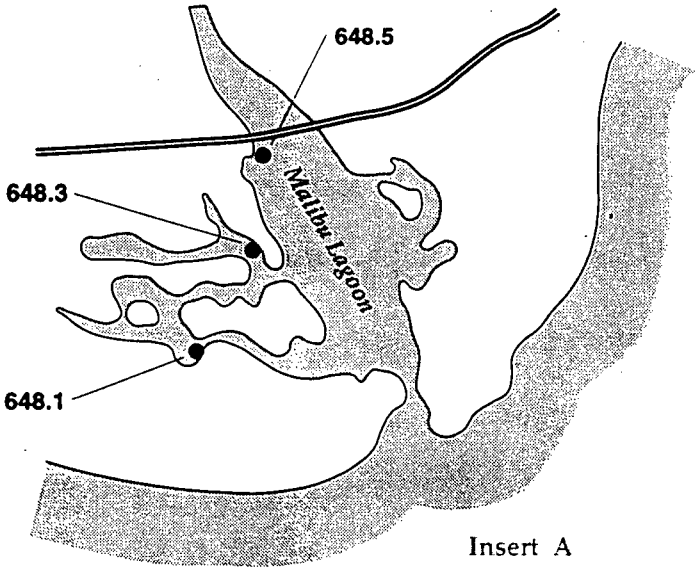
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Los Angeles Co. - Malibu Area



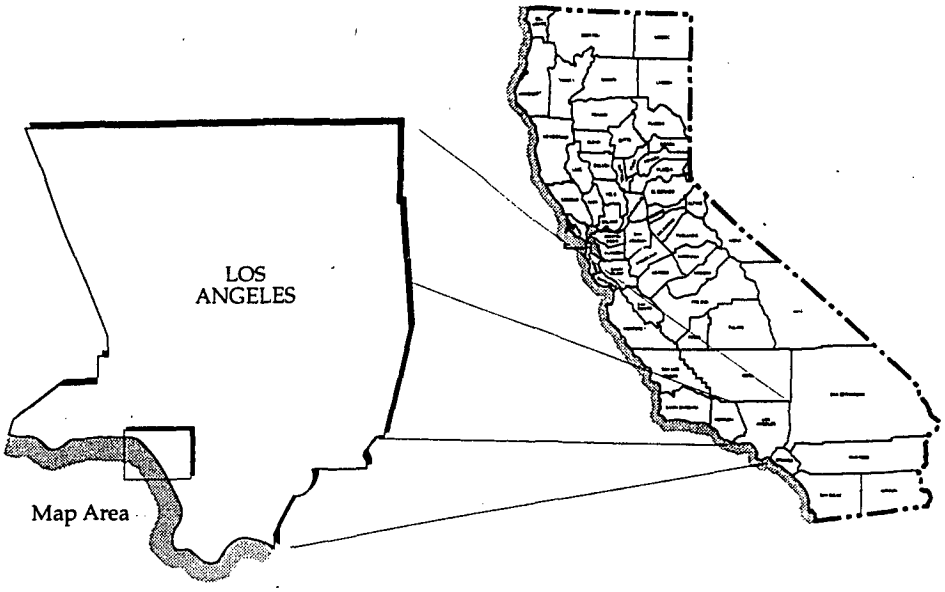


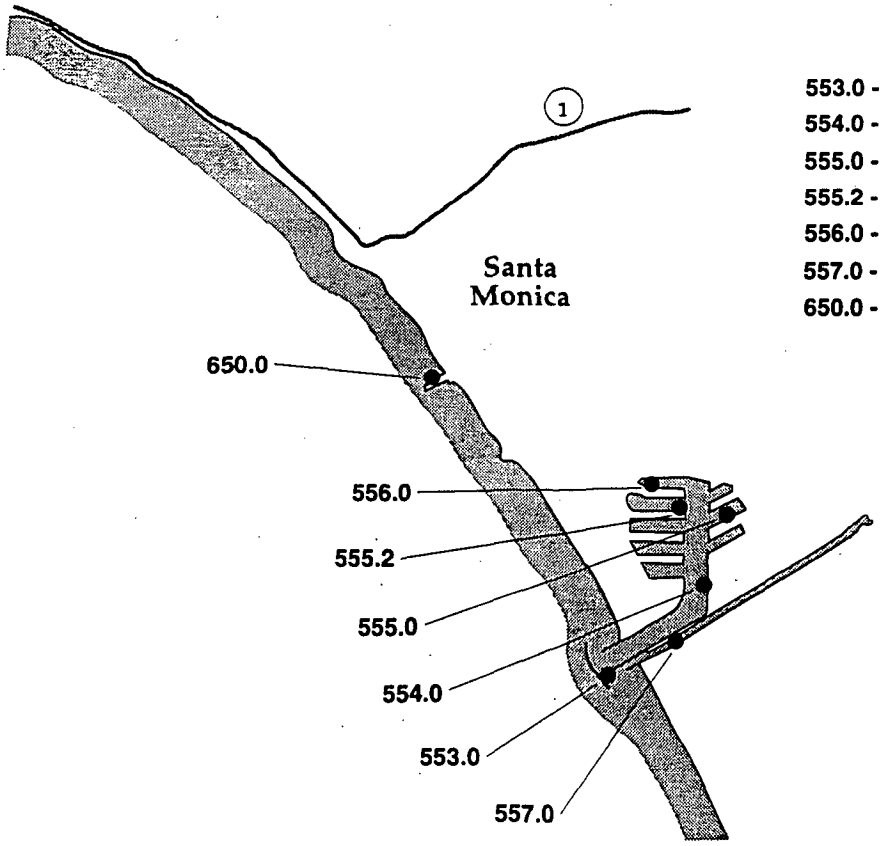
648.0 - *Malibu*
648.1 - *Malibu Lagoon/Channel A*
648.3 - *Malibu Lagoon/Channel C*
648.5 - *Malibu Lagoon/PCH*



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Los Angeles Co. - Santa Monica Area

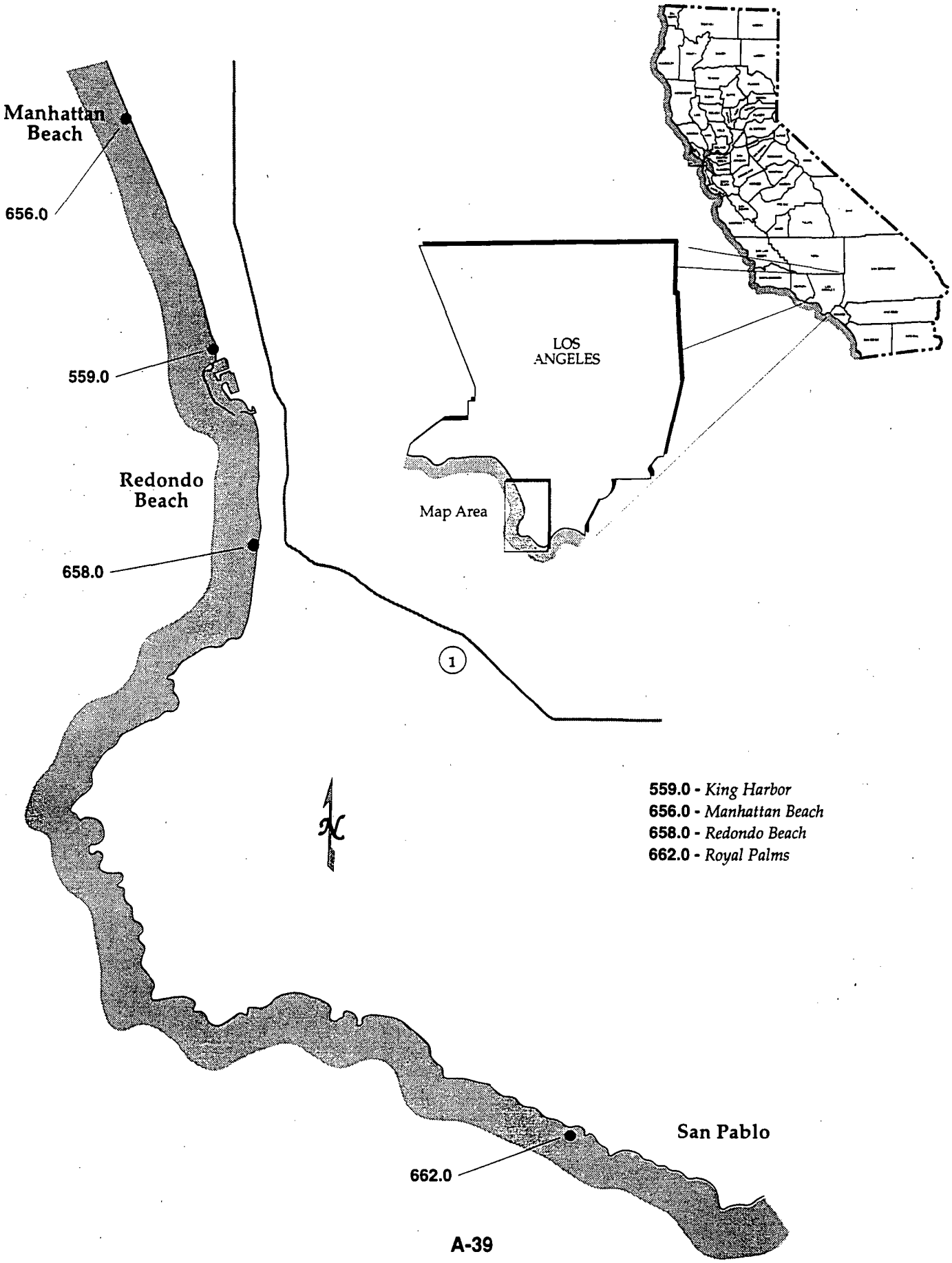




553.0 - *Marina Del Rey / Entrance*
554.0 - *Marina Del Rey / Harbor Patrol Docks*
555.0 - *Marina Del Rey / Basin G*
555.2 - *Marina Del Rey / Basin D*
556.0 - *Marina Del Rey / Basin E*
557.0 - *Marina Del Rey / Ballona Creek*
650.0 - *Santa Monica*

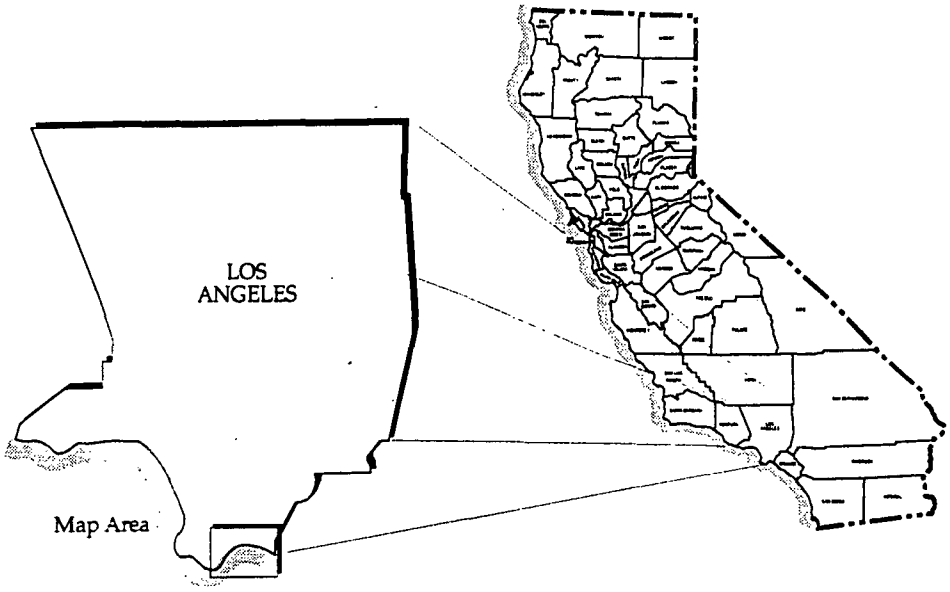
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

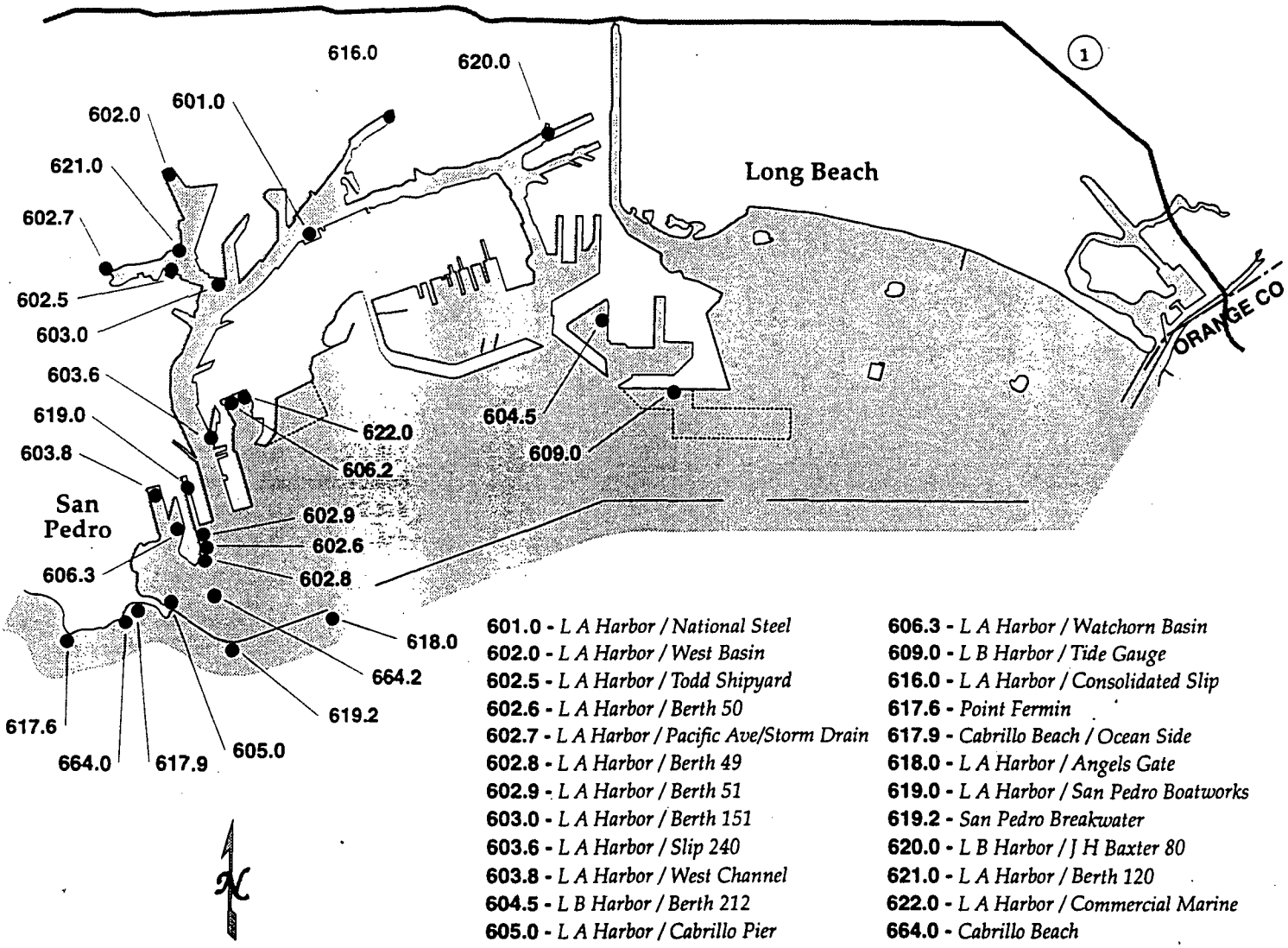
Los Angeles Co. - Redondo Beach Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Los Angeles Co. - Long Beach Area

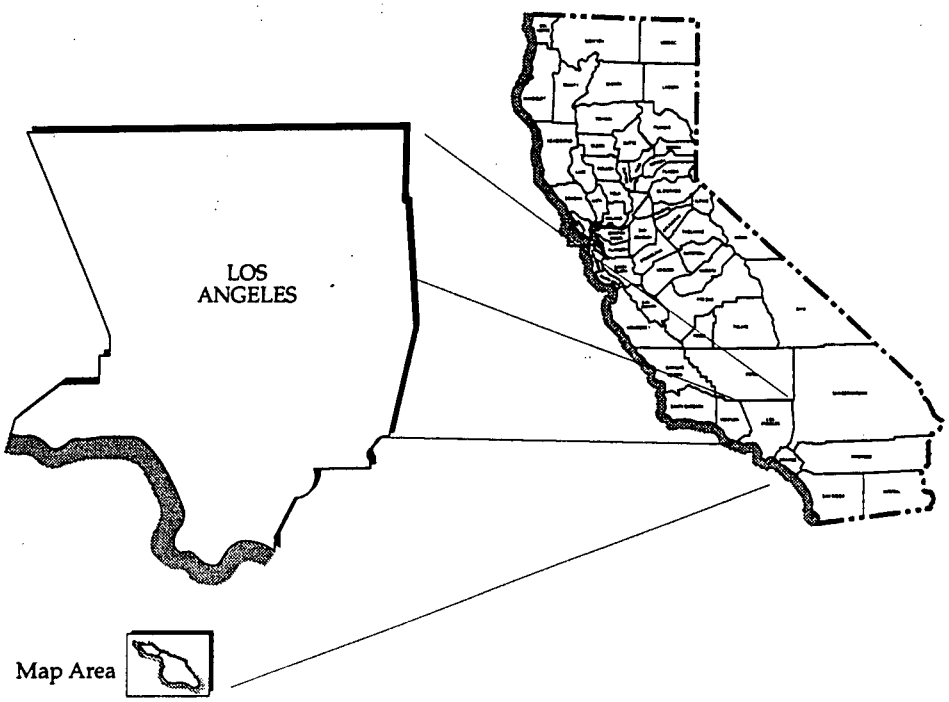


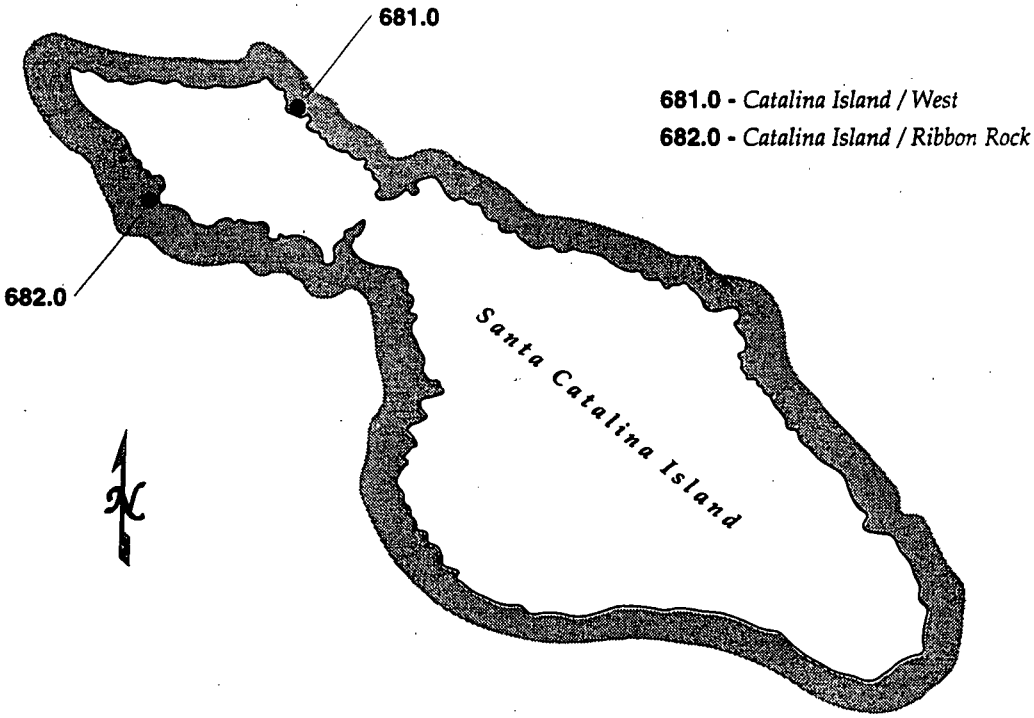


601.0 - *L A Harbor / National Steel*
602.0 - *L A Harbor / West Basin*
602.5 - *L A Harbor / Todd Shipyard*
602.6 - *L A Harbor / Berth 50*
602.7 - *L A Harbor / Pacific Ave/Storm Drain*
602.8 - *L A Harbor / Berth 49*
602.9 - *L A Harbor / Berth 51*
603.0 - *L A Harbor / Berth 151*
603.6 - *L A Harbor / Slip 240*
603.8 - *L A Harbor / West Channel*
604.5 - *L B Harbor / Berth 212*
605.0 - *L A Harbor / Cabrillo Pier*
606.2 - *L A Harbor / Fish Harbor*
606.3 - *L A Harbor / Watchorn Basin*
609.0 - *L B Harbor / Tide Gauge*
616.0 - *L A Harbor / Consolidated Slip*
617.6 - *Point Fermin*
617.9 - *Cabrillo Beach / Ocean Side*
618.0 - *L A Harbor / Angels Gate*
619.0 - *L A Harbor / San Pedro Boatworks*
619.2 - *San Pedro Breakwater*
620.0 - *L B Harbor / J H Baxter 80*
621.0 - *L A Harbor / Berth 120*
622.0 - *L A Harbor / Commercial Marine*
664.0 - *Cabrillo Beach*
664.2 - *Cabrillo Beach Buoy*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Los Angeles Co. - Santa Catalina Island



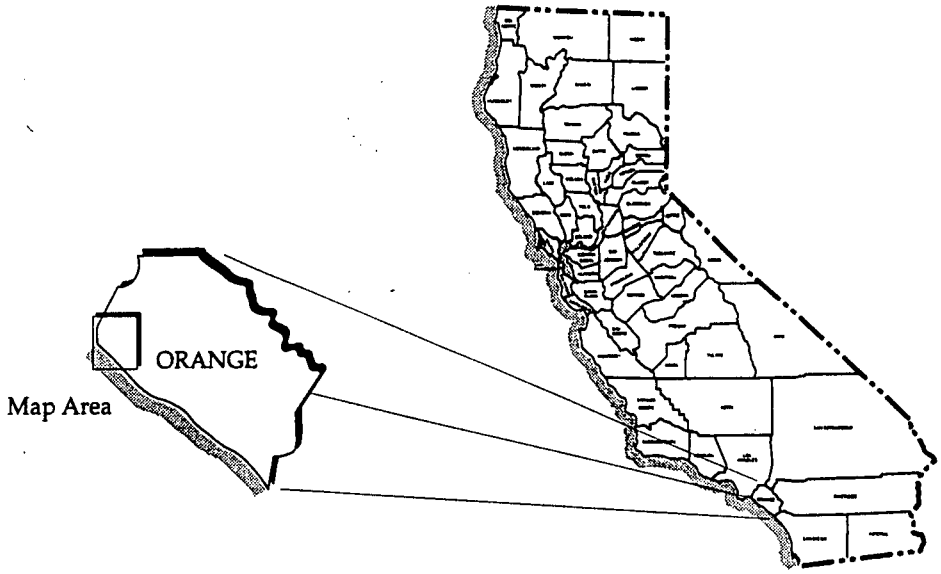


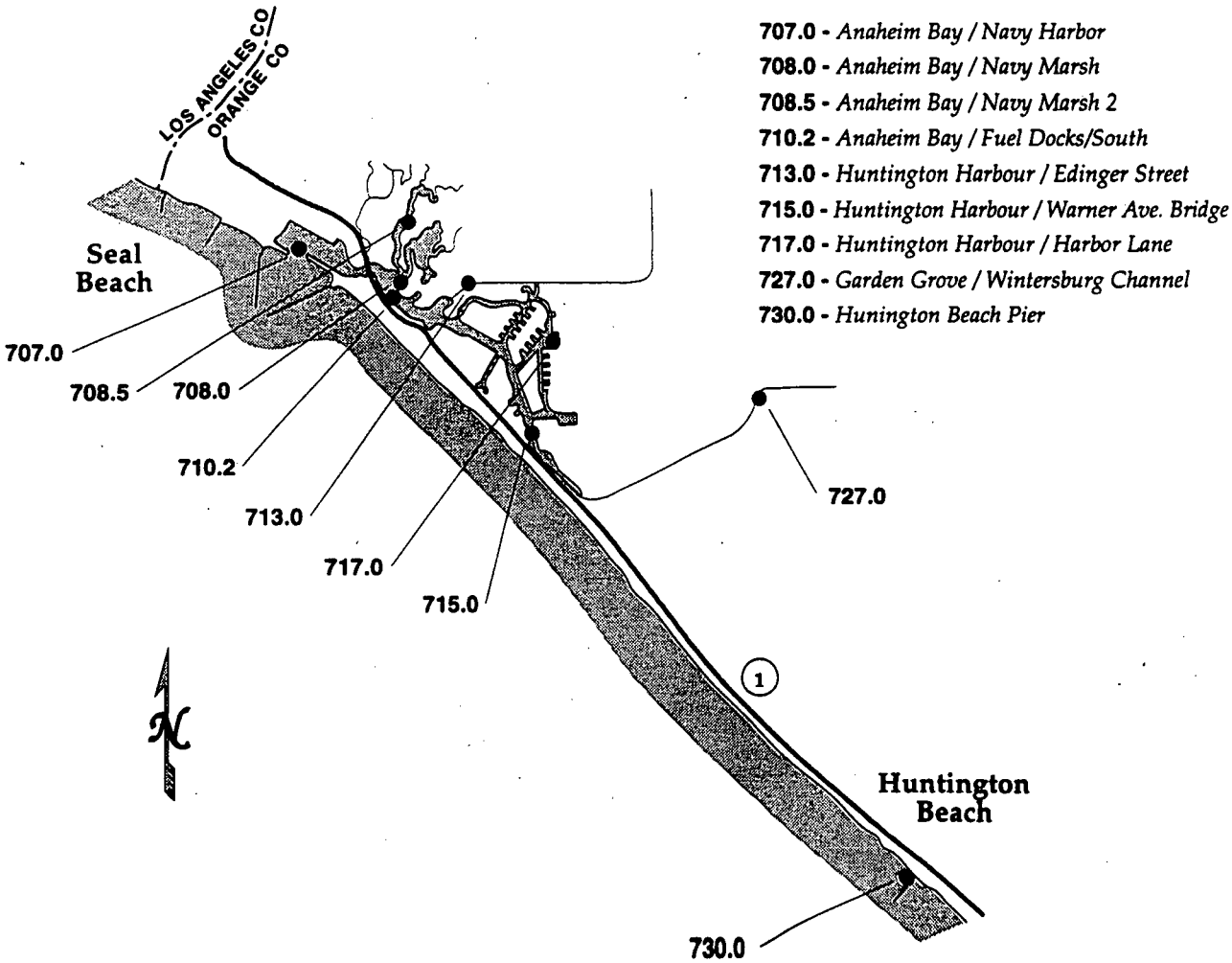
681.0 - *Catalina Island / West*

682.0 - *Catalina Island / Ribbon Rock*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

Orange Co. - Anaheim Bay Area

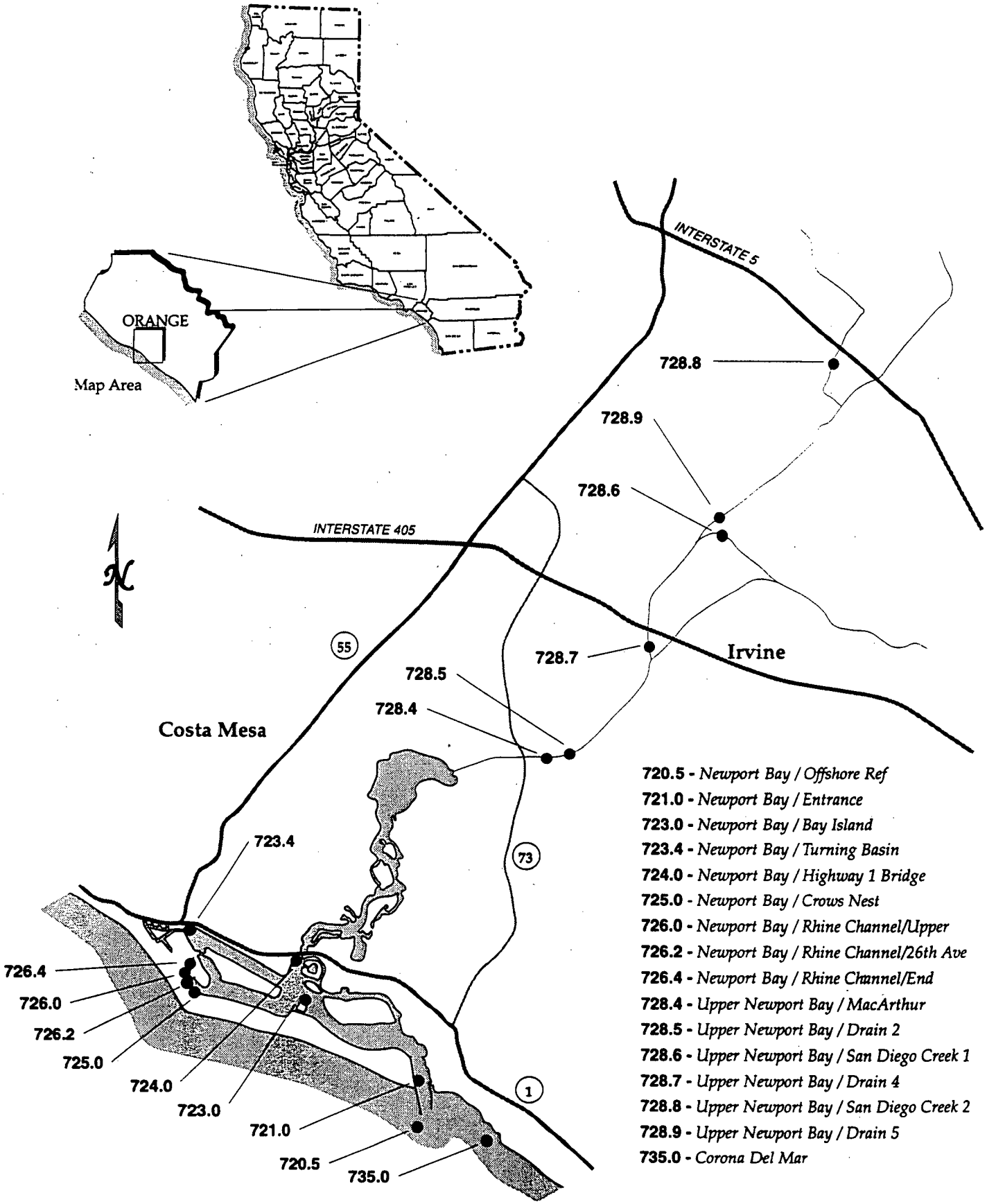




707.0 - *Anaheim Bay / Navy Harbor*
708.0 - *Anaheim Bay / Navy Marsh*
708.5 - *Anaheim Bay / Navy Marsh 2*
710.2 - *Anaheim Bay / Fuel Docks/South*
713.0 - *Huntington Harbour / Edinger Street*
715.0 - *Huntington Harbour / Warner Ave. Bridge*
717.0 - *Huntington Harbour / Harbor Lane*
727.0 - *Garden Grove / Wintersburg Channel*
730.0 - *Hunington Beach Pier*

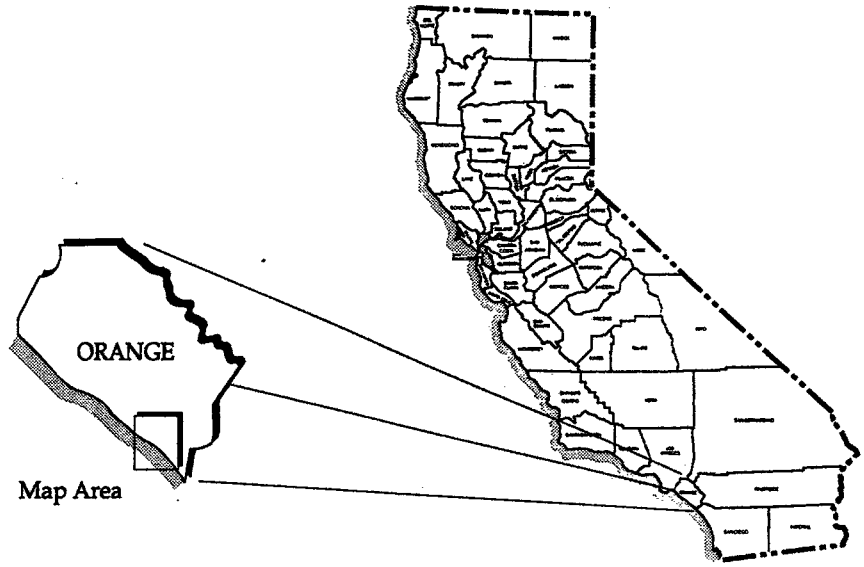
STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

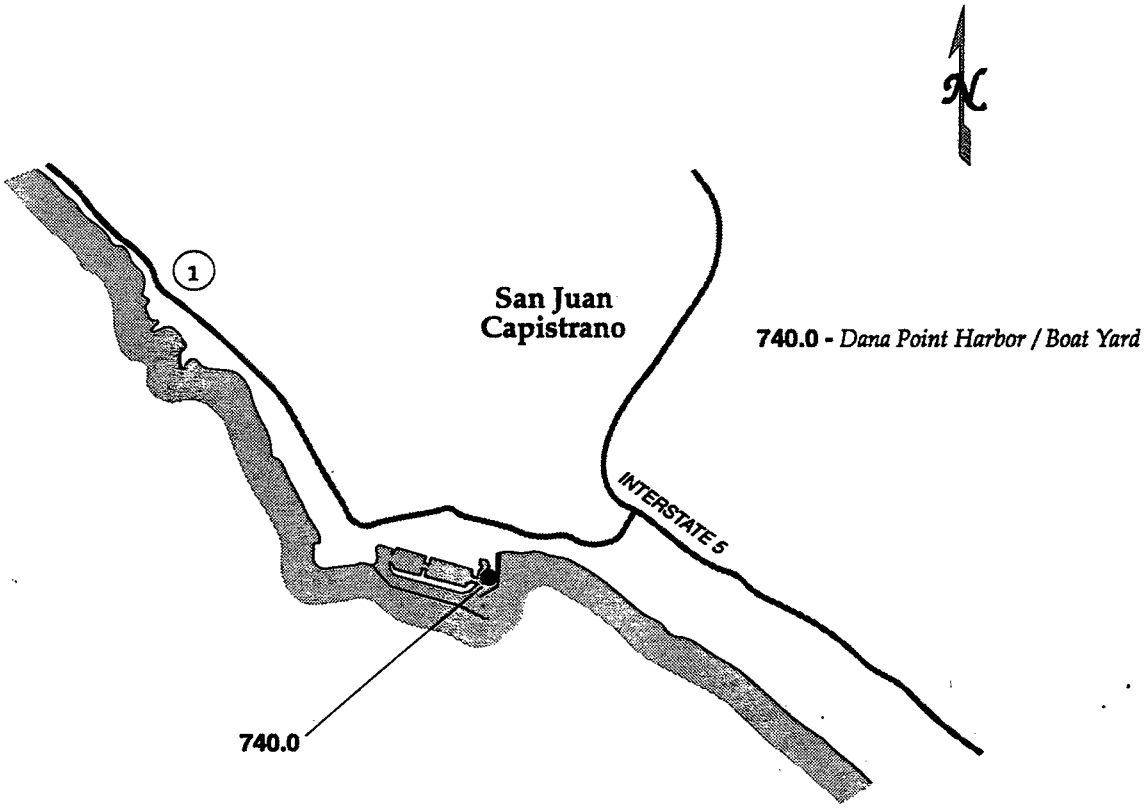
Orange Co. - Newport Bay Area



STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

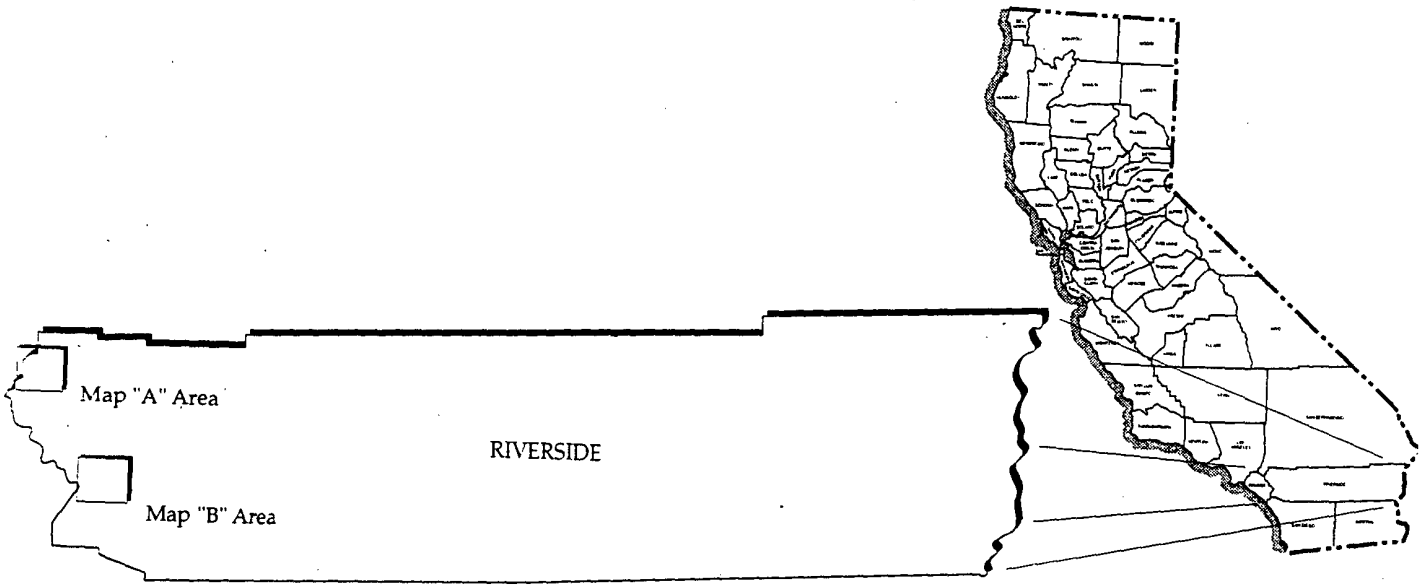
Orange Co. - Dana Point Area

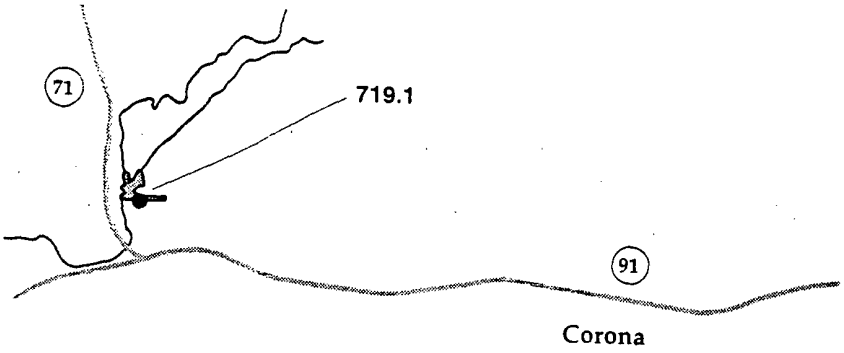




STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

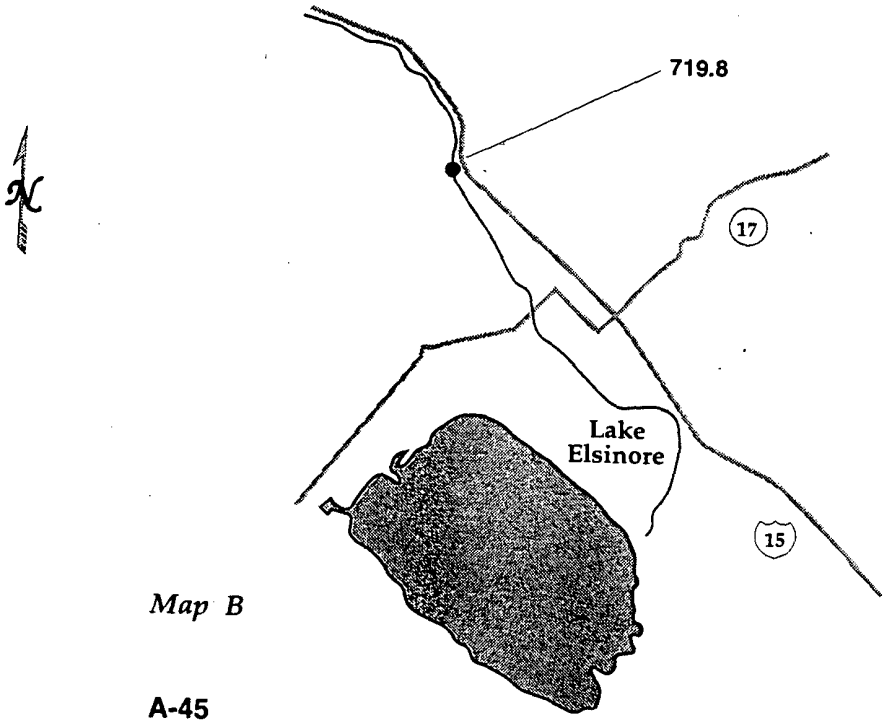
Riverside Co. - Corona/Elsinore Area





719.1 - *Santa Ana River/Prado Dam*
719.8 - *Temescal Creek/Nichols Road*

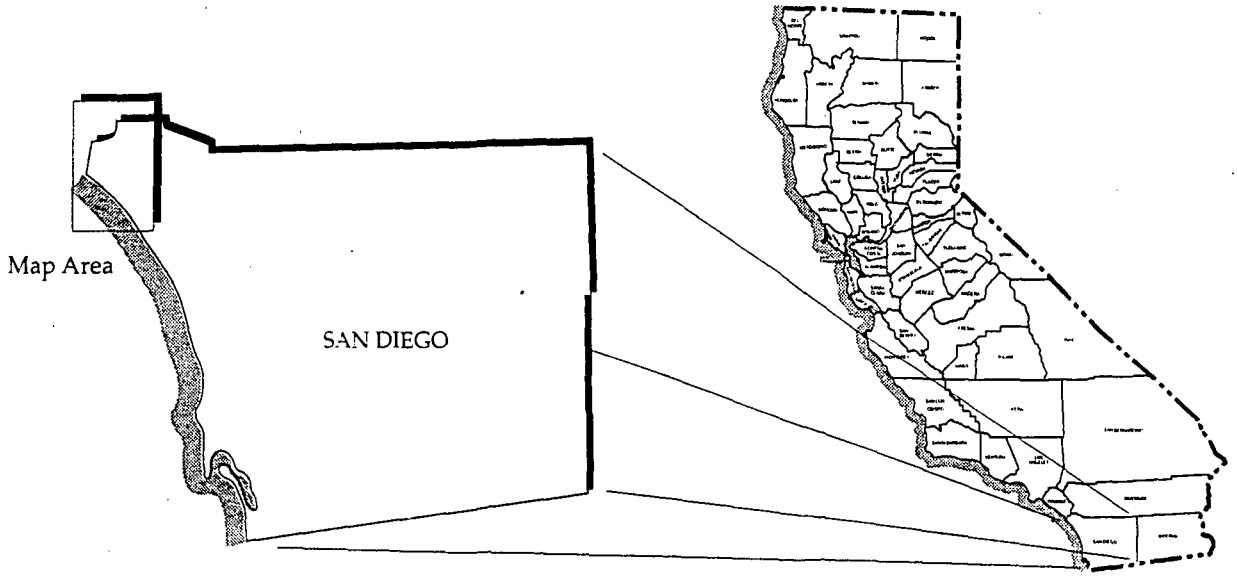
Map A

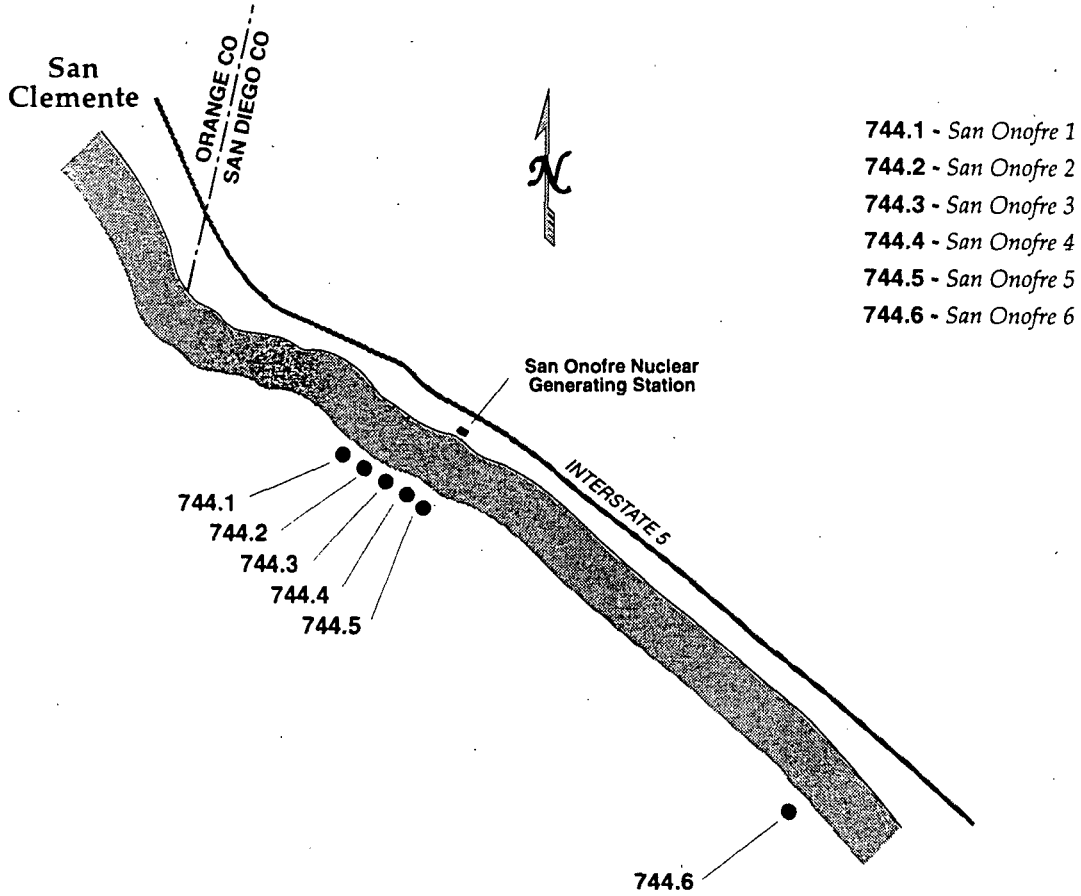


Map B

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

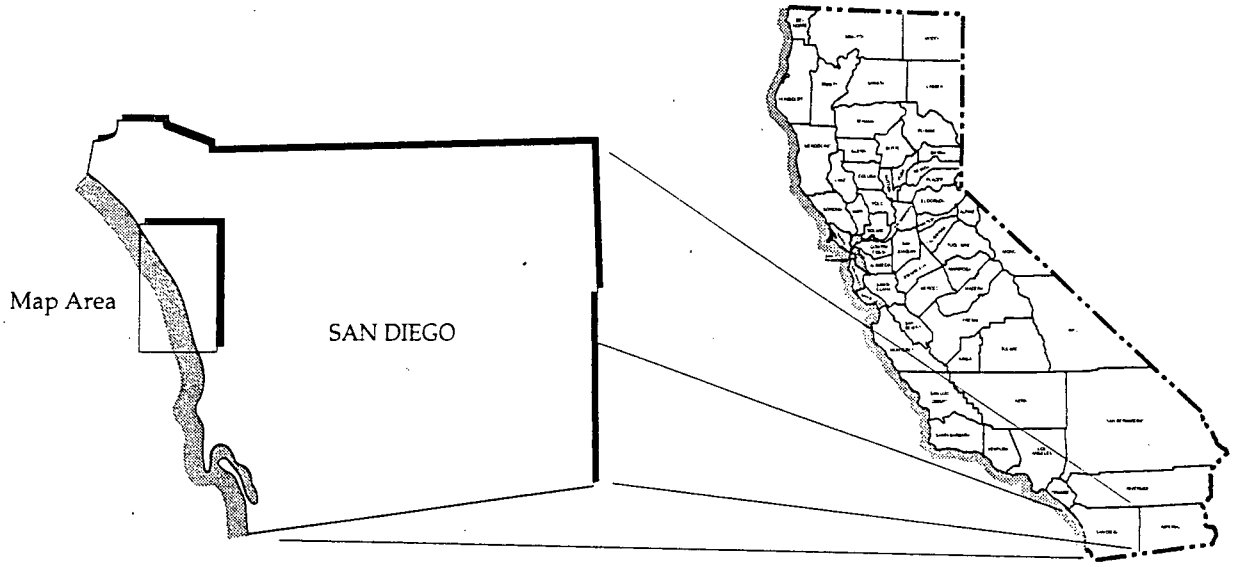
San Diego Co. - San Onofre Area

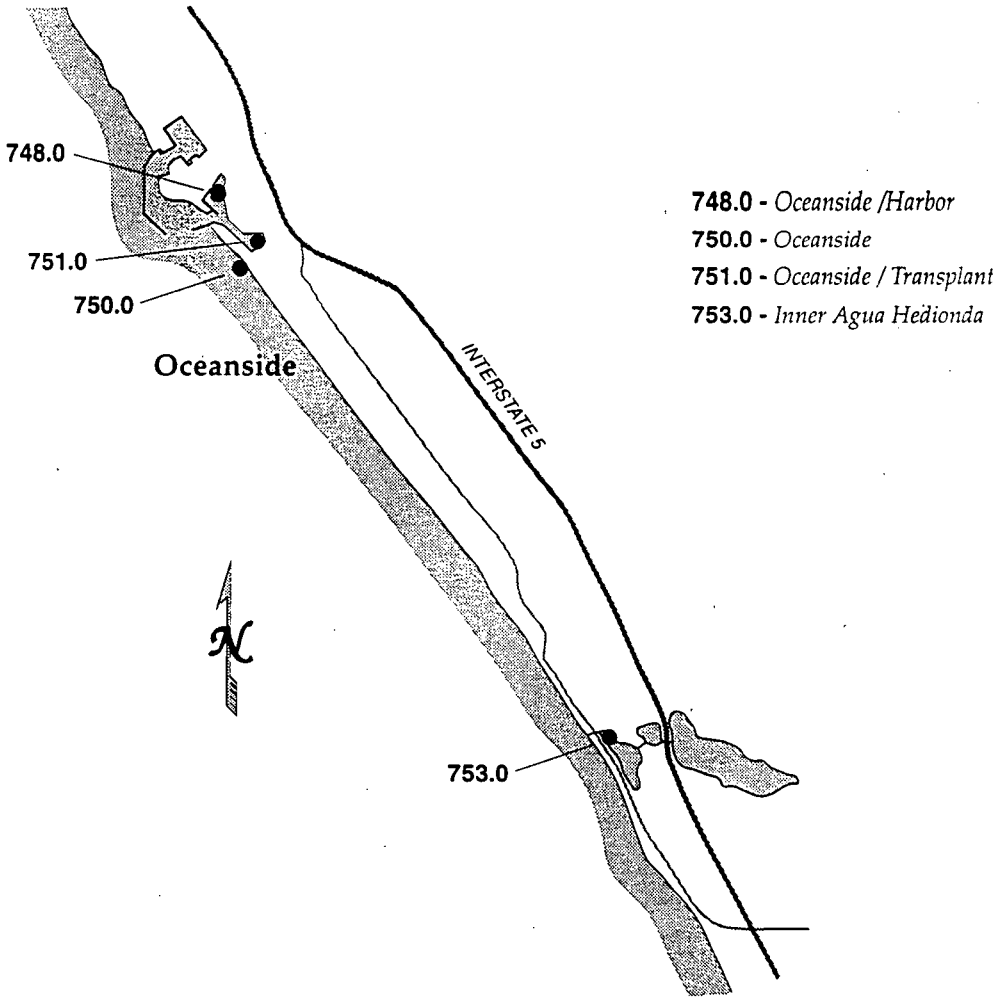




STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

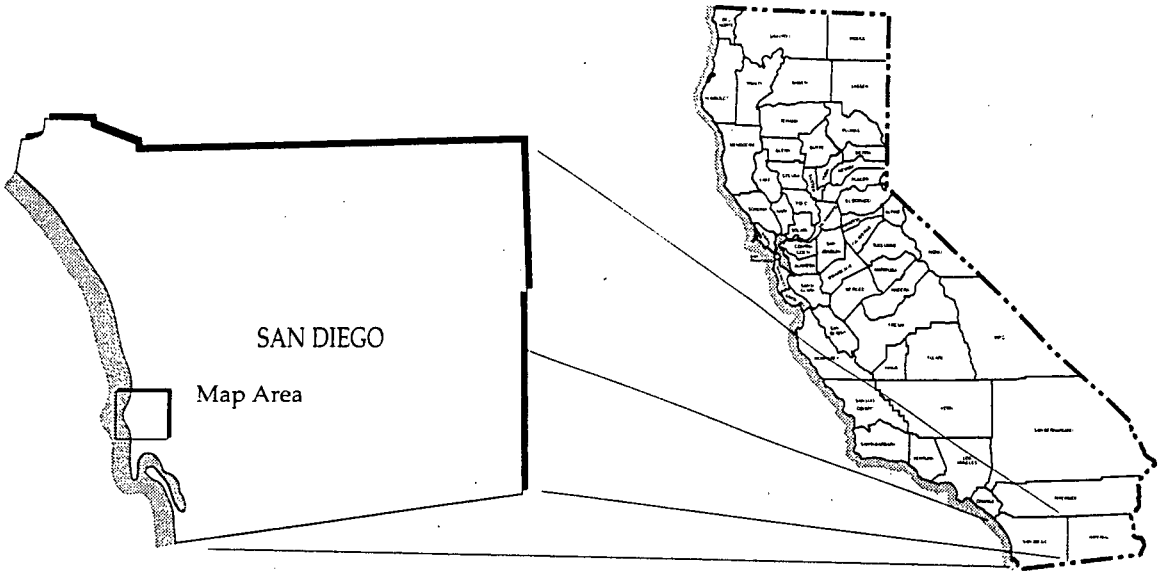
San Diego Co. - Oceanside Area

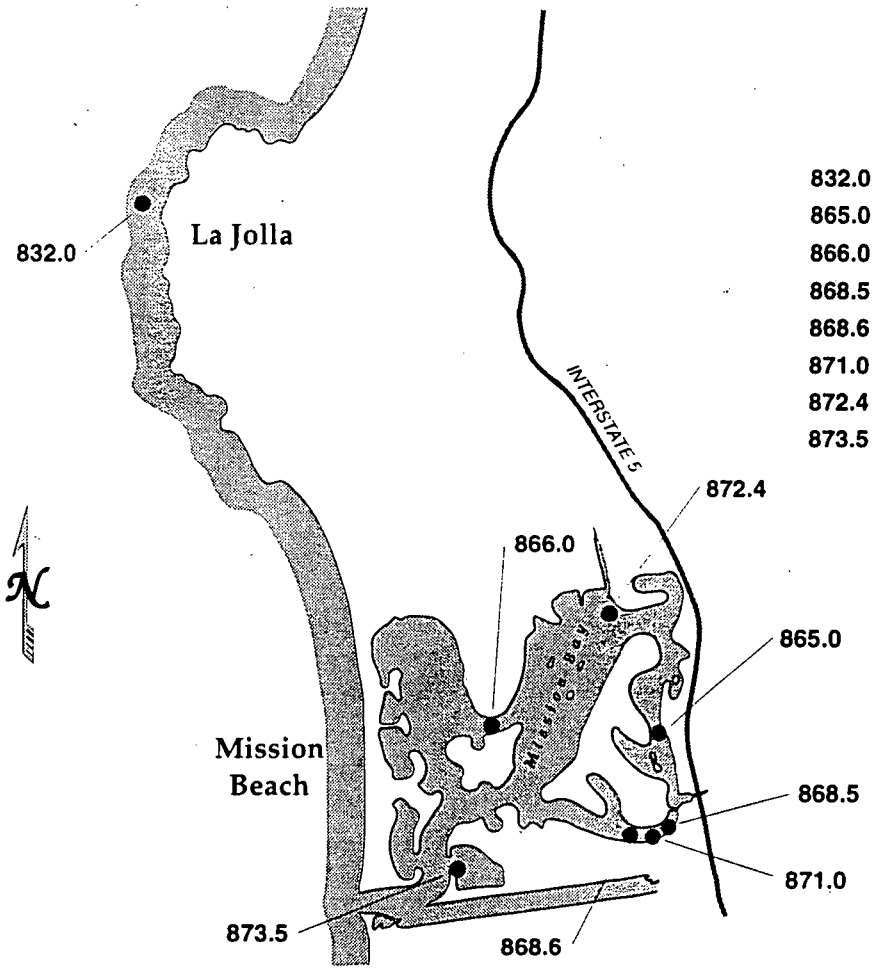




STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

San Diego Co. - Mission Bay Area

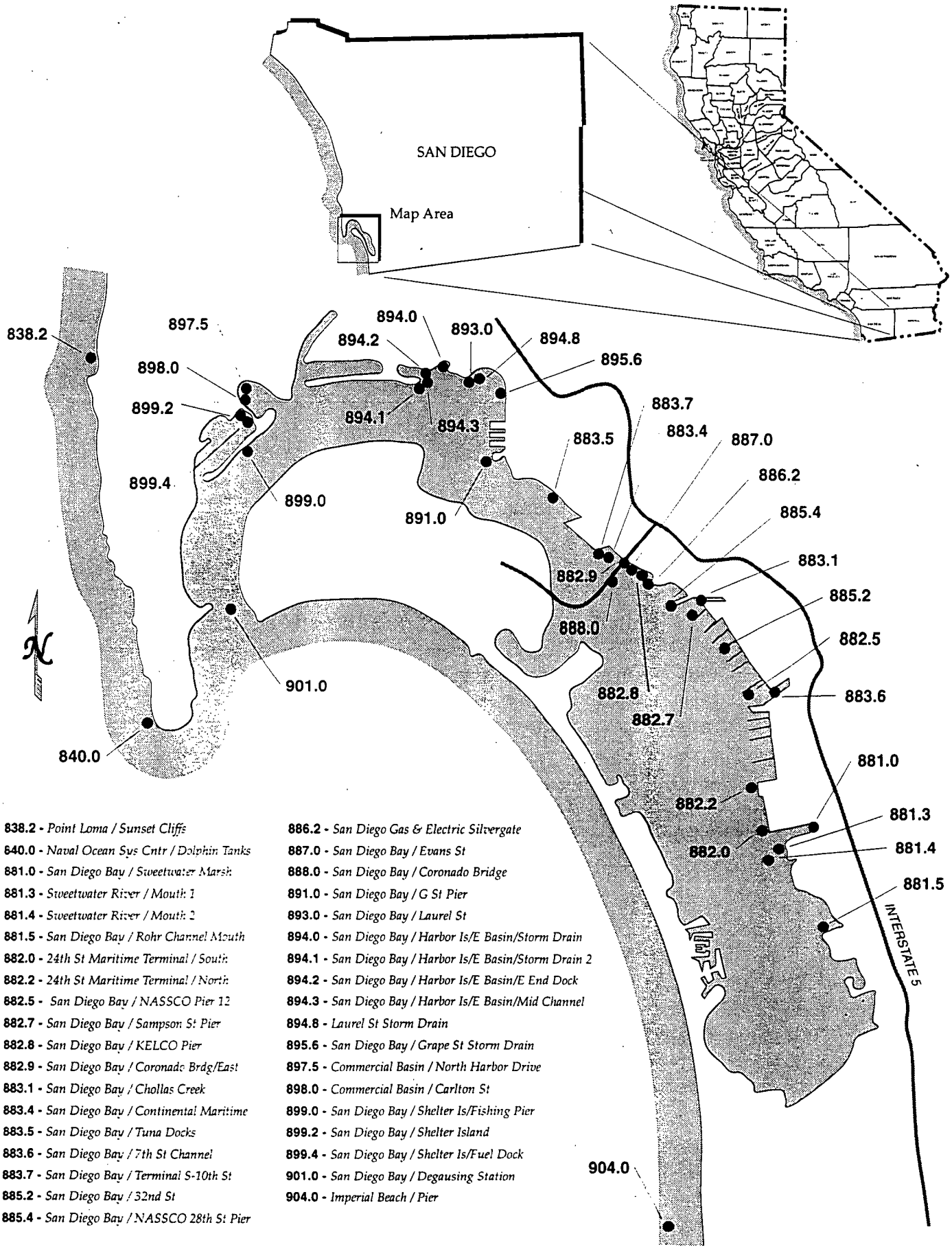




832.0 - *La Jolla*
865.0 - *Mission Bay / Hilton Docks*
866.0 - *Fisherman Channel*
868.5 - *Mission Bay / Landfill 1*
868.6 - *Mission Bay / Landfill 2*
871.0 - *Mission Bay / South Shore/Rock 2*
872.4 - *Mission Bay / Kendall-Frost Reserve*
873.5 - *Mission Bay / Harbor Police*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

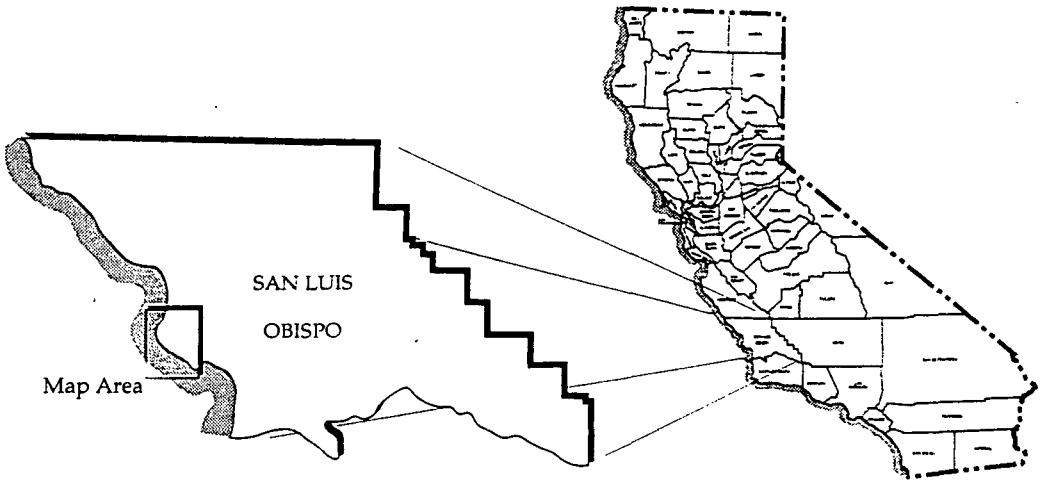
San Diego Co. - San Diego Bay Area

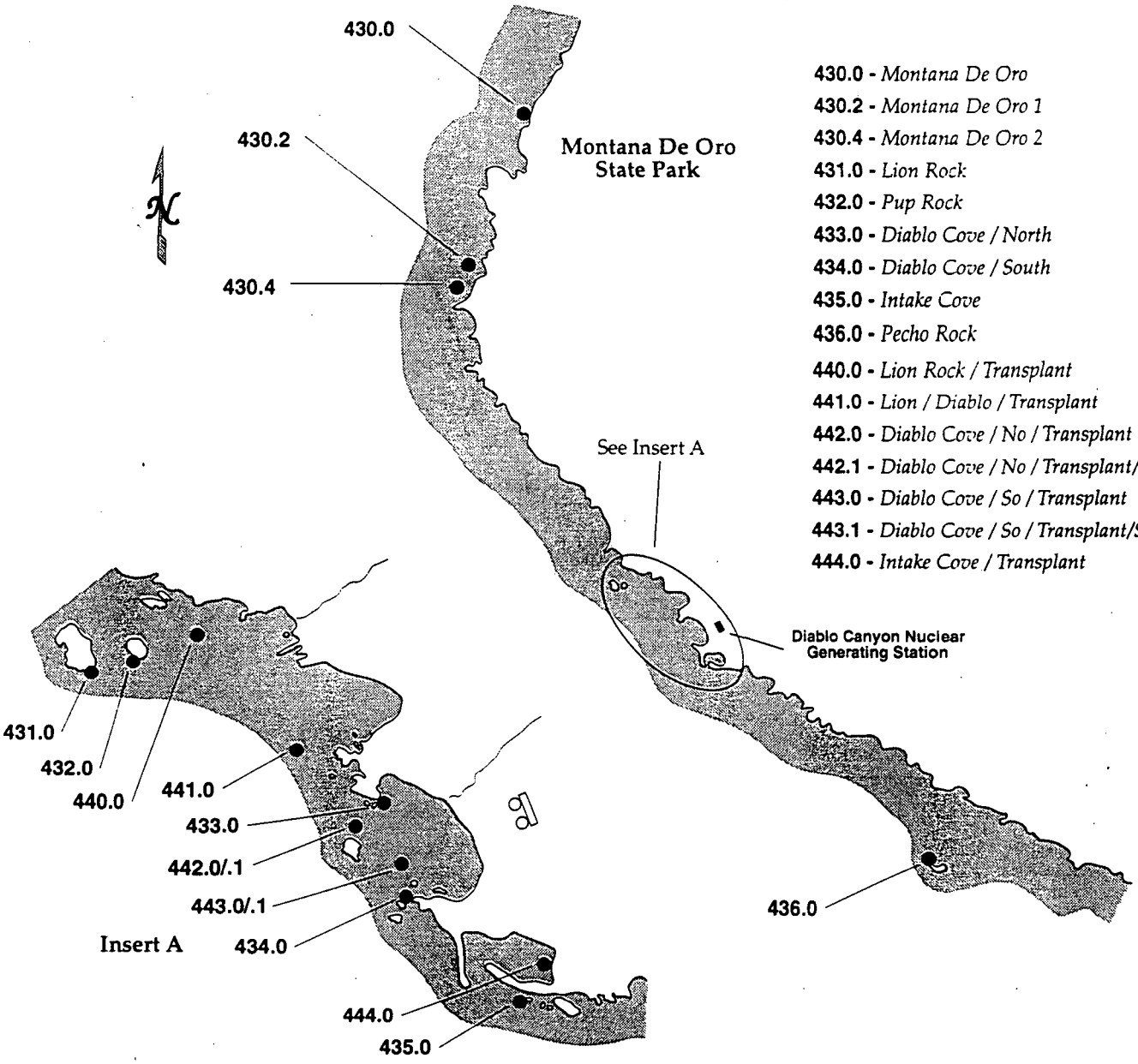


838.2 - *Point Loma / Sunset Cliffs*
640.0 - *Naval Ocean Sys Cntr / Dolphin Tanks*
881.0 - *San Diego Bay / Sweetwater Marsh*
881.3 - *Sweetwater River / Mouth 1*
881.4 - *Sweetwater River / Mouth 2*
881.5 - *San Diego Bay / Rohr Channel Mouth*
882.0 - *24th St Maritime Terminal / South*
882.2 - *24th St Maritime Terminal / North*
882.5 - *San Diego Bay / NASSCO Pier 12*
882.7 - *San Diego Bay / Sampson St Pier*
882.8 - *San Diego Bay / KELCO Pier*
882.9 - *San Diego Bay / Coronado Brdg/East*
883.1 - *San Diego Bay / Chollas Creek*
883.4 - *San Diego Bay / Continental Maritime*
883.5 - *San Diego Bay / Tuna Docks*
883.6 - *San Diego Bay / 7th St Channel*
883.7 - *San Diego Bay / Terminal S-10th St*
885.2 - *San Diego Bay / 32nd St*
885.4 - *San Diego Bay / NASSCO 28th St Pier*
886.2 - *San Diego Gas & Electric Silvergate*
887.0 - *San Diego Bay / Evans St*
888.0 - *San Diego Bay / Coronado Bridge*
891.0 - *San Diego Bay / G St Pier*
893.0 - *San Diego Bay / Laurel St*
894.0 - *San Diego Bay / Harbor Is/E Basin/Storm Drain*
894.1 - *San Diego Bay / Harbor Is/E Basin/Storm Drain 2*
894.2 - *San Diego Bay / Harbor Is/E Basin/E End Dock*
894.3 - *San Diego Bay / Harbor Is/E Basin/Mid Channel*
894.8 - *Laurel St Storm Drain*
895.6 - *San Diego Bay / Grape St Storm Drain*
897.5 - *Commercial Basin / North Harbor Drive*
898.0 - *Commercial Basin / Carlton St*
899.0 - *San Diego Bay / Shelter Is/Fishing Pier*
899.2 - *San Diego Bay / Shelter Island*
899.4 - *San Diego Bay / Shelter Is/Fuel Dock*
901.0 - *San Diego Bay / Degausing Station*
904.0 - *Imperial Beach / Pier*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

San Luis Obispo Co. - Diablo Canyon Area

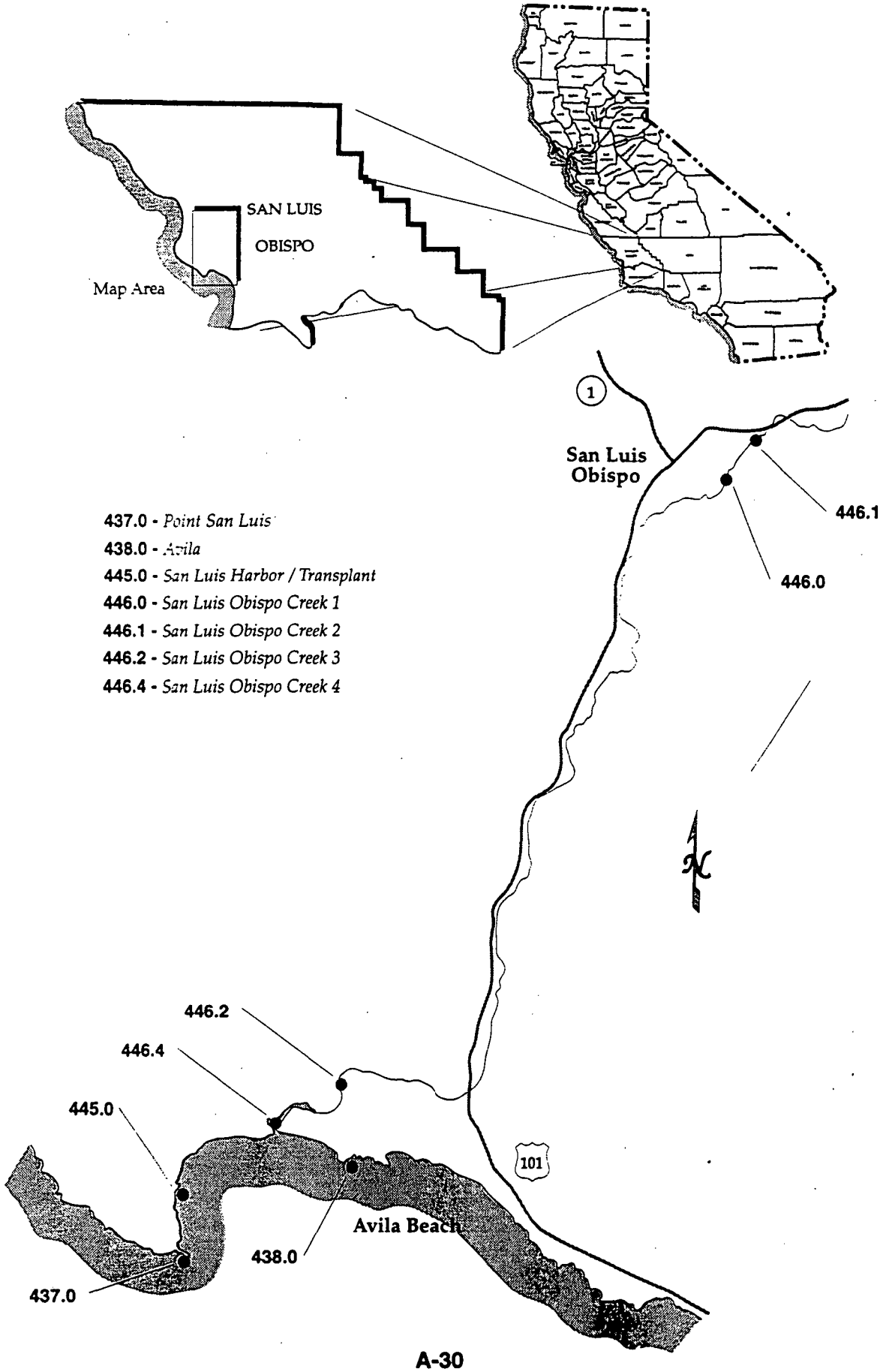




430.0 - *Montana De Oro*
430.2 - *Montana De Oro 1*
430.4 - *Montana De Oro 2*
431.0 - *Lion Rock*
432.0 - *Pup Rock*
433.0 - *Diablo Cove / North*
434.0 - *Diablo Cove / South*
435.0 - *Intake Cove*
436.0 - *Pecho Rock*
440.0 - *Lion Rock / Transplant*
441.0 - *Lion / Diablo / Transplant*
442.0 - *Diablo Cove / No / Transplant*
442.1 - *Diablo Cove / No / Transplant/Shallow*
443.0 - *Diablo Cove / So / Transplant*
443.1 - *Diablo Cove / So / Transplant/Shallow*
444.0 - *Intake Cove / Transplant*

STATE MUSSEL WATCH 1987-93 SAMPLING STATIONS

San Luis Obispo Co. - San Luis Obispo Area



APPENDIX B

1987-93 Sampling Stations - Latitude and Longitude

APPENDIX B

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
1.0	Crescent City Harbor	1	Del Norte	44 44 31	124 11 39
2.0	Crescent City/STP Outfall	1	Del Norte	44 40 01	124 12 10
2.1	Crescent City Harbor Jetty	1	Del Norte	41 44 05	124 10 52
3.0	Crescent City/Control	1	Del Norte	44 46 13	124 14 53
10.0	Trinidad Head	1	Humboldt	41 03 30	124 09 00
95.0	McDaniel Slough	1	Humboldt	40 52 00	124 06 05
99.0	Mad River/Oyster Docks	1	Humboldt	40 53 20	124 08 58
100.0	Mad River Slough	1	Humboldt	40 51 56	124 08 53
100.5	Arcata Dock	1	Humboldt	40 50 40	124 07 00
100.6	Mad River/Oyster Bed	1	Humboldt	40 46 41	124 08 42
100.8	Bird Island	1	Humboldt	40 49 03	124 09 24
101.0	Samoa Bridge/West	1	Humboldt	40 49 24	124 10 10
102.0	Samoa Bridge/East	1	Humboldt	40 48 48	124 09 29
102.5	Woodley Island	1	Humboldt	40 48 30	124 10 25
103.0	Eureka Channel	1	Humboldt	40 47 20	124 11 17
103.2	Louisiana Pacific Dock	1	Humboldt	40 48 15	124 11 10
103.3	E Street	1	Humboldt	40 48 23	124 09 57
103.7	Eda Dock	1	Humboldt	40 48 05	124 10 55
104.0	Eureka STP/Outfall	1	Humboldt	40 46 15	124 12 30
104.5	Eureka STP/Control	1	Humboldt	40 44 35	124 13 25
106.0	Fields Landing	1	Humboldt	40 43 54	124 13 05
150.4	Noyo Harbor	1	Mendocino	39 25 03	123 47 06
155.1	Lake Pillsbury 1	1	Lake	39 24 46	122 57 25
155.3	Lake Pillsbury 2	1	Lake	39 24 13	122 57 16
159.0	Russian River West Fork	1	Mendocino	39 11 03	123 11 43
160.0	Lake Mendocino	1	Mendocino	39 11 05	123 10 54
165.0	Russian River Below Ukiah	1	Mendocino	39 06 00	123 11 26
175.0	Big Sulfur Creek	1	Sonoma	38 48 05	122 56 55
176.0	Lake Sonoma	1	Sonoma	38 43 00	123 11 05
190.0	Estero Americano	1	Sonoma/Marin	38 17 49	123 00 13
202.0	Bodega Head	1	Sonoma	38 18 42	123 04 07
203.0	Tomales Bay	2	Marin	38 08 56	123 54 09
204.0	Estero De San Antonio	1	Sonoma/Marin	38 16 11	122 58 47
205.0	Bodega Harbor/Spud Point Marina	1	Sonoma	38 19 53	123 03 34
207.0	Point Reyes	2	Marin	37 59 35	122 59 16
280.0	Russian River/S Goat Rock	1	Sonoma	38 26 58	123 07 30
290.0	Russian River/near Moscow	1	Sonoma	38 27 18	123 02 55
294.1	Mark West Creek/Slusser Road	1	Sonoma	38 29 10	122 49 20
294.2	Windsor Creek/Mark West Station Rd	1	Sonoma	38 30 50	122 50 15
294.5	Green Valley Creek 1	1	Sonoma	38 28 34	122 55 55
294.6	Green Valley Creek 2	1	Sonoma	38 27 01	122 55 18
295.1	Santa Rosa Fl Con Ch/Willowside Rd	1	Sonoma	38 26 21	122 45 32
295.2	Laguna de Santa Rosa/Stony Point	1	Sonoma	38 21 13	122 44 03
295.3	Mark West Creek/Wholer Road	1	Sonoma	38 29 34	122 49 24
295.4	Russian River/Wholer Bridge	1	Sonoma	38 30 13	122 53 06

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
295.5	Russian River/Hacienda Bridge	1	Sonoma	38 31 04	122 55 32
297.0	Putah Creek	5	Solano	38 31 01	121 46 20
298.0	Brannan Island	5	Sacramento	38 07 25	121 40 00
298.3	Concord Naval/Pier 4	2	Contra Costa	38 03 25	122 00 01
298.4	Concord Naval/Seal Island	2	Contra Costa	38 03 21	122 02 23
299.1	Selby Slag 4	2	Contra Costa	38 03 25	122 14 52
299.2	Selby Slag 5	2	Contra Costa	38 03 29	122 14 48
299.3	Selby Slag 6	2	Contra Costa	38 03 31	122 14 19
299.4	Selby Slag 7	2	Contra Costa	38 03 28	122 13 54
300.2	Mare Island	2	Solano	38 04 30	122 14 45
301.0	Davis Point	2	Contra Costa	38 03 09	122 15 36
301.4	Union Oil Outfall	2	Contra Costa	38 02 44	122 15 43
302.0	Point Pinole	2	Contra Costa	38 01 00	122 21 48
302.4	Castro Cove Bridge	2	Contra Costa	37 57 10	122 23 09
303.1	Santa Fe Channel/Mouth	2	Contra Costa	37 54 30	122 21 40
303.2	Lauritzen Canal/Mouth	2	Contra Costa	37 55 15	122 22 00
303.3	Lauritzen Canal/End	2	Contra Costa	37 54 48	122 21 55
303.4	Santa Fe Channel/End	2	Contra Costa	37 55 30	122 22 45
303.6	Richmond Inner Harbor Basin	2	Contra Costa	37 54 45	122 21 00
304.4	Serl Intake	2	Contra Costa	37 54 12	122 19 54
304.6	Point Isabel	2	Contra Costa	37 53 54	122 19 31
306.0	San Francisco Bay/Fort Baker	2	Marin	37 49 51	122 28 26
306.5	Alcatraz Island	2	San Francisco	37 49 40	122 25 13
307.0	San Francisco Bay/Treasure Is	2	San Francisco	37 48 53	122 20 20
307.2	Alameda Yacht Harbor	2	Alameda	37 46 45	122 15 15
307.4	Oakland Inner Hbr/Embarcadero Cove	2	Alameda	37 46 50	122 14 40
307.5	Lake Merritt	2	Alameda	37 47 34	122 15 43
307.6	Oakland Back Harbor	2	Alameda	37 45 30	122 13 25
307.8	San Francisco Outfall	2	San Francisco	37 44 55	122 22 30
307.9	San Francisco/Islais Channel	2	San Francisco	37 44 51	122 23 05
308.0	San Francisco Bay/Hunter's Point	2	San Francisco	37 41 42	122 20 27
308.2	Hunter's Point/Shipyard	2	San Francisco	37 42 08	122 22 27
309.0	San Mateo Bridge/8B	2	San Mateo	37 36 21	122 17 20
313.0	San Francisco Bay/near Redwood Cr	2	San Mateo	37 33 09	122 11 45
321.0	Dumbarton Bridge/Channel Marker 14	2	San Mateo	37 30 50	122 07 58
323.3	Palo Alto Outfall	2	Santa Clara	37 27 51	122 06 42
326.0	Palo Alto/Channel Marker 8	2	San Mateo	37 27 38	122 03 06
336.0	J. Fitzgerald	2	San Mateo	37 30 45	122 30 30
399.2	Pescadero Creek	2	San Mateo	37 14 57	122 23 40
399.3	Waddell Creek	3	Santa Cruz	37 06 15	122 16 20
399.5	San Lorenzo River	3	Santa Cruz	36 57 57	122 00 42
399.7	San Lorenzo River/Felton	3	Santa Cruz	37 03 03	122 03 14
400.2	Younger Lagoon	3	Santa Cruz	36 57 06	122 03 30
400.6	Santa Cruz/Natural Bridges	3	Santa Cruz	37 55 02	122 03 50
400.8	Aptos Creek	3	Santa Cruz	37 00 00	121 54 35

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
401.1	Santa Cruz/T Dock	3	Santa Cruz	36 58 04	122 00 05
401.3	Moss Landing/Yacht Harbor	3	Monterey	36 48 47	121 47 10
401.5	Watsonville Slough/Bridge	3	Santa Cruz	36 54 24	121 47 47
401.6	Harkins Slough Bridge	3	Santa Cruz	36 54 25	121 48 00
401.8	San Andreas Road	3	Santa Cruz	36 52 56	121 48 20
401.9	Pajaro River Estuary	3	Monterey	36 51 17	121 48 07
402.1	Azevedo Pond	3	Monterey	36 49 38	121 44 34
402.2	Parson's Slough	3	Monterey	36 48 55	121 44 39
402.3	Elkhorn Slough/Pacific Mariculture	3	Monterey	36 48 45	121 46 15
402.5	Elkhorn Slough/Tidal Pond	3	Monterey	36 49 30	121 44 06
403.0	Elkhorn Slough/Highway 1 Bridge	3	Monterey	36 48 35	121 47 00
403.2	Moro Cojo	3	Monterey	36 48 09	121 03 06
403.5	Moss Landing/South Harbor	3	Monterey	36 48 06	121 47 03
403.6	Moro Cojo Slough	3	Monterey	36 47 56	121 47 02
404.0	Sandholdt Bridge	3	Monterey	36 48 01	121 47 12
405.2	Old Salinas River 2	3	Monterey	36 44 27	121 47 42
405.3	Old Salinas River 1	3	Monterey	36 43 54	121 46 51
405.6	Salinas River Lag 1	3	Monterey	36 45 12	121 48 00
405.7	Salinas River Lag 2	3	Monterey	36 47 06	121 47 30
406.0	Westley Station	5	Stanislaus	37 31 21	121 13 10
406.5	Tembladero Slough	3	Monterey	36 46 18	121 47 12
407.4	Blanco Pump/West	3	Monterey	36 42 45	121 44 35
408.9	Salinas/Reclamation Canal 3	3	Monterey	36 38 50	121 36 15
409.0	Salinas/Reclamation Canal 4	3	Monterey	36 38 10	121 35 40
414.0	Pacific Grove	3	Monterey	36 38 18	121 55 46
421.7	Monterey Harbor/Marina	3	Monterey	36 36 08	121 53 21
421.8	Monterey Harbor/Marina/Pier B	3	Monterey	36 36 32	121 53 23
423.1	Carmel Bay/New Control	3	Monterey	36 33 33	121 56 55
423.2	Carmel STP/Control	3	Monterey	36 31 55	121 56 35
423.3	Carmel River	3	Monterey	36 32 10	121 55 30
423.4	Carmel STP/10m North	3	Monterey	36 32 05	121 55 25
423.5	Carmel STP/30m South	3	Monterey	36 32 26	121 56 11
423.6	Carmel STP/10m South	3	Monterey	36 32 00	121 55 25
423.7	Carmel STP/100m South	3	Monterey	36 32 24	121 56 09
423.9	Carmel STP/300m South	3	Monterey	36 32 18	121 56 00
424.5	Granite Canyon/Control	3	Monterey	53 36 26	121 55 27
425.4	Lake San Antonio/Buoy	3	Monterey	35 49 00	121 55 00
425.6	Lake San Antonio	3	Monterey	35 53 00	121 58 00
426.5	Cayucos Pier	3	San Luis Obispo	35 21 20	121 54 20
428.0	Cayucos	3	San Luis Obispo	35 21 20	121 54 30
429.2	Morro Bay/Boat Works	3	San Luis Obispo	35 21 59	121 51 12
430.0	Montana De Oro	3	San Luis Obispo	35 17 24	121 53 05
430.2	Montana De Oro 1	3	San Luis Obispo	35 15 43	120 54 02
430.4	Montana De Oro 2	3	San Luis Obispo	35 15 38	120 54 06
431.0	Lion Rock	3	San Luis Obispo	35 13 02	120 53 44

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
432.0	Pup Rock	3	San Luis Obispo	35 13 01	120 53 54
433.0	Diablo Cove/North	3	San Luis Obispo	35 13 17	120 51 32
434.0	Diablo Cove/South	3	San Luis Obispo	35 12 35	120 51 29
435.0	Intake Cove	3	San Luis Obispo	35 12 20	120 51 13
436.0	Pecho Rock	3	San Luis Obispo	35 10 47	120 48 58
437.0	Point San Luis	3	San Luis Obispo	35 09 21	120 45 04
438.0	Avila	3	San Luis Obispo	35 10 27	120 43 27
440.0	Lion Rock/Transplant	3	San Luis Obispo	35 13 04	120 52 05
441.0	Lion/Diablo/Transplant	3	San Luis Obispo	35 12 59	120 51 52
442.0	Diablo Cove/North/Transplant	3	San Luis Obispo	35 12 45	120 51 42
442.1	Diablo Cove/N/Transplant/Shallow	3	San Luis Obispo	32 12 45	120 51 42
443.0	Diablo Cove/South/Transplant	3	San Luis Obispo	35 12 33	120 51 32
443.1	Diablo Cove/S/Transplant/Shallow	3	San Luis Obispo	35 12 33	120 50 32
444.0	Intake Cove/Transplant	3	San Luis Obispo	35 12 25	120 51 11
445.0	San Luis Harbor/Transplant	3	San Luis Obispo	35 10 07	120 45 12
446.0	San Luis Obispo Creek 1	3	San Luis Obispo	35 17 05	120 39 10
446.1	San Luis Obispo/Creek 2	3	San Luis Obispo	35 17 58	120 37 45
446.2	San Luis Obispo Creek 3	3	San Luis Obispo	35 17 05	120 39 10
446.4	San Luis Obispo/Creek 4	3	San Luis Obispo	35 11 21	120 44 30
450.0	Point Conception	3	Santa Barbara	34 26 55	120 27 45
455.0	Gaviota	3	Santa Barbara	34 28 13	120 13 29
460.0	Goleta Slough 1	3	Santa Barbara	34 24 56	119 49 47
460.1	Goleta Slough 2	3	Santa Barbara	34 24 05	119 49 40
460.2	Goleta Slough 3	3	Santa Barbara	34 25 07	119 49 44
460.3	Goleta Slough 4	3	Santa Barbara	34 25 21	119 49 47
470.0	Santa Barbara Harbor	3	Santa Barbara	34 24 20	119 14 25
471.0	Mission Creek	3	Santa Barbara	34 24 43	119 41 10
472.0	Waste Slough/Laguna Drainage	3	Santa Barbara	34 24 46	119 41 00
475.0	Carpinteria Marsh	3	Santa Barbara	34 24 00	119 32 14
480.0	Lake Isabella	5	Kern	35 49 00	121 55 00
485.0	Ventura Marina	4	Ventura	34 14 29	119 15 41
485.2	Ventura River Estuary	4	Ventura	34 18 00	119 21 00
487.1	Santa Clara River Estuary 1	4	Ventura	34 14 07	119 15 20
487.3	Santa Clara River Estuary 2	4	Ventura	34 14 07	119 15 20
506.1	Port Hueneme/Wharf B	4	Ventura	34 09 12	119 12 33
506.2	Port Hueneme/Wharf 1	4	Ventura	34 08 52	119 12 10
506.3	Port Hueneme/Entrance	4	Ventura	34 08 42	119 12 35
507.1	Mugu Lagoon/L Street	4	Ventura	34 06 24	119 06 27
507.2	Mugu Lagoon/Laguna Road	4	Ventura	34 06 06	119 05 42
507.3	Mugu Lagoon/Calleguas Creek	4	Ventura	34 06 24	119 05 15
507.4	Ag Drain/Etting Road	4	Ventura	34 09 41	119 07 33
507.6	Ag Drain/Pleasant Valley Road	4	Ventura	34 10 19	119 07 25
507.7	Revolon Slough/Las Posas Rd	4	Ventura	34 07 40	119 04 44
507.8	Revolon Slough	4	Ventura	34 08 12	119 05 57

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
508.1	Mugu Drainage 1	4	Ventura	34 06 03	119 04 55
508.2	Mugu Drainage 2	4	Ventura	34 08 04	119 06 22
508.3	Mugu Drainage 3	4	Ventura	34 09 02	119 05 35
508.4	Mugu Drainage 4	4	Ventura	34 09 00	119 06 26
508.5	Mugu Drainage 5	4	Ventura	34 09 00	119 03 30
508.6	Mugu Drainage 6	4	Ventura	34 11 03	118 59 58
508.7	Mugu Drainage 7	4	Ventura	34 13 00	119 01 10
509.0	Calleguas	4	Ventura	34 06 03	119 05 32
553.0	Marina Del Rey/Entrance	4	Los Angeles	33 57 37	118 27 41
554.0	Marina Del Rey/Harbor Patrol Docks	4	Los Angeles	33 58 15	118 26 45
555.0	Marina Del Rey/Basin G	4	Los Angeles	33 58 43	118 26 32
555.2	Marina Del Rey/Basin D	4	Los Angeles	33 58 50	118 26 59
556.0	Marina Del Rey/Basin E	4	Los Angeles	33 58 57	118 27 15
557.0	Marina Del Rey/Ballona Creek	4	Los Angeles	33 57 52	118 27 06
559.0	King Harbor	4	Los Angeles	33 51 13	118 23 51
601.0	LA Harbor/National Steel	4	Los Angeles	33 45 41	118 15 07
602.0	LA Harbor/West Basin	4	Los Angeles	33 46 03	118 16 43
602.5	LA Harbor/Todd Shipyards	4	Los Angeles	33 45 13	118 16 40
602.6	LA Harbor/Berth 50	4	Los Angeles	33 43 00	118 16 21
602.7	LA Harbor/Pacific Ave/Storm Drain	4	Los Angeles	33 45 17	118 17 07
602.8	LA Harbor/Berth 49	4	Los Angeles	33 42 57	118 16 18
602.9	LA Harbor/Berth 51	4	Los Angeles	33 43 00	118 16 24
603.0	LA Harbor/Berth 151	4	Los Angeles	33 45 13	118 16 08
603.6	LA Harbor/Slip 240	4	Los Angeles	33 43 49	118 16 10
603.8	LA Harbor/West Channel	4	Los Angeles	33 43 25	118 16 48
604.5	LB Harbor/Berth 212	4	Los Angeles	33 45 42	118 15 07
605.0	LA Harbor/Cabrillo Pier	4	Los Angeles	33 42 29	118 16 31
606.2	LA Harbor/Fish Harbor	4	Los Angeles	33 44 15	118 16 03
606.3	LA Harbor/Watchorn Basin	4	Los Angeles	33 43 08	118 16 26
609.0	LB Harbor/Tide Gauge	4	Los Angeles	33 44 18	118 11 46
616.0	LA Harbor/Consolidated Slip	4	Los Angeles	33 46 36	118 14 30
617.6	Point Fermin	4	Los Angeles	33 42 24	118 17 06
617.9	Cabrillo Beach/Ocean Side	4	Los Angeles	33 42 24	118 16 30
618.0	LA Harbor/Angels Gate	4	Los Angeles	33 42 30	118 15 00
619.0	LA Harbor/San Pedro Boatworks	4	Los Angeles	33 43 32	118 16 29
619.2	San Pedro Breakwater	4	Los Angeles	33 42 18	118 15 54
620.0	LB Harbor/JH Baxter 80	4	Los Angeles	33 46 28	118 12 55
621.0	LA Harbor/Berth 120	4	Los Angeles	33 45 25	118 16 38
622.0	LA Harbor/Commer Marine	4	Los Angeles	33 44 16	118 15 55
648.0	Malibu	4	Los Angeles	34 01 48	118 40 48
648.1	Malibu Lagoon/Channel A	4	Los Angeles	34 01 55	118 40 45
648.3	Malibu Lagoon/Channel C	4	Los Angeles	34 01 50	118 40 50
648.5	Malibu Lagoon/PCH	4	Los Angeles	34 02 00	118 40 45
650.0	Santa Monica	4	Los Angeles	34 00 48	118 30 18
656.0	Manhattan Beach	4	Los Angeles	33 53 12	118 24 30

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
658.0	Redondo Beach	4	Los Angeles	33 50 22	118 23 36
662.0	Royal Palms	4	Los Angeles	33 43 00	118 19 15
664.0	Cabrillo Beach	4	Los Angeles	33 42 22	118 17 11
664.2	Cabrillo Beach Buoy	4	Los Angeles	33 42 22	118 17 11
681.0	Catalina Island/West	4	Los Angeles	33 28 45	118 32 16
682.0	Catalina Island/Ribbon Rock	4	Los Angeles	33 26 18	118 34 18
707.0	Anaheim Bay/Navy Harbor	8	Orange	33 43 52	118 05 11
708.0	Anaheim Bay/Navy Marsh	8	Orange	33 43 21	118 04 46
708.5	Anaheim Bay/Navy Marsh 2	8	Orange	33 44 15	118 04 39
710.2	Anaheim Bay/Fuel Docks/South	8	Orange	33 43 45	118 04 50
713.0	Huntington Harbour/Edinger Street	8	Orange	33 44 00	118 04 12
715.0	Huntington Harbour/Warner Ave Brdg	8	Orange	33 42 40	118 03 35
717.0	Huntington Harbour/Harbor Lane	8	Orange	33 43 30	118 03 18
719.1	Santa Ana River/Prado Dam	8	Riverside	33 53 00	117 38 40
719.8	Temescal Creek/Nichols Road	8	Riverside	33 42 00	117 21 00
720.5	Newport Bay/Offshore Ref	8	Orange	33 35 22	117 52 36
721.0	Newport Bay/Entrance	8	Orange	33 35 50	117 52 52
723.0	Newport Bay/Bay Island	8	Orange	33 36 29	117 54 12
723.4	Newport Bay/Turning Basin	8	Orange	33 37 13	117 55 38
724.0	Newport Bay/Highway 1 Bridge	8	Orange	33 36 57	117 54 19
725.0	Newport Bay/Crows Nest	8	Orange	33 36 43	117 55 38
726.0	Newport Bay/Rhine Channel/Upper	8	Orange	33 36 51	117 55 35
726.2	Newport Bay/Rhine Channel/26th Ave	8	Orange	33 36 47	117 55 37
726.4	Newport Bay/Rhine Channel/End	8	Orange	33 36 51	117 55 35
727.0	Garden Grove/Wintersburg Channel	8	Orange	33 43 48	118 01 03
728.4	Upper Newport Bay/MacArthur	8	Orange	33 39 07	117 51 10
728.5	Upper Newport Bay/Drain 2	8	Orange	33 39 00	117 51 07
728.6	Upper Newport Bay/San Diego Cr 1	8	Orange	33 39 35	117 51 36
728.7	Upper Newport Bay/Drain 4	8	Orange	33 41 03	117 49 12
728.8	Upper Newport Bay/San Diego Cr 2	8	Orange	33 43 15	117 47 50
728.9	Upper Newport Bay/Drain 5	8	Orange	33 42 00	117 48 13
730.0	Huntington Beach Pier	8	Orange	33 39 12	118 00 18
735.0	Corona Del Mar	8	Orange	33 35 24	117 52 06
740.0	Dana Point Harbor/Boat Yard	9	Orange	33 27 17	117 41 30
744.1	San Onofre 1	9	San Diego	33 20 17	117 34 08
744.2	San Onofre 2	9	San Diego	33 20 14	117 33 45
744.3	San Onofre 3	9	San Diego	33 20 01	117 33 50
744.4	San Onofre 4	9	San Diego	33 20 06	117 33 40
744.5	San Onofre 5	9	San Diego	33 19 59	117 33 32
744.6	San Onofre 6	9	San Diego	33 13 23	117 32 13
748.0	Oceanside/Harbor	9	San Diego	33 11 30	117 23 17
750.0	Oceanside	9	San Diego	33 11 35	117 23 15
751.0	Oceanside/Transplant	9	San Diego	33 11 24	117 20 48
753.0	Inner Agua Hedionda	9	San Diego	33 08 33	117 20 06

APPENDIX B (continued)

State Mussel Watch Program

1987-93 Sampling Stations - Latitude and Longitude

Station Number	Station Name	Region	County	Latitude (o ' ")	Longitude (o ' ")
832.0	La Jolla	9	San Diego	32 50 40	117 16 30
838.2	Point Loma/Sunset Cliffs	9	San Diego	33 43 55	117 15 22
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	9	San Diego	32 40 01	117 14 37
865.0	Mission Bay/Hilton Docks	9	San Diego	32 45 33	117 12 43
866.0	Fisherman Channel	9	San Diego	32 46 31	117 14 13
868.5	Mission Bay/Landfill 1	9	San Diego	32 45 00	117 13 22
868.6	Mission Bay/Landfill 2	9	San Diego	32 47 19	117 13 27
871.0	Mission Bay/South Shore/Rock 2	9	San Diego	32 45 57	117 12 43
872.4	Mission Bay/Kendall-Frost Reserve	9	San Diego	36 47 53	117 14 11
873.5	Mission Bay/Harbor Police	9	San Diego	32 45 42	117 14 08
881.0	San Diego Bay/Sweetwater Marsh	9	San Diego	32 37 48	117 06 29
881.3	Sweetwater River/Mouth 1	9	San Diego	32 38 32	117 07 07
881.4	Sweetwater River/Mouth 2	9	San Diego	32 38 32	117 07 07
881.5	San Diego Bay/Rohr Channel Mouth	9	San Diego	32 42 51	117 06 26
882.0	24th St Maritime Terminal/South	9	San Diego	32 39 24	117 07 18
882.2	24Th St Maritime Terminal/North	9	San Diego	32 39 24	117 07 18
882.5	San Diego Bay/NASSCO Pier 12	9	San Diego	32 40 16	117 07 17
882.7	San Diego Bay/Sampson Street Pier	9	San Diego	32 41 00	117 07 50
882.8	San Diego Bay/KELCO Pier	9	San Diego	32 41 25	117 08 35
882.9	San Diego Bay/Coronado Brdg/East	9	San Diego	32 41 35	117 08 52
883.1	San Diego Bay/Chollas Creek	9	San Diego	32 41 16	117 07 58
883.4	San Diego Bay/Continental Maritime	9	San Diego	32 41 38	117 08 58
883.5	San Diego Bay/Tuna Docks	9	San Diego	32 42 08	117 09 25
883.6	San Diego Bay/7th Street Channel	9	San Diego	32 40 21	117 06 56
883.7	San Diego Bay/Terminal S-10th St	9	San Diego	32 41 48	117 09 06
885.2	San Diego Bay/32nd Street	9	San Diego	32 40 40	117 07 37
885.4	San Diego Bay/NASSCO 28th St Pier	9	San Diego	32 41 14	117 08 19
886.2	San Diego Gas&Electric Silvergate	9	San Diego	32 41 35	117 08 49
887.0	San Diego Bay/Evans Street	9	San Diego	32 41 32	117 08 48
888.0	San Diego Bay/Coronado Bridge	9	San Diego	32 41 36	117 08 42
891.0	San Diego Bay/G Street Pier	9	San Diego	32 42 44	117 10 30
893.0	San Diego Bay/Laurel Street	9	San Diego	32 43 37	117 10 38
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	9	San Diego	32 43 38	117 11 05
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	9	San Diego	32 43 37	117 11 06
894.2	SD Bay/Harbor Is/E Basin/E End Doc	9	San Diego	32 43 37	117 11 11
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	9	San Diego	32 43 38	117 11 07
894.8	Laurel Street Storm Drain	9	San Diego	32 43 36	117 10 45
895.6	San Diego Bay/Grape St Storm Drain	9	San Diego	32 43 21	117 10 22
897.5	Commercial Basin/North Harbor Dr	9	San Diego	32 43 27	117 13 23
898.0	Commercial Basin/Carlton Street	9	San Diego	32 43 18	117 13 35
899.0	San Diego Bay/Shelter Is/Fshg Pier	9	San Diego	32 42 42	117 13 42
899.2	San Diego Bay/Shelter Island	9	San Diego	32 43 03	117 13 38
899.4	San Diego Bay/Shelter Is/Fuel Dock	9	San Diego	32 43 07	117 13 31
901.0	San Diego Bay/Degausing Station	9	San Diego	32 41 13	117 13 39
904.0	Imperial Beach/Pier	9	San Diego	32 34 45	117 08 05

APPENDIX C

1987- 93 Sample Information

APPENDIX C

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
1.0	Crescent City Harbor	SED	03/12/92	NA	NA/39.1	NA	NA/NA	SO
2.0	Crescent City/STP Outfall	RCM	02/12/88	NA	83.9/82.8	0.75	54.0/55.0	TESO
2.0	Crescent City/STP Outfall	RCM	02/17/89	NA	76.0/81.3	1.59	49.8/52.3	TESO
2.0	Crescent City/STP Outfall	RCM	02/23/90	NA	84.2/87.2	1.10	51.3/56.3	TESO
2.0	Crescent City/STP Outfall	RCM	02/27/90	NA	86.9/83.8	0.62	57.3/58.7	TESO
2.0	Crescent City/STP Outfall	RCM	03/12/92	NA	84.9/85.2	0.84	49.2/55.5	TESO
2.1	Crescent City Harbor Jetty	SED	02/23/90	NA	NA/NA	NA	NA/NA	SO
3.0	Crescent City/Control	RCM	02/12/88	NA	82.4/82.6	0.57	50.0/50.0	TESO
3.0	Crescent City/Control	RCM	02/17/89	NA	79.0/84.1	0.57	54.3/54.3	TESO
3.0	Crescent City/Control	RCM	02/23/90	NA	81.8/83.1	0.80	56.3/51.0	TESO
3.0	Crescent City/Control	RCM	02/27/90	NA	83.8/84.1	0.61	51.7/61.6	TESO
3.0	Crescent City/Control	RCM	03/12/92	NA	83.7/84.6	0.56	35.8/36.5	TESO
10.0	Trinidad Head	RCM	09/08/87	NA	78.1/80.4	0.63	64.0/61.0	TESO
10.0	Trinidad Head	RCM	09/20/88	NA	74.0/81.7	0.86	58.9/63.9	TESO
10.0	Trinidad Head	RCM	09/28/89	NA	76.3/77.4	1.60	66.5/59.1	TESO
10.0	Trinidad Head	RCM	09/18/90	NA	83.9/82.1	0.57	57.1/50.0	TESO
10.0	Trinidad Head	RCM	10/08/91	NA	83.2/81.4	0.94	52.9/56.3	TESO
10.0	Trinidad Head	RCM	10/22/92	NA	79.5/80.4	1.16	51.3/58.1	TESO
95.0	McDaniel Slough	SED	09/18/90	NA	NA/39.8	NA	NA/NA	SO
95.0	McDaniel Slough	SED	10/08/91	NA	NA/38.8	NA	NA/NA	SO
99.0	Mad River/Oyster Docks	TCM	02/11/88	5.1	NA/83.6	0.62	NA/65.0	SO
100.0	Mad River Slough	TCM	02/12/88	5.1	NA/85.3	0.57	NA/58.0	SO
100.0	Mad River Slough	TCM	02/17/89	4.9	NA/80.5	0.91	NA/64.5	SO
100.0	Mad River Slough	SED	02/23/90	NA	NA/28.0	NA	NA/NA	SO
100.0	Mad River Slough	TCM	02/23/90	4.9	NA/85.6	NA	NA/NA	SO
100.0	Mad River Slough	SED	09/18/90	NA	NA/42.4	NA	NA/NA	SO
100.0	Mad River Slough	TCM	02/27/91	5.4	NA/84.1	0.49	NA/61.5	SO
100.0	Mad River Slough	SED	10/08/91	NA	NA/36.7	NA	NA/NA	SO
100.0	Mad River Slough	TCM	02/25/92	4.7	86.0/86.0	0.95	62.4/62.4	TESO
100.5	Arcata Dock	SED	09/18/90	NA	NA/55.8	NA	NA/NA	SO
100.5	Arcata Dock	TCM	02/25/92	4.7	NA/85.1	NA	NA/67.2	SO
100.6	Mad River/Oyster Bed	SED	02/23/90	NA	NA/50.0	NA	NA/NA	SO
100.8	Bird Island	SED	02/23/90	NA	NA/41.0	NA	NA/NA	SO
101.0	Samoa Bridge/West	TCM	02/11/88	5.1	NA/85.0	0.61	NA/60.0	SO
101.0	Samoa Bridge/West	TCM	02/27/91	5.4	83.1/81.4	0.66	61.8/65.3	TESO
102.0	Samoa Bridge/East	TCM	02/17/89	4.9	80.0/81.4	0.80	66.5/60.9	TESO
102.0	Samoa Bridge/East	TCM	02/27/91	5.4	NA/84.0	0.39	NA/66.3	SO
102.0	Samoa Bridge/East	TCM	02/25/92	4.7	87.2/85.9	0.92	63.1/62.3	TESO
102.5	Woodley Island	TCM	02/11/88	5.1	NA/84.8	0.70	NA/66.0	SO
103.0	Eureka Channel	TCM	02/17/89	4.9	77.0/81.7	0.92	65.1/62.5	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
103.0	Eureka Channel	TCM	02/23/90	4.9	NA/83.5	NA	NA/NA	SO
103.0	Eureka Channel	TCM	02/27/91	5.4	NA/82.0	0.84	NA/68.7	SO
103.0	Eureka Channel	TCM	02/25/92	4.7	85.5/84.3	1.14	66.6/62.1	TESO
103.0	Eureka Channel	TCM	02/17/93	3.9	85.5/84.6	0.98	61.5/60.9	TESO
103.2	Louisiana Pacific Dock	TCM	02/11/88	5.1	83.8/83.1	0.59	63.0/67.0	TESO
103.3	E Street	TCM	02/27/91	5.4	NA/83.3	0.62	NA/62.8	SO
103.3	E Street	TCM	02/25/92	4.7	85.4/86.8	0.64	64.3/65.2	TESO
103.7	Eda Dock	TCM	02/27/91	5.4	NA/84.2	0.58	NA/61.9	SO
103.7	Eda Dock	TCM	02/25/92	4.7	86.3/NA	NA	56.8/NA	TE
104.0	Eureka STP/Outfall	TCM	02/11/88	5.1	84.5/83.3	0.85	69.0/60.0	TESO
104.0	Eureka STP/Outfall	TCM	02/23/90	4.9	83.3/82.2	0.90	58.7/63.7	TESO
104.0	Eureka STP/Outfall	TCM	02/27/91	5.4	83.5/81.3	0.44	62.5/64.9	TESO
104.0	Eureka STP/Outfall	TCM	02/25/92	4.7	82.5/82.7	1.27	61.1/64.8	TESO
104.5	Eureka STP/Control	TCM	02/12/88	5.1	84.1/84.1	0.64	66.0/68.0	TESO
104.5	Eureka STP/Control	TCM	02/17/89	4.9	77.0/81.6	0.93	66.5/65.6	TESO
104.5	Eureka STP/Control	TCM	02/23/90	4.9	83.0/82.5	1.10	64.9/65.8	TESO
104.5	Eureka STP/Control	TCM	02/27/91	5.4	82.8/83.4	0.76	60.5/66.1	TESO
104.5	Eureka STP/Control	TCM	02/25/92	4.7	83.9/83.4	0.94	64.9/57.3	TESO
104.5	Eureka STP/Control	TCM	02/17/93	3.9	84.3/84.1	0.92	57.1/58.2	TESO
106.0	Fields Landing	SED	09/18/90	NA	NA/50.4	NA	NA/NA	SO
106.0	Fields Landing	TCM	02/27/91	5.4	NA/84.0	0.76	NA/61.4	SO
106.0	Fields Landing	TCM	02/25/92	4.7	85.8/85.7	NA	66.2/61.8	TESO
150.4	Noyo Harbor	SED	03/20/90	NA	NA/NA	NA	NA/NA	SO
150.4	Noyo Harbor	SED	03/02/93	NA	57.8/55.2	NA	NA/NA	TESO
155.1	Lake Pillsbury 1	TFC	03/31/93	0.9	87.3/88.0	1.37	32.9/32.9	TESO
155.3	Lake Pillsbury 2	TFC	03/31/93	0.9	86.0/87.2	1.88	31.8/31.8	TESO
159.0	Russian River West Fork	TFC	03/20/90	1.4	87.1/NA	NA	19.1/NA	TE
159.0	Russian River West Fork	TFC	01/29/91	2.7	92.3/NA	NA	22.0/NA	TE
159.0	Russian River West Fork	TFC	03/06/92	2.2	90.7/90.8	0.62	27.5/27.5	TESO
159.0	Russian River West Fork	TFC	03/30/93	0.9	85.7/86.7	2.24	32.5/32.5	TESO
160.0	Lake Mendocino	RFC	11/30/89	NA	79.7/83.5	2.21	38.2/38.2	TESO
165.0	Russian River Below Ukiah	TFC	03/20/90	1.4	88.3/89.0	1.16	20.4/20.4	TESO
165.0	Russian River Below Ukiah	TFC	03/06/92	2.2	93.5/93.1	0.49	24.0/24.0	TESO
165.0	Russian River Below Ukiah	TFC	03/30/93	0.9	85.3/86.5	2.86	31.0/31.0	TESO
175.0	Big Sulfur Creek	TFC	03/21/90	1.4	73.5/NA	NA	21.7/NA	TE
175.0	Big Sulfur Creek	TFC	01/29/91	2.7	83.1/NA	NA	21.5/NA	TE
175.0	Big Sulfur Creek	TFC	03/30/93	0.9	88.3/88.6	1.28	32.7/32.7	TESO
176.0	Lake Sonoma	TFC	03/30/93	0.9	86.1/86.6	1.69	32.4/32.4	TESO
190.0	Estero Americano	RCM	12/05/88	NA	83.0/81.0	0.67	52.7/52.7	TESO
190.0	Estero Americano	RCM	02/06/90	NA	81.9/83.2	0.80	51.1/53.9	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
190.0	Estero Americano	RCM	01/29/91	NA	81.4/82.0	0.63	72.0/74.0	TESO
190.0	Estero Americano	RCM	03/05/92	NA	80.3/80.3	0.88	50.8/58.0	TESO
202.0	Bodega Head	RCM	08/14/87	NA	80.1/82.0	0.64	59.0/58.0	TESO
202.0	Bodega Head	RCM	08/24/88	NA	86.0/83.5	0.61	58.6/56.6	TESO
202.0	Bodega Head	RCM	08/28/89	NA	85.2/84.3	0.50	58.2/58.6	TESO
202.0	Bodega Head	RCM	11/14/89	NA	80.5/87.6	1.01	54.3/59.3	TESO
202.0	Bodega Head	RCM	08/22/90	NA	86.1/86.1	0.36	62.9/61.7	TESO
202.0	Bodega Head	RCM	08/28/91	NA	82.3/82.7	0.53	57.5/61.4	TESO
202.0	Bodega Head	RCM	09/01/92	NA	83.3/86.5	0.48	55.3/54.3	TESO
203.0	Tomales Bay	RBM	01/29/91	NA	89.4/88.0	0.31	54.6/56.3	TESO
203.0	Tomales Bay	RBM	12/30/91	NA	85.7/83.7	1.09	60.7/51.5	TESO
204.0	Estero De San Antonio	TCM	02/26/93	4.2	87.4/83.1	0.39	56.5/55.1	TESO
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	5.1	83.0/80.2	1.26	62.1/62.1	TESO
205.0	Bodega Harbor/Spud Point Marina	SED	12/03/89	NA	NA/NA	NA	NA/NA	SO
205.0	Bodega Harbor/Spud Point Marina	SED	01/29/91	NA	NA/56.0	NA	NA/NA	SO
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	5.3	81.7/81.2	1.07	67.9/66.7	TESO
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	NA	62.5/59.3	NA	NA/NA	TESO
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	1.7	84.3/85.1	0.82	58.1/58.7	TESO
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	6.1	82.8/82.4	1.31	64.8/62.9	TESO
207.0	Point Reyes	RCM	01/29/91	NA	84.5/82.8	0.60	49.4/56.3	TESO
280.0	Russian River/S Goat Rock	RCM	12/29/87	NA	79.6/NA	NA	51.0/NA	TE
280.0	Russian River/S Goat Rock	RCM	12/05/88	NA	81.0/NA	NA	50.3/NA	TE
280.0	Russian River/S Goat Rock	TCM	02/25/93	4.2	85.3/85.9	0.80	51.3/56.6	TESO
290.0	Russian River/near Moscow	TFC	02/08/88	4.3	86.8/NA	NA	29.0/NA	TE
290.0	Russian River/near Moscow	TFC	03/30/93	0.9	86.6/87.2	1.78	31.1/31.1	TESO
294.1	Mark West Creek/Slusser Road	TFC	04/07/92	1.1	93.9/NA	NA	23.1/NA	TE
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	3.3	92.4/93.6	0.50	19.9/19.9	TESO
294.5	Green Valley Creek 1	TFC	03/30/93	0.9	83.7/84.1	2.42	33.1/33.1	TESO
294.6	Green Valley Creek 2	TFC	03/30/93	0.9	86.8/87.6	1.76	32.5/32.5	TESO
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	2.6	91.0/94.7	0.38	32.7/32.7	TESO
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	1.4	89.8/90.5	0.98	19.4/19.4	TESO
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	2.8	91.6/91.6	0.76	22.2/22.2	TESO
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	2.6	91.0/91.6	0.63	32.3/32.3	TESO
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	1.4	87.8/87.8	1.20	21.1/21.1	TESO
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	2.8	88.9/89.1	0.99	21.9/21.9	TESO
295.2	Laguna De Santa Rosa/Stony Point	TFC	04/07/92	3.3	91.5/NA	NA	24.1/NA	TE
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	2.6	93.0/92.6	0.64	32.1/32.1	TESO
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	1.4	91.4/91.2	0.69	19.5/19.5	TESO
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	1.1	93.8/94.7	0.34	22.7/22.7	TESO
295.4	Russian River/Wholer Bridge	TFC	12/05/88	2.6	96.0/93.8	0.45	31.3/31.3	TESO

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1987-93 Sample Information

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295.4	Russian River/Wholer Bridge	TFC	03/20/90	1.4	88.6/88.8	0.88	20.4/20.4	TESO
295.4	Russian River/Wholer Bridge	TFC	01/30/91	2.8	91.3/91.0	0.89	22.3/22.3	TESO
295.4	Russian River/Wholer Bridge	TFC	04/07/92	1.1	90.9/92.4	0.67	22.8/22.8	TESO
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	2.6	95.0/92.8	0.59	32.6/32.6	TESO
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	1.4	86.4/87.0	1.16	20.4/20.4	TESO
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	1.1	94.7/95.3	0.49	24.9/26.7	TESO
297.0	Putah Creek	RFC	12/05/89	NA	NA/87.6	1.27	NA/31.9	SO
298.0	Brannan Island	RFC	12/29/87	NA	91.3/94.3	0.39	27.0/25.0	TESO
298.0	Brannan Island	RFC	12/29/88	NA	91.0/90.1	NA	28.4/28.4	TESO
298.3	Concord Naval/Pier 4	TCM	12/08/87	2.9	91.6/NA	NA	46.0/NA	TE
298.4	Concord Naval/Seal Island	TCM	12/08/87	2.9	91.9/90.9	0.34	43.0/60.0	TESO
299.1	Selby Slag 4	TCM	01/14/88	4.6	87.2/NA	NA	57.0/NA	TE
299.2	Selby Slag 5	TCM	01/14/88	4.6	91.3/NA	NA	67.0/NA	TE
299.3	Selby Slag 6	TCM	01/14/88	4.6	92.0/NA	NA	57.0/NA	TE
299.4	Selby Slag 7	TCM	01/14/88	4.6	91.7/NA	NA	57.0/NA	TE
300.2	Mare Island	TCM	01/14/88	4.6	92.0/92.0	NA	62.0/62.0	TESO
300.2	Mare Island	TCM	12/30/88	4.0	93.0/NA	NA	57.7/52.9	TESO
301.0	Davis Point	TCM	01/14/88	4.6	90.5/NA	NA	58.0/NA	TE
301.4	Union Oil Outfall	TCM	01/28/88	5.0	90.6/NA	NA	60.0/NA	TE
301.4	Union Oil Outfall	TCM	12/30/88	4.0	93.0/NA	NA	56.9/NA	TE
302.0	Point Pinole	TCM	01/27/81	NA	NA/86.2	1.01	NA/56.5	SO
302.0	Point Pinole	TCM	01/14/88	4.9	88.7/89.8	0.25	58.0/60.0	TESO
302.0	Point Pinole	TCM	12/30/88	4.0	87.0/88.8	0.40	53.9/53.9	TESO
302.0	Point Pinole	TCM	02/09/90	5.0	88.7/91.0	0.29	63.2/63.2	TESO
302.0	Point Pinole	TCM	01/16/91	4.6	89.0/90.6	0.41	58.7/60.7	TESO
302.0	Point Pinole	TCM	12/27/91	3.3	85.9/86.2	0.91	58.1/58.8	TESO
302.0	Point Pinole	TCM	01/20/93	4.2	89.6/91.9	0.71	57.0/50.3	TESO
302.4	Castro Cove Bridge	TCM	01/18/88	4.7	85.4/85.7	1.17	53.0/55.0	TESO
302.4	Castro Cove Bridge	TCM	12/29/88	3.6	84.0/85.6	0.96	53.0/54.4	TESO
302.4	Castro Cove Bridge	TCM	03/21/90	1.4	NA/84.3	0.98	NA/49.9	SO
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	5.6	87.4/87.4	0.51	54.5/59.6	TESO
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	4.6	NA/85.3	0.80	NA/58.0	SO
303.3	Lauritzen Canal/End	TCM	01/14/88	4.6	NA/86.3	0.87	NA/59.0	SO
303.3	Lauritzen Canal/End	TCM	03/22/91	5.6	91.1/90.0	0.36	60.8/61.0	TESO
303.4	Santa Fe Channel/End	TCM	03/22/91	5.6	86.8/87.0	0.78	59.4/56.1	TESO
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	4.6	85.7/83.8	0.86	59.0/54.0	TESO
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	3.9	85.0/86.6	0.68	61.0/49.4	TESO
304.4	Serl Intake	TCM	03/22/91	5.6	85.8/85.4	0.70	58.0/60.5	TESO
304.6	Point Isabel	TCM	01/14/88	4.6	86.9/NA	NA	61.0/NA	TE
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	5.4	83.0/82.9	0.80	65.8/65.0	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	3.0	84.2/83.0	1.27	49.1/53.2	TESO
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	4.2	84.3/84.1	1.49	53.9/53.9	TESO
306.5	Alcatraz Island	TCM	01/05/89	4.2	84.0/83.9	0.99	65.3/54.9	TESO
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	4.6	85.9/87.0	0.64	60.0/55.0	TESO
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	4.0	82.0/86.6	0.80	58.1/58.7	TESO
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	5.0	86.6/85.5	0.60	59.9/64.6	TESO
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	4.6	83.4/83.9	0.98	58.5/61.4	TESO
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	3.0	85.1/86.1	0.83	62.0/57.5	TESO
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	4.6	88.4/87.4	0.95	53.9/57.3	TESO
307.2	Alameda Yacht Harbor	TCM	01/14/88	4.6	85.8/88.1	0.78	52.0/56.0	TESO
307.2	Alameda Yacht Harbor	TCM	12/30/88	4.0	87.0/87.9	0.85	53.2/55.1	TESO
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	4.6	86.0/88.3	0.54	54.0/55.0	TESO
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	4.0	88.0/91.0	0.44	57.2/56.9	TESO
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	5.1	89.5/90.0	0.24	61.9/56.7	TESO
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	3.0	88.0/88.6	0.68	52.7/52.9	TESO
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	4.2	88.7/90.8	0.28	55.9/52.6	TESO
307.5	Lake Merritt	RBM	05/22/92	NA	86.9/87.0	1.05	61.5/56.3	TESO
307.5	Lake Merritt	RCM	03/16/93	NA	85.4/89.2	0.76	45.0/47.7	TESO
307.6	Oakland Back Harbor	TCM	01/14/88	4.6	86.0/88.3	0.61	58.0/65.0	TESO
307.8	San Francisco Outfall	TCM	12/29/88	3.9	83.0/84.1	1.01	54.9/55.5	TESO
307.9	San Francisco/Islais Channel	TCM	01/15/88	4.6	89.0/87.2	0.75	60.0/61.0	TESO
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	4.6	85.7/89.8	0.78	60.6/59.8	TESO
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	3.0	86.0/87.6	0.68	58.5/63.3	TESO
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	4.6	88.8/90.7	0.47	54.6/55.7	TESO
308.2	Hunter's Point/Shipyard	TCM	01/15/88	4.6	87.4/86.5	0.19	58.0/56.0	TESO
308.2	Hunter's Point/Shipyard	TCM	12/29/88	3.9	81.0/83.4	0.98	55.9/53.8	TESO
309.0	San Mateo Bridge/8B	TCM	02/09/90	5.0	88.3/NA	NA	63.9/NA	TE
309.0	San Mateo Bridge/8B	TCM	01/16/91	4.6	88.6/91.7	0.26	58.5/54.9	TESO
309.0	San Mateo Bridge/8B	TCM	12/16/91	3.0	86.9/89.0	0.57	52.9/52.9	TESO
309.0	San Mateo Bridge/8B	TCM	02/01/93	4.6	87.3/92.0	0.57	56.1/56.1	TESO
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	4.6	90.2/91.4	0.63	61.7/61.5	TESO
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	3.0	87.7/86.6	0.66	61.3/57.5	TESO
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	4.6	88.9/89.6	0.99	58.7/55.1	TESO
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	NA	NA/87.1	0.91	NA/60.1	SO
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/15/88	4.6	86.8/NA	NA	57.0/NA	TE
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	3.6	89.0/90.1	0.29	54.1/54.1	TESO
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	4.6	89.0/91.6	0.41	59.9/59.8	TESO
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	3.0	84.4/84.5	0.92	56.7/54.3	TESO
323.3	Palo Alto Outfall	TCM	12/29/88	3.9	87.0/89.6	0.46	52.4/58.7	TESO
323.3	Palo Alto Outfall	TCM	02/09/90	5.0	85.7/86.0	0.85	58.1/58.1	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	4.6	84.7/85.6	0.68	56.5/59.8	TESO
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	3.0	79.7/80.8	1.38	55.8/57.6	TESO
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	4.6	86.7/86.7	1.95	55.8/56.0	TESO
336.0	J. Fitzgerald	RCM	01/30/91	NA	82.7/81.8	0.44	56.5/59.5	TESO
399.2	Pescadero Creek	TFC	02/08/88	2.0	NA/93.1	0.73	NA/30.0	SO
399.2	Pescadero Creek	TFC	01/26/89	1.8	NA/92.2	0.68	NA/27.8	SO
399.3	Waddell Creek	TFC	02/08/88	2.0	NA/92.2	0.76	NA/30.0	SO
399.3	Waddell Creek	TFC	01/26/89	1.8	NA/96.5	0.13	NA/29.9	SO
399.5	San Lorenzo River	SED	01/14/91	NA	24.3/20.2	NA	NA/NA	TESO
399.7	San Lorenzo River/Felton	SED	12/03/90	NA	28.4/33.9	NA	NA/NA	TESO
399.7	San Lorenzo River/Felton	TFC	02/16/91	2.5	91.7/91.1	0.85	22.6/22.6	TESO
400.2	Younger Lagoon	SED	11/04/92	NA	28.6/16.6	NA	NA/NA	TESO
400.2	Younger Lagoon	TCM	02/25/93	3.8	86.9/NA	NA	50.5/50.5	TE
400.6	Santa Cruz/Natural Bridges	RCM	02/16/88	NA	86.4/NA	NA	56.0/NA	TE
400.6	Santa Cruz/Natural Bridges	RCM	01/28/89	NA	85.0/NA	NA	51.8/NA	TE
400.8	Aptos Creek	TFC	01/31/90	0.7	88.1/88.6	1.09	21.1/21.1	TESO
400.8	Aptos Creek	TFC	10/25/90	1.7	92.3/79.4	NA	21.9/21.9	TESO
400.8	Aptos Creek	RFC	11/14/90	NA	90.2/91.0	0.93	21.6/21.6	TESO
400.8	Aptos Creek	RFC	11/26/90	NA	93.3/93.2	0.65	23.4/23.4	TESO
400.8	Aptos Creek	TFC	12/19/91	2.3	94.8/92.1	0.23	28.7/28.7	TESO
401.1	Santa Cruz/T Dock	TCM	02/08/89	5.2	79.0/NA	NA	54.9/54.9	TESO
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	4.2	NA/85.8	0.60	NA/53.3	SO
401.5	Watsonville Slough/Bridge	TFC	02/02/88	1.9	NA/90.2	0.79	NA/32.0	SO
401.5	Watsonville Slough/Bridge	TFC	03/10/93	0.9	NA/90.1	1.20	NA/31.5	SO
401.6	Harkins Slough Bridge	TFC	02/02/88	1.9	NA/91.8	0.61	NA/30.0	SO
401.8	San Andreas Road	TFC	02/03/88	1.9	NA/90.5	0.83	NA/29.0	SO
401.9	Pajaro River Estuary	TFC	03/10/93	0.9	NA/88.6	1.33	NA/31.5	SO
402.1	Azevedo Pond	TCM	02/25/93	3.7	86.0/87.0	0.70	56.2/56.2	TESO
402.2	Parson's Slough	TCM	03/02/88	6.0	NA/83.0	0.84	NA/57.0	SO
402.2	Parson's Slough	TCM	01/04/89	4.2	NA/85.5	0.75	NA/48.4	SO
402.2	Parson's Slough	TCM	02/25/93	3.7	85.2/87.3	0.63	53.6/53.6	TESO
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	4.2	NA/85.4	0.89	NA/62.9	SO
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	3.7	84.9/85.3	1.52	59.5/59.5	TESO
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	6.0	NA/85.3	0.69	NA/67.0	SO
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	4.2	NA/80.8	1.05	NA/61.5	SO
403.2	Moro Cojo	TCM	01/04/89	4.2	NA/87.1	0.61	NA/59.8	SO
403.5	Moss Landing/South Harbor	TCM	02/02/88	5.0	85.9/85.9	NA	57.0/57.0	TESO
403.5	Moss Landing/South Harbor	TCM	01/04/89	4.2	82.0/NA	NA	56.3/56.0	TESO
403.6	Moro Cojo Slough	TCM	02/02/88	5.0	NA/87.7	0.53	NA/61.0	SO
404.0	Sandholdt Bridge	RBM	11/05/87	NA	NA/88.2	0.64	NA/63.0	SO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
404.0	Sandholdt Bridge	RBM	02/02/88	NA	NA/92.9	0.44	NA/55.0	SO
404.0	Sandholdt Bridge	RBM	04/07/88	NA	86.5/87.7	0.66	60.0/58.0	TESO
404.0	Sandholdt Bridge	RBM	12/08/88	NA	84.0/85.0	1.16	62.8/62.6	TESO
404.0	Sandholdt Bridge	TCM	01/04/89	4.2	81.0/80.8	1.39	57.3/58.4	TESO
404.0	Sandholdt Bridge	RBM	02/27/89	NA	84.0/NA	NA	62.6/NA	TE
404.0	Sandholdt Bridge	RBM	04/06/89	NA	85.0/NA	NA	55.1/NA	TE
404.0	Sandholdt Bridge	TCM	02/19/90	5.6	84.0/83.6	0.96	62.1/62.1	TESO
404.0	Sandholdt Bridge	TCM	02/04/91	4.9	85.2/84.4	0.39	65.1/58.5	TESO
404.0	Sandholdt Bridge	TCM	01/28/92	5.0	83.2/84.1	0.95	56.7/61.5	TESO
404.0	Sandholdt Bridge	TCM	02/01/93	4.3	84.7/84.3	1.21	53.5/54.4	TESO
405.2	Old Salinas River 2	SED	01/27/92	NA	26.3/22.3	NA	NA/NA	TESO
405.2	Old Salinas River 2	TFC	03/16/92	1.6	89.4/NA	NA	24.5/NA	TE
405.2	Old Salinas River 2	TFC	03/10/93	0.9	NA/88.8	1.33	NA/33.9	SO
405.3	Old Salinas River 1	SED	01/27/92	NA	36.5/45.3	NA	NA/NA	TESO
405.3	Old Salinas River 1	TFC	03/16/92	1.6	91.7/92.4	0.43	25.4/25.4	TESO
405.3	Old Salinas River 1	TFC	03/10/93	0.9	NA/89.1	2.52	NA/30.8	SO
405.6	Salinas River Lag 1	SED	01/27/92	NA	36.8/38.3	NA	NA/NA	TESO
405.6	Salinas River Lag 1	TFC	03/16/92	1.6	90.2/NA	NA	25.0/NA	TE
405.6	Salinas River Lag 1	TFC	03/10/93	0.9	NA/84.7	2.49	NA/29.3	SO
405.7	Salinas River Lag 2	SED	01/27/92	NA	51.2/48.8	NA	NA/NA	TESO
405.7	Salinas River Lag 2	TFC	03/16/92	1.6	89.0/90.6	0.66	20.9/20.9	TESO
406.0	Westley Station	RFC	01/04/89	NA	NA/86.0	0.75	NA/50.6	SO
406.5	Tembladero Slough	TFC	03/10/93	0.9	NA/90.2	2.04	NA/30.4	SO
407.4	Blanco Pump/West	TFC	03/10/93	0.9	NA/88.4	1.58	NA/30.6	SO
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	1.9	NA/91.6	0.66	NA/31.0	SO
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	1.9	NA/91.1	0.88	NA/30.0	SO
414.0	Pacific Grove	RCM	12/19/88	NA	88.4/88.4	0.23	59.0/60.0	TESO
414.0	Pacific Grove	RCM	01/09/89	NA	83.0/83.6	0.64	60.2/61.7	TESO
414.0	Pacific Grove	RCM	02/08/90	NA	84.4/84.9	0.70	56.9/56.9	TESO
414.0	Pacific Grove	RCM	02/14/91	NA	85.1/88.1	0.23	57.9/56.9	TESO
414.0	Pacific Grove	RCM	01/31/92	NA	87.5/90.8	0.46	63.1/66.7	TESO
414.0	Pacific Grove	RCM	02/12/93	NA	87.2/88.8	0.59	60.2/62.8	TESO
421.7	Monterey Harbor/Marina	TCM	01/22/88	4.7	82.2/81.7	0.93	58.0/54.0	TESO
421.7	Monterey Harbor/Marina	TCM	04/05/89	6.9	86.0/NA	NA	56.0/61.1	TESO
421.8	Monterey Harbor/Marina/Pier B	TCM	01/22/88	4.7	NA/78.0	NA	NA/58.0	SO
421.8	Monterey Harbor/Marina/Pier B	TCM	04/05/89	6.9	NA/83.0	NA	NA/57.5	SO
423.1	Carmel Bay/New Control	RCM	05/25/92	NA	85.6/NA	NA	60.3/NA	TE
423.2	Carmel STP/Control	TCM	02/16/88	5.5	86.5/NA	NA	51.0/NA	TE
423.2	Carmel STP/Control	TCM	04/13/89	7.1	83.0/NA	NA	63.4/NA	TE
423.3	Carmel River	TCM	04/13/89	7.1	84.0/NA	NA	67.3/NA	TE

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

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423.4	Carmel STP/10m North	RCM	02/16/88	NA	82.8/NA	NA	57.0/NA	TE
423.4	Carmel STP/10m North	TCM	04/13/89	7.1	83.0/NA	NA	63.9/NA	TE
423.5	Carmel STP/30m South	TCM	02/01/91	4.7	86.4/NA	NA	65.9/NA	TE
423.5	Carmel STP/30m South	TCM	05/14/92	5.4	84.5/NA	NA	58.9/NA	TE
423.6	Carmel STP/10m South	TCM	01/22/88	4.7	82.6/NA	NA	62.0/NA	TE
423.6	Carmel STP/10m South	TCM	04/13/89	7.1	82.0/NA	NA	64.1/NA	TE
423.7	Carmel STP/100m South	TCM	02/01/91	4.7	82.6/NA	NA	63.2/NA	TE
423.7	Carmel STP/100m South	TCM	05/14/92	5.4	84.6/NA	NA	70.5/NA	TE
423.9	Carmel STP/300m South	TCM	02/01/91	4.7	82.7/NA	NA	70.7/NA	TE
423.9	Carmel STP/300m South	TCM	05/14/92	5.4	84.2/NA	NA	69.4/NA	TE
424.5	Granite Canyon/Control	TCM	09/21/88	0.9	86.2/NA	NA	58.5/58.5	TE
425.4	Lake San Antonio/Buoy	TFC	12/08/87	3.3	91.5/91.7	0.79	30.0/29.0	TESO
425.6	Lake San Antonio	RFC	10/28/87	NA	90.9/92.1	0.67	30.0/29.0	TESO
425.6	Lake San Antonio	RFC	09/14/88	NA	93.0/88.6	1.08	28.1/27.0	TESO
425.6	Lake San Antonio	RFC	08/15/89	NA	85.8/87.1	1.01	26.4/28.1	TESO
425.6	Lake San Antonio	TFC	05/25/92	1.6	92.1/92.5	0.63	29.2/29.2	TESO
426.5	Cayucos Pier	TCM	09/24/87	3.3	78.6/76.6	0.45	63.0/58.0	TESO
426.5	Cayucos Pier	TCM	12/14/87	2.7	83.9/NA	NA	58.0/NA	TE
426.5	Cayucos Pier	TCM	09/25/88	2.7	76.0/76.2	1.48	60.5/58.9	TESO
426.5	Cayucos Pier	TCM	12/20/88	2.8	80.0/NA	NA	65.5/65.5	TE
426.5	Cayucos Pier	TCM	02/28/89	2.3	79.0/81.8	0.48	55.3/55.3	TESO
426.5	Cayucos Pier	TCM	09/27/89	3.1	75.7/77.1	1.26	61.4/61.4	TESO
426.5	Cayucos Pier	TCM	12/12/89	2.5	78.9/80.0	1.22	57.1/57.1	TESO
426.5	Cayucos Pier	TCM	03/05/90	2.8	83.6/81.2	0.90	52.4/49.8	TESO
426.5	Cayucos Pier	TCM	09/03/90	2.7	76.7/77.0	0.99	52.1/52.1	TESO
426.5	Cayucos Pier	TCM	11/14/90	2.4	79.5/NA	NA	48.8/NA	TE
426.5	Cayucos Pier	TCM	02/25/91	3.4	80.7/80.6	1.15	55.3/55.3	TESO
428.0	Cayucos	RCM	09/24/87	NA	81.0/NA	NA	52.0/NA	TE
428.0	Cayucos	RCM	03/14/88	NA	82.2/NA	NA	48.0/NA	TE
428.0	Cayucos	RCM	09/25/88	NA	80.0/NA	NA	48.5/NA	TE
428.0	Cayucos	RCM	02/28/89	NA	81.0/NA	NA	45.4/NA	TE
428.0	Cayucos	RCM	09/27/89	NA	81.3/NA	NA	43.9/NA	TE
428.0	Cayucos	RCM	03/05/90	NA	84.1/NA	NA	46.9/NA	TE
428.0	Cayucos	RCM	09/03/90	NA	81.0/NA	NA	46.7/NA	TE
428.0	Cayucos	RCM	02/25/91	NA	84.1/NA	NA	17.0/NA	TE
428.0	Cayucos	RCM	09/09/91	NA	79.3/NA	NA	44.1/NA	TE
428.0	Cayucos	RCM	02/25/92	NA	83.3/NA	NA	50.6/NA	TE
429.2	Morro Bay/Boat Works	RBM	03/14/88	NA	89.3/89.3	NA	62.0/62.0	TESO
429.2	Morro Bay/Boat Works	TCM	12/19/88	3.7	81.0/NA	NA	58.7/57.7	TESO
429.2	Morro Bay/Boat Works	TCM	02/02/90	4.3	84.6/NA	NA	59.9/NA	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
429.2	Morro Bay/Boat Works	TCM	01/20/93	3.9	87.1/NA	NA	51.3/51.3	TE
430.0	Montana De Oro	RCM	09/24/87	NA	81.1/80.6	0.31	51.0/50.0	TESO
430.0	Montana De Oro	RCM	12/14/87	NA	83.6/82.4	0.60	56.0/51.0	TESO
430.0	Montana De Oro	RCM	03/14/88	NA	83.9/84.5	0.44	56.0/57.0	TESO
430.0	Montana De Oro	RCM	09/26/88	NA	77.0/79.8	0.61	52.0/49.3	TESO
430.0	Montana De Oro	RCM	12/20/88	NA	79.0/80.0	0.70	53.8/51.6	TESO
430.0	Montana De Oro	RCM	02/28/89	NA	80.0/81.6	0.90	51.1/55.7	TESO
430.0	Montana De Oro	RCM	09/27/89	NA	78.0/79.7	0.84	57.5/59.9	TESO
430.0	Montana De Oro	RCM	12/12/89	NA	79.5/80.9	0.85	52.9/53.9	TESO
430.0	Montana De Oro	RCM	03/05/90	NA	82.2/83.0	0.70	68.8/71.3	TESO
430.0	Montana De Oro	RCM	04/03/90	NA	82.8/83.1	0.86	51.1/51.7	TESO
430.0	Montana De Oro	RCM	09/03/90	NA	79.9/81.0	0.65	50.2/55.5	TESO
430.0	Montana De Oro	RCM	11/14/90	NA	81.1/79.0	0.73	48.5/52.0	TESO
430.0	Montana De Oro	RCM	02/25/91	NA	84.9/82.0	0.60	58.1/74.7	TESO
430.0	Montana De Oro	RCM	09/09/91	NA	78.5/79.1	1.04	52.3/51.7	TESO
430.0	Montana De Oro	RCM	12/03/91	NA	80.5/81.3	0.97	56.3/57.6	TESO
430.0	Montana De Oro	RCM	02/25/92	NA	75.5/85.1	0.92	53.0/55.2	TESO
430.2	Montana De Oro 1	TCM	11/14/90	2.4	82.8/81.0	0.52	52.7/53.9	TESO
430.2	Montana De Oro 1	TCM	09/10/91	2.5	79.6/81.0	0.87	56.7/61.8	TESO
430.2	Montana De Oro 1	TCM	12/04/91	2.8	82.8/82.3	1.06	56.2/58.5	TESO
430.4	Montana De Oro 2	TCM	11/14/90	2.4	81.9/81.0	0.59	53.7/54.7	TESO
430.4	Montana De Oro 2	TCM	09/10/91	2.5	79.0/79.6	0.84	51.9/54.8	TESO
431.0	Lion Rock	RCM	10/05/87	NA	84.9/NA	NA	55.0/NA	TE
431.0	Lion Rock	RCM	03/15/88	NA	87.4/NA	NA	53.0/NA	TE
431.0	Lion Rock	RCM	09/26/88	NA	80.0/NA	NA	50.1/NA	TE
431.0	Lion Rock	RCM	03/01/89	NA	82.0/NA	NA	54.3/NA	TE
431.0	Lion Rock	RCM	09/28/89	NA	80.8/NA	NA	54.2/NA	TE
431.0	Lion Rock	RCM	03/06/90	NA	81.4/NA	NA	54.3/NA	TE
432.0	Pup Rock	RCM	10/05/87	NA	84.4/NA	NA	52.0/NA	TE
432.0	Pup Rock	RCM	03/15/88	NA	87.0/NA	NA	57.0/NA	TE
432.0	Pup Rock	RCM	09/26/88	NA	84.0/NA	NA	51.8/NA	TE
432.0	Pup Rock	RCM	03/01/89	NA	82.0/NA	NA	55.4/NA	TE
432.0	Pup Rock	RCM	09/28/89	NA	80.9/NA	NA	54.5/NA	TE
432.0	Pup Rock	RCM	03/06/90	NA	81.7/NA	NA	53.3/NA	TE
433.0	Diablo Cove/North	RCM	09/25/87	NA	82.8/NA	NA	57.0/NA	TE
433.0	Diablo Cove/North	RCM	03/15/88	NA	88.3/NA	NA	55.0/NA	TE
433.0	Diablo Cove/North	RCM	09/26/88	NA	78.0/NA	NA	58.3/NA	TE
433.0	Diablo Cove/North	RCM	03/01/89	NA	87.0/NA	NA	58.9/NA	TE
433.0	Diablo Cove/North	RCM	09/28/89	NA	85.9/NA	NA	42.0/NA	TE
433.0	Diablo Cove/North	RCM	03/06/90	NA	86.9/NA	NA	50.3/NA	TE

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
433.0	Diablo Cove/North	RCM	09/04/90	NA	87.4/NA	NA	47.2/NA	TE
433.0	Diablo Cove/North	RCM	02/26/91	NA	88.5/NA	NA	45.2/NA	TE
433.0	Diablo Cove/North	RCM	09/09/91	NA	85.2/NA	NA	45.7/NA	TE
433.0	Diablo Cove/North	RCM	02/26/92	NA	85.2/NA	NA	42.4/NA	TE
434.0	Diablo Cove/South	RCM	09/25/87	NA	84.2/85.7	0.24	56.0/59.0	TESO
434.0	Diablo Cove/South	RCM	03/15/88	NA	86.1/86.7	0.28	60.0/60.0	TESO
434.0	Diablo Cove/South	RCM	09/26/88	NA	81.0/84.8	0.46	52.8/50.9	TESO
434.0	Diablo Cove/South	RCM	03/01/89	NA	87.0/85.5	0.60	60.0/59.6	TESO
434.0	Diablo Cove/South	RCM	09/28/89	NA	81.8/84.0	0.60	53.1/58.1	TESO
434.0	Diablo Cove/South	RCM	03/06/90	NA	85.8/84.8	0.70	64.0/67.8	TESO
434.0	Diablo Cove/South	RCM	09/04/90	NA	84.8/87.3	0.42	59.9/60.1	TESO
434.0	Diablo Cove/South	RCM	02/26/91	NA	86.8/85.0	0.33	55.5/66.3	TESO
434.0	Diablo Cove/South	RCM	09/09/91	NA	84.5/82.5	0.54	47.3/55.4	TESO
434.0	Diablo Cove/South	RCM	02/26/92	NA	85.7/56.5	0.59	62.4/54.1	TESO
435.0	Intake Cove	RCM	09/25/87	NA	83.7/83.7	0.54	58.0/58.0	TESO
435.0	Intake Cove	RCM	03/15/88	NA	85.7/87.7	0.21	68.0/65.0	TESO
435.0	Intake Cove	RCM	09/26/88	NA	81.0/82.6	0.66	54.9/49.1	TESO
435.0	Intake Cove	RCM	03/01/89	NA	84.0/83.8	0.74	67.4/65.1	TESO
435.0	Intake Cove	RCM	09/28/89	NA	81.7/81.8	0.92	61.6/66.3	TESO
435.0	Intake Cove	RCM	03/06/90	NA	84.5/83.7	0.80	62.5/55.3	TESO
435.0	Intake Cove	RCM	09/04/90	NA	84.0/84.0	0.95	64.9/58.3	TESO
435.0	Intake Cove	RCM	02/26/91	NA	85.3/85.0	0.41	67.6/71.1	TESO
435.0	Intake Cove	RCM	09/09/91	NA	83.8/83.0	0.77	55.8/62.3	TESO
435.0	Intake Cove	RCM	02/26/92	NA	84.6/85.8	0.66	63.9/56.7	TESO
436.0	Pecho Rock	RCM	10/05/87	NA	84.9/79.7	1.12	49.0/53.0	TESO
436.0	Pecho Rock	RCM	03/15/88	NA	86.4/86.8	0.30	55.0/57.0	TESO
436.0	Pecho Rock	RCM	09/26/88	NA	77.0/78.8	1.13	50.3/48.5	TESO
436.0	Pecho Rock	RCM	03/01/89	NA	80.0/82.0	0.92	54.5/51.1	TESO
436.0	Pecho Rock	RCM	09/28/89	NA	78.6/78.7	1.35	50.5/59.1	TESO
436.0	Pecho Rock	RCM	03/06/90	NA	83.4/81.6	0.88	44.6/53.6	TESO
437.0	Point San Luis	RCM	09/24/87	NA	83.6/83.3	0.47	57.0/56.0	TESO
437.0	Point San Luis	RCM	03/14/88	NA	85.3/86.3	0.38	59.0/59.0	TESO
437.0	Point San Luis	RCM	09/25/88	NA	82.0/84.1	0.55	49.6/48.8	TESO
437.0	Point San Luis	RCM	02/28/89	NA	84.0/85.8	0.35	59.3/57.1	TESO
437.0	Point San Luis	RCM	09/27/89	NA	82.8/84.5	0.54	48.9/62.1	TESO
437.0	Point San Luis	RCM	03/05/90	NA	84.5/82.6	0.60	49.6/57.4	TESO
437.0	Point San Luis	RCM	09/03/90	NA	81.6/83.0	0.59	53.9/53.3	TESO
437.0	Point San Luis	RCM	02/25/91	NA	86.0/82.0	0.50	68.4/63.7	TESO
437.0	Point San Luis	RCM	09/09/91	NA	84.8/84.0	0.44	57.9/59.9	TESO
437.0	Point San Luis	RCM	02/26/92	NA	85.3/86.9	0.58	52.3/57.6	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
438.0	Avila	RCM	09/24/87	NA	81.2/NA	NA	62.0/NA	TE
438.0	Avila	RCM	03/14/88	NA	85.7/NA	NA	55.0/NA	TE
438.0	Avila	RCM	09/25/88	NA	84.0/NA	NA	52.7/NA	TE
438.0	Avila	RCM	02/28/89	NA	85.0/NA	NA	55.8/NA	TE
438.0	Avila	RCM	09/27/89	NA	81.0/NA	NA	49.7/NA	TE
438.0	Avila	RCM	03/05/90	NA	85.0/NA	NA	52.7/NA	TE
438.0	Avila	RCM	09/03/90	NA	83.2/NA	NA	46.7/NA	TE
438.0	Avila	RCM	02/25/91	NA	86.6/NA	NA	51.6/NA	TE
438.0	Avila	RCM	09/09/91	NA	81.3/NA	NA	56.9/NA	TE
438.0	Avila	RCM	02/25/92	NA	85.0/NA	NA	48.9/NA	TE
440.0	Lion Rock/Transplant	TCM	09/25/87	3.3	79.0/NA	NA	62.0/NA	TE
440.0	Lion Rock/Transplant	TCM	12/15/87	2.7	84.0/NA	NA	53.0/NA	TE
440.0	Lion Rock/Transplant	TCM	09/26/88	2.7	76.0/NA	NA	59.5/NA	TE
440.0	Lion Rock/Transplant	TCM	12/20/88	2.8	81.0/NA	NA	52.2/NA	TE
440.0	Lion Rock/Transplant	TCM	03/01/89	2.3	83.0/83.2	1.05	54.1/54.1	TESO
440.0	Lion Rock/Transplant	TCM	09/28/89	3.1	76.9/NA	NA	59.5/NA	TE
440.0	Lion Rock/Transplant	TCM	12/13/89	2.5	80.7/NA	NA	59.1/NA	TE
440.0	Lion Rock/Transplant	TCM	03/06/90	2.8	85.7/86.1	NA	58.6/51.4	TESO
440.0	Lion Rock/Transplant	TCM	09/04/90	2.8	80.1/NA	NA	57.3/NA	TE
440.0	Lion Rock/Transplant	TCM	11/15/90	2.4	81.4/NA	NA	54.8/NA	TE
440.0	Lion Rock/Transplant	TCM	02/26/91	3.4	83.5/NA	NA	55.4/NA	TE
440.0	Lion Rock/Transplant	TCM	09/10/91	2.5	78.0/NA	NA	54.6/NA	TE
440.0	Lion Rock/Transplant	TCM	12/04/91	2.8	81.0/NA	NA	57.6/NA	TE
440.0	Lion Rock/Transplant	TCM	02/26/92	2.8	84.9/NA	NA	57.4/NA	TE
441.0	Lion/Diablo/Transplant	TCM	10/05/87	3.6	79.1/NA	NA	69.0/NA	TE
441.0	Lion/Diablo/Transplant	TCM	12/15/87	2.3	84.1/NA	NA	64.0/NA	TE
441.0	Lion/Diablo/Transplant	TCM	03/15/88	3.0	86.1/86.1	NA	52.0/52.0	TESO
441.0	Lion/Diablo/Transplant	TCM	12/20/88	2.8	82.0/NA	NA	57.1/NA	TE
441.0	Lion/Diablo/Transplant	TCM	03/01/89	2.3	82.0/NA	NA	57.9/57.9	TESO
441.0	Lion/Diablo/Transplant	TCM	09/28/89	3.1	77.0/NA	NA	61.3/NA	TE
441.0	Lion/Diablo/Transplant	TCM	12/13/89	2.5	80.4/NA	NA	56.5/NA	TE
441.0	Lion/Diablo/Transplant	TCM	03/06/90	2.8	85.1/84.8	NA	57.3/59.5	TESO
441.0	Lion/Diablo/Transplant	TCM	09/04/90	2.8	78.4/NA	NA	51.7/NA	TE
441.0	Lion/Diablo/Transplant	TCM	11/15/90	2.4	81.4/NA	NA	54.9/NA	TE
441.0	Lion/Diablo/Transplant	TCM	02/26/91	3.4	84.2/NA	NA	57.1/NA	TE
441.0	Lion/Diablo/Transplant	TCM	09/10/91	2.5	76.3/NA	NA	57.2/NA	TE
441.0	Lion/Diablo/Transplant	TCM	12/04/91	2.8	81.3/NA	NA	61.3/NA	TE
441.0	Lion/Diablo/Transplant	TCM	02/26/92	2.8	84.3/NA	NA	54.9/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	10/05/87	3.6	80.0/NA	NA	59.0/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	12/15/87	2.3	85.4/NA	NA	55.0/NA	TE

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	3.0	84.8/84.8	NA	53.0/59.0	TESO
442.0	Diablo Cove/North/Transplant	TCM	09/26/88	2.7	84.0/NA	NA	48.1/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	12/20/88	2.8	84.0/NA	NA	55.9/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	2.3	83.0/NA	NA	54.5/NA	TESO
442.0	Diablo Cove/North/Transplant	TCM	09/28/89	3.1	77.7/NA	NA	57.1/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	12/13/89	2.5	80.5/NA	NA	58.0/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	5.3	85.8/85.8	NA	56.0/57.9	TESO
442.0	Diablo Cove/North/Transplant	TCM	09/04/90	2.8	79.0/NA	NA	58.7/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	11/15/90	2.4	80.7/NA	NA	52.8/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	02/26/91	3.4	85.6/NA	NA	55.5/NA	TE
442.0	Diablo Cove/North/Transplant	TCM	09/10/91	2.5	78.7/NA	NA	46.3/NA	TE
442.1	Diablo Cove/N/Transplant/Shallow	TCM	02/26/91	3.4	86.2/NA	NA	57.5/NA	TE
442.1	Diablo Cove/N/Transplant/Shallow	TCM	09/10/91	2.5	77.1/NA	NA	52.5/NA	TE
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	3.6	81.7/79.9	0.49	59.0/57.0	TESO
443.0	Diablo Cove/South/Transplant	TCM	12/15/87	2.3	84.7/NA	NA	60.0/NA	TE
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	2.7	79.0/80.3	0.93	55.0/53.3	TESO
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	2.3	82.0/83.7	0.77	55.2/56.4	TESO
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	3.1	76.8/79.5	1.00	60.5/61.9	TESO
443.0	Diablo Cove/South/Transplant	TCM	12/13/89	2.5	80.8/NA	NA	56.7/NA	TE
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	2.8	84.1/81.5	0.82	57.5/57.5	TESO
443.0	Diablo Cove/South/Transplant	TCM	11/15/90	2.4	80.8/NA	NA	54.0/NA	TE
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	3.4	82.6/79.0	0.51	57.9/55.3	TESO
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	2.5	76.9/76.7	1.05	55.9/55.9	TESO
443.0	Diablo Cove/South/Transplant	TCM	12/04/91	2.8	80.9/NA	NA	59.7/NA	TE
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	2.8	86.1/86.6	0.69	61.3/64.9	TESO
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	3.4	84.3/84.0	0.38	55.2/63.7	TESO
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	2.5	80.7/79.6	0.91	51.0/59.9	TESO
444.0	Intake Cove/Transplant	TCM	09/25/87	3.3	79.1/79.6	0.94	60.0/61.0	TESO
444.0	Intake Cove/Transplant	TCM	12/15/87	2.7	85.5/NA	NA	61.0/NA	TE
444.0	Intake Cove/Transplant	TCM	03/15/88	3.0	86.2/88.1	0.32	50.0/53.0	TESO
444.0	Intake Cove/Transplant	TCM	09/26/88	2.7	79.0/81.6	0.84	53.6/54.9	TESO
444.0	Intake Cove/Transplant	TCM	12/20/88	2.8	83.0/NA	NA	55.2/NA	TE
444.0	Intake Cove/Transplant	TCM	03/01/89	2.3	84.0/83.5	0.98	51.9/51.9	TESO
444.0	Intake Cove/Transplant	TCM	09/28/89	3.1	77.7/78.2	1.44	56.6/60.0	TESO
444.0	Intake Cove/Transplant	TCM	12/13/89	2.5	81.2/NA	NA	56.0/NA	TE
444.0	Intake Cove/Transplant	TCM	03/06/90	2.8	83.4/83.6	0.76	55.1/50.7	TESO
444.0	Intake Cove/Transplant	TCM	09/04/90	2.8	79.8/79.0	1.00	55.9/58.3	TESO
444.0	Intake Cove/Transplant	TCM	02/26/91	3.4	85.7/82.0	0.61	54.2/54.5	TESO
444.0	Intake Cove/Transplant	TCM	09/10/91	2.5	77.7/78.9	1.04	56.0/45.7	TESO
444.0	Intake Cove/Transplant	TCM	12/04/91	2.8	80.1/NA	NA	57.5/NA	TE

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
444.0	Intake Cove/Transplant	TCM	02/26/92	2.8	85.0/84.7	1.01	58.3/57.6	TESO
445.0	San Luis Harbor/Transplant	TCM	09/25/87	3.3	75.7/77.5	1.83	59.0/58.0	TESO
445.0	San Luis Harbor/Transplant	TCM	12/15/87	2.7	83.0/NA	NA	56.0/NA	TE
445.0	San Luis Harbor/Transplant	TCM	03/15/88	3.0	79.8/81.0	1.31	54.0/54.0	TESO
445.0	San Luis Harbor/Transplant	TCM	09/26/88	2.7	80.0/79.2	0.48	50.9/52.8	TESO
445.0	San Luis Harbor/Transplant	TCM	12/20/88	2.8	83.0/NA	NA	58.1/NA	TE
445.0	San Luis Harbor/Transplant	TCM	03/01/89	2.3	76.0/79.3	0.92	58.6/58.6	TESO
445.0	San Luis Harbor/Transplant	TCM	09/28/89	3.1	77.0/78.2	1.05	60.7/60.7	TESO
445.0	San Luis Harbor/Transplant	TCM	12/13/89	2.5	78.3/NA	NA	58.6/NA	TE
445.0	San Luis Harbor/Transplant	TCM	03/06/90	2.8	80.6/79.7	1.82	56.7/54.8	TESO
445.0	San Luis Harbor/Transplant	TCM	09/04/90	2.8	74.8/76.1	1.18	55.7/56.6	TESO
445.0	San Luis Harbor/Transplant	TCM	11/14/90	2.4	76.8/NA	NA	53.3/NA	TE
445.0	San Luis Harbor/Transplant	TCM	02/25/91	3.4	80.7/79.0	1.30	57.9/56.7	TESO
445.0	San Luis Harbor/Transplant	TCM	09/09/91	2.4	76.4/76.0	2.09	54.4/60.8	TESO
445.0	San Luis Harbor/Transplant	TCM	02/25/92	2.8	83.3/82.2	1.47	60.1/62.6	TESO
446.0	San Luis Obispo Creek 1	TFC	02/26/91	3.5	94.2/93.6	0.46	21.3/22.8	TESO
446.1	San Luis Obispo/Creek 2	SED	02/25/92	NA	44.3/44.3	NA	NA/NA	TESO
446.1	San Luis Obispo/Creek 2	TFC	04/09/92	1.5	94.2/NA	NA	27.3/NA	TE
446.2	San Luis Obispo Creek 3	SED	11/14/90	NA	51.6/NA	NA	NA/NA	TE
446.2	San Luis Obispo Creek 3	SED	02/25/92	NA	34.5/28.4	NA	NA/NA	TESO
446.4	San Luis Obispo/Creek 4	SED	02/25/92	NA	39.2/21.8	NA	NA/NA	TESO
450.0	Point Conception	RCM	03/20/89	NA	84.0/NA	NA	58.8/NA	TE
450.0	Point Conception	RCM	12/22/89	NA	82.7/NA	NA	61.7/NA	TE
450.0	Point Conception	RCM	01/04/91	NA	83.9/87.0	0.18	60.3/69.9	TESO
455.0	Gaviota	RCM	01/26/88	NA	83.4/85.2	0.44	49.0/46.0	TESO
455.0	Gaviota	TCM	03/21/89	4.8	82.0/80.1	1.12	64.3/66.4	TESO
455.0	Gaviota	RCM	12/22/89	NA	83.6/NA	NA	57.3/NA	TE
460.0	Goleta Slough 1	TCM	12/18/88	3.7	89.0/89.8	0.54	59.2/59.2	TESO
460.0	Goleta Slough 1	SED	09/03/89	NA	49.8/53.7	NA	NA/NA	TESO
460.0	Goleta Slough 1	SED	11/13/90	NA	29.4/26.6	NA	NA/NA	TESO
460.1	Goleta Slough 2	SED	09/03/89	NA	52.2/54.3	NA	NA/NA	TESO
460.1	Goleta Slough 2	SED	11/13/90	NA	27.7/28.9	NA	NA/NA	TESO
460.2	Goleta Slough 3	SED	11/13/90	NA	27.1/26.6	NA	NA/NA	TESO
460.3	Goleta Slough 4	SED	11/13/90	NA	40.3/41.6	NA	NA/NA	TESO
470.0	Santa Barbara Harbor	TCM	01/26/88	5.0	83.2/83.2	NA	52.0/52.0	TESO
470.0	Santa Barbara Harbor	TCM	12/18/88	3.7	82.0/NA	NA	55.0/51.4	TESO
471.0	Mission Creek	SED	11/13/90	NA	21.7/22.4	NA	NA/NA	TESO
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	NA	32.7/28.2	NA	NA/NA	TESO
475.0	Carpinteria Marsh	TCM	01/26/88	5.1	NA/85.8	0.67	NA/67.0	SO
475.0	Carpinteria Marsh	TCM	12/18/88	3.7	NA/82.2	1.06	NA/61.7	SO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
480.0	Lake Isabella	RFC	02/09/93	NA	88.6/88.5	1.46	30.9/30.9	TESO
485.0	Ventura Marina	TCM	01/25/88	5.0	84.8/86.7	0.57	57.0/60.0	TESO
485.2	Ventura River Estuary	SED	08/29/91	NA	NA/42.5	NA	NA/NA	SO
487.1	Santa Clara River Estuary 1	SED	08/29/91	NA	41.5/41.5	NA	NA/NA	SO
487.3	Santa Clara River Estuary 2	SED	08/29/91	NA	NA/39.6	NA	NA/NA	SO
506.1	Port Hueneme/Wharf B	TCM	01/25/88	5.0	84.7/86.8	0.52	65.0/57.0	TESO
506.1	Port Hueneme/Wharf B	TCM	12/18/88	3.7	NA/83.1	0.80	NA/61.1	SO
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	5.0	86.4/88.3	0.48	60.0/56.0	TESO
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	3.7	NA/81.4	1.11	NA/59.7	SO
506.3	Port Hueneme/Entrance	TCM	01/25/88	5.0	85.6/84.8	0.46	63.0/63.0	TESO
507.1	Mugu Lagoon/L Street	SED	09/01/90	NA	NA/30.1	NA	NA/NA	SO
507.1	Mugu Lagoon/L Street	TCM	12/28/90	3.9	NA/76.4	1.20	NA/61.0	SO
507.2	Mugu Lagoon/Laguna Road	SED	09/01/90	NA	NA/39.3	NA	NA/NA	SO
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	3.9	NA/86.5	0.44	NA/64.4	SO
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	3.7	83.0/84.6	1.31	57.9/55.7	TESO
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	NA	NA/37.1	NA	NA/NA	SO
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	3.9	NA/86.0	0.88	NA/61.4	SO
507.3	Mugu Lagoon/Calleguas Creek	SED	08/29/91	NA	NA/47.4	NA	NA/NA	SO
507.3	Mugu Lagoon/Calleguas Creek	SED	09/10/92	NA	NA/64.3	NA	NA/NA	SO
507.4	Ag Drain/Etting Road	SED	11/28/90	NA	NA/35.0	NA	NA/NA	SO
507.6	Ag Drain/Pleasant Valley Road	SED	11/28/90	NA	NA/52.5	NA	NA/NA	SO
507.7	Revolon Slough/Las Posas Rd	SED	11/28/90	NA	NA/41.6	NA	NA/NA	SO
507.8	Revolon Slough	TFC	03/14/88	2.8	NA/92.7	0.66	NA/31.0	SO
507.8	Revolon Slough	SED	01/29/89	NA	NA/53.0	NA	NA/NA	SO
507.8	Revolon Slough	TFC	01/29/89	1.9	NA/89.9	0.88	NA/30.1	SO
507.8	Revolon Slough	SED	09/03/89	NA	NA/49.7	NA	NA/NA	SO
507.8	Revolon Slough	SED	11/28/90	NA	NA/48.1	NA	NA/NA	SO
507.8	Revolon Slough	TFC	03/11/91	3.4	NA/91.7	0.51	NA/22.9	SO
508.1	Mugu Drainage 1	SED	09/03/89	NA	NA/49.5	NA	NA/NA	SO
508.2	Mugu Drainage 2	SED	09/03/89	NA	NA/44.9	NA	NA/NA	SO
508.3	Mugu Drainage 3	SED	09/03/89	NA	NA/63.6	NA	NA/NA	SO
508.4	Mugu Drainage 4	SED	09/03/89	NA	NA/31.6	NA	NA/NA	SO
508.5	Mugu Drainage 5	SED	09/03/89	NA	NA/30.1	NA	NA/NA	SO
508.6	Mugu Drainage 6	SED	09/03/89	NA	NA/54.0	NA	NA/NA	SO
508.7	Mugu Drainage 7	SED	09/03/89	NA	NA/44.4	NA	NA/NA	SO
509.0	Calleguas	SED	09/03/89	NA	NA/60.6	NA	NA/NA	SO
553.0	Marina Del Rey/Entrance	TCM	12/19/88	3.7	79.0/82.3	0.93	60.4/66.8	TESO
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	5.1	79.4/82.5	1.08	51.0/57.0	TESO
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	3.7	83.0/81.8	1.29	61.7/59.9	TESO
555.0	Marina Del Rey/Basin G	TCM	01/25/88	5.1	86.3/90.1	0.27	57.0/56.0	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

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555.0	Marina Del Rey/Basin G	TCM	12/19/88	3.7	86.0/87.1	0.72	62.3/57.2	TESO
555.2	Marina Del Rey/Basin D	TCM	01/25/88	5.1	84.5/89.2	0.46	58.0/58.0	TESO
556.0	Marina Del Rey/Basin E	TCM	01/25/88	5.1	86.1/85.6	0.70	56.0/56.0	TESO
556.0	Marina Del Rey/Basin E	TCM	12/19/88	3.7	86.0/87.5	0.56	59.2/55.7	TESO
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	NA	90.9/92.9	0.23	52.0/54.0	TESO
559.0	King Harbor	TCM	12/28/87	4.2	84.0/88.2	0.59	55.0/58.0	TESO
601.0	LA Harbor/National Steel	TCM	12/28/87	4.2	87.4/88.2	0.69	63.0/59.0	TESO
601.0	LA Harbor/National Steel	TCM	12/19/88	3.8	84.0/85.6	0.81	61.2/57.3	TESO
601.0	LA Harbor/National Steel	RCM	12/22/89	3.7	NA/88.7	0.64	NA/60.5	SO
601.0	LA Harbor/National Steel	TCM	12/23/90	3.8	NA/85.1	0.25	NA/63.5	SO
601.0	La Harbor/National Steel	SED	08/29/91	NA	43.5/41.6	NA	NA/NA	TESO
601.0	La Harbor/National Steel	TCM	12/22/91	3.8	84.6/85.1	0.74	66.2/66.2	TESO
601.0	LA Harbor/National Steel	SED	09/10/92	NA	39.2/37.4	NA	NA/NA	TESO
601.0	LA Harbor/National Steel	RBM	01/06/93	NA	89.0/89.5	0.81	47.8/50.3	TESO
602.0	LA Harbor/West Basin	TCM	12/28/87	4.2	86.9/86.8	0.54	57.0/62.0	TESO
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	4.2	84.0/83.2	0.95	59.0/53.0	TESO
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	3.8	85.0/88.1	0.49	52.9/59.1	TESO
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	3.7	NA/86.1	0.60	NA/60.5	SO
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90	3.8	NA/86.6	0.41	NA/60.9	SO
602.6	LA Harbor/Berth 50	TCM	12/22/89	3.7	84.4/NA	NA	62.6/NA	TE
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	4.2	82.8/80.9	1.33	54.0/59.0	TESO
602.8	LA Harbor/Berth 49	TCM	12/28/87	4.2	84.2/NA	NA	61.0/NA	TESO
602.8	LA Harbor/Berth 49	TCM	12/19/88	3.8	84.0/NA	NA	59.9/NA	TE
602.8	LA Harbor/Berth 49	TCM	12/22/89	3.7	84.3/NA	NA	60.7/NA	TE
602.8	LA Harbor/Berth 49	TCM	12/22/89	3.7	84.3/NA	NA	60.7/NA	TE
602.8	LA Harbor/Berth 49	TCM	12/23/90	3.8	83.5/ 9.0	NA	66.9/NA	TE
602.9	LA Harbor/Berth 51	TCM	12/22/89	3.7	81.9/NA	NA	63.3/NA	TE
603.0	LA Harbor/Berth 151	TCM	12/28/87	4.2	86.4/87.4	0.54	62.0/58.0	TESO
603.0	LA Harbor/Berth 151	TCM	12/19/88	3.8	NA/85.1	0.95	NA/66.0	SO
603.6	LA Harbor/Slip 240	TCM	12/28/87	4.2	81.9/83.0	0.81	63.0/54.0	TESO
603.8	LA Harbor/West Channel	TCM	12/28/87	4.2	84.0/86.8	0.61	64.0/55.0	TESO
604.5	LA Harbor/Berth 212	TCM	12/19/88	3.8	79.0/NA	NA	58.5/NA	TE
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	3.8	83.0/84.6	0.65	63.7/65.0	TESO
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91	NA	NA/91.2	0.71	NA/78.1	SO
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	NA	NA/91.6	0.54	NA/65.1	SO
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	4.2	87.8/88.4	0.67	67.0/60.0	TESO
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	4.2	88.2/86.8	0.66	59.0/60.0	TESO
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	4.2	NA/82.1	1.01	NA/76.0	SO
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	4.2	88.4/90.1	0.40	56.0/66.0	TESO
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	3.8	88.0/87.6	0.81	63.0/61.1	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	3.7	NA/90.8	0.24	NA/61.3	SO
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	3.8	NA/90.7	0.58	NA/65.6	SO
616.0	La Harbor/Consolidated Slip	SED	08/29/91	NA	NA/57.5	NA	NA/NA	SO
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	3.8	86.3/89.2	0.66	60.0/53.8	TESO
616.0	LA Harbor/Consolidated Slip	SED	09/10/92	NA	NA/52.8	NA	NA/NA	SO
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	3.9	NA/86.5	0.83	NA/54.4	SO
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	NA	88.8/93.1	0.54	42.3/42.3	TESO
617.6	Point Fermin	RCM	01/05/93	NA	NA/86.3	0.58	NA/38.8	SO
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	NA	NA/88.4	0.52	NA/49.7	SO
618.0	LA Harbor/Angels Gate	TCM	12/23/90	3.8	80.4/82.2	0.77	63.0/54.9	TESO
618.0	LA Harbor/Angels Gate	RCM	12/22/91	NA	NA/88.3	1.12	NA/64.5	SO
618.0	LA Harbor/Angels Gate	RCM	03/08/93	NA	NA/88.5	0.74	NA/45.5	SO
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	NA	88.6/89.0	NA	69.2/69.9	TESO
619.2	San Pedro Breakwater	RCM	03/08/93	NA	NA/85.5	0.60	NA/49.9	SO
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	3.8	NA/82.4	0.38	NA/50.9	SO
621.0	LA Harbor/Berth 120	TCM	12/23/90	3.8	NA/87.7	0.36	NA/52.1	SO
622.0	LA Harbor/Commer Marine	TCM	12/23/90	3.8	86.3/84.0	NA	59.4/59.4	TESO
648.0	Malibu	RBM	12/26/90	NA	85.6/88.5	0.29	54.6/58.3	TESO
648.0	Malibu	RBM	01/06/93	NA	86.9/85.4	1.01	53.1/55.2	TESO
648.1	Malibu Lagoon/Channel A	SED	12/22/91	NA	55.5/50.5	NA	NA/NA	TESO
648.1	Malibu Lagoon/Channel A	SED	09/10/92	NA	58.2/48.6	NA	NA/NA	TESO
648.3	Malibu Lagoon/Channel C	SED	12/22/91	NA	44.4/37.0	NA	NA/NA	TESO
648.3	Malibu Lagoon/Channel C	SED	09/10/92	NA	47.9/51.3	NA	NA/NA	TESO
648.5	Malibu Lagoon/PCH	SED	12/22/91	NA	38.5/15.2	NA	NA/NA	TESO
648.5	Malibu Lagoon/PCH	SED	09/10/92	NA	25.3/26.4	NA	NA/NA	TESO
650.0	Santa Monica	RCM	12/19/88	NA	80.0/NA	NA	54.2/NA	TE
650.0	Santa Monica	RBM	12/26/90	NA	85.0/86.0	0.26	59.7/65.7	TESO
650.0	Santa Monica	RCM	01/06/93	NA	85.3/90.5	0.48	57.1/48.7	TESO
656.0	Manhattan Beach	RCM	12/19/88	NA	83.0/NA	NA	62.3/NA	TE
658.0	Redondo Beach	RCM	12/19/88	NA	81.0/NA	NA	65.9/NA	TE
662.0	Royal Palms	RCM	12/28/87	NA	86.2/89.7	0.70	56.0/60.0	TESO
662.0	Royal Palms	RCM	12/19/88	NA	85.0/85.3	0.57	66.6/66.6	TESO
662.0	Royal Palms	RCM	12/22/89	NA	85.0/83.2	0.49	58.9/58.1	TESO
662.0	Royal Palms	RCM	12/26/90	NA	87.4/86.6	0.37	65.6/70.3	TESO
662.0	Royal Palms	RCM	11/25/91	NA	85.3/87.3	0.65	60.7/62.5	TESO
662.0	Royal Palms	RCM	01/05/93	NA	85.4/89.5	0.50	45.7/47.9	TESO
664.0	Cabrillo Beach	RCM	12/22/91	NA	NA/89.5	0.63	NA/53.8	SO
664.2	Cabrillo Beach Buoy	RCM	01/05/93	NA	NA/89.1	0.80	NA/59.3	SO
681.0	Catalina Island/West	RCM	09/04/91	NA	86.2/NA	NA	62.5/NA	TE
682.0	Catalina Island/Ribbon Rock	RCM	09/19/90	NA	83.5/NA	NA	45.9/NA	TE

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682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	NA	87.5/89.2	0.60	60.1/63.3	TESO
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	4.3	81.1/81.5	0.97	62.0/66.0	TESO
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	3.8	80.0/81.8	1.10	55.4/55.1	TESO
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	3.9	80.7/83.8	0.97	57.7/59.3	TESO
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	3.7	84.9/84.5	0.55	54.9/62.3	TESO
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	3.8	79.1/81.2	1.27	62.4/58.1	TESO
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	4.3	79.4/80.2	0.85	59.0/58.0	TESO
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	3.9	81.6/81.3	1.30	63.7/63.7	TESO
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	3.7	83.8/84.3	0.68	62.2/60.7	TESO
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	3.8	84.2/80.5	1.61	59.1/53.3	TESO
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	3.7	86.5/84.2	0.52	61.2/56.1	TESO
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	3.8	82.8/84.6	1.31	61.8/57.6	TESO
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	4.3	80.9/81.8	0.92	68.0/58.0	TESO
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	3.8	81.0/84.0	0.92	57.5/55.5	TESO
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	3.9	83.2/83.2	1.26	62.4/62.3	TESO
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	4.3	85.3/87.6	0.56	57.0/61.0	TESO
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	3.9	85.2/86.6	0.78	56.8/56.7	TESO
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	3.7	89.2/90.3	0.11	55.4/61.4	TESO
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	3.8	86.4/87.8	0.87	61.9/56.6	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	4.3	87.7/88.9	0.38	55.0/59.0	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	3.8	84.0/89.2	0.61	51.6/54.8	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	3.9	86.5/87.7	0.40	54.9/56.1	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	3.7	89.6/90.5	0.18	58.0/56.1	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	3.8	87.4/90.1	0.51	53.0/54.1	TESO
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	4.0	87.8/89.0	0.75	53.3/53.3	TESO
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	4.3	86.3/89.8	0.30	60.0/60.0	TESO
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	3.8	84.0/87.1	0.64	60.5/52.3	TESO
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	3.8	85.0/86.9	0.66	59.0/57.2	TESO
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	2.4	89.9/90.9	0.91	26.5/26.5	TESO
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	1.2	85.3/85.0	2.09	29.3/29.3	TESO
719.8	Temescal Creek/Nichols Road	TFC	04/02/92	2.4	88.8/NA	NA	23.2/NA	TE
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	3.7	80.1/80.0	1.04	58.3/60.7	TESO
721.0	Newport Bay/Entrance	TCM	12/21/87	4.0	86.0/87.2	0.35	67.0/60.0	TESO
721.0	Newport Bay/Entrance	TCM	12/20/88	3.8	82.0/84.6	1.07	62.6/65.3	TESO
721.0	Newport Bay/Entrance	TCM	12/27/89	3.9	83.4/84.2	0.72	62.8/63.9	TESO
721.0	Newport Bay/Entrance	TCM	12/21/90	3.7	85.5/86.3	0.38	60.4/58.8	TESO
723.0	Newport Bay/Bay Island	TCM	12/21/87	4.0	83.2/83.6	0.92	60.0/60.0	TESO
723.0	Newport Bay/Bay Island	TCM	12/27/89	3.9	83.2/84.7	0.83	65.5/67.6	TESO
723.0	Newport Bay/Bay Island	TCM	12/21/90	3.7	86.3/89.7	0.27	55.1/60.5	TESO
723.0	Newport Bay/Bay Island	TCM	12/22/91	3.8	84.2/85.6	0.95	53.3/54.1	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
723.4	Newport Bay/Turning Basin	TCM	12/21/87	4.0	87.7/88.4	0.48	61.0/55.0	TESO
723.4	Newport Bay/Turning Basin	TCM	12/20/88	3.8	88.0/87.8	0.50	56.0/50.7	TESO
723.4	Newport Bay/Turning Basin	TCM	12/27/89	3.9	85.8/88.1	0.70	57.5/63.0	TESO
723.4	Newport Bay/Turning Basin	TCM	12/21/90	3.7	89.3/91.6	0.23	62.1/51.0	TESO
723.4	Newport Bay/Turning Basin	TCM	12/22/91	3.8	86.3/90.0	0.28	60.7/60.2	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	4.0	85.8/88.0	0.58	57.0/57.0	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	3.8	82.0/86.8	0.73	60.3/56.1	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	3.9	83.3/85.5	0.81	60.1/60.1	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	3.7	88.1/90.7	0.30	62.4/59.9	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	3.8	85.6/86.9	0.67	59.5/64.3	TESO
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	4.0	89.3/93.0	0.45	54.9/57.3	TESO
725.0	Newport Bay/Crows Nest	TCM	12/21/87	4.0	86.1/87.6	0.77	59.0/61.0	TESO
725.0	Newport Bay/Crows Nest	TCM	12/20/88	3.8	84.0/85.4	0.69	56.7/61.7	TESO
725.0	Newport Bay/Crows Nest	TCM	12/27/89	3.9	86.6/87.2	0.63	60.2/64.9	TESO
725.0	Newport Bay/Crows Nest	TCM	12/21/90	3.7	88.4/89.5	0.35	59.4/57.2	TESO
725.0	Newport Bay/Crows Nest	TCM	12/22/91	3.8	84.0/87.6	0.70	58.7/61.5	TESO
725.0	Newport Bay/Crows Nest	TCM	01/05/93	4.0	88.6/89.8	0.38	57.1/58.7	TESO
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	4.0	86.7/88.2	0.50	64.0/62.0	TESO
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	3.8	86.0/88.6	0.53	59.1/59.1	TESO
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	3.8	88.0/89.2	0.60	53.2/58.7	TESO
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	4.0	86.0/86.9	0.75	64.0/66.0	TESO
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	3.8	89.0/90.6	0.44	59.4/70.1	TESO
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	3.9	87.9/88.3	0.52	55.4/55.1	TESO
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	NA	45.5/45.5	NA	NA/NA	TESO
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	NA	NA/21.0	NA	NA/NA	SO
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	3.7	89.2/87.8	0.57	54.4/63.0	TESO
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	3.8	83.7/84.5	1.26	57.1/58.2	TESO
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	4.0	88.9/87.3	1.16	57.5/57.5	TESO
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	1.9	90.9/90.2	0.95	23.6/23.6	TESO
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	1.2	81.4/84.0	4.61	30.6/30.6	TESO
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	2.5	91.9/NA	NA	30.0/NA	TESO
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	0.6	95.0/91.5	0.62	28.8/28.7	TESO
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	1.4	84.8/88.1	0.98	20.5/20.5	TESO
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	1.9	92.4/92.5	0.61	24.3/24.3	TESO
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	1.2	89.4/88.5	1.95	29.3/29.3	TESO
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	1.4	86.4/86.9	1.27	20.5/20.5	TESO
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	2.5	91.4/93.3	0.94	30.0/30.0	TESO
728.7	Upper Newport Bay/Drain 4	TFC	03/14/90	1.4	80.2/NA	NA	19.7/NA	TE
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	1.9	93.0/92.8	0.69	22.5/22.5	TESO
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	1.2	82.6/87.9	1.60	25.9/25.9	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	2.5	93.4/91.1	1.05	31.0/32.0	TESO
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	1.4	89.2/89.5	0.94	20.8/20.8	TESO
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	NA	32.3/22.4	NA	NA/NA	TESO
730.0	Huntington Beach Pier	RCM	12/26/90	NA	80.7/NA	NA	61.1/NA	TE
735.0	Corona Del Mar	RCM	12/26/90	NA	84.0/82.8	0.38	60.8/65.5	TESO
735.0	Corona Del Mar	RCM	11/29/91	NA	86.4/86.5	0.56	58.4/59.9	TESO
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	NA	55.6/60.0	NA	NA/NA	TESO
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	3.8	86.7/87.4	0.79	61.9/55.3	TESO
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	3.9	87.4/87.4	NA	57.0/57.0	TESO
744.1	San Onofre 1	TCM	01/30/89	4.3	79.0/79.6	0.92	65.5/65.5	TESO
744.1	San Onofre 1	TCM	09/27/90	5.9	76.3/77.0	0.98	53.9/53.9	TESO
744.1	San Onofre 1	TCM	03/12/91	5.5	86.8/84.9	0.51	59.4/63.8	TESO
744.1	San Onofre 1	TCM	10/24/91	7.4	81.9/84.0	0.75	67.9/67.1	TESO
744.1	San Onofre 1	TCM	03/25/92	5.1	82.7/84.0	1.04	64.3/59.7	TESO
744.2	San Onofre 2	TCM	01/30/89	4.3	74.0/78.0	1.35	65.3/64.4	TESO
744.2	San Onofre 2	TCM	11/22/89	9.9	80.8/80.2	1.35	64.7/64.7	TESO
744.2	San Onofre 2	TCM	10/01/90	6.0	75.5/76.0	1.00	61.7/56.9	TESO
744.2	San Onofre 2	TCM	03/12/91	5.4	86.9/86.0	0.55	63.5/65.2	TESO
744.2	San Onofre 2	TCM	03/25/92	5.1	82.9/84.0	1.20	65.5/66.3	TESO
744.3	San Onofre 3	TCM	11/22/89	9.9	81.2/81.7	1.15	66.3/66.3	TESO
744.3	San Onofre 3	TCM	04/04/90	4.4	80.6/81.0	1.40	66.2/66.2	TESO
744.3	San Onofre 3	TCM	09/27/90	5.9	75.3/76.6	1.30	59.2/59.7	TESO
744.3	San Onofre 3	TCM	03/12/91	5.5	90.5/82.8	1.18	63.1/63.9	TESO
744.3	San Onofre 3	TCM	03/25/92	5.1	83.5/83.7	1.27	58.8/58.7	TESO
744.4	San Onofre 4	TCM	01/30/89	4.3	75.0/77.9	1.68	63.0/60.9	TESO
744.4	San Onofre 4	TCM	11/22/89	9.9	80.3/80.0	1.33	62.3/62.3	TESO
744.4	San Onofre 4	TCM	04/04/90	4.4	80.2/79.6	1.78	60.0/61.7	TESO
744.4	San Onofre 4	TCM	03/12/91	5.5	83.3/85.8	0.58	67.5/63.5	TESO
744.4	San Onofre 4	TCM	10/24/91	7.4	83.3/83.7	0.90	65.6/58.5	TESO
744.4	San Onofre 4	TCM	03/25/92	5.1	81.8/81.6	1.35	62.5/63.3	TESO
744.5	San Onofre 5	TCM	01/30/89	4.3	75.0/78.5	1.51	53.2/65.8	TESO
744.5	San Onofre 5	TCM	11/22/89	9.9	78.4/78.5	1.44	65.0/65.0	TESO
744.5	San Onofre 5	TCM	04/04/90	4.4	79.9/79.6	1.55	61.7/61.7	TESO
744.5	San Onofre 5	TCM	10/01/90	6.0	75.3/75.0	0.91	58.3/55.8	TESO
744.5	San Onofre 5	TCM	03/12/91	5.4	83.6/85.7	0.68	59.3/61.3	TESO
744.5	San Onofre 5	TCM	03/25/92	5.1	82.3/80.9	1.46	70.8/66.9	TESO
744.6	San Onofre 6	TCM	01/30/89	4.3	76.0/79.2	1.20	64.0/64.0	TESO
744.6	San Onofre 6	TCM	11/22/89	9.9	77.9/78.1	1.58	71.1/71.1	TESO
744.6	San Onofre 6	TCM	04/04/90	4.4	82.4/81.6	1.53	58.3/66.4	TESO
744.6	San Onofre 6	TCM	09/27/90	5.9	82.8/74.2	1.60	57.3/59.1	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
744.6	San Onofre 6	TCM	03/12/91	5.5	81.0/81.5	0.99	62.0/64.5	TESO
744.6	San Onofre 6	TCM	10/24/91	7.4	82.7/82.7	1.05	56.1/57.3	TESO
744.6	San Onofre 6	TCM	03/25/92	5.1	82.7/84.3	1.10	67.7/65.7	TESO
748.0	Oceanside/Harbor	TCM	12/21/87	4.1	85.6/NA	NA	59.0/NA	TE
748.0	Oceanside/Harbor	TCM	01/05/93	3.9	87.7/87.7	NA	50.5/50.5	TESO
748.0	Oceanside/Harbor	TCM	12/21/91	3.7	88.2/89.2	0.53	59.7/59.7	TESO
750.0	Oceanside	RCM	12/21/87	NA	82.9/83.4	0.34	49.0/56.0	TESO
750.0	Oceanside	RCM	12/20/88	NA	81.0/82.0	0.72	58.6/58.6	TESO
750.0	Oceanside	RCM	12/21/89	NA	87.1/88.5	0.31	59.1/64.7	TESO
750.0	Oceanside	RCM	12/22/90	NA	82.7/80.9	0.89	55.3/59.2	TESO
750.0	Oceanside	RCM	12/21/91	NA	84.4/86.9	0.55	56.6/61.3	TESO
750.0	Oceanside	RCM	09/09/92	NA	82.3/82.9	0.77	55.9/58.3	TESO
751.0	Oceanside/Transplant	SED	12/22/90	NA	31.9/32.0	NA	NA/NA	TESO
753.0	Inner Agua Hedionda	TCM	12/21/87	4.1	NA/75.0	NA	NA/64.7	SO
832.0	La Jolla	RCM	12/22/90	NA	85.2/84.1	0.60	54.7/58.7	TESO
832.0	La Jolla	RCM	11/26/91	NA	86.3/86.6	0.52	53.7/64.5	TESO
832.0	La Jolla	RCM	01/05/93	NA	87.7/88.5	0.57	53.5/58.1	TESO
838.2	Point Loma/Sunset Cliffs	RCM	12/22/87	NA	87.0/NA	NA	45.0/NA	TE
838.2	Point Loma/Sunset Cliffs	RCM	12/20/88	NA	86.0/NA	NA	52.9/NA	TE
838.2	Point Loma/Sunset Cliffs	RCM	12/21/89	NA	87.2/NA	NA	51.9/NA	TE
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	NA	90.3/86.7	0.38	52.9/52.9	TESO
838.2	Point Loma/Sunset Cliffs	RCM	11/26/91	NA	89.0/NA	NA	42.9/NA	TE
838.2	Point Loma/Sunset Cliffs	RCM	09/09/92	NA	83.1/NA	NA	48.8/NA	TE
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	12/20/88	NA	84.0/NA	NA	55.8/NA	TE
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	01/05/93	NA	85.8/NA	NA	40.1/NA	TE
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	3.7	88.5/86.1	0.35	70.6/70.6	TESO
866.0	Fisherman Channel	SED	09/03/90	NA	40.4/40.0	NA	NA/NA	TESO
866.0	Fisherman Channel	TCM	12/22/90	3.7	85.9/84.3	0.83	69.0/66.9	TESO
868.5	Mission Bay/Landfill 1	SED	09/01/89	NA	25.0/37.0	NA	NA/NA	TESO
868.5	Mission Bay/Landfill 1	TCM	12/21/89	3.7	86.0/86.1	0.53	71.5/60.5	TESO
868.5	Mission Bay/Landfill 1	SED	09/03/90	NA	35.0/49.2	NA	NA/NA	TESO
868.5	Mission Bay/Landfill 1	TCM	12/22/90	3.7	80.8/78.8	0.79	60.0/60.1	TESO
868.5	Mission Bay/Landfill 1	TCM	12/21/91	3.7	82.5/81.6	1.30	53.8/56.5	TESO
868.6	Mission Bay/Landfill 2	SED	09/03/90	NA	39.3/37.4	NA	NA/NA	TESO
868.6	Mission Bay/Landfill 2	TCM	12/21/91	3.7	81.4/80.0	1.27	53.1/66.1	TESO
871.0	Mission Bay/South Shore/Rock 2	TCM	01/05/93	3.9	84.8/NA	NA	58.7/NA	TE
872.4	Mission Bay/Kendall-Frost Reserve	TCM	01/04/93	3.9	87.3/NA	NA	52.5/NA	TE
873.5	Mission Bay/Harbor Police	TCM	01/04/93	3.9	86.4/NA	NA	61.4/NA	TE
881.0	San Diego Bay/Sweetwater Marsh	TCM	12/21/88	3.9	80.0/NA	NA	55.1/NA	TE
881.3	Sweetwater River/Mouth 1	SED	09/07/90	NA	30.5/31.8	NA	NA/NA	TESO

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APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

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881.3	Sweetwater River/Mouth 1	TCM	01/15/91	4.3	85.5/86.4	0.74	59.7/57.9	TESO
881.3	Sweetwater River/Mouth 1	SED	08/31/91	NA	51.8/48.6	NA	NA/NA	TESO
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	3.7	84.5/86.3	0.71	57.9/54.4	TESO
881.4	Sweetwater River/Mouth 2	SED	08/31/91	NA	33.1/26.2	NA	NA/NA	TESO
881.5	San Diego Bay/Rohr Channel Mouth	TCM	01/05/93	3.9	87.0/NA	NA	48.7/NA	TE
882.0	24th St Maritime Terminal/South	TCM	12/22/87	4.1	86.0/NA	NA	59.0/NA	TE
882.0	24th St Maritime Terminal/South	TCM	12/21/91	3.7	86.3/NA	NA	63.1/NA	TE
882.2	24Th St Maritime Terminal/North	TCM	12/21/88	3.9	86.0/NA	NA	52.3/NA	TE
882.2	24Th St Maritime Terminal/North	SED	09/01/89	NA	56.2/NA	NA	NA/NA	TE
882.2	24Th St Maritime Terminal/North	TCM	12/21/89	3.7	87.9/NA	NA	61.6/NA	TE
882.2	24Th St Maritime Terminal/North	TCM	01/05/93	3.9	87.3/NA	NA	53.1/NA	TE
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	4.1	87.2/87.2	NA	60.0/NA	TESO
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	4.1	86.6/87.8	0.64	53.0/61.0	TESO
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	3.9	86.0/86.6	0.68	53.4/59.7	TESO
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	3.9	90.7/92.0	0.59	55.4/49.9	TESO
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	3.9	85.0/86.7	0.91	53.1/60.4	TESO
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	3.7	87.2/86.2	0.75	60.1/59.6	TESO
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	3.7	85.5/86.2	0.72	60.3/60.4	TESO
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	3.9	84.0/87.4	0.58	49.3/51.6	TESO
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	3.9	86.0/86.2	0.86	57.1/54.9	TESO
883.4	San Diego Bay/Continental Maritime	TCM	12/21/88	3.9	86.0/NA	NA	54.4/NA	TE
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	3.9	89.4/89.3	0.58	58.0/55.3	TESO
883.5	San Diego Bay/Tuna Docks	TCM	12/21/88	3.9	85.0/NA	NA	60.3/NA	TE
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	4.1	83.6/83.6	0.80	64.0/62.0	TESO
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	3.9	82.0/82.9	1.39	59.5/55.6	TESO
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	NA	47.8/53.5	NA	NA/NA	TESO
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	NA	53.6/51.7	NA	NA/NA	TESO
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	3.9	88.0/88.8	0.49	57.9/54.3	TESO
885.2	San Diego Bay/32nd Street	TCM	12/21/88	3.9	87.0/88.3	0.53	58.6/62.3	TESO
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	3.9	84.0/86.0	0.93	57.2/55.2	SO
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	3.9	84.0/86.7	0.65	55.4/55.4	TESO
887.0	San Diego Bay/Evans Street	SED	09/07/90	NA	61.9/64.9	NA	NA/NA	TESO
887.0	San Diego Bay/Evans Street	TCM	12/22/90	3.5	86.1/88.3	0.26	66.0/59.3	TESO
887.0	San Diego Bay/Evans Street	TCM	12/21/91	3.7	85.9/87.1	0.76	63.5/59.8	TESO
887.0	San Diego Bay/Evans Street	TCM	01/05/93	3.9	87.0/91.5	0.56	47.9/52.4	TESO
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	3.7	85.6/85.8	0.98	52.5/59.2	TESO
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	3.9	88.1/90.5	0.43	59.9/59.9	TESO
891.0	San Diego Bay/G Street Pier	TCM	12/22/87	4.1	87.0/NA	NA	57.0/NA	TE
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	3.9	89.1/88.2	0.64	57.2/49.8	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	4.1	85.8/87.0	0.45	60.0/60.0	TESO

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

** TE = Trace Elements
SO = Synthetic Organics
TESO = Trace Elements & Synthetic Organics
NA = Not Analyzed

APPENDIX C (continued)

State Mussel Watch Program

1987-93 Sample Information

Station Number	Station Name	Sample Type*	Sample Date	Transplant Duration (months)	Percent Water TE/SO	Percent Lipid	Length (mm) TE/SO	Sample Analysis Type**
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	3.9	82.0/85.2	0.60	56.2/59.5	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/01/89	NA	35.7/NA	NA	NA/NA	TE
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	3.7	84.7/85.6	0.48	56.7/56.7	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	NA	29.5/25.2	NA	NA/NA	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	3.5	87.0/90.6	0.25	56.6/62.3	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	NA	46.3/31.3	NA	NA/NA	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	NA	88.1/90.2	0.53	62.1/56.0	TESO
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	3.9	88.1/87.9	0.60	55.1/48.0	TESO
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	3.9	85.0/84.9	0.94	59.5/59.5	TESO
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	3.9	81.0/82.6	1.20	60.0/60.0	TESO
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	3.9	84.0/85.1	0.66	52.7/63.9	TESO
894.8	Laurel Street Storm Drain	TCM	12/21/88	3.9	86.0/86.3	0.73	58.7/59.5	TESO
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	3.9	88.9/89.5	0.41	56.0/58.6	TESO
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	4.1	83.4/82.9	0.92	62.0/64.0	TESO
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	3.9	88.0/87.1	0.55	49.9/49.5	TESO
898.0	Commercial Basin/Carlton Street	TCM	12/21/89	3.7	83.8/NA	NA	61.7/NA	TESO
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	3.9	89.2/87.1	0.63	53.5/58.1	TESO
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	3.9	84.0/NA	NA	61.8/59.7	TESO
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/89	3.7	85.0/NA	NA	60.0/NA	TE
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	3.7	82.3/82.7	1.37	59.1/60.1	TESO
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	3.9	87.1/86.6	0.70	51.8/63.2	TESO
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	3.9	86.7/88.7	0.86	55.5/50.1	TESO
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	4.1	79.7/80.0	NA	58.0/58.3	TESO
901.0	San Diego Bay/Degausing Station	SED	09/07/90	NA	27.1/26.1	NA	NA/NA	TESO
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	3.7	79.6/81.0	1.22	60.1/58.9	TESO
904.0	Imperial Beach/Pier	RCM	12/22/90	NA	82.2/82.4	0.46	39.8/39.8	TESO

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TESO = Trace Elements & Synthetic Organics

NA = Not Analyzed

APPENDIX D

Station Sampling History

APPENDIX D

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
1.0	1	Crescent City Harbor	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	SO	--
2.0	1	Crescent City/STP Outfall	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
2.1	1	Crescent City Harbor Jetty	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
3.0	1	Crescent City/Control	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
5.0	1	Redwoods/North	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7.0	1	Redwoods/South	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10.0	1	Trinidad Head	TESO	TESO	SO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
95.0	1	McDaniel Slough	--	--	--	--	--	--	--	--	--	--	--	--	SO	SO	SO	--
99.0	1	Mad River/Oyster Docks	--	--	--	--	--	--	--	--	--	--	SO	--	--	--	--	--
100.0	1	Mad River Slough	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	SO	SO	SO	SO	TESO	--
100.5	1	Arcata Dock	--	--	--	--	--	--	TESO	SO	SO	SO	--	--	--	SO	SO	--
100.6	1	Mad River/Oyster Bed	--	--	--	--	--	--	SO	--	--	--	--	--	SO	--	--	--
100.8	1	Bird Island	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
101.0	1	Samoa Bridge/West	--	--	TESO	TESO	TESO	TESO	TESO	TESO	--	TESO	SO	--	--	TESO	--	--
101.2	1	Arcata Bay/Channel Marker	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--
102.0	1	Samoa Bridge/East	--	SO	TESO	TESO	TESO	--	--	--	--	--	--	TESO	--	SO	TESO	--
102.5	1	Woodley Island	--	--	--	--	--	--	TESO	TESO	TESO	TESO	SO	--	--	--	--	--
103.0	1	Eureka Channel	--	--	TESO	TESO	TESO	TESO	--	--	--	--	--	TESO	SO	SO	TESO	TESO
103.2	1	Louisiana Pacific Dock	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--	--	--	--	--
103.3	1	E Street	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	TESO	--
103.4	1	Humboldt Del Norte Pier	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--
103.6	1	Simpson Dock	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--	--	--	--	--
103.7	1	Eda Dock	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	TE	--
104.0	1	Eureka STP/Outfall	--	--	--	--	--	--	TESO	TESO	--	TESO	TESO	--	TESO	TESO	TESO	--
104.5	1	Eureka STP/Control	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
105.0	1	Humboldt Bay/Entrance	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
106.0	1	Fields Landing	--	--	--	--	TESO	--	--	TESO	TE	TE	--	--	--	SO	TESO	--
130.0	1	Shelter Cove	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
150.0	1	Glass Beach	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
150.4	1	Noyo Harbor	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	TESO
151.0	1	Shell Beach	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
152.0	1	Pudding Creek	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
153.0	1	Pygmy Forest	TESO	TESO	SO	SO	SO	--	--	--	--	--	--	--	--	--	--	--
155.1	1	Lake Pillsbury 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
155.3	1	Lake Pillsbury 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO

* Sample Year = State Fiscal Year (July 1 - June 30). For example, Sample Year 1978 = 1977-78 Fiscal Year.

-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
159.0	1	Russian River West Fork	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	TESO	TESO
160.0	1	Lake Mendocino	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--
165.0	1	Russian River Below Ukiah	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	TESO	TESO
170.0	1	Gerstle Cove	TESO	TESO	SO	--	--	--	--	--	--	--	--	--	--	--	--	--
175.0	1	Big Sulfur Creek	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	--	TESO
176.0	1	Lake Sonoma	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
190.0	1	Estero Americano	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
200.0	1	Russian River/N Goat Rock	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--
201.0	1	Bodega Bay	--	--	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
202.0	1	Bodega Head	TESO	TESO	TE	TESO	TESO	TESO	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
203.0	2	Tomales Bay	--	SO	TESO	TESO	TESO	--	--	--	--	--	--	--	--	TESO	TESO	--
204.0	1	Estero De San Antonio	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
205.0	1	Bodega Harbor/Spud Point Marina	--	--	--	--	--	--	--	--	--	--	--	TESO	SO	TESO	TESO	TESO
207.0	2	Point Reyes	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
208.0	2	Bolinas	--	--	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
280.0	1	Russian River/S Goat Rock	--	--	--	--	--	--	--	--	--	TE	TE	TE	--	--	--	TESO
290.0	1	Russian River/near Moscow	--	--	--	--	--	--	--	--	TESO	TE	TE	--	--	--	--	TESO
292.0	1	Gualala River/Twin Bridge	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--	--
294.1	1	Mark West Creek/Slusser Road	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	--
294.2	1	Windsor Creek/Mark West Station Rd	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--
294.5	1	Green Valley Creek 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
294.6	1	Green Valley Creek 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
295.1	1	Santa Rosa Fl Con Ch/Willowside Rd	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--
295.2	1	Laguna de Santa Rosa/Stony Point	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TE	--
295.3	1	Mark West Creek/Wholer Road	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	TESO	--
295.4	1	Russian River/Wholer Bridge	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
295.5	1	Russian River/Hacienda Bridge	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	TESO	--
297.0	5	Putah Creek	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
298.0	5	Brannan Island	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--	--	--
298.3	2	Concord Naval/Pier 4	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--
298.4	2	Concord Naval/Seal Island	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
299.1	2	Selby Slag 4	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--
299.2	2	Selby Slag 5	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--
299.3	2	Selby Slag 6	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--
299.4	2	Selby Slag 7	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--

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-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
300.2	2	Mare Island	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	--	--	--	--
301.0	2	Davis Point	--	--	TE	--	--	TESO	--	--	--	--	TE	--	--	--	--	--
301.4	2	Union Oil Outfall	--	--	--	--	--	--	--	--	--	--	TE	TE	--	--	--	--
302.0	2	Point Pinole	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
302.4	2	Castro Cove Bridge	--	--	--	--	--	--	--	--	--	--	TESO	TESO	SO	--	--	--
303.0	2	Richmond/San Rafael Bridge	--	--	TESO	TESO	TESO	TESO	--	--	--	--	--	--	--	--	--	--
303.1	2	Santa Fe Channel/Mouth	--	--	--	--	--	--	--	--	TESO	--	--	--	--	TESO	--	--
303.2	2	Lauritzen Canal/Mouth	--	--	--	--	--	--	--	SO	SO	SO	SO	--	--	--	--	--
303.3	2	Lauritzen Canal/End	--	--	--	--	--	--	--	--	SO	SO	SO	--	--	TESO	--	--
303.4	2	Santa Fe Channel/End	--	--	--	--	--	--	--	SO	SO	SO	--	--	--	TESO	--	--
303.6	2	Richmond Inner Harbor Basin	--	--	--	--	--	--	--	TE	SO	TESO	TESO	TESO	--	--	--	--
304.0	2	Staufer's	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
304.4	2	Serl Intake	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
304.6	2	Point Isabel	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--
305.0	2	San Francisco Bay/Angel Island	--	--	TESO	TESO	TE	TESO	--	--	--	--	--	--	--	--	--	--
306.0	2	San Francisco Bay/Fort Baker	--	--	--	TESO	--	TESO	--	--	--	--	--	--	--	TESO	TESO	TESO
306.5	2	Alcatraz Island	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
307.0	2	San Francisco Bay/Treasure Is	--	SO	TESO	TESO	TESO	TESO	TESO	TESO	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO
307.2	2	Alameda Yacht Harbor	--	--	--	--	--	--	--	TE	TESO	TESO	TESO	TESO	--	--	--	--
307.3	2	Oakland Inner Harbor/West	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--	--
307.4	2	Oakland Inner Hbr/Embarcadero Cove	--	--	--	--	--	--	--	SO	TESO	TESO	TESO	TESO	--	TESO	TESO	TESO
307.5	2	Lake Merritt	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO
307.6	2	Oakland Back Harbor	--	--	--	--	--	--	--	SO	TESO	TESO	TESO	--	--	--	--	--
307.8	2	San Francisco Outfall	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
307.9	2	San Francisco/Islais Channel	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--
308.0	2	San Francisco Bay/Hunter's Point	--	--	--	TESO	TESO	TESO	--	--	--	--	--	--	--	TESO	TESO	TESO
308.2	2	Hunter's Point/Shipyard	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--
309.0	2	San Mateo Bridge/8B	--	--	TE	TESO	TESO	TESO	TESO	TE	TE	TE	--	--	TE	TESO	TESO	TESO
310.0	2	San Mateo Bridge/8A	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
311.0	2	San Mateo Old Bridge	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
312.0	2	Belmont Slough	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
313.0	2	San Francisco Bay/near Redwood Cr	--	--	--	TESO	TESO	TESO	TESO	TE	--	--	--	--	--	TESO	TESO	TESO
314.0	2	Redwood Creek/Channel Marker 10	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
315.0	2	Redwood Creek/Towers	--	--	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--
316.0	2	Redwood Creek/Tradewinds	--	--	TESO	--	TE	TE	--	--	--	--	--	--	--	--	--	--

* Sample Year = State Fiscal Year (July 1 - June 30). For example, Sample Year 1978 = 1977-78 Fiscal Year.

-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
317.0	2	Redwood City/STP Outfall	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
318.0	2	Redwood Creek/Pete's Marina	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
318.4	2	Redwood Creek/Bair Island	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
319.0	2	Redwood Creek/Pulgas	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
320.0	2	San Francisco Airport	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
321.0	2	Dumbarton Bridge/Channel Marker 14	--	--	TE	TESO	TESO	TE	TESO	TE	TE	TE	TE	TESO	--	TESO	TESO	--
323.3	2	Palo Alto Outfall	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--
324.0	2	Newark Slough	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
325.0	2	Channel Marker 17	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
326.0	2	Palo Alto/Channel Marker 8	--	--	--	--	TE	TE	--	--	--	--	--	--	--	TESO	TESO	TESO
327.0	2	Palo Alto/Yacht Club	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
328.0	2	Alviso Slough	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
330.0	2	Duxbury Reef	--	--	TESO	SO	--	--	--	--	--	--	--	--	--	--	--	--
331.0	2	Muir Beach	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
332.0	2	Point Bonita	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
333.0	2	Farallon Islands	TESO	TESO	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
334.0	2	Cliff House	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
335.0	2	Pacifica	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
336.0	2	J. Fitzgerald	TESO	TESO	SO	SO	--	--	--	--	--	--	--	--	--	TESO	--	--
399.2	2	Pescadero Creek	--	--	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--
399.3	3	Waddell Creek	--	--	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--
399.5	3	San Lorenzo River	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
399.7	3	San Lorenzo River/Felton	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
400.0	3	Ano Nuevo Island	TESO	TESO	TE	--	--	TESO	--	--	--	--	--	--	--	--	--	--
400.2	3	Younger Lagoon	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
400.5	3	Santa Cruz/Long Marine Laboratory	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
400.6	3	Santa Cruz/Natural Bridges	--	--	--	--	--	--	--	--	--	TE	TE	TE	--	--	--	--
400.8	3	Aptos Creek	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--
401.0	3	Santa Cruz Harbor	--	--	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
401.1	3	Santa Cruz/T Dock	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
401.2	3	Watsonville Slough/Mouth	--	--	--	--	--	SO	SO	--	SO	--	--	--	--	--	--	--
401.3	3	Moss Landing/Yacht Harbor	--	--	--	--	--	--	TESO	--	--	TESO	--	SO	--	--	--	--
401.4	3	Elkhorn Slough	--	--	--	--	--	SO	SO	--	--	--	--	--	--	--	--	--
401.5	3	Watsonville Slough/Bridge	--	--	--	--	--	--	--	--	--	--	SO	--	--	--	--	SO
401.6	3	Harkins Slough Bridge	--	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--	--

* Sample Year = State Fiscal Year (July 1 - June 30). For example, Sample Year 1978 = 1977-78 Fiscal Year.

-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
401.8	3	San Andreas Road	--	--	--	--	--	--	--	--	SO	SO	SO	--	--	--	--	--
401.9	3	Pajaro River Estuary	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
402.0	3	Elkhorn Slough/Duck Club	--	--	--	--	SO	--	TE	--	--	--	--	--	--	--	--	--
402.1	3	Azevedo Pond	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
402.2	3	Parson's Slough	--	--	--	--	--	SO	SO	SO	SO	SO	SO	SO	--	--	--	TESO
402.3	3	Elkhorn Slough/Pacific Mariculture	--	SO	TE	SO	--	--	SO	SO	--	--	--	SO	--	--	--	--
402.4	3	Elkhorn Slough/PG & E	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--
402.5	3	Elkhorn Slough/Tidal Pond	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
402.8	3	Elkhorn Slough/Skippers	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
403.0	3	Elkhorn Slough/Highway 1 Bridge	--	--	TESO	TESO	--	--	--	SO	SO	SO	SO	SO	--	--	--	--
403.2	3	Moro Cojo	--	--	--	--	--	SO	--	--	--	--	--	SO	--	--	--	--
403.5	3	Moss Landing/South Harbor	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--
403.6	3	Moro Cojo Slough	--	--	--	--	--	--	--	--	--	--	SO	--	--	--	--	--
404.0	3	Sandholdt Bridge	--	--	--	--	SO	SO	SO	SO	SO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
405.0	3	Espinosa Slough	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
405.2	3	Old Salinas River 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	SO
405.3	3	Old Salinas River 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	SO
405.4	3	Old Salinas River Channel 1	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
405.6	3	Salinas River Lag 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	SO
405.7	3	Salinas River Lag 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--
405.8	3	Salinas River Lagoon	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
406.0	5	Westley Station	--	--	--	--	--	--	SO	--	--	--	--	SO	--	--	--	--
406.5	3	Tembladero Slough	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
407.1	3	Moss Landing/Ag Drain/Old River	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
407.2	3	Moss Landing/Ag Drain/Espinosa	--	--	--	--	--	--	--	TESO	--	SO	--	--	--	--	--	--
407.3	3	Moss Landing/Ag Drain/Davis Rd	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--	--	--
407.4	3	Blanco Pump/West	--	--	--	--	--	--	--	TESO	SO	--	--	--	--	--	--	SO
407.5	3	Blanco Pump/East	--	--	--	--	--	--	--	TESO	SO	SO	--	--	--	--	--	--
407.6	3	Moss Landing/Ag Drain/Blanco dstrm	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
407.8	3	Blanco/Hitchcock	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--	--	--
407.9	3	Salinas Sewage Treatment Plant	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
408.0	3	Pacific Grove/Offshore	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
408.1	3	Canal Airport	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
408.2	3	Produce Wash/Downstream/West	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
408.3	3	Produce Wash/Downstream/East	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
408.5	3	Associated Chemicals	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
408.8	3	Salinas/Reclamation Canal 2	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
408.9	3	Salinas/Reclamation Canal 3	--	--	--	--	--	--	--	--	SO	SO	SO	--	--	--	--	--
409.0	3	Salinas/Reclamation Canal 4	--	--	--	--	--	--	--	--	SO	SO	SO	--	--	--	--	--
410.0	3	Monterey Bay/Point Pinos/Shallow	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--
411.0	3	Monterey Bay/Point Pinos	--	--	TE	TE	TE	TESO	TE	--	TE	TE	--	--	--	--	--	--
413.0	3	Monterey Bay/Asilomar	--	--	--	TE	--	TESO	--	--	--	--	--	--	--	--	--	--
414.0	3	Pacific Grove	TESO	TESO	TESO	TESO	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
415.0	3	Lover's Point	--	--	--	--	TE	TESO	--	--	--	--	--	--	--	--	--	--
416.0	3	Monterey Bay/Hopkins Marine Lab	--	--	TE	TE	TE	TESO	--	--	--	--	--	--	--	--	--	--
417.0	3	Monterey Bay/Aquarium	--	--	--	--	--	--	--	TE	--	TE	--	--	--	--	--	--
418.0	3	Pacific Grove/Outrigger	--	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--	--
418.8	3	Monterey Bay/Charthouse	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
419.0	3	Coast Guard Jetty/South Rocks	--	--	--	TE	TE	TESO	--	--	--	--	--	--	--	--	--	--
420.0	3	Monterey Harbor/Coast Guard Jetty	--	--	--	TE	--	--	TE	--	--	--	--	--	--	--	--	--
420.2	3	Monterey/Coast Guard Jetty/Outer	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
421.0	3	Monterey Harbor/Slag Pile	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--
421.1	3	Monterey Harbor/Slag Heap	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
421.3	3	Monterey Harbor/Restaurant Wharf	--	--	--	--	--	--	TE	TE	--	--	--	--	--	--	--	--
421.4	3	Monterey Harbor/Commercial Wharf	--	--	--	--	--	--	TE	TE	--	--	--	--	--	--	--	--
421.5	3	Monterey/Coast Guard Jetty/Docks	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
421.6	3	Monterey/Coast Guard Jetty/End	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
421.7	3	Monterey Harbor/Marina	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--	--	--
421.8	3	Monterey Harbor/Marina/Pier B	--	--	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--
422.0	3	Monterey Bay/Holiday Inn	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
422.5	3	Cypress Point	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
423.0	3	Carmel Bay	TESO	TESO	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--
423.1	3	Carmel Bay/New Control	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	--
423.2	3	Carmel STP/Control	--	--	--	--	--	--	TESO	TE	TE	TE	TE	TE	--	--	--	--
423.3	3	Carmel River	--	--	--	--	--	--	--	TE	TE	TE	--	TE	--	--	--	--
423.4	3	Carmel STP/10m North	--	--	--	--	--	--	TESO	TE	TE	TE	TE	TE	--	--	--	--
423.5	3	Carmel STP/30m South	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	--
423.6	3	Carmel STP/10m South	--	--	--	--	--	--	TESO	TE	--	TE	TE	TE	--	--	--	--
423.7	3	Carmel STP/100m South	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	--
423.8	3	Carmel River/Upstream	--	--	--	--	--	--	--	--	TE	TE	--	--	--	--	--	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
423.9	3	Carmel STP/300m South	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	--
424.0	3	Soberanes Point	TESO	TESO	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--
424.5	3	Granite Canyon/Control	--	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--
425.0	3	J.P. Burns	TESO	TESO	SO	SO	--	TESO	--	--	--	--	--	--	--	--	--	--
425.4	3	Lake San Antonio/Buoy	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--	--	--	--	--
425.6	3	Lake San Antonio	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	--	TESO	--
425.7	3	Nacimiento/East	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
425.8	3	Nacimiento/West	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
426.0	3	Salmon Creek	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
426.5	3	Cayucos Pier	--	--	--	--	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--	--
427.0	3	Morro Bay/Upper	--	--	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
428.0	3	Cayucos	--	--	--	--	--	--	TE	TE	TE	TE	TE	TE	TE	TE	TE	--
428.5	3	Morro Bay/Virg's	--	SO	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
429.0	3	Morro Rock	--	--	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--
429.2	3	Morro Bay/Boat Works	--	--	--	--	--	--	--	--	--	TE	TESO	TESO	TESO	--	--	TE
430.0	3	Montana De Oro	--	--	TE	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
430.1	3	Montana De Oro/South	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
430.2	3	Montana De Oro 1	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
430.4	3	Montana De Oro 2	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
431.0	3	Lion Rock	--	--	--	--	TE	TE	TE	TE	TE	TE	TE	TE	TE	--	--	--
432.0	3	Pup Rock	--	--	--	--	TE	TE	TE	TE	TE	TE	TE	TE	TE	--	--	--
433.0	3	Diablo Cove/North	--	--	--	--	TE	TESO	TE	TE	TE	TE	TE	TE	TE	TE	TE	--
434.0	3	Diablo Cove/South	--	--	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
435.0	3	Intake Cove	--	--	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
436.0	3	Pecho Rock	--	--	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--	--	--
437.0	3	Point San Luis	--	--	--	--	TE	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
438.0	3	Avila	--	--	--	--	TE	TESO	TE	TESO	TESO	TESO	TE	TE	TE	TE	TE	--
440.0	3	Lion Rock/Transplant	--	--	--	--	--	TESO	TE	TESO	TESO	TESO	TE	TESO	TESO	TE	TE	--
441.0	3	Lion/Diablo/Transplant	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TE	TE	--
442.0	3	Diablo Cove/North/Transplant	--	--	--	--	--	--	TE	TESO	TESO	TE	TESO	TESO	TESO	TE	TE	--
442.1	3	Diablo Cove/N/Transplant/Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	TE	--
443.0	3	Diablo Cove/South/Transplant	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
443.1	3	Diablo Cove/S/Transplant/Shallow	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
444.0	3	Intake Cove/Transplant	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
445.0	3	San Luis Harbor/Transplant	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--

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-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
446.0	3	San Luis Obispo Creek 1	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
446.1	3	San Luis Obispo/Creek 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--
446.2	3	San Luis Obispo Creek 3	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	TESO	--
446.4	3	San Luis Obispo/Creek 4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--
449.0	3	Point Arguello	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
450.0	3	Point Conception	TESO	TESO	--	--	--	--	--	--	--	--	--	TE	TE	TESO	--	--
455.0	3	Gaviota	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TE	--	--	--
460.0	3	Goleta Slough 1	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--
460.1	3	Goleta Slough 2	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--
460.2	3	Goleta Slough 3	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
460.3	3	Goleta Slough 4	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
470.0	3	Santa Barbara Harbor	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--
471.0	3	Mission Creek	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
472.0	3	Waste Slough/Laguna Drainage	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
475.0	3	Carpinteria Marsh	--	--	--	--	--	--	--	--	--	--	SO	SO	--	--	--	--
480.0	5	Lake Isabella	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
485.0	4	Ventura Marina	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
485.2	4	Ventura River Estuary	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--
487.1	4	Santa Clara River Estuary 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--
487.3	4	Santa Clara River Estuary 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--
500.0	3	San Miguel Island/West	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
501.0	3	San Miguel Island/East	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
502.0	3	Santa Cruz Island	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
503.0	4	Anacapa Island	TESO	TESO	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--
504.0	4	Santa Barbara Island	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
505.0	4	Channel Island Harbor	--	--	TE	TESO	SO	--	--	--	--	--	--	--	--	--	--	--
505.2	4	Channel Island Harbor/North	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
506.0	4	Port Hueneme	--	--	TESO	TESO	SO	--	--	--	--	--	--	--	--	--	--	--
506.1	4	Port Hueneme/Wharf B	--	--	--	--	--	--	--	--	SO	SO	TESO	SO	--	--	--	--
506.2	4	Port Hueneme/Wharf 1	--	--	--	--	--	--	--	--	SO	TESO	TESO	SO	--	--	--	--
506.3	4	Port Hueneme/Entrance	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
507.0	4	Point Mugu	TESO	TESO	--	--	--	--	--	--	--	--	--	--	--	--	--	--
507.1	4	Mugu Lagoon/L Street	--	--	--	--	--	--	--	--	--	TESO	--	--	--	SO	--	--
507.2	4	Mugu Lagoon/Laguna Road	--	--	--	--	--	--	--	--	SO	TESO	--	--	--	SO	--	--

* Sample Year = State Fiscal Year (July 1 - June 30). For example, Sample Year 1978 = 1977-78 Fiscal Year.

-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
507.3	4	Mugu Lagoon/Calleguas Creek	--	--	--	--	--	--	--	--	SO	TESO	--	TESO	SO	SO	SO	SO
507.4	4	Ag Drain/Etting Road	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--
507.6	4	Ag Drain/Pleasant Valley Road	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--
507.7	4	Revolon Slough/Las Posas Rd	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--
507.8	4	Revolon Slough	--	--	--	--	--	--	--	--	--	TESO	SO	SO	SO	SO	--	--
508.1	4	Mugu Drainage 1	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.2	4	Mugu Drainage 2	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.3	4	Mugu Drainage 3	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.4	4	Mugu Drainage 4	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.5	4	Mugu Drainage 5	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.6	4	Mugu Drainage 6	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
508.7	4	Mugu Drainage 7	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
509.0	4	Calleguas	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--
553.0	4	Marina Del Rey/Entrance	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
554.0	4	Marina Del Rey/Harbor Patrol Docks	--	--	--	--	--	--	--	--	TESO	--	TESO	TESO	--	--	--	--
555.0	4	Marina Del Rey/Basin G	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--	--	--	--
555.2	4	Marina Del Rey/Basin D	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
556.0	4	Marina Del Rey/Basin E	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--	--	--	--
557.0	4	Marina Del Rey/Ballona Creek	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--	--	--	--	--
559.0	4	King Harbor	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
601.0	4	LA Harbor/National Steel	--	--	--	--	TESO	--	TESO	TESO	TESO	TESO	TESO	TESO	SO	SO	TESO	TESO
602.0	4	LA Harbor/West Basin	--	--	--	--	TESO	--	TE	TESO	TESO	TESO	TESO	--	--	--	--	--
602.5	4	LA Harbor/Todd Shipyards	--	--	--	--	--	--	--	TESO	TESO	--	TESO	TESO	SO	SO	--	--
602.6	4	LA Harbor/Berth 50	--	--	--	--	--	--	--	--	--	--	--	--	TE	--	--	--
602.7	4	LA Harbor/Pacific Ave/Storm Drain	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
602.8	4	LA Harbor/Berth 49	--	--	--	--	--	--	--	--	--	TESO	TESO	TE	TE	TE	--	--
602.9	4	LA Harbor/Berth 51	--	--	--	--	--	--	--	--	--	--	--	--	TE	--	--	--
603.0	4	LA Harbor/Berth 151	--	--	--	--	TESO	--	TESO	TESO	TESO	--	TESO	SO	--	--	--	--
603.6	4	LA Harbor/Slip 240	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--
603.8	4	LA Harbor/West Channel	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--
604.0	4	LA Harbor/GATX Terminal	--	--	--	SO	TESO	SO	--	--	TESO	--	--	--	--	--	--	--
604.5	4	LA Harbor/Berth 212	--	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	--
605.0	4	LA Harbor/Cabrillo Pier	--	SO	SO	--	TESO	--	TESO	--	--	--	--	TESO	--	--	SO	SO
606.0	4	LA Harbor/Fish Harbor/Outer	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
606.2	4	LA Harbor/Fish Harbor	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
606.3	4	LA Harbor/Watchorn Basin	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
607.0	4	LA Harbor/Terminal Island	--	--	--	SO	TESO	--	TE	--	TESO	--	--	--	--	--	--	--
607.4	4	LB Harbor/Berth 214	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
607.6	4	LB Harbor/Channel 2	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
607.7	4	LB Harbor/Navy Mole Jetty	--	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--
607.8	4	LB Harbor/Pier J	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
608.0	4	LB Harbor/Navy Mole	--	--	--	TESO	--	SO	--	--	--	--	--	--	--	--	--	--
609.0	4	LB Harbor/Tide Gauge	--	--	TESO	TESO	TESO	SO	TESO	--	TESO	--	SO	--	--	--	--	--
609.4	4	Long Beach/Queensway Bay	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
610.0	4	LA River/Mouth	--	--	--	SO	--	SO	--	TESO	--	--	--	--	--	--	--	--
611.0	4	LB Harbor/Pier F	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
611.5	4	LB Harbor/LAPD Ramp	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--	--
612.0	4	LB Harbor/Navy Channel	--	--	--	SO	--	SO	--	--	--	--	--	--	--	--	--	--
613.0	4	LB Harbor/Southern Calif Edison	--	--	--	--	TESO	--	TESO	--	TESO	--	--	--	--	--	--	--
614.0	4	LB Harbor/Channel 3	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
615.0	4	LB Harbor/Henry Ford Bridge	--	--	--	--	TESO	--	--	--	TESO	TESO	--	--	--	--	--	--
616.0	4	LA Harbor/Consolidated Slip	--	--	--	--	TESO	SO	SO	TESO	TESO	TESO	TESO	TESO	SO	SO	TESO	TESO
617.0	4	White's Point	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
617.6	4	Point Fermin	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
617.9	4	Cabrillo Beach/Ocean Side	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
618.0	4	LA Harbor/Angels Gate	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	SO	SO
619.0	4	LA Harbor/San Pedro Boatworks	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
619.2	4	San Pedro Breakwater	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
620.0	4	LB Harbor/JH Baxter 80	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--
620.5	4	LA River/Upstream	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
621.0	4	LA Harbor/Berth 120	--	--	--	--	--	--	--	--	--	--	--	--	--	SO	--	--
622.0	4	LA Harbor/Commer Marine	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
625.0	4	Alamitos Bay/West 2nd Street	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--
626.0	4	Alamitos Bay/Cerritos Channel	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--
627.0	4	Alamitos Bay/Marine Stadium	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--
627.4	4	Alamitos Bay/Marine Stadium/North	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
647.0	4	Point Dume	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
648.0	4	Malibu	--	--	--	TE	--	--	--	--	--	--	--	--	--	TESO	--	TESO
648.1	4	Malibu Lagoon/Channel A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO
648.3	4	Malibu Lagoon/Channel C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
648.5	4	Malibu Lagoon/PCH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO
649.0	4	Big Rock Beach	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
650.0	4	Santa Monica	--	--	--	TE	--	--	--	--	--	--	--	TE	--	TESO	--	TESO
651.0	4	Marina Del Rey/North Docks	--	--	TE	TESO	--	--	--	--	--	--	--	--	--	--	--	--
652.0	4	Marina Del Rey/North Docks Jetty	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
653.0	4	Marina Del Rey/South Docks Jetty	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
654.0	4	Playa Del Rey	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
655.0	4	El Segundo/Grand Avenue	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
656.0	4	Manhattan Beach	--	--	--	TE	--	--	--	--	--	--	--	TE	--	--	--	--
657.0	4	Hermosa Beach	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
658.0	4	Redondo Beach	--	--	--	TE	--	--	--	--	--	--	--	TE	--	--	--	--
659.0	4	Palos Verdes Point	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
660.0	4	Point Vicente	--	--	TE	TESO	--	--	--	--	--	--	--	--	--	--	--	--
661.0	4	Royal Palms/North	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--	--	--
662.0	4	Royal Palms	TESO	TESO	TESO	SO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
663.0	4	Royal Palms/South	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
664.0	4	Cabrillo Beach	--	--	TE	SO	--	--	--	--	--	--	--	--	--	--	SO	--
664.2	4	Cabrillo Beach Buoy	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SO
680.0	4	Catalina Island/East	--	TESO	TE	TESO	--	--	--	--	--	--	--	--	--	--	--	--
681.0	4	Catalina Island/West	TESO	TESO	TE	TE	--	--	--	--	--	--	--	--	--	--	TE	--
682.0	4	Catalina Island/Ribbon Rock	--	--	--	TE	--	--	--	--	--	--	--	--	--	TE	--	TESO
683.0	4	Catalina Island/Ben Weston	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--	--
684.0	4	Catalina Island/Silver Canyon	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
685.0	4	Catalina Island/Church Rock	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
701.0	4	Colorado Lagoon/West	--	--	--	--	TESO	--	--	TESO	TESO	--	--	--	--	--	--	--
701.2	4	Colorado Lagoon/East	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
703.0	4	Alamitos Bay/Pier 22	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
707.0	8	Anaheim Bay/Navy Harbor	--	--	--	--	--	--	TESO	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--
708.0	8	Anaheim Bay/Navy Marsh	--	--	--	--	--	--	TESO	--	--	TESO	TESO	--	TESO	TESO	TESO	--
708.5	8	Anaheim Bay/Navy Marsh 2	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
709.0	8	Anaheim Bay/Entrance	--	--	--	TE	SO	--	--	--	--	--	--	--	--	--	--	--
710.0	8	Anaheim Bay/Fuel Docks/North	--	--	TESO	SO	--	--	--	--	--	--	--	--	--	--	--	--
710.2	8	Anaheim Bay/Fuel Docks/South	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	--	--	--
711.0	8	Huntington Harbour/Launch Ramp Dks	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
712.0	8	Huntington Harbour/Peter's Landing	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
713.0	8	Huntington Harbour/Edinger Street	--	--	--	--	--	--	TESO	--	TESO	TESO	TESO	--	TESO	TESO	TESO	--
715.0	8	Huntington Harbour/Warner Ave Brdg	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
717.0	8	Huntington Harbour/Harbor Lane	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--	--	TESO	--
719.1	8	Santa Ana River/Prado Dam	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO
719.8	8	Temescal Creek/Nichols Road	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TE	--
720.0	8	Newport Pier	--	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--
720.5	8	Newport Bay/Offshore Ref	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--
721.0	8	Newport Bay/Entrance	--	--	--	--	TE	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--	--
722.0	8	Newport Bay/Police Docks	--	--	TESO	TESO	TE	TESO	--	--	SO	--	--	--	--	--	--	--
722.4	8	Newport Bay/El Paseo Drive	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
723.0	8	Newport Bay/Bay Island	--	--	--	--	TESO	TESO	SO	TESO	TESO	TESO	TESO	--	TESO	TESO	TESO	--
723.4	8	Newport Bay/Turning Basin	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	--
724.0	8	Newport Bay/Highway 1 Bridge	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
724.4	8	Newport Bay/Dunes Dock	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
725.0	8	Newport Bay/Crows Nest	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
726.0	8	Newport Bay/Rhine Channel/Upper	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--	--	--	--
726.2	8	Newport Bay/Rhine Channel/26th Ave	--	--	--	--	--	--	--	--	--	TESO	--	TESO	--	--	--	--
726.4	8	Newport Bay/Rhine Channel/End	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO
727.0	8	Garden Grove/Wintersburg Channel	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	TESO
728.4	8	Upper Newport Bay/MacArthur	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	TESO	TESO	TESO	--	TESO
728.5	8	Upper Newport Bay/Drain 2	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--
728.6	8	Upper Newport Bay/San Diego Cr 1	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
728.7	8	Upper Newport Bay/Drain 4	--	--	--	--	--	--	--	--	--	--	--	--	TE	TESO	--	TESO
728.8	8	Upper Newport Bay/San Diego Cr 2	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
728.9	8	Upper Newport Bay/Drain 5	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--
730.0	8	Huntington Beach Pier	--	--	TE	--	--	--	--	--	--	--	--	--	--	TE	--	--
731.0	8	Newport Beach Pier	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
732.0	8	Newport Bay/Entrance/West Jetty	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--	--	--
733.0	8	Newport Bay/Entrance/W Jetty/End	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
734.0	8	Newport Bay/Entrance/East Jetty	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
735.0	8	Corona Del Mar	TESO	TESO	TESO	SO	--	--	--	--	--	--	--	--	--	TESO	TESO	--
736.0	8	Little Corona City Beach	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
737.0	9	Crescent Bay Beach	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
740.0	9	Dana Point Harbor/Boat Yard	--	--	--	--	--	--	--	--	TE	--	--	--	--	TESO	TESO	TESO
744.0	9	San Onofre Nuclear Plant Outfall	--	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--

* Sample Year = State Fiscal Year (July 1 - June 30). For example, Sample Year 1978 = 1977-78 Fiscal Year.

-- = Not Sampled. SO = Synthetic Organics Only. TE = Trace Elements Only. TESO = Trace Elements and Synthetic Organics.

APPENDIX D (continued)

State Mussel Watch Program
Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
744.1	9	San Onofre 1	--	--	--	--	--	--	--	--	--	--	--	TESO	--	TESO	TESO	--
744.2	9	San Onofre 2	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
744.3	9	San Onofre 3	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--
744.4	9	San Onofre 4	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
744.5	9	San Onofre 5	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
744.6	9	San Onofre 6	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	TESO	--
748.0	9	Oceanside/Harbor	--	--	--	--	--	--	--	TE	TE	TE	TE	--	--	--	--	TESO
750.0	9	Oceanside	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO	TESO
751.0	9	Oceanside/Transplant	--	--	--	TE	--	--	--	--	--	--	--	--	--	TESO	--	--
753.0	9	Inner Agua Hedionda	--	--	--	--	--	--	--	--	--	TESO	SO	--	--	--	--	--
800.0	9	Ingraham Street/North	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
830.0	9	Torrey Pines	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
831.0	9	Scripps Oceanographic Inst Pier	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
832.0	9	La Jolla	TESO	TESO	TESO	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO
833.0	9	Boomers Point	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--	--
834.0	9	Bird Rock	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--	--	--
835.0	9	Pacific Beach	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
836.0	9	Mission Bay/North Jetty	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
837.0	9	Mission Bay/South Jetty	--	--	--	TE	TE	--	--	--	--	--	--	--	--	--	--	--
838.0	9	Crystal Pier	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
838.2	9	Point Loma/Sunset Cliffs	--	--	--	--	--	--	--	--	TE	TE	TE	TE	TE	TESO	TE	TE
839.0	9	Point Loma/Pink House	--	--	--	TE	TESO	--	--	--	--	--	--	--	--	--	--	--
839.2	9	Point Loma/STP Outfall	--	--	--	--	--	--	--	--	TE	TE	--	--	--	--	--	--
840.0	9	Naval Ocean Sys Cntr/Dolphin Tanks	--	--	--	TE	TE	TESO	--	TESO	TE	--	--	TE	--	--	--	TE
840.2	9	Point Loma/Coast Guard Station	--	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--
841.0	9	Coronado Hotel	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
842.0	9	Imperial Beach	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--	--
849.0	9	Point Loma/A9d	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
849.5	9	Point Loma/A9s	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
850.0	9	Point Loma/STP/A8s	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
850.5	9	Point Loma	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
852.0	9	Point Loma/A10s	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
864.0	9	Mission Bay/Yacht Club	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--
865.0	9	Mission Bay/Hilton Docks	--	--	--	--	TE	--	TESO	--	--	--	--	--	TESO	--	--	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
866.0	9	Fisherman Channel	--	--	--	--	TE	--	TE	--	TE	--	--	--	--	TESO	--	--
867.0	9	Ingraham Street	--	--	SO	--	TESO	--	--	--	--	--	--	--	--	--	--	--
868.0	9	West Mission Bay Drive	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--	--
868.5	9	Mission Bay/Landfill 1	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	TESO	--
868.6	9	Mission Bay/Landfill 2	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
869.0	9	Mission Bay/Seaworld Tower	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--
870.0	9	Mission Bay/South Shore/Rock 1	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
871.0	9	Mission Bay/South Shore/Rock 2	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	TE
872.0	9	Mission Bay/South Shore/Rock 3	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	--	--
872.2	9	Rose Creek	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--
872.4	9	Mission Bay/Kendall-Frost Reserve	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TE
873.0	9	Mission Bay/Entrance	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--	--
873.5	9	Mission Bay/Harbor Police	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	TE
874.0	9	San Diego River/Channel	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--
874.2	9	Tecolote Creek	--	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--
874.5	9	San Diego River	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
880.0	9	National City	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--	--
881.0	9	San Diego Bay/Sweetwater Marsh	--	--	--	--	--	TESO	--	--	--	--	--	TE	--	--	--	--
881.1	9	San Diego Bay/California Crane	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
881.3	9	Sweetwater River/Mouth 1	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--
881.4	9	Sweetwater River/Mouth 2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO	--
881.5	9	San Diego Bay/Rohr Channel Mouth	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TE
882.0	9	24th St Maritime Terminal/South	--	--	--	--	TESO	TE	TE	TE	TE	TE	TE	--	--	--	TE	--
882.2	9	24Th St Maritime Terminal/North	--	--	--	--	--	TE	--	--	--	--	--	TE	TE	--	--	TE
882.4	9	San Diego Bay/Navy Pier 13	--	--	--	--	--	TE	TE	TE	--	--	--	--	--	--	--	--
882.5	9	San Diego Bay/NASSCO Pier 12	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--
882.6	9	San Diego Bay/Sampson St Extension	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--
882.7	9	San Diego Bay/Sampson Street Pier	--	--	--	--	--	--	--	--	--	SO	TESO	TESO	--	--	--	TESO
882.8	9	San Diego Bay/KELCO Pier	--	--	--	--	--	--	--	--	--	SO	--	TESO	--	--	TESO	--
882.9	9	San Diego Bay/Coronado Brdg/East	--	--	--	--	--	--	--	--	--	SO	--	TESO	--	--	--	--
883.0	9	San Diego Bay/Navy Amphibious Base	--	--	--	SO	SO	TE	--	--	--	--	--	--	--	--	--	--
883.1	9	San Diego Bay/Chollas Creek	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
883.4	9	San Diego Bay/Continental Maritime	--	--	--	--	--	--	--	--	--	--	--	TE	--	--	--	TESO
883.5	9	San Diego Bay/Tuna Docks	--	--	--	--	--	--	--	--	--	SO	--	TE	--	--	--	--
883.6	9	San Diego Bay/7th Street Channel	--	--	--	--	--	--	--	--	--	--	TESO	TESO	--	TESO	TESO	--

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	Sample Year * 1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
883.7	9	San Diego Bay/Terminal S-10th St	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
884.0	9	San Diego Bay/Glorietta Bay	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--	--	--
885.0	9	San Diego Bay/Buoy 30	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
885.2	9	San Diego Bay/32nd Street	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
885.4	9	San Diego Bay/NASSCO 28th St Pier	--	--	--	--	--	--	--	--	--	--	--	SO	--	--	--	--
886.0	9	San Diego Bay/NASSCO	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--	--
886.2	9	San Diego Gas&Electric Silvergate	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
887.0	9	San Diego Bay/Evans Street	--	--	--	--	TESO	TESO	--	--	--	--	--	--	--	TESO	TESO	TESO
888.0	9	San Diego Bay/Coronado Bridge	--	--	TESO	TESO	--	--	--	--	--	--	--	--	--	--	TESO	TESO
889.0	9	San Diego Bay/Coronado Island	--	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--
890.0	9	San Diego Bay/8th Avenue	--	--	--	--	SO	TESO	--	--	--	--	--	--	--	--	--	--
891.0	9	San Diego Bay/G Street Pier	--	--	TE	TESO	TESO	SO	--	--	--	--	TE	--	--	--	--	--
892.0	9	San Diego Bay/N Island/Boathouse	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
893.0	9	San Diego Bay/Laurel Street	--	--	--	--	--	--	--	SO	--	--	--	--	--	--	--	TESO
894.0	9	SD Bay/Harbor Is/E Basin/Storm Dr	--	--	--	--	SO	TESO	--	SO	TESO	--	TESO	TESO	TESO	TESO	TESO	TESO
894.1	9	SD Bay/Harbor Is/E Basin/Storm Dr2	--	--	--	--	--	--	TESO	--	--	--	--	TESO	--	--	--	--
894.2	9	SD Bay/Harbor Is/E Basin/E End Doc	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
894.3	9	SD Bay/Harbor Is/E Basin/Mid Chan	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
894.5	9	SD Bay/Harbor Is/E Basin/W End Doc	--	--	--	--	--	SO	TESO	--	--	--	--	--	--	--	--	--
894.6	9	SD Bay/Harbor Is/E Basin/W End	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--
894.8	9	Laurel Street Storm Drain	--	--	--	--	--	--	--	--	--	--	--	TESO	--	--	--	--
895.0	9	Harbor Island Drive/East	--	--	--	--	TE	SO	--	--	--	--	--	--	--	--	--	--
895.2	9	Harbor Island/West Bay/East	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
895.4	9	Harbor Island/West Bay/West	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
895.6	9	San Diego Bay/Grape St Storm Drain	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	TESO
896.0	9	San Diego Bay/N Island/Runway 36	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
896.2	9	San Diego Bay/N Is/DPDO Dumpsite	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--	--	--
897.0	9	San Diego Bay/Shelter Is/East	--	--	--	--	TE	TESO	--	--	--	--	--	--	--	--	--	--
897.5	9	Commercial Basin/North Harbor Dr	--	--	--	--	--	SO	--	--	TESO	TESO	TESO	--	--	--	--	--
898.0	9	Commercial Basin/Carlton Street	--	--	--	--	SO	TESO	--	--	--	--	--	TESO	TESO	--	--	TESO
898.2	9	San Diego Bay/N Is/Launch Docks	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--
898.4	9	San Diego Bay/North Island Plat	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--	--
899.0	9	San Diego Bay/Shelter Is/Fshg Pier	--	SO	TESO	TESO	--	--	--	--	--	--	--	TE	TE	--	TESO	TESO
899.1	9	San Diego Bay/Shelter Is/Duffy's	--	--	--	--	--	--	--	--	--	TE	--	--	--	--	--	--
899.2	9	San Diego Bay/Shelter Island	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	TESO

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APPENDIX D (continued)

State Mussel Watch Program

Station Sampling History

Station Number	Region	Station Name	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
			Sample Year *															
899.4	9	San Diego Bay/Shelter Is/Fuel Dock	--	--	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--
900.0	9	San Diego Bay/Range Marker	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
900.5	9	San Diego Bay/Bait Tanks	--	--	--	--	--	--	--	TE	--	--	--	--	--	--	--	--
901.0	9	San Diego Bay/Degausing Station	--	--	--	--	TESO	TESO	--	--	--	--	--	--	--	TESO	TESO	--
901.2	9	San Diego Bay/N Island/Ammo Pier	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--
902.0	9	Zuniga Jetty/Buoy	--	--	--	SO	--	--	--	--	--	--	--	--	--	--	--	--
903.0	9	Zuniga Jetty	--	--	--	--	--	--	TESO	TE	TESO	--	--	--	--	--	--	--
904.0	9	Imperial Beach/Pier	--	--	--	--	--	--	TE	--	--	--	--	--	--	TESO	--	--
904.8	9	Tijuana River/Imperial Beach	--	--	--	--	--	--	--	TESO	TESO	--	--	--	--	--	--	--
905.0	9	Tijuana River	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--	--	--
906.0	9	Mexican Border	--	--	--	--	--	--	--	--	TESO	--	--	--	--	--	--	--

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APPENDIX E

List of Station Name Changes

APPENDIX E

State Mussel Watch Program
List of Station Name Changes

Station Number	Region	Old Station Name	New Station Name
200.0	1	Russian River	Russian River/N Goat Rock
280.0	1	Russian River/Mouth	Russian River/S Goat Rock
295.1	1	Willowside Road	Santa Rosa Fl Con Ch/Willowside Rd
295.3	1	Russian River/Wholer Bridge	Mark West Creek/Wholer Road
295.4	1	Laguna de Santa Rosa/Wholer Road	Russian River/Wholer Bridge
314.0	2	Redwood Creek/10	Redwood Creek/Channel Marker 10
321.0	2	Dumbarton Bridge/14	Dumbarton Bridge/Channel Marker 14
326.0	2	Palo Alto/8	Palo Alto/Channel Marker 8
400.2	3	Younger Lagoon 1	Younger Lagoon
400.8	3	Aptos Creek/NB/SR/Control	Aptos Creek
423.4	3	Carmel STP/North	Carmel STP/10m North
423.5	3	Carmel STP/30m	Carmel STP/30m South
423.6	3	Carmel STP/South	Carmel STP/10m South
423.7	3	Carmel STP/100m	Carmel STP/100m South
423.9	3	Carmel STP/300m	Carmel STP/300m South
460.0	3	Goleta Slough	Goleta Slough 1
460.1	3	Goleta Slough 1	Goleta Slough 1 (460.0)
460.2	3	Goleta Slough 2	Goleta Slough 2 (460.1)
460.3	3	Goleta Slough 3	Goleta Slough 3 (460.2)
460.4	3	Goleta Slough 4	Goleta Slough 4 (460.3)
480.0	5	Isabella Lake/Corbicula Control	Lake Isabella
607.4	4	LA/LB Harbors/Berth 214	LB Harbor/Berth 214
607.6	4	LA/LB Harbors/Channel 2	LB Harbor/Channel 2
607.7	4	LA/LB Harbors/Navy Mole Jetty	LB Harbor/Navy Mole Jetty
607.8	4	LA/LB Harbors/Pier J	LB Harbor/Pier J
608.0	4	LA/LB Harbors/Navy Mole	LB Harbor/Navy Mole
609.0	4	LA/LB Harbors/Tide Gauge	LB Harbor/Tide Gauge
611.0	4	Long Beach Harbor/Pier F	LB Harbor/Pier F
611.5	4	Long Beach Harbor/LAPD Ramp	LB Harbor/LAPD Ramp
612.0	4	LA/LB Harbors/Navy Channel	LB Harbor/Navy Channel
613.0	4	LA/LB Southern California Edison	LB Harbor/Southern Calif Edison
614.0	4	Long Beach/Channel 3	LB Harbor/Channel 3
615.0	4	LA Harbor/Henry Ford Bridge	LB Harbor/Henry Ford Bridge
618.0	4	La Harbor/Angels Gate	LA Harbor/Angels Gate
620.0	4	LA/LB Harbor/JH Baxter 80	LB Harbor/JH Baxter 80
719.8	8	Temescal Creek/Nickels Road	Temescal Creek/Nichols Road
728.4	8	Upper Newport Bay/Macarthur Brdg	Upper Newport Bay/MacArthur
749.0	9	Oceanside/Boatyard	Oceanside/Harbor (748.0)
871.0	9	Mission Bay/South Shore/Rock 2	Mission Bay/Landfill 2 (868.6)
872.4	9	Mission Bay/Kendall-Frost Pres	Mission Bay/Kendall-Frost Reserve
882.5	9	San Diego Bay/NASCO Pier 12	San Diego Bay/NASSCO Pier 12
883.0	9	San Diego Bay/Navy Amphibian Base	San Diego Bay/Navy Amphibious Base
883.4	9	San Diego Bay/Continental Marine	San Diego Bay/Continental Maritime
885.4	9	San Diego Bay/Nasco 28th St Pier	San Diego Bay/NASSCO 28th St Pier
886.0	9	San Diego Bay/NASCO	San Diego Bay/NASSCO
894.0	9	East Commercial Basin/Storm Drain	SD Bay/Harbor Is/E Basin/Storm Dr
894.1	9	East Commercial Basin/Soft Bottom	SD Bay/Harbor Is/E Basin/Storm Dr2
894.2	9	Convair Lagoon Dock	SD Bay/Harbor Is/E Basin/E End Doc
894.3	9	Convair Lagoon Mid Channel	SD Bay/Harbor Is/E Basin/Mid Chan
894.5	9	East Commercial Basin/Docks	SD Bay/Harbor Is/E Basin/W End Doc
894.6	9	East Commercial Basin/West End	SD Bay/Harbor Is/E Basin/W End
897.5	9	Commercial Basin/North Harbor Drv	Commercial Basin/North Harbor Dr

APPENDIX F

Summary of 1987-93 Data

Organic Chemicals Exceeding Selected Criteria

(ppb, wet weight)

APPENDIX F

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon	Total DDT	Dichlorobenzophenone
2.0	Crescent City/STP Outfall	RCM	02/12/88								
2.0	Crescent City/STP Outfall	RCM	02/17/89								
2.0	Crescent City/STP Outfall	RCM	02/23/90								
2.0	Crescent City/STP Outfall	RCM	03/12/92			5.1*					
3.0	Crescent City/Control	RCM	02/12/88								
3.0	Crescent City/Control	RCM	02/23/90								
3.0	Crescent City/Control	RCM	03/12/92								
10.0	Trinidad Head	RCM	09/08/87								
10.0	Trinidad Head	RCM	09/20/88								
10.0	Trinidad Head	RCM	09/28/89								

Station Number	Dicofol	Dieldrin	Total Endosulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene
2.0									0.9**			
2.0		2.1*	0.5									
2.0									0.2*			
2.0												
3.0							0.6*		0.2*			
3.0									0.2*			
3.0									0.2*			
10.0												
10.0							0.5*					
10.0						1.6*	1.3**		0.3**			

Station Number	Methoxychlor	Ethylparathion	Methylparathion	Oxadiazon	Phenol	Pentachlorophenol	Tetrachlorophenol	Total PCB	Tetradifon	Toxaphene	Tributyltin
2.0											
2.0											
2.0											
2.0											
3.0											
3.0											
3.0											
10.0											4.5*
10.0						1.3*					
10.0							1.1*				

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
10.0	Trinidad Head	RCM	09/18/90								
10.0	Trinidad Head	RCM	10/08/91								
100.0	Mad River Slough	TCM	02/25/92								
100.5	Arcata Dock	TCM	02/25/92								
155.1	Lake Pillsbury 1	TFC	03/31/93								
176.0	Lake Sonoma	TFC	03/30/93								
190.0	Estero Americano	RCM	02/06/90								
190.0	Estero Americano	RCM	03/05/92								
202.0	Bodega Head	RCM	08/14/87								
202.0	Bodega Head	RCM	08/24/88								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
10.0						1.7**						
10.0									0.3**			
100.0												
100.5												
155.1									0.6*			
176.0									0.6*			
190.0							0.6*					
190.0		1.7*							0.2*			
202.0												
202.0		1.6*										

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
10.0											
10.0							2.1*				
100.0						32.0*	4.1*				
100.5							2.9*				
155.1											
176.0											
190.0											
190.0											
202.0											2.8*
202.0											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
202.0	Bodega Head	RCM	08/28/89		0.2*						
202.0	Bodega Head	RCM	08/22/90								
202.0	Bodega Head	RCM	08/28/91								
202.0	Bodega Head	RCM	09/01/92								
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92								
207.0	Point Reyes	RCM	01/29/91								
280.0	Russian River/S Goat Rock	TCM	02/25/93								
294.5	Green Valley Creek 1	TFC	03/30/93								4.9**
294.6	Green Valley Creek 2	TFC	03/30/93								
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
202.0												
202.0		1.8*										
202.0						2.0**			0.2*			
202.0		1.8*						0.3**	0.2*			
205.0												
207.0		2.1*										
280.0							0.2**				0.3*	
294.5									0.6*			
294.6								0.2**	0.7*			
295.1										0.1*		

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
202.0					0.3*						44.5**
202.0											
202.0							5.0**				
202.0											
205.0							6.2**				
207.0											
280.0											
294.5											
294.6											
295.1											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88						5.9*		
295.4	Russian River/Wholer Bridge	TFC	01/30/91								
295.4	Russian River/Wholer Bridge	TFC	04/07/92								
298.0	Brannan Island	RFC	12/29/87								
302.0	Point Pinole	TCM	01/14/88								
302.0	Point Pinole	TCM	01/20/93				0.3*				
302.4	Castro Cove Bridge	TCM	01/18/88	2.7**		63.7**					
303.1	Santa Fe Channel/Mouth	TCM	03/22/91								
303.2	Lauritzen Canal/Mouth	TCM	01/14/88							628.7**	
303.3	Lauritzen Canal/End	TCM	01/14/88	36.4**		70.0**				5073.6**	

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
295.2								0.5**				
295.4									1.0**			
295.4						0.1*			0.7*			
298.0			0.7*						0.3*			
302.0										0.1**		
302.0												
302.4		18.2**										
303.1		7.7*										
303.2		87.0**		6.3**								0.3**
303.3		602.0##		61.6**		5.5**	1.4**	4.2**	1.3**			

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.2											
295.4											
295.4											
298.0											
302.0											
302.0											
302.4											
303.1											
303.2											
303.3		2.2**						196.0*		196.0**	

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
303.3	Lauritzen Canal/End	TCM	03/22/91	3.6**						1369.3**	
303.4	Santa Fe Channel/End	TCM	03/22/91	0.7**						368.8**	
303.6	Richmond Inner Harbor Basin	TCM	01/14/88								
303.6	Richmond Inner Harbor Basin	TCM	12/29/88				1.0*				
304.4	Serl Intake	TCM	03/22/91								
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93				0.6*				
307.2	Alameda Yacht Harbor	TCM	01/14/88	0.1**							
307.2	Alameda Yacht Harbor	TCM	12/30/88								
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93				0.9*				
307.5	Lake Merritt	RBM	05/22/92								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
303.3		100.0**										0.2**
303.4		32.5**										
303.6		8.6*										
303.6								0.2**				
304.4												
307.0												
307.2											0.3*	
307.2		7.1*										
307.4										0.1**	0.4*	
307.5											0.5**	

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
303.3				1.5*							
303.4				1.2*							
303.6											
303.6											
304.4				1.8*							
307.0				1.1*							
307.2											
307.2											
307.4											
307.5				1.3**							

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
307.5	Lake Merritt	RCM	03/16/93			10.8**		0.3*			0.3**
307.6	Oakland Back Harbor	TCM	01/14/88								
307.9	San Francisco/Islais Channel	TCM	01/15/88				0.8*				
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93				0.6*				
308.2	Hunter's Point/Shipyard	TCM	01/15/88								
308.2	Hunter's Point/Shipyard	TCM	12/29/88								
309.0	San Mateo Bridge/8B	TCM	02/01/93				0.7*				
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93				0.6*				
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82								
323.3	Palo Alto Outfall	TCM	12/29/88								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
307.5		2.4*								0.1**		
307.6												
307.9								0.5**	0.5*			
308.0											0.3*	
308.2												
308.2												
309.0											0.4*	
313.0												
321.0		7.6*							0.9**			
323.3									0.5*			

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.5								100.0**			
307.6						28.8*					
307.9											
308.0											
308.2								273.0*			
308.2								265.6*			
309.0										12.0*	
313.0											
321.0											
323.3											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
323.3	Palo Alto Outfall	TCM	02/09/90								
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91								
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93				1.4**				
399.7	San Lorenzo River/Felton	TFC	02/16/91								
401.1	Santa Cruz/T Dock	TCM	02/08/89								
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89					6.4**			
401.5	Watsonville Slough/Bridge	TFC	02/02/88	1.0*					110.0**		4.0*
401.5	Watsonville Slough/Bridge	TFC	03/10/93	1.0*		49.4*				1058.1#	
401.6	Harkins Slough Bridge	TFC	02/02/88								6.2**
401.8	San Andreas Road	TFC	02/03/88	0.7*							

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
323.3									0.8**		0.2*	
326.0									1.3**		0.2*	
326.0												
399.7										0.7**		
401.1												
401.3		14.2*	30.7*									
401.5	55.0*					0.1*				0.3**	3.0**	
401.5		170.0*		18.0*					0.7*		2.6**	
401.6	88.0*									0.3**	1.0*	
401.8	40.5*	126.0*									2.0*	

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
323.3											
326.0				1.3*							
326.0											
399.7											
401.1											1560.0*
401.3											
401.5	2.40**										
401.5				28.0*						1500.0*	
401.6			1.8**								
401.8											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-zide	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
401.9	Pajaro River Estuary	TFC	03/10/93								
402.1	Azevedo Pond	TCM	02/25/93					6.3**			20.0**
402.2	Parson's Slough	TCM	03/02/88					4.8*			
402.2	Parson's Slough	TCM	01/04/89					4.6*			
402.2	Parson's Slough	TCM	02/25/93				3.7**	25.0**			
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89					5.4*			
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93					22.0**			
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88					1.6*			
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89					1.0*			
403.2	Moro Cojo	TCM	01/04/89					8.4**			

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
401.9					2.7**				0.7*			
402.1		47.0**	12.2*	1.7**							2.0**	
402.2			44.2*									
402.2			47.1**								0.2*	
402.2		24.0**	17.8*	2.5**							0.7**	
402.3			23.7*								0.3*	
402.5		20.0**	17.6*	3.4**							2.2**	
403.0			37.0*									
403.0			13.6*			0.7*						
403.2		20.9**	53.5**	0.8*							1.1**	

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
401.9	0.50**										
402.1										100.0**	
402.2											
402.2											
402.2				1.5*						130.0**	
402.3											
402.5				1.4*						74.0*	
403.0											
403.0											
403.2											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
403.6	Moro Cojo Slough	TCM	02/02/88					2.0*			
404.0	Sandholdt Bridge	TCM	01/04/89					7.3**		168.3*	
404.0	Sandholdt Bridge	TCM	02/19/90				1.0*	9.9**	10.0**	236.7*	
404.0	Sandholdt Bridge	TCM	02/04/91					0.8*			
404.0	Sandholdt Bridge	TCM	01/28/92				4.0**	20.0**		217.8*	
404.0	Sandholdt Bridge	TCM	02/01/93	0.2**			7.3**	43.0**		393.3**	
405.2	Old Salinas River 2	TFC	03/10/93								
405.3	Old Salinas River 1	TFC	03/10/93				110.0**	300.0*			
405.7	Salinas River Lag 2	TFC	03/16/92							1068.1#	5.4**
406.0	Westley Station	RFC	01/04/89					0.9**			

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
403.6			25.4*									
404.0		11.5*	55.7**	1.4**								
404.0		15.0*	72.0**									
404.0												
404.0		30.0**	35.5*	5.9**							0.4*	
404.0		47.0**	46.8*	6.8**	2.1**						0.5**	0.2**
405.2									0.6*			
405.3				20.0*							0.8*	1.4*
405.7			105.4*	20.0*		0.2*						
406.0			1.1*									

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
403.6											
404.0										26.9*	
404.0										140.0**	
404.0											
404.0										83.0**	
404.0	1.00**			1.2*						350.0**	
405.2											
405.3	1.70**										
405.7	3.50**										
406.0											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
406.5	Tembladero Slough	TFC	03/10/93	0.8*			110.0**	250.0*			
407.4	Blanco Pump/West	TFC	03/10/93				61.0*				
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	1.4*		143.2**	288.0**	171.0*		2556.9#	
414.0	Pacific Grove	RCM	12/19/88					0.4*			
414.0	Pacific Grove	RCM	01/09/89								
414.0	Pacific Grove	RCM	02/08/90								
414.0	Pacific Grove	RCM	01/31/92								
414.0	Pacific Grove	RCM	02/12/93					0.2*			
421.7	Monterey Harbor/Marina	TCM	01/22/88								
421.7	Monterey Harbor/Marina	TCM	04/05/89								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
406.5										0.1*	1.4*	1.5*
407.4		150.0*										
409.0		396.0##		37.8**								
414.0			0.9*							0.1**		
414.0			0.9*									
414.0			0.8*									
414.0												
414.0												
421.7												
421.7												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
406.5										660.0*	
407.4										770.0*	
409.0								82.8*		3510.0**	
414.0											
414.0											
414.0											
414.0						2.7**					
414.0											
421.7										104.4**	2618.6*
421.7											1760.0*

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
421.8	Monterey Harbor/Marina/Pier B	TCM	01/22/88								
437.0	Point San Luis	RCM	09/03/90								
460.0	Goleta Slough 1	TCM	12/18/88					1.0*	3.0**		
475.0	Carpinteria Marsh	TCM	01/26/88								
475.0	Carpinteria Marsh	TCM	12/18/88				2.0**				
485.0	Ventura Marina	TCM	01/25/88					5.6*			
506.1	Port Hueneme/Wharf B	TCM	01/25/88								
506.1	Port Hueneme/Wharf B	TCM	12/18/88								
506.3	Port Hueneme/Entrance	TCM	01/25/88								
507.1	Mugu Lagoon/L Street	TCM	12/28/90					15.1**		163.9*	

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
421.8												
437.0												
460.0												
475.0			15.4*									
475.0			3.9*									
485.0			6.9*							0.9**		
506.1										0.7**		
506.1												
506.3			2.0*									
507.1			52.9**									

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
421.8											6418.7**
437.0								15.8*			
460.0											
475.0											
475.0											
485.0											
506.1								234.0*			
506.1								354.9*			
506.3								210.0*			
507.1										47.2*	

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90					3.1*			
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88			40.6**	7.4**	46.2**		594.6**	
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90			23.9*		5.7*		302.7**	
507.8	Revolon Slough	TFC	03/14/88			257.2**	84.0**	658.0**		3845.1#	
507.8	Revolon Slough	TFC	01/29/89			89.8**	77.8**	151.5*		2507.8#	2.5*
553.0	Marina Del Rey/Entrance	TCM	12/19/88			30.1*	2.1**				
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	0.8**		55.0**		0.7*			
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88			49.5**	1.2*				
555.0	Marina Del Rey/Basin G	TCM	01/25/88								
555.0	Marina Del Rey/Basin G	TCM	12/19/88			34.4*					

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
507.2			14.9*									
507.3		6.6*	51.4**	1.1*	6.5**				0.4*		0.6**	0.2**
507.3			64.4**									0.4**
507.8			294.0*							1.3**	28.7**	12.6**
507.8			1292.8**						2.7**	1.5**		
553.0												
554.0		6.5*			5.0**					0.4**	0.3*	
554.0		6.7*										
555.0											0.2*	
555.0			20.9*									

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.2										31.0*	
507.3										277.2**	
507.3										238.0**	
507.8								285.6**		3290.0**	
507.8										7474.0**	
553.0											
554.0											
554.0											
555.0											
555.0											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
555.2	Marina Del Rey/Basin D	TCM	01/25/88			43.6**					
556.0	Marina Del Rey/Basin E	TCM	01/25/88			65.6**					
556.0	Marina Del Rey/Basin E	TCM	12/19/88			39.7**					
601.0	LA Harbor/National Steel	TCM	12/28/87			23.1*				155.9*	
601.0	LA Harbor/National Steel	TCM	12/19/88								
601.0	LA Harbor/National Steel	RCM	12/22/89								
601.0	LA Harbor/National Steel	TCM	12/23/90								
601.0	La Harbor/National Steel	TCM	12/22/91				1.0*				
601.0	LA Harbor/National Steel	RBM	01/06/93				0.7**				
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
555.2		9.9*									0.8**	
556.0		16.8*									1.0**	
556.0											0.2*	
601.0											0.6**	
601.0												
601.0												
601.0												
601.0												
601.0												
602.5												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
555.2											
556.0											
556.0											
601.0								516.0**			
601.0								499.7**			
601.0								520.0**			
601.0								186.3*			
601.0											
601.0								150.0*			
602.5								187.0*			

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90								
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88							171.9*	
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91							130.5**	
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93				0.3*				
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87				1.4**				
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92				1.6**				
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93				0.6*				
617.6	Point Fermin	RCM	01/05/93				0.9**			123.6**	
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93							56.4*	
618.0	LA Harbor/Angels Gate	TCM	12/23/90							215.4*	

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
602.5												
605.0												
605.0												
605.0												
616.0												
616.0										0.3**		
616.0							0.2*					
617.6												
617.9												
618.0												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
602.5								183.4*			
605.0											
605.0								62.0**			
605.0											
616.0						32.0*					
616.0										260.0**	
616.0				0.5*						150.0*	
617.6								32.0*			
617.9								15.0*			
618.0											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
618.0	LA Harbor/Angels Gate	RCM	12/22/91							176.5**	
618.0	LA Harbor/Angels Gate	RCM	03/08/93	0.2**		4.5*				87.9*	
619.2	San Pedro Breakwater	RCM	03/08/93							110.6*	
650.0	Santa Monica	RCM	01/06/93			11.1**	5.1**			58.9*	
662.0	Royal Palms	RCM	12/28/87							33.2*	
662.0	Royal Palms	RCM	12/19/88							161.0**	
662.0	Royal Palms	RCM	12/22/89							104.0*	
662.0	Royal Palms	RCM	12/26/90							134.6**	
662.0	Royal Palms	RCM	11/25/91							157.8**	
662.0	Royal Palms	RCM	01/05/93							78.5*	

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
618.0												
618.0												
619.2												
650.0		4.1**								0.1**		
662.0												
662.0												
662.0												
662.0												
662.0												
662.0												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
618.0								80.0**			
618.0								45.0**		19.0**	
619.2								29.0*			
650.0				0.7**				140.0**			
662.0											
662.0								20.6*			
662.0								20.0*			
662.0								20.1*			
662.0								23.0*			
662.0								20.0*		20.0**	

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
664.0	Cabrillo Beach	RCM	12/22/91							97.3*	
664.2	Cabrillo Beach Buoy	RCM	01/05/93			4.5*				108.4*	
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87				2.0**				
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88				0.7*			153.8*	
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87								
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90								
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91					0.7*			
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	0.6**		30.7*					
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88			24.8*	1.1*				
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89			22.3*					

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
664.0												
664.2												
707.0			4.5*									
707.0												
708.0			14.8*						0.5*			
708.5		22.1**										
708.5												
710.2			7.2*			0.8*			1.8**	0.3**		
710.2			2.4*						0.7**			
710.2												0.3**

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
664.0								42.0**			
664.2								55.0**		27.0**	
707.0											
707.0											
708.0											
708.5											
708.5											
710.2											
710.2											
710.2											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87			25.5*	0.9*				
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89								
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91								
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87			25.7*	0.5*				
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88			41.9**	1.3*	1.0*	4.2**		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89			30.4*					
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91								
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93				2.6**				
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87			29.1*					
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88			36.4*	4.5**				

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
713.0			38.9*						0.6*		0.2*	
713.0												0.2**
713.0												
715.0			12.5*								0.2*	
715.0									0.6*			
715.0												
715.0												
715.0												
717.0											0.5*	
717.0									0.9**			0.2**

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
713.0											
713.0											
713.0				2.1*							
715.0											
715.0											
715.0											
715.0				1.1*							
715.0				1.1*						26.0*	
717.0											
717.0											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91								
719.1	Santa Ana River/Prado Dam	TFC	04/02/92								
719.1	Santa Ana River/Prado Dam	TFC	03/17/93								
720.5	Newport Bay/Offshore Ref	TCM	12/21/90								
721.0	Newport Bay/Entrance	TCM	12/21/87					0.7*			
721.0	Newport Bay/Entrance	TCM	12/20/88				0.8*	5.7*			
721.0	Newport Bay/Entrance	TCM	12/27/89								
723.0	Newport Bay/Bay Island	TCM	12/21/87			22.2*		1.8*			
723.0	Newport Bay/Bay Island	TCM	12/27/89					1.5*			
723.0	Newport Bay/Bay Island	TCM	12/22/91								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
717.0												
719.1						0.4**			1.0**			
719.1									1.9**	0.2*	0.7*	
720.5						0.7*						
721.0			59.7**									
721.0			1.8*						0.8**			
721.0												
723.0			33.0*						0.6*		0.2*	
723.0									0.6*			
723.0												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
717.0				1.4*				460.0**			
719.1				41.0*							
719.1											
720.5											
721.0											
721.0											
721.0				2.5**							
723.0											
723.0				11.9**							
723.0				2.8**							

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
723.4	Newport Bay/Turning Basin	TCM	12/21/87	0.1**		28.3*	1.1*	2.4*			
723.4	Newport Bay/Turning Basin	TCM	12/20/88					5.0*			
723.4	Newport Bay/Turning Basin	TCM	12/27/89								
723.4	Newport Bay/Turning Basin	TCM	12/21/90								
723.4	Newport Bay/Turning Basin	TCM	12/22/91								
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87			39.4**	2.4**	1.4*		168.7*	
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88			25.7*	2.0**	10.2**	6.6**	195.4*	
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89							176.0*	
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91							162.5*	
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93				9.1**				

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
723.4			37.1*						0.5*		0.2*	
723.4			2.2*						0.7**			
723.4												
723.4												
723.4												
724.0		7.7*	31.2*									
724.0			2.6*						0.9**			
724.0												
724.0												
724.0												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
723.4											
723.4											
723.4				7.4**							
723.4				1.2*							
723.4				1.1*							
724.0											
724.0											
724.0				12.0**							
724.0				2.3*							
724.0				1.8*						42.0*	

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
725.0	Newport Bay/Crows Nest	TCM	12/21/87								
725.0	Newport Bay/Crows Nest	TCM	12/20/88								
725.0	Newport Bay/Crows Nest	TCM	12/27/89								
725.0	Newport Bay/Crows Nest	TCM	12/21/90								
725.0	Newport Bay/Crows Nest	TCM	12/22/91				0.8*				
725.0	Newport Bay/Crows Nest	TCM	01/05/93				1.4**				
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88								
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88				1.2*	7.9**	3.6**		
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87			32.8*	3.8**	8.2**	5.8**	208.3*	
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88				1.1*	4.6*	3.2**		

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
725.0												
725.0												
725.0												
725.0												
725.0												
725.0												
726.0												
726.2			2.6*						0.6*			
726.4			22.1*		4.0**				1.6**			
726.4			20.4*		3.9**				0.5*			

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
725.0								360.0*			1911.9*
725.0								404.4*			
725.0				8.3**				410.0*			
725.0				1.2*				185.9*			
725.0				2.3*				460.0**			
725.0											
726.0						26.2*		273.6*			
726.2											
726.4											
726.4											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89				0.9*				
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91			22.9*				165.8*	
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93				1.2*				
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91						22.5*		
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88								
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90								
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91								
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93				42.0*				
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90								
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88								18.9**

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
726.4												
726.4												
726.4												
727.0												
728.4			218.8*									
728.4												
728.4												
728.4												
728.5												
728.6	217.0**		98.0*			0.3*			0.6*	0.4**		

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.4				6.2**				490.0**			
726.4				3.8**				630.0**			
726.4											
727.0				28.4*							
728.4											
728.4				261.8**							
728.4				60.0*							
728.4				62.0**							
728.5				314.4**							
728.6									0.7**		

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91								4.1*
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93				56.0*				
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88			63.0*					
735.0	Corona Del Mar	RCM	12/26/90								
735.0	Corona Del Mar	RCM	11/29/91				0.8**				
744.1	San Onofre 1	TCM	01/30/89								
744.1	San Onofre 1	TCM	09/27/90								
744.2	San Onofre 2	TCM	01/30/89								
744.2	San Onofre 2	TCM	11/22/89								
744.2	San Onofre 2	TCM	10/01/90								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
728.7	273.6**											
728.7												
728.8												
735.0												
735.0												
744.1						0.9*						
744.1						0.9*						
744.2						0.9*						
744.2						0.8*						
744.2						1.2**						

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
728.7											
728.7											
728.8											
735.0								32.7**			
735.0											
744.1											
744.1											
744.2											
744.2											
744.2										55.2*	

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
744.3	San Onofre 3	TCM	04/04/90								
744.3	San Onofre 3	TCM	09/27/90								
744.3	San Onofre 3	TCM	03/12/91								
744.4	San Onofre 4	TCM	01/30/89								
744.4	San Onofre 4	TCM	11/22/89								
744.5	San Onofre 5	TCM	01/30/89								
744.5	San Onofre 5	TCM	11/22/89								
744.5	San Onofre 5	TCM	10/01/90								
744.6	San Onofre 6	TCM	01/30/89								
744.6	San Onofre 6	TCM	09/27/90								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
744.3						0.7*						
744.3						1.1*						
744.3						3.8**						
744.4						1.1*						
744.4						0.8*						
744.5						1.1*						
744.5						0.7*						
744.5						1.5**						
744.6						1.0*						
744.6						1.3**						

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.3											
744.3											
744.3											
744.4											
744.4											
744.5											
744.5											
744.5											
744.6											
744.6											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
750.0	Oceanside	RCM	12/21/87								
750.0	Oceanside	RCM	12/20/88								
750.0	Oceanside	RCM	09/09/92								
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88								
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91								
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88								
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88								
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91								
893.0	San Diego Bay/Laurel Street	TCM	01/05/93				0.7*				
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
750.0			9.5**									
750.0			0.9*									
750.0									0.2*			
882.7												
882.8												
883.6												
886.2												
888.0												
893.0											0.3*	
894.0												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
750.0											
750.0											
750.0											
882.7								201.0*			
882.8								200.0*			
883.6								222.3*			
886.2								186.2*			
888.0								180.0*			
893.0											
894.0								1547.0**			

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88								
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89				4.3**				
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90								
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	1.9**							
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	0.2**							3.3**
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88								
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88								
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88								
894.8	Laurel Street Storm Drain	TCM	12/21/88								
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93				0.4*				

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
894.0												
894.0									0.9**			
894.0												
894.0										1.2**		
894.0												
894.1												
894.2												
894.3												
894.8												
895.6												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
894.0								2738.0**			
894.0								1220.0**			
894.0								855.4**			
894.0								800.0**			
894.0								770.0**			
894.1								456.0**			
894.2								957.0**			
894.3								1951.9**			
894.8								191.8*			
895.6											

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APPENDIX F (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Selected Criteria (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon	Total DDT	Di-chloro-benzophenone
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87								
898.0	Commercial Basin/Carlton Street	TCM	12/21/88								
898.0	Commercial Basin/Carlton Street	TCM	01/05/93								
899.2	San Diego Bay/Shelter Island	TCM	01/05/93				0.7*				
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87								

Station Number	Dicofol	Diel-drin	Total Endo-sulfan	Endrin	Ethion	alpha-HCH	beta-HCH	delta-HCH	Gamma-HCH	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene
897.5												
898.0												
898.0										0.2**		
899.2												
899.4												

Station Number	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	Penta-chloro-phenol	Tetra-chloro-phenol	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
897.5								374.0*			1643.5*
898.0								464.4**			
898.0								280.0*			
899.2											
899.4											6052.2**

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APPENDIX G

Summary of 1987-93 Data

Organic Chemicals Exceeding

Maximum Tissue Residue Levels (MTRLs) in

Ocean Waters

(ppb, wet weight)

APPENDIX G

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Ocean Waters

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Total PAHs	Total PCB	Toxa-phene
2.0	Crescent City/STP Outfall	RCM	02/12/88		3.9					
2.0	Crescent City/STP Outfall	RCM	02/17/89				2.1			
2.0	Crescent City/STP Outfall	RCM	02/23/90		2.8		0.7	25.0	3.2	
2.0	Crescent City/STP Outfall	RCM	02/27/90		0.3		0.9	10.0		
2.0	Crescent City/STP Outfall	RCM	03/12/92		5.1	10.0	1.0	4.8	7.1	
3.0	Crescent City/Control	RCM	02/12/88				0.5			
3.0	Crescent City/Control	RCM	02/17/89				0.7			
3.0	Crescent City/Control	RCM	02/23/90				0.5	14.0		
3.0	Crescent City/Control	RCM	02/27/90		0.3		0.7	4.1		
3.0	Crescent City/Control	RCM	03/12/92				0.7	10.5		
10.0	Trinidad Head	RCM	09/20/88				0.2			
10.0	Trinidad Head	RCM	09/28/89				0.3	20.0		
10.0	Trinidad Head	RCM	09/18/90		0.3		0.3	4.3		
10.0	Trinidad Head	RCM	10/08/91		1.6		0.5	5.8		
10.0	Trinidad Head	RCM	10/22/92		0.5		0.5	6.2		
202.0	Bodega Head	RCM	08/14/87		0.4		1.2			
202.0	Bodega Head	RCM	08/24/88				1.6			
202.0	Bodega Head	RCM	08/28/89				0.6			
202.0	Bodega Head	RCM	11/14/89		0.4		1.2	52.0		
202.0	Bodega Head	RCM	08/22/90		0.9		1.8	5.1		
202.0	Bodega Head	RCM	08/28/91		0.6		1.5	10.7		
202.0	Bodega Head	RCM	09/01/92				1.8	8.0		
207.0	Point Reyes	RCM	01/29/91		0.8		2.1	4.1		
280.0	Russian River/S Goat Rock	TCM	02/25/93		2.1		1.5		5.4	
336.0	J. Fitzgerald	RCM	01/30/91				0.4	5.1		
414.0	Pacific Grove	RCM	12/19/88				1.4			
414.0	Pacific Grove	RCM	01/09/89		1.9		1.1			
414.0	Pacific Grove	RCM	02/08/90		1.0		0.6			
414.0	Pacific Grove	RCM	02/14/91		0.4		0.3	7.3		
414.0	Pacific Grove	RCM	02/12/93		1.3		1.4	2.8		
426.5	Cayucos Pier	TCM	02/25/91					230.7		
430.0	Montana De Oro	RCM	04/03/90		0.9		1.0			
430.0	Montana De Oro	RCM	11/14/90					4.6		
430.0	Montana De Oro	RCM	02/25/91					6.5	4.3	
430.0	Montana De Oro	RCM	12/03/91					6.5		
430.0	Montana De Oro	RCM	02/25/92					16.8	7.5	

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APPENDIX G (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Ocean Waters

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Total PAHs	Total PCB	Toxa-phene
430.2	Montana De Oro 1	TCM	11/14/90					3.6		
430.2	Montana De Oro 1	TCM	12/04/91					2.4	3.6	
430.4	Montana De Oro 2	TCM	11/14/90					4.0		
434.0	Diablo Cove/South	RCM	02/26/91					4.7	3.6	
434.0	Diablo Cove/South	RCM	02/26/92					2.7	5.2	
435.0	Intake Cove	RCM	09/26/88						3.5	
435.0	Intake Cove	RCM	03/01/89						6.2	
435.0	Intake Cove	RCM	02/26/91					4.2	2.1	
435.0	Intake Cove	RCM	02/26/92					2.3	3.5	
436.0	Pecho Rock	RCM	10/05/87						10.0	
436.0	Pecho Rock	RCM	09/26/88						7.4	
436.0	Pecho Rock	RCM	03/01/89						2.7	
436.0	Pecho Rock	RCM	09/28/89						7.6	
436.0	Pecho Rock	RCM	03/06/90						3.6	
437.0	Point San Luis	RCM	03/05/90						3.1	
437.0	Point San Luis	RCM	09/03/90						15.8	
437.0	Point San Luis	RCM	02/25/91					4.9	3.8	
437.0	Point San Luis	RCM	02/26/92					7.1	12.0	
443.0	Diablo Cove/South/Transplant	TCM	03/06/90						2.9	
443.0	Diablo Cove/South/Transplant	TCM	02/26/91					6.7	2.7	
443.0	Diablo Cove/South/Transplant	TCM	02/26/92					96.6	6.0	
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91					4.5	2.7	
444.0	Intake Cove/Transplant	TCM	09/28/89						4.2	
444.0	Intake Cove/Transplant	TCM	03/06/90						3.0	
444.0	Intake Cove/Transplant	TCM	09/04/90						2.7	
444.0	Intake Cove/Transplant	TCM	02/26/91					518.0	4.3	
444.0	Intake Cove/Transplant	TCM	02/26/92					69.1		
450.0	Point Conception	RCM	01/04/91		0.4				1.3	
455.0	Gaviota	RCM	01/26/88		0.3					
455.0	Gaviota	TCM	03/21/89		0.9		0.6			
617.6	Point Fermin	RCM	01/05/93		3.1	123.6	0.4		32.0	
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93		2.0	56.4	0.6		15.0	
618.0	LA Harbor/Angels Gate	TCM	12/23/90		4.8	215.4			126.4	
618.0	LA Harbor/Angels Gate	RCM	12/22/91		3.0	176.5			80.0	
618.0	LA Harbor/Angels Gate	RCM	03/08/93	0.2	4.5	87.9	0.4		45.0	19.0
619.2	San Pedro Breakwater	RCM	03/08/93		3.0	110.6	0.8		29.0	
648.0	Malibu	RBM	12/26/90		1.4	16.7			8.1	
648.0	Malibu	RBM	01/06/93		4.4	29.7	0.5		17.0	

* RCM = Resident California Mussel TCM = Transplanted California Mussel RBM = Resident Bay Mussel

APPENDIX G (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Ocean Waters

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Total PAHs	Total PCB	Toxa-phene
650.0	Santa Monica	RBM	12/26/90		5.1	19.0	0.8		9.1	
650.0	Santa Monica	RCM	01/06/93		11.1	58.9	4.1		140.0	
662.0	Royal Palms	RCM	12/28/87		0.8	33.2	0.2		6.4	
662.0	Royal Palms	RCM	12/19/88		2.3	161.0	0.4		20.6	
662.0	Royal Palms	RCM	12/22/89		1.2	104.0	1.0		20.0	
662.0	Royal Palms	RCM	12/26/90		2.1	134.6	0.4		20.1	
662.0	Royal Palms	RCM	11/25/91		1.2	157.8	0.2		23.0	
662.0	Royal Palms	RCM	01/05/93		2.7	78.5	0.9		20.0	20.0
664.0	Cabrillo Beach	RCM	12/22/91		1.3	97.3			42.0	
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93		0.6		0.2			
735.0	Corona Del Mar	RCM	12/26/90		2.9	17.2	0.9		32.7	
735.0	Corona Del Mar	RCM	11/29/91		0.9	16.3	0.5		11.0	
744.1	San Onofre 1	TCM	01/30/89		1.6	12.4			3.1	
744.1	San Onofre 1	TCM	03/12/91		1.8	15.1		5.4	3.2	
744.1	San Onofre 1	TCM	10/24/91		1.2	16.2	0.7		7.7	
744.1	San Onofre 1	TCM	03/25/92		2.2	29.2	1.2		7.6	
744.2	San Onofre 2	TCM	01/30/89		1.3	12.6	0.5		2.2	
744.2	San Onofre 2	TCM	11/22/89		2.0	13.3	1.1		7.8	
744.2	San Onofre 2	TCM	10/01/90		0.6		0.3			55.2
744.2	San Onofre 2	TCM	03/12/91		2.0	16.2		5.2	3.6	
744.2	San Onofre 2	TCM	03/25/92		2.3	28.1	1.1	2.0	5.8	
744.3	San Onofre 3	TCM	11/22/89		0.5		0.3		3.6	
744.3	San Onofre 3	TCM	04/04/90		0.6	20.8	0.3		3.6	
744.3	San Onofre 3	TCM	09/27/90		1.0				2.3	
744.3	San Onofre 3	TCM	03/12/91		2.2	21.5		16.2	5.5	
744.3	San Onofre 3	TCM	03/25/92		2.2	30.6	1.0		5.7	
744.4	San Onofre 4	TCM	01/30/89		2.3	20.0	0.6		4.4	
744.4	San Onofre 4	TCM	11/22/89		0.4	12.1			7.0	
744.4	San Onofre 4	TCM	04/04/90		1.5	19.4	2.0		2.7	
744.4	San Onofre 4	TCM	03/12/91		1.2	9.8		5.3		
744.4	San Onofre 4	TCM	10/24/91		1.1	14.0	0.5		3.6	
744.4	San Onofre 4	TCM	03/25/92		2.9	29.5	1.1		9.3	
744.5	San Onofre 5	TCM	01/30/89		1.4	14.0			4.3	
744.5	San Onofre 5	TCM	11/22/89		0.4	15.8	1.0		7.9	
744.5	San Onofre 5	TCM	04/04/90		0.4	17.3	0.2		2.7	
744.5	San Onofre 5	TCM	10/01/90		0.6	9.5			2.5	
744.5	San Onofre 5	TCM	03/12/91		1.6	12.3		3.9	2.3	
744.5	San Onofre 5	TCM	03/25/92		2.8	32.9	1.2		11.0	

* RCM = Resident California Mussel TCM = Transplanted California Mussel RBM = Resident Bay Mussel

APPENDIX G (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Ocean Waters

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Total PAHs	Total PCB	Toxa-phene
744.6	San Onofre 6	TCM	01/30/89		1.7	10.5			2.1	
744.6	San Onofre 6	TCM	11/22/89		0.4	14.6	1.3			
744.6	San Onofre 6	TCM	04/04/90		1.2	17.7	0.5		2.3	
744.6	San Onofre 6	TCM	09/27/90		1.2	9.2			3.9	
744.6	San Onofre 6	TCM	03/12/91		1.8	19.5	0.3	6.3	4.1	
744.6	San Onofre 6	TCM	10/24/91		0.8	14.0	1.1		3.3	
744.6	San Onofre 6	TCM	03/25/92		1.8	23.5	1.0		6.4	
750.0	Oceanside	RCM	12/21/87		1.0		0.3			
750.0	Oceanside	RCM	12/20/88		2.1		0.8		9.0	
750.0	Oceanside	RCM	12/21/89		2.5		0.5		7.4	
750.0	Oceanside	RCM	12/22/90		1.7				10.3	
750.0	Oceanside	RCM	12/21/91				0.2		2.5	
750.0	Oceanside	RCM	09/09/92		1.5	12.0	0.4		8.2	
832.0	La Jolla	RCM	12/22/90		0.7					
832.0	La Jolla	RCM	11/26/91		0.5					
832.0	La Jolla	RCM	01/05/93		0.8		0.4		4.0	
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90		0.9					
904.0	Imperial Beach/Pier	RCM	12/22/90					957.8		

* RCM = Resident California Mussel TCM = Transplanted California Mussel RBM = Resident Bay Mussel

APPENDIX H

Summary of 1987-93 Data

Organic Chemicals Exceeding

Maximum Tissue Residue Levels (MTRLs) in

Enclosed Bays and Esturaries

(ppb, wet weight)

APPENDIX H

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
100.0	Mad River Slough	TCM	02/27/91								10.5	
100.0	Mad River Slough	TCM	02/25/92				0.7					
101.0	Samoa Bridge/West	TCM	02/27/91								29.4	
102.0	Samoa Bridge/East	TCM	02/17/89							4.8		
102.0	Samoa Bridge/East	TCM	02/27/91								20.6	
102.0	Samoa Bridge/East	TCM	02/25/92				0.7			4.8	73.4	
103.0	Eureka Channel	TCM	02/17/89							4.8		
103.0	Eureka Channel	TCM	02/27/91								34.6	
103.0	Eureka Channel	TCM	02/25/92							4.2		
103.0	Eureka Channel	TCM	02/17/93								44.7	
103.3	E Street	TCM	02/27/91							8.9	96.5	
103.3	E Street	TCM	02/25/92				0.8			25.0	42.5	
103.7	Eda Dock	TCM	02/27/91								53.4	
104.0	Eureka STP/Outfall	TCM	02/27/91								12.9	
104.0	Eureka STP/Outfall	TCM	02/25/92				0.7				31.0	
104.5	Eureka STP/Control	TCM	02/27/91								6.6	
104.5	Eureka STP/Control	TCM	02/25/92				0.7				9.0	
106.0	Fields Landing	TCM	02/27/91								22.2	
190.0	Estero Americano	RCM	12/05/88				0.9					
190.0	Estero Americano	RCM	02/06/90		1.4		1.3					
190.0	Estero Americano	RCM	01/29/91				0.9				7.9	
190.0	Estero Americano	RCM	03/05/92		1.6		1.7					
203.0	Tomales Bay	RBM	01/29/91								7.0	
203.0	Tomales Bay	RBM	12/30/91								18.3	
204.0	Estero De San Antonio	TCM	02/26/93				1.5			4.4		
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89							29.7		
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91							11.7	246.5	
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92				1.1			20.0	167.9	
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93				0.7			19.0		
298.4	Concord Naval/Seal Island	TCM	12/08/87							11.7		
302.0	Point Pinole	TCM	01/14/88		2.3		2.9			8.4		
302.0	Point Pinole	TCM	12/30/88		3.0		2.9			10.4		
302.0	Point Pinole	TCM	02/09/90		1.8		1.6			4.8		
302.0	Point Pinole	TCM	01/16/91		2.1					5.9	18.0	
302.0	Point Pinole	TCM	12/27/91		2.9		2.2			15.0	31.4	
302.0	Point Pinole	TCM	01/20/93		1.8		1.5			14.0	15.1	
302.4	Castro Cove Bridge	TCM	01/18/88	2.7	63.7	111.3	18.2			49.0	1793.0	
302.4	Castro Cove Bridge	TCM	12/29/88								3594.2	
302.4	Castro Cove Bridge	TCM	03/21/90								6313.0	
303.1	Santa Fe Channel/Mouth	TCM	03/22/91		4.2	47.0	7.7			175.6	377.4	
303.2	Lauritzen Canal/Mouth	TCM	01/14/88		16.0	628.7	87.0			120.0		

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
303.3	Lauritzen Canal/End	TCM	01/14/88	36.4	70.0	5073.6	602.0		5.5	196.0		196.0
303.3	Lauritzen Canal/End	TCM	03/22/91	3.6	15.6	1369.3	100.0			137.0	511.9	
303.4	Santa Fe Channel/End	TCM	03/22/91	0.7	8.1	368.8	32.5			137.8	320.5	
303.6	Richmond Inner Harbor Basin	TCM	01/14/88		4.2	39.4	8.6			102.4		
303.6	Richmond Inner Harbor Basin	TCM	12/29/88		2.3		5.2			120.6		
304.4	Serl Intake	TCM	03/22/91		5.3		3.9			52.6	56.4	
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91		2.3		1.4			9.9	22.9	
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91		2.6		2.0			50.0	55.5	
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93		2.8		1.9			32.0	194.4	
306.5	Alcatraz Island	TCM	01/05/89		3.0		1.9			33.8		
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88		2.9		2.0			29.9		
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88		3.7		1.6			36.2		
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90		3.4		1.6			22.0		
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91		3.5					22.5	38.6	
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91		3.0		2.3			52.0	124.5	
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93		3.1		2.1			60.0	505.2	
307.2	Alameda Yacht Harbor	TCM	01/14/88		14.2		4.2			38.4		
307.2	Alameda Yacht Harbor	TCM	12/30/88		8.6		7.1			133.1		
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88							156.0		
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88							117.0		
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91		3.1		1.2			23.0	114.9	
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91		7.2		3.1			82.0	244.6	
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93		6.6		2.9			110.0	92.2	
307.5	Lake Merritt	RBM	05/22/92		26.1	37.9	4.4			100.0	596.3	
307.5	Lake Merritt	RCM	03/16/93		10.8		2.4			100.0	375.3	
307.6	Oakland Back Harbor	TCM	01/14/88							66.0		
307.8	San Francisco Outfall	TCM	12/29/88		3.7		1.7			46.1		
307.9	San Francisco/Islais Channel	TCM	01/15/88		6.1		3.5			61.1		
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91		2.3		1.0			15.3	16.9	
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91		2.5		2.3			49.0	26.3	
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93		2.9		2.3			43.0	30.4	
308.2	Hunter's Point/Shipyard	TCM	01/15/88		5.2		3.9			273.0		
308.2	Hunter's Point/Shipyard	TCM	12/29/88		7.7		2.0			265.6		
309.0	San Mateo Bridge/88	TCM	01/16/91		1.9		1.6			7.2	15.8	
309.0	San Mateo Bridge/88	TCM	12/16/91		1.6		2.7			50.0	37.3	
309.0	San Mateo Bridge/88	TCM	02/01/93		3.8		3.1			48.0	31.0	12.0
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91		2.2					8.6	28.7	
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91		3.6		2.7			47.0	29.5	
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93		3.5		2.5			37.0	46.3	
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88		2.5		2.8			22.8		
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91		3.5		2.1			7.4	33.2	

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91		2.9		3.5			41.0	21.3	
323.3	Palo Alto Outfall	TCM	12/29/88		4.3		3.7			14.6		
323.3	Palo Alto Outfall	TCM	02/09/90		9.2		2.9			15.0		
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91		6.7		1.9			17.3	31.4	
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91		3.7		4.3			47.0	38.4	
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93		3.3		1.2			15.0	6.7	
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89		3.5	35.7	14.2			11.4		
402.1	Azevedo Pond	TCM	02/25/93		6.9	138.7	47.0	2.0		13.0		100.0
402.2	Parson's Slough	TCM	03/02/88		2.9		5.4			9.4		
402.2	Parson's Slough	TCM	01/04/89		2.3		3.9			5.7		
402.2	Parson's Slough	TCM	02/25/93		6.9	110.0	24.0			15.0		130.0
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89		2.4		5.1			5.3		
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93		3.1	59.1	20.0	2.2		7.2		74.0
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88				2.0					
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89		2.8		2.5			4.8		
403.2	Moro Cojo	TCM	01/04/89		8.4	64.9	20.9	1.1		12.0		
403.6	Moro Cojo Slough	TCM	02/02/88		2.8	39.2	4.9			10.0		
404.0	Sandholdt Bridge	RBM	11/05/87		3.7	74.9	2.8			16.8		
404.0	Sandholdt Bridge	RBM	02/02/88		7.8	136.1	3.6			43.4		
404.0	Sandholdt Bridge	RBM	04/07/88		1.9	51.8	4.4			22.8		
404.0	Sandholdt Bridge	RBM	12/08/88		5.9	175.6	5.6			31.5		
404.0	Sandholdt Bridge	TCM	01/04/89		5.1	168.3	11.5			42.2		26.9
404.0	Sandholdt Bridge	TCM	02/19/90		5.5	236.7	15.0			39.0		140.0
404.0	Sandholdt Bridge	TCM	02/04/91		3.8	51.7	2.0			13.3	168.5	
404.0	Sandholdt Bridge	TCM	01/28/92		3.2	217.8	30.0			32.0	154.5	83.0
404.0	Sandholdt Bridge	TCM	02/01/93		14.8	393.3	47.0			38.0	116.5	350.0
421.7	Monterey Harbor/Marina	TCM	01/22/88		9.6		3.4			115.2		104.4
445.0	San Luis Harbor/Transplant	TCM	09/25/87							6.4		
445.0	San Luis Harbor/Transplant	TCM	03/15/88							19.0		
445.0	San Luis Harbor/Transplant	TCM	03/01/89							24.8		
445.0	San Luis Harbor/Transplant	TCM	09/28/89							8.7		
445.0	San Luis Harbor/Transplant	TCM	03/06/90							36.0		
445.0	San Luis Harbor/Transplant	TCM	02/25/91							21.0	1061.6	
445.0	San Luis Harbor/Transplant	TCM	09/09/91							14.0		
445.0	San Luis Harbor/Transplant	TCM	02/25/92							110.0	1879.6	
460.0	Goleta Slough 1	TCM	12/18/88		12.9		1.3			4.1		
475.0	Carpinteria Marsh	TCM	01/26/88		2.9		1.0					
475.0	Carpinteria Marsh	TCM	12/18/88		6.2	35.3	2.0			5.3		
485.0	Ventura Marina	TCM	01/25/88		14.1	104.1	1.4			49.4		
506.1	Port Hueneme/Wharf B	TCM	01/25/88		6.4	93.9	0.9			234.0	2530.0	
506.1	Port Hueneme/Wharf B	TCM	12/18/88							354.9		

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
506.2	Port Hueneme/Wharf 1	TCM	01/25/88		4.1	37.9				69.6	1161.0	
506.2	Port Hueneme/Wharf 1	TCM	12/18/88							176.7		
506.3	Port Hueneme/Entrance	TCM	01/25/88		5.4	48.9	0.9			210.0	987.0	
507.1	Mugu Lagoon/L Street	TCM	12/28/90		13.0	163.9	1.6			14.6		47.2
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90		8.0	145.9	1.5			18.9		31.0
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88		40.6	594.6	6.6			70.8		277.0
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90		23.9	302.7	4.3			9.0		238.0
553.0	Marina Del Rey/Entrance	TCM	12/19/88		30.1	52.4	2.7			51.3		
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	0.8	55.0	66.0	6.5			104.4		
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88		49.5	88.5	6.7			162.0		
555.0	Marina Del Rey/Basin G	TCM	01/25/88		23.5		4.8			29.0		
555.0	Marina Del Rey/Basin G	TCM	12/19/88		34.4	76.5	5.7			141.9		
555.2	Marina Del Rey/Basin D	TCM	01/25/88		43.6	39.3	9.9	0.8		74.8		
556.0	Marina Del Rey/Basin E	TCM	01/25/88		65.6	84.1	16.8	1.0		96.6		
556.0	Marina Del Rey/Basin E	TCM	12/19/88		39.7	88.6				175.0		
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88		15.3					38.5		
559.0	King Harbor	TCM	12/28/87		6.3	40.7	1.7			40.8		
601.0	LA Harbor/National Steel	TCM	12/28/87		23.1	155.9	3.0			516.0	332.0	
601.0	LA Harbor/National Steel	TCM	12/19/88							499.7		
601.0	LA Harbor/National Steel	RCM	12/22/89							520.0		
601.0	LA Harbor/National Steel	TCM	12/23/90		10.9	92.4	1.3			186.3		
601.0	La Harbor/National Steel	TCM	12/22/91		12.6	109.6	1.7			150.0		
601.0	LA Harbor/National Steel	RBM	01/06/93		8.8	89.8				150.0		55.0
602.0	LA Harbor/West Basin	TCM	12/28/87		8.5	46.7	1.1			130.0		
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87							187.0		
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88							130.9		
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89							143.0		
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90		7.0	103.1	1.0			183.4		
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87							155.8		
603.0	LA Harbor/Berth 151	TCM	12/28/87		9.0	139.6	2.6			35.1	706.0	
603.0	LA Harbor/Berth 151	TCM	12/19/88							178.8	461.9	
603.6	LA Harbor/Slip 240	TCM	12/28/87							71.4		
603.8	LA Harbor/West Channel	TCM	12/28/87							14.3		
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88		4.9	171.9	1.3			73.9		
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91		1.8	130.5				62.0		
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93		3.5	87.9				49.0		15.0
606.2	LA Harbor/Fish Harbor	TCM	12/28/87							62.4		
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87							80.6		
609.0	LB Harbor/Tide Gauge	TCM	12/28/87		8.7	66.7	1.1			32.4		
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87		9.9	36.4	0.9			55.0		
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88		16.4	95.7	1.2			136.4	142.6	

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89		7.6		0.9			67.0		
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90		9.3	48.9				80.9		
616.0	La Harbor/Consolidated Slip	TCM	12/22/91		14.1	72.3	1.4			100.0		
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92		20.7	132.7	1.7			120.0		260.0
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93		10.3	81.8				61.0		150.0
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90		5.9	82.3				75.7		
621.0	LA Harbor/Berth 120	TCM	12/23/90		5.0	97.7				108.2	354.9	
664.2	Cabrillo Beach Buoy	RCM	01/05/93		4.5	108.4				55.0		27.0
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87		21.8	103.5				39.6		
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88		15.8	153.8	2.4			72.8		
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89		13.3	57.5	1.7			43.0		
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90		9.5	66.1	1.7			29.5		
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91		8.8	103.6	1.8			53.0		
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87		15.3	60.7	2.2			38.0		
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89		12.9	97.8	1.6			71.0		
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90		4.9					10.8		
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91		9.9	103.5	1.8			51.0		
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90		7.6	48.5	22.1			17.4		
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91		7.5	80.8	0.9			40.0		
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	0.6	30.7	140.8	3.6			68.4		
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88		24.8	135.2	3.0			67.2		
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89		22.3	115.6	1.9			81.0		
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87		25.5	46.7	3.2			63.6		
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89		21.3	78.2	2.2			57.0		
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90		6.0		1.5			9.3		
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91		12.0	68.6	1.9			52.0		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87		25.7	38.9	3.2			77.0		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88		41.9	115.0	5.5			71.3		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89		30.4	74.6	3.5			59.0		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90		10.7		1.9			9.2		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91		14.3	51.3	2.0			44.0		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93		16.1	54.2	2.4			49.0	53.0	26.0
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87		29.1		3.8			58.0		
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88		23.4	81.2	5.2			52.9		
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91		16.3	135.9	4.6			460.0		
720.5	Newport Bay/Offshore Ref	TCM	12/21/90		3.5					22.0		
721.0	Newport Bay/Entrance	TCM	12/21/87		10.8	46.5	1.3			41.6		
721.0	Newport Bay/Entrance	TCM	12/20/88		10.6	79.9	2.2			29.3		
721.0	Newport Bay/Entrance	TCM	12/27/89		9.5	48.2	1.4			26.0		
721.0	Newport Bay/Entrance	TCM	12/21/90		2.7					6.0		
723.0	Newport Bay/Bay Island	TCM	12/21/87		22.2	143.4	2.7			84.8		

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries

(ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
723.0	Newport Bay/Bay Island	TCM	12/27/89		16.7	134.0	3.2			65.0		
723.0	Newport Bay/Bay Island	TCM	12/21/90		4.7		0.8			7.3		
723.0	Newport Bay/Bay Island	TCM	12/22/91		14.8	141.1	2.3			66.0		
723.4	Newport Bay/Turning Basin	TCM	12/21/87		28.3	80.5	3.7			73.2		
723.4	Newport Bay/Turning Basin	TCM	12/20/88		13.5	47.9	3.3			30.5		
723.4	Newport Bay/Turning Basin	TCM	12/27/89		15.8	65.0	1.5			58.0		
723.4	Newport Bay/Turning Basin	TCM	12/21/90		10.7	33.4	1.9			33.6		
723.4	Newport Bay/Turning Basin	TCM	12/22/91		10.2	57.2	1.8			58.0		
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87		39.4	168.7	7.7			48.0		
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88		25.7	195.4	5.4			52.8		
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89		18.6	176.0	3.2			48.0		
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90		17.3	44.5	1.7			15.8		
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91		15.8	162.5	2.4			70.0		
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93		11.6	80.7	2.7			24.0	24.3	42.0
725.0	Newport Bay/Crows Nest	TCM	12/21/87							360.0		
725.0	Newport Bay/Crows Nest	TCM	12/20/88							404.4		
725.0	Newport Bay/Crows Nest	TCM	12/27/89		18.7	83.0	3.9			410.0		
725.0	Newport Bay/Crows Nest	TCM	12/21/90		9.4	39.5	2.5			185.9		
725.0	Newport Bay/Crows Nest	TCM	12/22/91		16.2	139.8	4.8			460.0		
725.0	Newport Bay/Crows Nest	TCM	01/05/93		10.4	53.0	4.1			160.0	12.1	
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87							96.0		
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88							273.6		
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88		14.0	75.5	3.3			21.6		
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87		32.8	208.3	4.7			52.0		
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88		11.7	70.6	3.9			8.9		
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89		13.8	80.5	3.0			490.0		
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90		12.5	39.2	2.0			158.6		
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91		22.9	165.8	5.2			630.0		
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93		13.9	47.3	1.8			40.0	80.4	
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91		2.3					19.0		
748.0	Oceanside/Harbor	TCM	12/21/91		1.5					43.0		
865.0	Mission Bay/Hilton Docks	TCM	12/21/89		4.8		1.5			2.4		
866.0	Fisherman Channel	TCM	12/22/90		1.8					9.9		
868.5	Mission Bay/Landfill 1	TCM	12/21/89		2.3		0.7			13.0		
868.5	Mission Bay/Landfill 1	TCM	12/22/90		2.9					18.0		
868.5	Mission Bay/Landfill 1	TCM	12/21/91		3.1		1.1			40.0		
868.6	Mission Bay/Landfill 2	TCM	12/21/91		3.5		1.1			39.0		
881.3	Sweetwater River/Mouth 1	TCM	01/15/91		3.0					34.0		
881.3	Sweetwater River/Mouth 1	TCM	12/21/91		3.4					40.0		
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87								486.4	
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87		4.1					88.8		

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX H (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Substances Exceeding Maximum Tissue Residue Levels (MTRLs) in Enclosed Bays and Estuaries (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Total Chlor-dane	Total DDT	Dieldrin	Hepta-chlor Epoxide	alpha-HCH	Total PCB	Total PAH	Toxa-phene
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88		5.1					201.0		
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93		4.8		0.8			59.0	470.1	
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88							146.3		
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91		5.9		1.0			140.0	2709.2	
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91		5.4		0.9			200.0	1944.1	
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88							138.6		
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88		10.1					113.2		
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93		3.8					88.0	491.1	
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87							124.8	1790.0	
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88							222.3	4139.5	
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93		3.6					66.0		
885.2	San Diego Bay/32nd Street	TCM	12/21/88		2.9					100.6		
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88							123.2		
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88							186.2		
887.0	San Diego Bay/Evans Street	TCM	12/22/90		3.7					43.3	1428.7	
887.0	San Diego Bay/Evans Street	TCM	12/21/91		4.7					100.0	2046.0	
887.0	San Diego Bay/Evans Street	TCM	01/05/93		4.8					110.0	1199.2	
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91		11.4					180.0	3745.4	
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93		3.8		1.3			54.0		
893.0	San Diego Bay/Laurel Street	TCM	01/05/93		8.6		1.1			150.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87							1547.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88							2738.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89		13.8	53.8				1220.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90		4.9					855.4		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	1.9	4.8	36.5				800.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93		6.9		1.2			770.0		
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88							456.0		
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88							957.0		
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88							1951.9		
894.8	Laurel Street Storm Drain	TCM	12/21/88							191.8		
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93		3.5					64.0		
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87							374.0	583.0	
898.0	Commercial Basin/Carlton Street	TCM	12/21/88							464.4		
898.0	Commercial Basin/Carlton Street	TCM	01/05/93		9.9		1.4			280.0		
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91		5.2		1.5			99.0	231.1	
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93		2.1		0.8			46.0		
899.2	San Diego Bay/Shelter Island	TCM	01/05/93		8.8		1.8			160.0	114.7	
901.0	San Diego Bay/Degausing Station	TCM	12/21/91		2.3		0.9			67.0	1492.4	

* RBM = Resident Bay Mussel RCM = Resident California Mussel TCM = Transplanted California Mussel

APPENDIX I

Summary of 1987-93 Data

Trace Elements and Organic Chemicals Exceeding

Maximum Tissue Residue Levels (MTRLs) in

Inland Surface Waters

(ppb, wet weight)

APPENDIX I

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements and Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Inland Surface Waters (wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (ppm)	Cadmium (ppm)	Aldrin (ppb)	Total Chlor-dane (ppb)	Total DDT (ppb)	Total Endo-sulfan (ppb)	Dieldrin (ppb)	Hepta-chlor Epoxide (ppb)	Hexa-chloro-benzene (ppb)	gamma-HCH (ppb)	Total PCB (ppb)	Total PAH (ppb)	Toxa-phene (ppb)
155.1	Lake Pillsbury 1	TFC	03/31/93				1.6							12.0		
155.3	Lake Pillsbury 2	TFC	03/31/93				1.9							12.0		
159.0	Russian River West Fork	TFC	03/20/90	0.85												
159.0	Russian River West Fork	TFC	03/06/92	0.80			1.6							33.0	8.1	
159.0	Russian River West Fork	TFC	03/30/93				1.5							12.0		
160.0	Lake Mendocino	RFC	11/30/89	2.19											22.0	
165.0	Russian River Below Ukiah	TFC	03/20/90	0.90			6.3							17.1		
165.0	Russian River Below Ukiah	TFC	03/06/92	0.50			3.0							13.0	10.7	
165.0	Russian River Below Ukiah	TFC	03/30/93				5.5							23.0		
175.0	Big Sulfur Creek	TFC	03/21/90		0.70											
175.0	Big Sulfur Creek	TFC	01/29/91		1.00											
175.0	Big Sulfur Creek	TFC	03/30/93				1.9							13.0	15.9	
176.0	Lake Sonoma	TFC	03/30/93				1.5							12.0		
290.0	Russian River/near Moscow	TFC	02/08/88		1.82											
290.0	Russian River/near Moscow	TFC	03/30/93				2.5							13.0	14.8	
294.1	Mark West Creek/Slusser Road	TFC	04/07/92	0.40												
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	0.50			4.6							6.3		
294.5	Green Valley Creek 1	TFC	03/30/93				2.6							19.0		
294.6	Green Valley Creek 2	TFC	03/30/93				3.8	85.0		1.0				19.0		
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	0.52	0.97		16.0							9.0		
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	0.80			19.4			0.7				11.0	120.0	
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	0.90			13.8							10.1	70.7	
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	0.48			6.2							4.2		
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	0.89			9.0							9.3		
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	0.90			4.5							7.1	57.9	
295.2	Laguna De Santa Rosa/Stony Point	TFC	04/07/92	0.80												
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	0.58	1.03		5.9							5.9		
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	0.78			1.8							8.2		
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	0.60										9.3		
295.4	Russian River/Wholer Bridge	TFC	12/05/88	0.63	0.91									5.0		
295.4	Russian River/Wholer Bridge	TFC	03/20/90	0.89			12.5							11.0		
295.4	Russian River/Wholer Bridge	TFC	01/30/91	0.70			8.7							3.1	29.4	
295.4	Russian River/Wholer Bridge	TFC	04/07/92	0.40			14.8			1.3				12.0	22.3	
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	0.58	0.83									2.5		
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	1.03			6.8							14.0		
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	0.60			1.6			0.8				18.0		
297.0	Putah Creek	RFC	12/05/89					131.9		1.4				9.9	26.0	
298.0	Brannan Island	RFC	12/29/87				3.8			0.8				10.2		
298.0	Brannan Island	RFC	12/29/88				5.6							61.4		
399.7	San Lorenzo River/Felton	TFC	02/16/91				11.4							9.8	58.5	

* TFC = Transplanted Fresh Water Clam RFC = Resident Fresh Water Clam

APPENDIX I (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements and Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Inland Surface Waters (wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (ppm)	Cadmium (ppm)	Aldrin (ppb)	Total Chlor-dane (ppb)	Total DDT (ppb)	Total Endo-sulfan (ppb)	Dieldrin (ppb)	Hepta-chlor Epoxide (ppb)	Hexa-chloro-benzene (ppb)	gamma-HCH (ppb)	Total PCB (ppb)	Total PAH (ppb)	Toxa-phene (ppb)
400.8	Aptos Creek	TFC	01/31/90	0.95			6.3							16.8		
400.8	Aptos Creek	TFC	10/25/90	0.80			1.6							8.0		
400.8	Aptos Creek	RFC	11/14/90	1.20										8.2	5.9	
400.8	Aptos Creek	RFC	11/26/90											6.3		
400.8	Aptos Creek	TFC	12/19/91	0.70			1.5									
401.5	Watsonville Slough/Bridge	TFC	02/02/88			1.0	31.4	359.8		75.0	3.0			13.0		460.0
401.5	Watsonville Slough/Bridge	TFC	03/10/93			1.0	49.4	1058.1		170.0	2.6			27.0		1500.0
401.6	Harkins Slough Bridge	TFC	02/02/88				12.6	40.3		2.3	1.0					
401.8	San Andreas Road	TFC	02/03/88			0.7	21.4	437.0		126.0	2.0			16.2		279.0
401.9	Pajaro River Estuary	TFC	03/10/93				9.8	156.4		14.0				15.0		280.0
405.2	Old Salinas River 2	TFC	03/16/92		1.20											
405.2	Old Salinas River 2	TFC	03/10/93				2.5			3.0				15.0		51.0
405.3	Old Salinas River 1	TFC	03/16/92				4.2	520.8		53.0				29.0		260.0
405.3	Old Salinas River 1	TFC	03/10/93			0.6	27.0	450.6		70.0	0.8			51.0		540.0
405.6	Salinas River Lag 1	TFC	03/10/93				3.1	38.0		5.2				20.0		50.0
405.7	Salinas River Lag 2	TFC	03/16/92			0.4	19.3	1068.1		89.0				59.0		250.0
406.0	Westley Station	RFC	01/04/89							1.1				4.2		
406.5	Tembladero Slough	TFC	03/10/93			0.8	22.4	397.8		68.0	1.4			48.0		660.0
407.4	Blanco Pump/West	TFC	03/10/93			0.6	19.9	718.0		150.0				44.0		770.0
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88				30.6	999.2		192.0	6.1			96.0		2480.0
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88			1.4	143.2	2556.9		396.0				82.8		3510.0
425.4	Lake San Antonio/Buoy	TFC	12/08/87		1.43					1.0						
425.6	Lake San Antonio	RFC	10/28/87		1.66					0.8						
425.6	Lake San Antonio	RFC	09/14/88	0.61	0.94											
425.6	Lake San Antonio	RFC	08/15/89		2.48											
425.6	Lake San Antonio	TFC	05/25/92	0.50	0.90		1.2							18.0	38.0	
446.0	San Luis Obispo Creek 1	TFC	02/26/91				17.5							14.1		
480.0	Lake Isabella	RFC	02/09/93	1.90			1.9							13.0	15.9	
507.8	Revolon Slough	TFC	03/14/88				257.2	3845.1	294.0	33.6	28.7	12.6		285.6		3290.0
507.8	Revolon Slough	TFC	01/29/89				89.8	2507.8	1292.8	13.1			2.7	44.4		7474.0
507.8	Revolon Slough	TFC	03/11/91				113.0	983.6		4.4						2822.0
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	0.70			12.6	74.0		5.7				64.0		
719.1	Santa Ana River/Prado Dam	TFC	03/17/93				9.4	69.9		5.1				49.0	191.7	
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91				13.3			5.3				29.4		
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93				18.9	95.8		4.4				61.0	210.2	
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88		1.03											
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88		0.80		10.1	185.0		3.1				23.0	30.6	
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90				21.4	141.0		2.4				43.0		120.0
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91		8.40		15.5	88.2		1.6				22.5		
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93				11.1	76.0		2.8				27.0	72.9	110.0

* TFC = Transplanted Fresh Water Clam RFC = Resident Fresh Water Clam

APPENDIX I (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements and Organic Chemicals Exceeding Maximum Tissue Residue Levels (MTRLs) in Inland Surface Waters

(wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (ppm)	Cadmium (ppm)	Aldrin (ppb)	Total Chlor-dane (ppb)	Total DDT (ppb)	Total Endo-sulfan (ppb)	Dieldrin (ppb)	Hepta-chlor Epoxide (ppb)	Hexa-chloro-benzene (ppb)	gamma-HCH (ppb)	Total PCB (ppb)	Total PAH (ppb)	Toxa-phene (ppb)
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90				25.9	122.7		1.4				34.0		100.0
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88		0.89		33.8	327.3		2.9				10.5		217.0
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91				12.1	60.3		1.0				9.4		
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93				11.5	93.1		3.8				21.0	164.1	140.0
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88		1.27		63.0	242.3		2.9						
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90				10.0	39.7						13.9		38.0

* TFC = Transplanted Fresh Water Clam RFC = Resident Fresh Water Clam

APPENDIX J

Summary of 1987-93 Data

Trace Elements Exceeding the

Median International Standards (MIS)

(ppm, wet weight)

APPENDIX J

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
2.0	Crescent City/STP Outfall	RCM	02/12/88			1.0				
2.0	Crescent City/STP Outfall	RCM	02/27/90			4.2				
3.0	Crescent City/Control	RCM	02/27/90		1.1	9.1				
10.0	Trinidad Head	RCM	09/08/87		1.3					
10.0	Trinidad Head	RCM	09/20/88		1.1					
10.0	Trinidad Head	RCM	09/28/89		1.3					
10.0	Trinidad Head	RCM	09/18/90	1.6	1.1					
10.0	Trinidad Head	RCM	10/08/91		1.5				0.44	
10.0	Trinidad Head	RCM	10/22/92		1.5					
101.0	Samoa Bridge/West	TCM	02/27/91			6.8				
103.0	Eureka Channel	TCM	02/17/93			2.2				
103.3	E Street	TCM	02/25/92		1.1					
103.7	Eda Dock	TCM	02/25/92		1.0					
104.0	Eureka STP/Outfall	TCM	02/11/88			1.1				
104.0	Eureka STP/Outfall	TCM	02/27/91		1.0	9.6				
104.5	Eureka STP/Control	TCM	02/27/91			5.9				
104.5	Eureka STP/Control	TCM	02/17/93			1.5				
106.0	Fields Landing	TCM	02/25/92		1.1					
155.1	Lake Pillsbury 1	TFC	03/31/93			2.3				
155.3	Lake Pillsbury 2	TFC	03/31/93			1.1				
159.0	Russian River West Fork	TFC	03/20/90			3.1			0.39	
159.0	Russian River West Fork	TFC	01/29/91			1.2				
159.0	Russian River West Fork	TFC	03/06/92			2.0			0.45	
159.0	Russian River West Fork	TFC	03/30/93			2.1				
160.0	Lake Mendocino	RFC	11/30/89	2.2					0.33	
165.0	Russian River Below Ukiah	TFC	03/20/90			1.8			0.37	
165.0	Russian River Below Ukiah	TFC	03/06/92			1.7				
175.0	Big Sulfur Creek	TFC	03/21/90			4.8	24.3			
175.0	Big Sulfur Creek	TFC	01/29/91		1.0	7.3	42.0			79.0
176.0	Lake Sonoma	TFC	03/30/93			2.2				
190.0	Estero Americano	RCM	12/05/88		2.2					
190.0	Estero Americano	RCM	02/06/90	1.7	1.5				0.40	
190.0	Estero Americano	RCM	01/29/91	1.4	2.6					
190.0	Estero Americano	RCM	03/05/92		1.4				0.51	
202.0	Bodega Head	RCM	08/14/87		1.4				0.47	
202.0	Bodega Head	RCM	08/24/88	2.0	1.9				0.50	
202.0	Bodega Head	RCM	08/28/89	1.8	1.8				0.36	
202.0	Bodega Head	RCM	11/14/89	2.2	1.3				0.45	
202.0	Bodega Head	RCM	08/22/90	1.4	1.8					
202.0	Bodega Head	RCM	08/28/91		1.9				0.37	

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel

TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam

( ) Median International Standard in Parentheses.

APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
202.0	Bodega Head	RCM	09/01/92	2.5	2.0				0.35	
203.0	Tomales Bay	RBM	01/29/91						0.36	
203.0	Tomales Bay	RBM	12/30/91						0.59	
204.0	Estero De San Antonio	TCM	02/26/93		1.1	2.5				
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91		1.3					
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92		1.6				0.55	
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93		1.3	1.1				
207.0	Point Reyes	RCM	01/29/91		2.6					
280.0	Russian River/S Goat Rock	RCM	12/29/87		1.2					
280.0	Russian River/S Goat Rock	RCM	12/05/88		2.3					
280.0	Russian River/S Goat Rock	TCM	02/25/93			2.2				
290.0	Russian River/near Moscow	TFC	02/08/88		1.8	5.4				
290.0	Russian River/near Moscow	TFC	03/30/93			1.6				
294.1	Mark West Creek/Slusser Road	TFC	04/07/92						0.34	
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92						0.30	
294.5	Green Valley Creek 1	TFC	03/30/93			2.3				
294.6	Green Valley Creek 2	TFC	03/30/93			2.0				
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88						0.36	
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90			1.1				
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88						0.30	
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90			1.2			0.38	
295.2	Laguna De Santa Rosa/Stony Point	TFC	04/07/92			1.5			0.41	
295.3	Mark West Creek/Whloer Road	TFC	12/05/88		1.0				0.46	
295.3	Mark West Creek/Wholer Road	TFC	03/20/90			1.4				
295.3	Mark West Creek/Wholer Road	TFC	04/07/92			1.7			0.32	
295.4	Russian River/Whloer Bridge	TFC	12/05/88						0.36	
295.4	Russian River/Wholer Bridge	TFC	03/20/90			1.3			0.35	
295.4	Russian River/Wholer Bridge	TFC	04/07/92						0.36	
295.5	Russian River/Hacienda Bridge	TFC	12/05/88						0.48	
295.5	Russian River/Hacienda Bridge	TFC	03/20/90			1.6			0.41	
295.5	Russian River/Hacienda Bridge	TFC	04/07/92			1.1			0.32	
298.0	Brannan Island	RFC	12/29/87			1.2			0.36	
298.0	Brannan Island	RFC	12/29/88			1.6			0.50	
299.1	Selby Slag 4	TCM	01/14/88		1.8					
299.4	Selby Slag 7	TCM	01/14/88		1.0					
300.2	Mare Island	TCM	01/14/88						0.35	
300.2	Mare Island	TCM	12/30/88						0.38	
301.4	Union Oil Outfall	TCM	01/28/88		1.2				1.93	
301.4	Union Oil Outfall	TCM	12/30/88		1.4				3.10	
302.0	Point Pinole	TCM	01/14/88		1.3				0.41	

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( ) Median International Standard in Parentheses.

APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
302.0	Point Pinole	TCM	12/30/88		1.2				0.54	
302.0	Point Pinole	TCM	02/09/90		1.6					
302.0	Point Pinole	TCM	01/16/91		1.4				0.37	
302.0	Point Pinole	TCM	12/27/91		1.3				0.56	
302.0	Point Pinole	TCM	01/20/93		2.0				0.50	
302.4	Castro Cove Bridge	TCM	01/18/88		1.0				0.56	
302.4	Castro Cove Bridge	TCM	12/29/88		1.1				0.78	
303.1	Santa Fe Channel/Mouth	TCM	03/22/91		1.4	4.7			0.33	
303.3	Lauritzen Canal/End	TCM	03/22/91		1.8	1.3				
303.4	Santa Fe Channel/End	TCM	03/22/91		1.0				0.30	
303.6	Richmond Inner Harbor Basin	TCM	01/14/88		1.0					
304.4	Serl Intake	TCM	03/22/91		1.2	4.7			0.47	
304.6	Point Isabel	TCM	01/14/88		1.1					
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91		1.1				0.53	
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91		1.4				0.90	
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	1.5					0.82	
306.5	Alcatraz Island	TCM	01/05/89		1.1					
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88		1.3				0.86	
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88						0.98	
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90		1.3					
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	1.6	1.4				0.61	
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91		1.3				0.76	
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	1.4	1.7				0.73	
307.2	Alameda Yacht Harbor	TCM	01/14/88		1.8					
307.2	Alameda Yacht Harbor	TCM	12/30/88		1.2					
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88		1.7			4.1		
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88		1.1					
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91		1.5					
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91		1.6					
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	1.5	1.8				0.38	
307.5	Lake Merritt	RCM	03/16/93					2.0		
307.6	Oakland Back Harbor	TCM	01/14/88		1.3					
307.8	San Francisco Outfall	TCM	12/29/88		1.2					
307.9	San Francisco/Islais Channel	TCM	01/15/88		1.0					
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	1.4	1.2				0.37	
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91		1.3				0.56	
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93		1.6					
308.2	Hunter's Point/Shipyard	TCM	01/15/88		1.0					
308.2	Hunter's Point/Shipyard	TCM	12/29/88		1.2					
309.0	San Mateo Bridge/8B	TCM	02/09/90		1.3					

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
309.0	San Mateo Bridge/8B	TCM	01/16/91		1.5					
309.0	San Mateo Bridge/8B	TCM	12/16/91		1.4				0.47	
309.0	San Mateo Bridge/8B	TCM	02/01/93		1.8					
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91		1.4	1.8				
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91		1.4				0.42	
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93		1.5					
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/15/88		1.3					
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88		1.2					
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91		1.5					
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91		1.5				0.42	
323.3	Palo Alto Outfall	TCM	12/29/88		1.3					
323.3	Palo Alto Outfall	TCM	02/09/90		1.1					
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91		1.3				0.37	
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91		1.3				0.39	
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93		1.3				1.20	
336.0	J. Fitzgerald	RCM	01/30/91	1.6	1.4					
399.7	San Lorenzo River/Felton	TFC	02/16/91			2.6				
400.2	Younger Lagoon	TCM	02/25/93		1.6					
400.8	Aptos Creek	TFC	01/31/90			1.1			0.38	
400.8	Aptos Creek	TFC	12/19/91			3.2				
401.1	Santa Cruz/T Dock	TCM	02/08/89		1.7		23.7			94.8
402.1	Azevedo Pond	TCM	02/25/93		1.7	3.2				
402.2	Parson's Slough	TCM	02/25/93		1.8	1.9				
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93		1.1	1.1				
403.5	Moss Landing/South Harbor	TCM	01/04/89		1.4					
404.0	Sandholdt Bridge	TCM	01/04/89		1.3					
404.0	Sandholdt Bridge	RBM	02/27/89		1.3					
404.0	Sandholdt Bridge	RBM	04/06/89		1.0					
404.0	Sandholdt Bridge	TCM	02/04/91		1.1					
404.0	Sandholdt Bridge	TCM	01/28/92		1.1				0.47	
404.0	Sandholdt Bridge	TCM	02/01/93	1.8					0.55	
405.2	Old Salinas River 2	TFC	03/16/92		1.2					
405.7	Salinas River Lag 2	TFC	03/16/92			1.5				
414.0	Pacific Grove	RCM	01/09/89	2.2	1.4				0.44	
414.0	Pacific Grove	RCM	02/08/90	2.9	1.4				0.39	
414.0	Pacific Grove	RCM	02/14/91	2.4	1.4					
414.0	Pacific Grove	RCM	01/31/92	1.6	2.0				0.35	
414.0	Pacific Grove	RCM	02/12/93	2.4	1.5				0.38	
421.7	Monterey Harbor/Marina	TCM	01/22/88		1.3			2.6		94.6
421.7	Monterey Harbor/Marina	TCM	04/05/89		1.0		20.3			155.9

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
423.1	Carmel Bay/New Control	RCM	05/25/92	2.2	1.7				0.37	
423.2	Carmel STP/Control	TCM	04/13/89		2.5					
423.3	Carmel River	TCM	04/13/89		1.6					
423.4	Carmel STP/10m North	TCM	04/13/89		1.8					
423.5	Carmel STP/30m South	TCM	02/01/91		1.3				0.31	
423.5	Carmel STP/30m South	TCM	05/14/92	1.7	1.7				0.65	
423.6	Carmel STP/10m South	TCM	01/22/88		1.7					
423.6	Carmel STP/10m South	TCM	04/13/89		1.8					
423.7	Carmel STP/100m South	TCM	02/01/91	1.6	1.9				0.38	
423.7	Carmel STP/100m South	TCM	05/14/92	1.7	1.7				0.60	
423.9	Carmel STP/300m South	TCM	02/01/91	1.7	1.5				0.36	
423.9	Carmel STP/300m South	TCM	05/14/92	1.9	1.7				0.70	
425.4	Lake San Antonio/Buoy	TFC	12/08/87		1.4					
425.6	Lake San Antonio	RFC	10/28/87		1.7					
425.6	Lake San Antonio	RFC	09/14/88						0.47	
425.6	Lake San Antonio	RFC	08/15/89		2.5				1.08	
425.6	Lake San Antonio	TFC	05/25/92			1.0			0.44	
426.5	Cayucos Pier	TCM	09/24/87	2.0	1.1					
426.5	Cayucos Pier	TCM	12/14/87	1.9						
426.5	Cayucos Pier	TCM	09/25/88	2.3	1.0					
426.5	Cayucos Pier	TCM	12/20/88	2.1						
426.5	Cayucos Pier	TCM	02/28/89	2.0						
426.5	Cayucos Pier	TCM	09/27/89	2.2	1.8					
426.5	Cayucos Pier	TCM	12/12/89	2.2	1.3					
426.5	Cayucos Pier	TCM	03/05/90	1.8	1.0					
426.5	Cayucos Pier	TCM	09/03/90		2.3					
426.5	Cayucos Pier	TCM	11/14/90		1.0					
426.5	Cayucos Pier	TCM	02/25/91	1.9		7.5			0.35	
428.0	Cayucos	RCM	09/27/89		1.1					
428.0	Cayucos	RCM	09/03/90		1.0					
428.0	Cayucos	RCM	02/25/91			7.9				
429.2	Morro Bay/Boat Works	RBM	03/14/88		1.2					
429.2	Morro Bay/Boat Works	TCM	12/19/88		1.2					
429.2	Morro Bay/Boat Works	TCM	02/02/90		1.0					
429.2	Morro Bay/Boat Works	TCM	01/20/93		1.7	1.5				
430.0	Montana De Oro	RCM	09/24/87	2.1	1.1					
430.0	Montana De Oro	RCM	12/14/87	1.7						
430.0	Montana De Oro	RCM	03/14/88	1.6						
430.0	Montana De Oro	RCM	09/26/88	2.2	1.2					
430.0	Montana De Oro	RCM	12/20/88	1.9	1.1					

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
430.0	Montana De Oro	RCM	02/28/89	2.1						
430.0	Montana De Oro	RCM	09/27/89	2.3	2.0					
430.0	Montana De Oro	RCM	12/12/89	1.9	1.3					
430.0	Montana De Oro	RCM	03/05/90	1.7	1.1					
430.0	Montana De Oro	RCM	04/03/90	2.1						
430.0	Montana De Oro	RCM	09/03/90	1.7	1.3					
430.0	Montana De Oro	RCM	11/14/90	1.9						
430.0	Montana De Oro	RCM	02/25/91	1.5		6.8				
430.0	Montana De Oro	RCM	09/09/91	1.4					0.34	
430.0	Montana De Oro	RCM	12/03/91	1.4					0.45	
430.0	Montana De Oro	RCM	02/25/92	1.8	1.5				0.51	
430.2	Montana De Oro 1	TCM	11/14/90	1.7	1.0					
430.2	Montana De Oro 1	TCM	09/10/91	1.4						
430.2	Montana De Oro 1	TCM	12/04/91	1.4					0.43	
430.4	Montana De Oro 2	TCM	11/14/90	1.7						
430.4	Montana De Oro 2	TCM	09/10/91	1.6						
431.0	Lion Rock	RCM	10/05/87		1.7					
431.0	Lion Rock	RCM	03/15/88		1.0					
431.0	Lion Rock	RCM	09/26/88		2.1					
431.0	Lion Rock	RCM	03/01/89		1.3					
431.0	Lion Rock	RCM	09/28/89		2.1					
431.0	Lion Rock	RCM	03/06/90		1.5					
432.0	Pup Rock	RCM	10/05/87		1.6					
432.0	Pup Rock	RCM	03/15/88		1.0					
432.0	Pup Rock	RCM	09/26/88		1.9					
432.0	Pup Rock	RCM	03/01/89		1.4					
432.0	Pup Rock	RCM	09/28/89		2.4					
432.0	Pup Rock	RCM	03/06/90		1.5					
433.0	Diablo Cove/North	RCM	09/25/87	2.1	1.3					
433.0	Diablo Cove/North	RCM	03/15/88	1.5						
433.0	Diablo Cove/North	RCM	09/26/88	2.1	2.0					
433.0	Diablo Cove/North	RCM	03/01/89	1.8						
433.0	Diablo Cove/North	RCM	09/28/89	1.6	2.0					
433.0	Diablo Cove/North	RCM	03/06/90	1.8	1.3					
433.0	Diablo Cove/North	RCM	09/04/90		2.0					
433.0	Diablo Cove/North	RCM	02/26/91		1.4					
433.0	Diablo Cove/North	RCM	09/09/91		2.1					
434.0	Diablo Cove/South	RCM	09/25/87	1.8	1.2					
434.0	Diablo Cove/South	RCM	03/15/88	1.4	1.3					
434.0	Diablo Cove/South	RCM	09/26/88	1.9	1.9					

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
434.0	Diablo Cove/South	RCM	03/01/89	1.7	1.6					
434.0	Diablo Cove/South	RCM	09/28/89	1.9	2.5					
434.0	Diablo Cove/South	RCM	03/06/90	1.7	1.5					
434.0	Diablo Cove/South	RCM	09/04/90	1.8	1.8					
434.0	Diablo Cove/South	RCM	02/26/91	1.5	1.6	1.1				
434.0	Diablo Cove/South	RCM	09/09/91	1.5	2.0					
434.0	Diablo Cove/South	RCM	02/26/92						0.41	
435.0	Intake Cove	RCM	09/25/87	1.5	1.5					
435.0	Intake Cove	RCM	03/15/88		1.1					
435.0	Intake Cove	RCM	09/26/88	1.9	2.4					
435.0	Intake Cove	RCM	03/01/89	1.6	1.3					
435.0	Intake Cove	RCM	09/28/89	2.0	3.0					
435.0	Intake Cove	RCM	03/06/90	1.7	1.4					
435.0	Intake Cove	RCM	09/04/90		2.2					
435.0	Intake Cove	RCM	02/26/91		1.5	2.5				
435.0	Intake Cove	RCM	09/09/91		2.3					
435.0	Intake Cove	RCM	02/26/92		1.1					
436.0	Pecho Rock	RCM	10/05/87		1.2					
436.0	Pecho Rock	RCM	03/15/88		1.0					
436.0	Pecho Rock	RCM	09/26/88		1.8					
436.0	Pecho Rock	RCM	03/01/89		1.1					
436.0	Pecho Rock	RCM	09/28/89		3.1					
436.0	Pecho Rock	RCM	03/06/90		1.1					
437.0	Point San Luis	RCM	09/24/87		1.0					
437.0	Point San Luis	RCM	09/25/88		1.2					
437.0	Point San Luis	RCM	09/27/89		1.7					
437.0	Point San Luis	RCM	03/05/90		1.0					
437.0	Point San Luis	RCM	09/03/90		1.5					
437.0	Point San Luis	RCM	02/25/91		1.1	1.5				
437.0	Point San Luis	RCM	09/09/91		1.0					
437.0	Point San Luis	RCM	02/26/92		1.0					
438.0	Avila	RCM	09/24/87		1.4					
438.0	Avila	RCM	09/27/89		1.5					
438.0	Avila	RCM	09/03/90		1.4					
438.0	Avila	RCM	02/25/91		1.3					
440.0	Lion Rock/Transplant	TCM	09/25/87	1.9	1.2					
440.0	Lion Rock/Transplant	TCM	12/15/87	1.7						
440.0	Lion Rock/Transplant	TCM	09/26/88	2.1	2.1					
440.0	Lion Rock/Transplant	TCM	12/20/88	1.9						
440.0	Lion Rock/Transplant	TCM	03/01/89	2.2						

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
440.0	Lion Rock/Transplant	TCM	09/28/89	2.1	2.8					
440.0	Lion Rock/Transplant	TCM	12/13/89	2.2	1.2					
440.0	Lion Rock/Transplant	TCM	03/06/90	1.9						
440.0	Lion Rock/Transplant	TCM	09/04/90		2.4					
440.0	Lion Rock/Transplant	TCM	11/15/90		1.0					
440.0	Lion Rock/Transplant	TCM	02/26/91			2.5				
440.0	Lion Rock/Transplant	TCM	09/10/91		1.3					
441.0	Lion/Diablo/Transplant	TCM	10/05/87		1.1					
441.0	Lion/Diablo/Transplant	TCM	03/01/89		1.0					
441.0	Lion/Diablo/Transplant	TCM	09/28/89		1.8					
441.0	Lion/Diablo/Transplant	TCM	12/13/89		1.1					
441.0	Lion/Diablo/Transplant	TCM	09/04/90		2.2					
441.0	Lion/Diablo/Transplant	TCM	11/15/90		1.0					
441.0	Lion/Diablo/Transplant	TCM	09/10/91		1.4					
442.0	Diablo Cove/North/Transplant	TCM	10/05/87	1.8						
442.0	Diablo Cove/North/Transplant	TCM	12/15/87	1.5						
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	1.5						
442.0	Diablo Cove/North/Transplant	TCM	09/26/88	1.7	1.6					
442.0	Diablo Cove/North/Transplant	TCM	12/20/88	1.9						
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	1.9						
442.0	Diablo Cove/North/Transplant	TCM	09/28/89	2.0	2.9					
442.0	Diablo Cove/North/Transplant	TCM	12/13/89	2.1	1.1					
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	1.9						
442.0	Diablo Cove/North/Transplant	TCM	09/04/90		2.3					
442.0	Diablo Cove/North/Transplant	TCM	02/26/91		1.0	1.4				
442.0	Diablo Cove/North/Transplant	TCM	09/10/91		1.3					
442.1	Diablo Cove/N/Transplant/Shallow	TCM	02/26/91			1.5				
442.1	Diablo Cove/N/Transplant/Shallow	TCM	09/10/91		1.4					
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	2.1						
443.0	Diablo Cove/South/Transplant	TCM	12/15/87	1.5						
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	2.2	2.6					
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	2.0	1.1					
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	2.1	2.5					
443.0	Diablo Cove/South/Transplant	TCM	12/13/89	2.3	1.4					
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	1.8	1.0					
443.0	Diablo Cove/South/Transplant	TCM	11/15/90		1.0					
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	2.1		4.5				
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	1.8	1.5					
443.0	Diablo Cove/South/Transplant	TCM	02/26/92						0.43	
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	1.7		2.4				

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	1.6	1.3					
444.0	Intake Cove/Transplant	TCM	09/25/87	2.2						
444.0	Intake Cove/Transplant	TCM	12/15/87	1.5						
444.0	Intake Cove/Transplant	TCM	03/15/88	1.6						
444.0	Intake Cove/Transplant	TCM	09/26/88	2.0						
444.0	Intake Cove/Transplant	TCM	12/20/88	1.7						
444.0	Intake Cove/Transplant	TCM	03/01/89	2.1						
444.0	Intake Cove/Transplant	TCM	09/28/89	2.2	1.3					
444.0	Intake Cove/Transplant	TCM	12/13/89	1.9	1.2					
444.0	Intake Cove/Transplant	TCM	03/06/90	2.1						
444.0	Intake Cove/Transplant	TCM	09/04/90	2.0	1.3					
444.0	Intake Cove/Transplant	TCM	02/26/91	2.0						
444.0	Intake Cove/Transplant	TCM	09/10/91	1.9	1.0					
444.0	Intake Cove/Transplant	TCM	02/26/92	1.5					0.42	
445.0	San Luis Harbor/Transplant	TCM	09/25/87	2.0	1.2					
445.0	San Luis Harbor/Transplant	TCM	03/15/88	1.8						
445.0	San Luis Harbor/Transplant	TCM	09/26/88	2.3	1.3					
445.0	San Luis Harbor/Transplant	TCM	12/20/88	1.8						
445.0	San Luis Harbor/Transplant	TCM	03/01/89	2.7						
445.0	San Luis Harbor/Transplant	TCM	09/28/89	2.0	1.6					
445.0	San Luis Harbor/Transplant	TCM	12/13/89	2.3	1.3					
445.0	San Luis Harbor/Transplant	TCM	03/06/90	2.2						
445.0	San Luis Harbor/Transplant	TCM	09/04/90	2.1	1.9					
445.0	San Luis Harbor/Transplant	TCM	02/25/91	2.3		2.1				
445.0	San Luis Harbor/Transplant	TCM	09/09/91	1.7						
445.0	San Luis Harbor/Transplant	TCM	02/25/92						0.47	
446.0	San Luis Obispo Creek 1	TFC	02/26/91			1.3				
446.1	San Luis Obispo/Creek 2	TFC	04/09/92			1.1				
450.0	Point Conception	RCM	03/20/89		1.2					
455.0	Gaviota	TCM	03/21/89		2.0					
470.0	Santa Barbara Harbor	TCM	01/26/88		1.1			2.5		86.1
470.0	Santa Barbara Harbor	TCM	12/18/88		1.6		20.9			86.9
480.0	Lake Isabella	RFC	02/09/93	1.9		1.5				
485.0	Ventura Marina	TCM	01/25/88		1.1					80.3
506.1	Port Hueneme/Wharf B	TCM	01/25/88		1.0					82.2
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88		1.0					
553.0	Marina Del Rey/Entrance	TCM	12/19/88					3.2		
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88		1.4			9.8		142.0
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88					4.9		73.8
555.0	Marina Del Rey/Basin G	TCM	01/25/88		1.6		29.4	5.6		150.4

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
555.0	Marina Del Rey/Basin G	TCM	12/19/88		1.1			3.1		88.2
555.2	Marina Del Rey/Basin D	TCM	01/25/88		1.9		29.1	5.1		177.9
556.0	Marina Del Rey/Basin E	TCM	01/25/88		1.6			6.0		123.7
556.0	Marina Del Rey/Basin E	TCM	12/19/88		1.0					70.1
559.0	King Harbor	TCM	12/28/87		1.6		27.5	4.9		109.2
601.0	LA Harbor/National Steel	TCM	12/28/87		1.1			3.0		
601.0	LA Harbor/National Steel	TCM	12/19/88		1.2			2.2		
601.0	La Harbor/National Steel	TCM	12/22/91		1.4					
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87		1.3			3.1		79.4
602.6	LA Harbor/Berth 50	TCM	12/22/89				34.5			
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87		1.3			3.0		96.9
602.8	LA Harbor/Berth 49	TCM	12/28/87				40.7	2.7		87.3
602.8	LA Harbor/Berth 49	TCM	12/19/88				48.6			
602.8	LA Harbor/Berth 49	TCM	12/23/90		1.3					
603.0	LA Harbor/Berth 151	TCM	12/28/87					2.3		
603.6	LA Harbor/Slip 240	TCM	12/28/87		1.0			2.4		
606.2	LA Harbor/Fish Harbor	TCM	12/28/87					2.6		
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87		1.1					
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87		1.1			2.7		
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88		1.1			2.0		
616.0	La Harbor/Consolidated Slip	TCM	12/22/91		1.6			2.1		
622.0	LA Harbor/Commer Marine	TCM	12/23/90		1.9		38.0			110.0
648.0	Malibu	RBM	12/26/90			20.0				
650.0	Santa Monica	RBM	12/26/90			8.6				
650.0	Santa Monica	RCM	01/06/93			2.9				
662.0	Royal Palms	RCM	01/05/93			2.3				
681.0	Catalina Island/West	RCM	09/04/91					2.8		
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93			6.5				
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91		1.0					
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90			2.4				
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90		1.3					
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91		1.0					
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87					2.7		
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87		1.2			2.8		
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89		1.1					
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90		1.7					
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91		1.5					
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87		1.3			2.4		
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88					3.9	0.40	
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89		1.0			3.4		

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( ) Median International Standard in Parentheses.

APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90		1.2					
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91		1.3					
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93		1.3					
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87		1.4			2.5		
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88		1.1			3.0		
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91		1.0			2.6		
719.1	Santa Ana River/Prado Dam	TFC	04/02/92			1.0			0.44	
719.1	Santa Ana River/Prado Dam	TFC	03/17/93			2.2				
719.8	Temescal Creek/Nichols Road	TFC	04/02/92			1.5				
721.0	Newport Bay/Entrance	TCM	12/21/90		1.2					
723.0	Newport Bay/Bay Island	TCM	12/21/87		1.1					
723.0	Newport Bay/Bay Island	TCM	12/21/90		1.0	1.4				
723.0	Newport Bay/Bay Island	TCM	12/22/91		1.2					
723.4	Newport Bay/Turning Basin	TCM	12/21/87		1.4					
723.4	Newport Bay/Turning Basin	TCM	12/20/88		1.0					
723.4	Newport Bay/Turning Basin	TCM	12/27/89		1.2					
723.4	Newport Bay/Turning Basin	TCM	12/21/90		1.6					71.0
723.4	Newport Bay/Turning Basin	TCM	12/22/91		1.4					
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87		1.6					
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90		1.4					
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91		1.4					
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93		1.9					
725.0	Newport Bay/Crows Nest	TCM	12/21/87		1.5					
725.0	Newport Bay/Crows Nest	TCM	12/20/88		1.3					
725.0	Newport Bay/Crows Nest	TCM	12/21/90		1.7					88.0
725.0	Newport Bay/Crows Nest	TCM	12/22/91		1.4			2.1		74.0
725.0	Newport Bay/Crows Nest	TCM	01/05/93		1.5	2.3				76.0
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87		1.5					71.7
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88		1.2					
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87		1.0					
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88		1.1					
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89		1.1					
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90		1.5	1.1				78.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91		1.1			2.6		70.0
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93		2.7	1.4				98.0
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88		1.0					
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91		8.4					
728.7	Upper Newport Bay/Drain 4	TFC	03/14/90			2.8	24.0			
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88		1.3					
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90			1.2				

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93		2.4					110.0
744.1	San Onofre 1	TCM	09/27/90	1.5						
744.1	San Onofre 1	TCM	03/12/91	1.6		1.7				
744.1	San Onofre 1	TCM	10/24/91						0.36	
744.1	San Onofre 1	TCM	03/25/92	1.4					0.57	
744.2	San Onofre 2	TCM	11/22/89	1.6					0.43	
744.2	San Onofre 2	TCM	10/01/90	1.7						
744.2	San Onofre 2	TCM	03/12/91	1.6	1.0					
744.2	San Onofre 2	TCM	03/25/92	1.4					0.63	
744.3	San Onofre 3	TCM	11/22/89	1.5					0.49	
744.3	San Onofre 3	TCM	04/04/90	2.1					0.54	
744.3	San Onofre 3	TCM	09/27/90	1.8						
744.3	San Onofre 3	TCM	03/25/92	1.4					0.59	
744.4	San Onofre 4	TCM	01/30/89		1.0					
744.4	San Onofre 4	TCM	11/22/89	1.6					0.56	
744.4	San Onofre 4	TCM	04/04/90	2.0					0.59	
744.4	San Onofre 4	TCM	03/12/91	1.6		1.2				
744.4	San Onofre 4	TCM	10/24/91						0.37	
744.4	San Onofre 4	TCM	03/25/92	1.4					0.53	
744.5	San Onofre 5	TCM	11/22/89	1.7					0.43	
744.5	San Onofre 5	TCM	04/04/90	1.8					0.50	
744.5	San Onofre 5	TCM	10/01/90	1.6						
744.5	San Onofre 5	TCM	03/12/91	2.0	1.0					
744.5	San Onofre 5	TCM	03/25/92	1.4	1.0				0.62	
744.6	San Onofre 6	TCM	11/22/89	1.9					0.63	
744.6	San Onofre 6	TCM	04/04/90	1.7					0.49	
744.6	San Onofre 6	TCM	09/27/90	2.0						
744.6	San Onofre 6	TCM	03/12/91	2.5						
744.6	San Onofre 6	TCM	10/24/91						0.45	
744.6	San Onofre 6	TCM	03/25/92	1.5					0.61	
748.0	Oceanside/Harbor	TCM	12/21/87		1.5					
748.0	Oceanside/Harbor	TCM	01/05/93		1.7	1.3				
748.0	Oceanside/Harbor	TCM	12/21/91		1.4					
750.0	Oceanside	RCM	12/22/90	1.6						
750.0	Oceanside	RCM	12/21/91						0.56	
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90		1.4	1.5		3.5		170.0
868.5	Mission Bay/Landfill 1	TCM	12/21/89		1.0					
868.5	Mission Bay/Landfill 1	TCM	12/22/90			1.7				
871.0	Mission Bay/South Shore/Rock 2	TCM	01/05/93		1.1	5.2				
872.4	Mission Bay/Kendall-Frost Reserve	TCM	01/04/93		1.5	2.0				

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
873.5	Mission Bay/Harbor Police	TCM	01/04/93		1.5					
881.3	Sweetwater River/Mouth 1	TCM	01/15/91		1.0					
881.3	Sweetwater River/Mouth 1	TCM	12/21/91		1.6					
881.5	San Diego Bay/Rohr Channel Mouth	TCM	01/05/93		1.6					
882.0	24th St Maritime Terminal/South	TCM	12/22/87		1.0					
882.0	24th St Maritime Terminal/South	TCM	12/21/91		1.3				0.36	
882.2	24Th St Maritime Terminal/North	TCM	12/21/89		1.3					
882.2	24Th St Maritime Terminal/North	TCM	01/05/93		1.5					
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87		1.1					
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87		1.5		22.6			77.7
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88		1.3					
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93		1.9	1.0				
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88		1.1					
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91		1.2					
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91		2.0				0.30	
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88		1.3					
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88		1.1			2.2		
883.4	San Diego Bay/Continental Maritime	TCM	12/21/88		1.0					
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93		1.8	2.0				
883.5	San Diego Bay/Tuna Docks	TCM	12/21/88		1.1					
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87		1.2			3.4		92.1
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88		1.1			2.6		81.4
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93		2.0					
885.2	San Diego Bay/32nd Street	TCM	12/21/88		1.1					
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88		1.2					
887.0	San Diego Bay/Evans Street	TCM	12/22/90		1.5	1.7				
887.0	San Diego Bay/Evans Street	TCM	12/21/91		1.2					
887.0	San Diego Bay/Evans Street	TCM	01/05/93		1.7					72.0
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91		1.4					
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93		1.3	2.3				
891.0	San Diego Bay/G Street Pier	TCM	12/22/87		1.1					
893.0	San Diego Bay/Laurel Street	TCM	01/05/93		1.5	2.6				
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87		1.3	1.4		3.5		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88		1.4			2.9		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89		1.2	1.2		2.4		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90		1.7	22.0		3.0		
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91		1.1	1.3				
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93		1.9					
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88		1.1					
894.8	Laurel Street Storm Drain	TCM	12/21/88		1.1					

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APPENDIX J (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding the Median International Standards (MIS)

(ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Arsenic (1.4)	Cadmium (1.0)	Chromium (1.0)	Copper (20.0)	Lead (2.0)	Selenium (0.3)	Zinc (70.0)
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93		1.9					
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87		1.4					109.8
898.0	Commercial Basin/Carlton Street	TCM	12/21/89				20.9			97.2
898.0	Commercial Basin/Carlton Street	TCM	01/05/93		2.1					94.0
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91		1.1				0.32	
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93		1.5					
899.2	San Diego Bay/Shelter Island	TCM	01/05/93		1.5		24.0			120.0
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87		1.3					85.9

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APPENDIX K

Summary of 1987-93 Data

Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

APPENDIX K

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
2.0	Crescent City/STP Outfall	RCM	02/12/88	78.3*			1.01**			2.05*	0.09*					
2.0	Crescent City/STP Outfall	RCM	02/17/89					1.72*			0.14**					
2.0	Crescent City/STP Outfall	RCM	02/23/90					1.59*								
2.0	Crescent City/STP Outfall	RCM	02/27/90	92.0*			4.20**	1.70*			0.14**			0.62*		
2.0	Crescent City/STP Outfall	RCM	03/12/92	82.0*				1.80*			0.20**			0.83*		
3.0	Crescent City/Control	RCM	02/12/88				0.94**			2.37*						
3.0	Crescent City/Control	RCM	02/17/89													34.5*
3.0	Crescent City/Control	RCM	02/23/90	89.0*			0.56*	1.55*		2.73**						
3.0	Crescent City/Control	RCM	02/27/90	260.0**			9.10**	1.80*		4.10**						
3.0	Crescent City/Control	RCM	03/12/92	180.0**			0.60*	1.80*		2.90**						
10.0	Trinidad Head	RCM	09/08/87				0.63*			2.27*						
10.0	Trinidad Head	RCM	09/20/88							2.70**					9.59*	
10.0	Trinidad Head	RCM	09/28/89	77.8*				1.70*		3.39**						
10.0	Trinidad Head	RCM	09/18/90	130.0**			0.53*									
10.0	Trinidad Head	RCM	10/08/91	92.0*		1.50*		1.70*								
10.0	Trinidad Head	RCM	10/22/92	120.0**		1.50*		1.70*		2.30*						
100.0	Mad River Slough	TCM	02/25/92	180.0*												
101.0	Samoa Bridge/West	TCM	02/27/91	320.0**			6.80**			4.70*						
102.0	Samoa Bridge/East	TCM	02/17/89	120.2*			0.70*									
102.0	Samoa Bridge/East	TCM	02/25/92	210.0**												
103.0	Eureka Channel	TCM	02/17/89	123.9*			0.81*									
103.0	Eureka Channel	TCM	02/25/92	280.0**			0.70*									
103.0	Eureka Channel	TCM	02/17/93	290.0**			2.20**									
103.2	Louisiana Pacific Dock	TCM	02/11/88	200.7*			0.99*									
103.3	E Street	TCM	02/25/92	260.0**			0.66*									
103.7	Eda Dock	TCM	02/25/92	150.0*												
104.0	Eureka STP/Outfall	TCM	02/11/88	164.7*			1.05*									
104.0	Eureka STP/Outfall	TCM	02/23/90	170.6*			0.86*									
104.0	Eureka STP/Outfall	TCM	02/27/91	360.0**			9.60**			5.10*						
104.0	Eureka STP/Outfall	TCM	02/25/92	250.0**												
104.5	Eureka STP/Control	TCM	02/12/88	127.7*			1.00*									
104.5	Eureka STP/Control	TCM	02/17/89				0.73*									
104.5	Eureka STP/Control	TCM	02/23/90	163.6*			0.72*									
104.5	Eureka STP/Control	TCM	02/27/91	380.0**			5.90**			4.80*						
104.5	Eureka STP/Control	TCM	02/25/92	260.0**												
104.5	Eureka STP/Control	TCM	02/17/93	350.0**			1.50**									
106.0	Fields Landing	TCM	02/25/92	240.0**												
155.1	Lake Pillsbury 1	TFC	03/31/93	310.0*			2.30*									
155.3	Lake Pillsbury 2	TFC	03/31/93	390.0*												
159.0	Russian River West Fork	TFC	03/20/90				3.13**									

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** = Equals or exceeds EDL 95.

APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
159.0	Russian River West Fork	TFC	03/06/92	460.0**			2.00*						0.45*	0.04**		
159.0	Russian River West Fork	TFC	03/30/93	260.0*			2.10*									
165.0	Russian River Below Ukiah	TFC	03/20/90	211.8*					0.31*					0.09**		20.0*
165.0	Russian River Below Ukiah	TFC	03/06/92	520.0**						12.00*		1.40**				
165.0	Russian River Below Ukiah	TFC	03/30/93	250.0*										0.04**		
175.0	Big Sulfur Creek	TFC	03/21/90	314.8*			4.84**	24.26**	0.41**	9.57*						42.0**
175.0	Big Sulfur Creek	TFC	01/29/91			1.00*	7.30**	42.00**	0.24*	24.00**	0.30**					79.0**
176.0	Lake Sonoma	TFC	03/30/93				2.20*									
190.0	Estero Americano	RCM	12/05/88			2.15**		1.58*								
190.0	Estero Americano	RCM	01/29/91	110.0**		2.60**										
190.0	Estero Americano	RCM	03/05/92	180.0**				1.60*		2.40*			0.51*			
202.0	Bodega Head	RCM	08/14/87				0.53*									
202.0	Bodega Head	RCM	08/24/88			1.87*										
202.0	Bodega Head	RCM	08/28/89			1.82*										
202.0	Bodega Head	RCM	08/22/90			1.80*										
202.0	Bodega Head	RCM	08/28/91			1.90*										
202.0	Bodega Head	RCM	09/01/92			2.00*										
203.0	Tomales Bay	RBM	01/29/91	220.0**			0.53*			5.60*						
203.0	Tomales Bay	RBM	12/30/91	170.0*												
204.0	Estero De San Antonio	TCM	02/26/93	130.0*			2.50**									
205.0	Bodega Harbor/Spud Point Marin	TCM	01/29/91	420.0**							0.06*					
205.0	Bodega Harbor/Spud Point Marin	TCM	01/10/92	160.0*		1.60*										
205.0	Bodega Harbor/Spud Point Marin	TCM	03/02/93	260.0**			1.10*									
207.0	Point Reyes	RCM	01/29/91			2.60**										
280.0	Russian River/S Goat Rock	RCM	12/29/87	104.7*			0.83**			2.53*						
280.0	Russian River/S Goat Rock	RCM	12/05/88			2.32**		1.87*		2.17*						
280.0	Russian River/S Goat Rock	TCM	02/25/93	180.0*			2.20**									
290.0	Russian River/near Moscow	TFC	02/08/88	631.0**		1.82**	5.40**		0.30*	22.15**				0.04**		
294.2	Windsor Creek/Mark West Statio	TFC	04/07/92							21.00**	0.07**					
294.5	Green Valley Creek 1	TFC	03/30/93				2.30*									
294.6	Green Valley Creek 2	TFC	03/30/93				2.00*									
295.1	Santa Rosa Fl Con Ch/Willowside	TFC	12/05/88			0.97*					0.04					
295.1	Santa Rosa Fl Con Ch/Willowside	TFC	03/20/90						0.21*		0.04*					20.7*
295.1	Santa Rosa Fl Con Ch/Willowside	TFC	01/30/91		0.90*					10.00*						
295.2	Laguna de Santa Rosa/Stony Poi	TFC	03/20/90							20.60**						
295.2	Laguna de Santa Rosa/Stony Poi	TFC	01/30/91		0.90*						0.04*					
295.2	Laguna De Santa Rosa/Stony Poi	TFC	04/07/92					15.00**			0.04*			0.03*		
295.3	Mark West Creek/Wholer Road	TFC	12/05/88			1.03*							0.46**			
295.3	Mark West Creek/Wholer Road	TFC	03/20/90													25.1**
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	350.0*				9.30*				1.60**				

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
295.4	Russian River/Wholer Bridge	TFC	03/20/90							15.27*						
295.4	Russian River/Wholer Bridge	TFC	04/07/92					8.90*			0.04*					
295.5	Russian River/Hacienda Bridge	TFC	12/05/88								0.04*	1.06*	0.48**			
295.5	Russian River/Hacienda Bridge	TFC	03/20/90		1.03**							1.00*				
295.5	Russian River/Hacienda Bridge	TFC	04/07/92					9.00*								
298.0	Brannan Island	RFC	12/29/87				1.16*	10.02*								17.3*
298.0	Brannan Island	RFC	12/29/88	73.1*			1.60**	16.63**			0.05**			0.03*		26.3**
298.3	Concord Naval/Pier 4	TCM	12/08/87	170.7*			0.63*									
298.4	Concord Naval/Seal Island	TCM	12/08/87	172.0*			0.65*									
299.1	Selby Slag 4	TCM	01/14/88			1.82*										
301.4	Union Oil Outfall	TCM	01/28/88										1.93**			
301.4	Union Oil Outfall	TCM	12/30/88										3.10**			
302.0	Point Pinole	TCM	02/09/90			1.56*										
302.0	Point Pinole	TCM	01/16/91	230.0**				6.70*								
302.0	Point Pinole	TCM	12/27/91	210.0**												
302.0	Point Pinole	TCM	01/20/93	130.0*		2.00**										
302.4	Castro Cove Bridge	TCM	01/18/88								0.08*					
302.4	Castro Cove Bridge	TCM	12/29/88							6.328*	0.11**		0.78*			
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	340.0**			4.70**				0.06*					
303.3	Lauritzen Canal/End	TCM	03/22/91	230.0**		1.80*	1.30**			5.80*						
303.4	Santa Fe Channel/End	TCM	03/22/91	260.0**			0.92*	6.20*		4.90*	0.06*					
303.6	Richmond Inner Harbor Basin	TCM	12/29/88								0.08*					
304.4	Serl Intake	TCM	03/22/91	270.0**			4.70**				0.09**					
304.6	Point Isabel	TCM	01/14/88	131.7*							0.07*					
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	310.0**										0.19**		
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	240.0**									0.90*			
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	250.0**									0.82*	0.15*		
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	229.0**									0.86*	0.11*		
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88								0.07*		0.98**			
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90											0.12*		
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	280.0**										0.20**		
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	280.0**									0.76*			
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93			1.70*							0.73*	0.13*		
307.2	Alameda Yacht Harbor	TCM	01/14/88	135.0*		1.82*	0.67*			7.518*	0.09**					
307.2	Alameda Yacht Harbor	TCM	12/30/88								0.10**					
307.4	Oakland Inner Hbr/Embarcadero	TCM	01/14/88	142.3*		1.72*	0.76*	7.57*	4.14**	5.10*	0.10**					
307.4	Oakland Inner Hbr/Embarcadero	TCM	12/30/88								0.10**					
307.4	Oakland Inner Hbr/Embarcadero	TCM	01/30/91	180.0*						4.50*						
307.4	Oakland Inner Hbr/Embarcadero	TCM	12/17/91			1.60*										
307.4	Oakland Inner Hbr/Embarcadero	TCM	01/20/93	170.0*		1.80*				4.40*						

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
307.5	Lake Merritt	RCM	03/16/93	170.0**				1.90*	2.00*	8.60**		0.73*				41.0**
307.6	Oakland Back Harbor	TCM	01/14/88				0.62*			5.34*	0.10**					
307.8	San Francisco Outfall	TCM	12/29/88								0.10**			0.17*		
307.9	San Francisco/Islais Channel	TCM	01/15/88								0.08*			0.32**		
308.0	San Francisco Bay/Hunter's Poi	TCM	01/16/91	310.0**			0.67*							0.23**		
308.0	San Francisco Bay/Hunter's Poi	TCM	12/16/91	220.0**												
308.0	San Francisco Bay/Hunter's Poi	TCM	02/01/93	260.0**		1.60*	0.64*							0.11*		
308.2	Hunter's Point/Shipyard	TCM	12/29/88								0.08*					
309.0	San Mateo Bridge/8B	TCM	02/09/90								0.06			0.10		
309.0	San Mateo Bridge/8B	TCM	01/16/91	190.0*												
309.0	San Mateo Bridge/8B	TCM	12/16/91	280.0**												
309.0	San Mateo Bridge/8B	TCM	02/01/93	280.0**		1.80*	0.72*							0.12*		
313.0	San Francisco Bay/near Redwood	TCM	01/16/91	200.0*			1.80**									
313.0	San Francisco Bay/Near Redwood	TCM	12/16/91	200.0*												
313.0	San Francisco Bay/near Redwood	TCM	02/01/93	300.0**			0.75*			4.40*						
321.0	Dumbarton Bridge/Channel Marke	TCM	01/15/88	136.3*						4.79*						
321.0	Dumbarton Bridge/Channel Marke	TCM	12/29/88							5.43*	0.07*					
321.0	Dumbarton Bridge/Channel Marke	TCM	01/16/91	350.0**			0.81*			6.008*						
321.0	Dumbarton Bridge/Channel Marke	TCM	12/16/91	250.0**						4.70*						
323.3	Palo Alto Outfall	TCM	12/29/88								0.06*					
323.3	Palo Alto Outfall	TCM	02/09/90							5.15*	0.09**			0.17*		
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	270.0**						7.208*				0.11*		
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	240.0**						6.308*						
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	130.0*						4.70*			1.20**	0.12*		
336.0	J. Fitzgerald	RCM	01/30/91	92.0*												
399.7	San Lorenzo River/Felton	TFC	02/16/91				2.60*			12.00*	0.04*					
400.2	Younger Lagoon	TCM	02/25/93			1.60*										
400.8	Aptos Creek	TFC	01/31/90		0.95**					17.31**						
400.8	Aptos Creek	RFC	11/14/90							9.30*	0.04*					
400.8	Aptos Creek	TFC	12/19/91				3.20**									
401.1	Santa Cruz/T Dock	TCM	02/08/89			1.74*		23.73**			0.11**					94.8**
402.1	Azevedo Pond	TCM	02/25/93	130.0*		1.70*	3.20**									
402.2	Parson's Slough	TCM	02/25/93	180.0*		1.80*	1.90**									
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	180.0*			1.10*									
403.5	Moss Landing/South Harbor	TCM	01/04/89								0.06*					68.2*
404.0	Sandholdt Bridge	RBM	04/07/88													51.7*
404.0	Sandholdt Bridge	TCM	01/04/89													67.5*
404.0	Sandholdt Bridge	RBM	02/27/89			1.31**										44.4*
404.0	Sandholdt Bridge	TCM	02/19/90	124.5*												
404.0	Sandholdt Bridge	TCM	02/04/91	190.0*												

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
404.0	Sandholdt Bridge	TCM	02/01/93	200.0*												
405.2	Old Salinas River 2	TFC	03/16/92			1.20*										
405.7	Salinas River Lag 2	TFC	03/16/92	390.0*				9.00*								
414.0	Pacific Grove	RCM	01/09/89													36.3*
414.0	Pacific Grove	RCM	02/14/91				0.83**					0.70*				39.0**
414.0	Pacific Grove	RCM	01/31/92			2.00*										34.0*
414.0	Pacific Grove	RCM	02/12/93			1.50*										37.0*
421.7	Monterey Harbor/Marina	TCM	01/22/88					12.03**	2.63*		0.07*					94.6**
421.7	Monterey Harbor/Marina	TCM	04/05/89					20.28**	1.81*		0.15**					155.9**
423.1	Carmel Bay/New Control	RCM	05/25/92			1.70*										
423.2	Carmel STP/Control	TCM	04/13/89			2.51**										
423.3	Carmel River	TCM	04/13/89			1.65*								0.10*		
423.4	Carmel STP/10m North	TCM	04/13/89			1.77*								0.10		
423.5	Carmel STP/30m South	TCM	05/14/92			1.70*							0.65*			
423.6	Carmel STP/10m South	TCM	01/22/88			1.74*										
423.6	Carmel STP/10m South	TCM	04/13/89			1.75*								0.10*		
423.7	Carmel STP/100m South	TCM	02/01/91			1.90*										
423.7	Carmel STP/100m South	TCM	05/14/92			1.70*										
423.9	Carmel STP/300m South	TCM	05/14/92			1.70*							0.70*			
424.5	Granite Canyon/Control	TCM	09/21/88								0.20**					
425.4	Lake San Antonio/Buoy	TFC	12/08/87			1.43**										
425.6	Lake San Antonio	RFC	10/28/87			1.66*			0.12*							
425.6	Lake San Antonio	RFC	09/14/88											0.06**		
425.6	Lake San Antonio	RFC	08/15/89	57.0*		2.48**										17.2*
425.6	Lake San Antonio	TFC	05/25/92										0.44*			
426.5	Cayucos Pier	TCM	09/24/87									0.77*			13.71*	
426.5	Cayucos Pier	TCM	09/25/88		2.33*										7.68*	
426.5	Cayucos Pier	TCM	02/28/89									0.91*			10.13*	
426.5	Cayucos Pier	TCM	09/27/89			1.82*						0.89*				
426.5	Cayucos Pier	TCM	03/05/90									0.86*			7.94*	
426.5	Cayucos Pier	TCM	09/03/90			2.30**										
426.5	Cayucos Pier	TCM	02/25/91				7.50**									
428.0	Cayucos	RCM	09/24/87				0.53*					0.77*				
428.0	Cayucos	RCM	03/14/88				0.69*	1.60*				0.78*			6.81*	
428.0	Cayucos	RCM	09/25/88							2.04*	0.07*	0.82**				
428.0	Cayucos	RCM	02/28/89					1.82*				0.92**				
428.0	Cayucos	RCM	09/27/89	78.1*			0.64*			2.52*		0.97**			10.15**	
428.0	Cayucos	RCM	03/05/90	76.0*			0.54*			2.00*		1.03**				
428.0	Cayucos	RCM	09/03/90	110.0**			0.61*			2.70**						36.0*
428.0	Cayucos	RCM	02/25/91	170.0**			7.90**	1.60*		4.00**						

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
428.0	Cayucos	RCM	09/09/91	95.0*												
428.0	Cayucos	RCM	02/25/92	120.0**						2.30*						
429.2	Morro Bay/Boat Works	RBM	03/14/88			1.19*	0.52*									
429.2	Morro Bay/Boat Works	TCM	01/20/93	180.0*		1.70*	1.50**				0.06*					
430.0	Montana De Oro	RCM	09/24/87					1.52*								
430.0	Montana De Oro	RCM	12/14/87				0.68*	1.85*								
430.0	Montana De Oro	RCM	03/14/88				0.52*									
430.0	Montana De Oro	RCM	09/26/88					1.55*								
430.0	Montana De Oro	RCM	12/20/88					1.75*								
430.0	Montana De Oro	RCM	02/28/89					1.69*								
430.0	Montana De Oro	RCM	09/27/89			2.03**										
430.0	Montana De Oro	RCM	04/03/90													33.7*
430.0	Montana De Oro	RCM	02/25/91				6.80**									
430.0	Montana De Oro	RCM	02/25/92			1.50*		1.60*					0.51*			
431.0	Lion Rock	RCM	10/05/87			1.72*					0.08*					
431.0	Lion Rock	RCM	09/26/88			2.09**		1.69*								
431.0	Lion Rock	RCM	09/28/89			2.05**										
431.0	Lion Rock	RCM	03/06/90			1.55*										38.9*
432.0	Pup Rock	RCM	10/05/87			1.61*					0.26**					
432.0	Pup Rock	RCM	03/15/88				0.64*									
432.0	Pup Rock	RCM	09/26/88			1.85*										
432.0	Pup Rock	RCM	03/01/89					1.62*			0.13**					37.7*
432.0	Pup Rock	RCM	09/28/89			2.44**										
432.0	Pup Rock	RCM	03/06/90			1.55*										34.5*
433.0	Diablo Cove/North	RCM	03/15/88												6.94*	
433.0	Diablo Cove/North	RCM	09/26/88			1.95*		1.89*								
433.0	Diablo Cove/North	RCM	09/28/89			1.96*										
433.0	Diablo Cove/North	RCM	03/06/90													36.9*
433.0	Diablo Cove/North	RCM	09/04/90			2.00*										
433.0	Diablo Cove/North	RCM	02/26/91				0.76*									
433.0	Diablo Cove/North	RCM	09/09/91			2.10**										
433.0	Diablo Cove/North	RCM	02/26/92	100.0*												
434.0	Diablo Cove/South	RCM	03/15/88				0.55*									
434.0	Diablo Cove/South	RCM	09/26/88			1.93*										
434.0	Diablo Cove/South	RCM	03/01/89			1.64*										
434.0	Diablo Cove/South	RCM	09/28/89			2.46**									13.21**	
434.0	Diablo Cove/South	RCM	09/04/90			1.80*										
434.0	Diablo Cove/South	RCM	02/26/91			1.60*	1.10**									
434.0	Diablo Cove/South	RCM	09/09/91			2.00*										
434.0	Diablo Cove/South	RCM	02/26/92	92.0*												

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State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
435.0	Intake Cove	RCM	09/26/88			2.39**										
435.0	Intake Cove	RCM	09/28/89			2.98**										
435.0	Intake Cove	RCM	09/04/90			2.20**										
435.0	Intake Cove	RCM	02/26/91			1.50*	2.50**									
435.0	Intake Cove	RCM	09/09/91			2.30**										
435.0	Intake Cove	RCM	02/26/92	86.0*												
436.0	Pecho Rock	RCM	09/26/88			1.80*		1.63*			0.09*					
436.0	Pecho Rock	RCM	03/01/89					1.76*			0.08*					
436.0	Pecho Rock	RCM	09/28/89			3.10**										
436.0	Pecho Rock	RCM	03/06/90								0.08*					
437.0	Point San Luis	RCM	03/14/88												7.52*	
437.0	Point San Luis	RCM	09/27/89			1.69*										
437.0	Point San Luis	RCM	09/03/90			1.50*										
437.0	Point San Luis	RCM	02/25/91				1.50**									35.0*
437.0	Point San Luis	RCM	02/26/92	110.0**												
438.0	Avila	RCM	09/24/87												5.75*	
438.0	Avila	RCM	02/25/91	87.0*			0.62*									
438.0	Avila	RCM	02/25/92	96.0*												
440.0	Lion Rock/Transplant	TCM	12/15/87												7.85*	
440.0	Lion Rock/Transplant	TCM	09/26/88			2.10**										
440.0	Lion Rock/Transplant	TCM	09/28/89			2.85**										
440.0	Lion Rock/Transplant	TCM	09/04/90			2.40**										
440.0	Lion Rock/Transplant	TCM	02/26/91				2.50**									
441.0	Lion/Diablo/Transplant	TCM	09/28/89			1.76*										
441.0	Lion/Diablo/Transplant	TCM	09/04/90			2.20**										
441.0	Lion/Diablo/Transplant	TCM	02/26/91				0.90*									
441.0	Lion/Diablo/Transplant	TCM	02/26/92	130.0*												
442.0	Diablo Cove/North/Transplant	TCM	12/15/87									0.78*			7.57*	
442.0	Diablo Cove/North/Transplant	TCM	03/15/88												11.19*	
442.0	Diablo Cove/North/Transplant	TCM	09/26/88			1.64*										
442.0	Diablo Cove/North/Transplant	TCM	09/28/89			2.88**										
442.0	Diablo Cove/North/Transplant	TCM	09/04/90			2.30**										
442.0	Diablo Cove/North/Transplant	TCM	02/26/91				1.40**									
442.1	Diablo Cove/N/Transplant/Shall	TCM	02/26/91				1.50**									
443.0	Diablo Cove/South/Transplant	TCM	12/15/87												14.52*	
443.0	Diablo Cove/South/Transplant	TCM	09/26/88			2.58**										
443.0	Diablo Cove/South/Transplant	TCM	09/28/89			2.48**										
443.0	Diablo Cove/South/Transplant	TCM	02/26/91				4.50**									
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	140.0*												
443.1	Diablo Cove/S/Transplant/Shall	TCM	02/26/91				2.40**									

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APPENDIX K (continued)

State Mussel Watch Program

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(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
444.0	Intake Cove/Transplant	TCM	02/26/91				0.83*									
445.0	San Luis Harbor/Transplant	TCM	03/01/89		2.73*											
445.0	San Luis Harbor/Transplant	TCM	09/28/89			1.61*										
445.0	San Luis Harbor/Transplant	TCM	12/13/89		2.30*											
445.0	San Luis Harbor/Transplant	TCM	09/04/90			1.90*										
445.0	San Luis Harbor/Transplant	TCM	02/25/91		2.30*		2.10**									
450.0	Point Conception	RCM	03/20/89					1.74*								41.5**
450.0	Point Conception	RCM	01/04/91				0.77*									35.0*
455.0	Gaviota	RCM	01/26/88					1.54*								
455.0	Gaviota	TCM	03/21/89			1.96**										
470.0	Santa Barbara Harbor	TCM	01/26/88					17.41**	2.55*		0.06					86.1**
470.0	Santa Barbara Harbor	TCM	12/18/88			1.64*		20.90**			0.08*					86.9**
480.0	Lake Isabella	RFC	02/09/93				1.50*									
485.0	Ventura Marina	TCM	01/25/88					17.91**								80.3**
506.1	Port Hueneme/Wharf B	TCM	01/25/88					17.95**								82.2**
506.2	Port Hueneme/Wharf 1	TCM	01/25/88													54.5*
553.0	Marina Del Rey/Entrance	TCM	12/19/88						3.21**					0.18*		
554.0	Marina Del Rey/Harbor Patrol D	TCM	01/25/88					12.00**	9.79**							142.0**
554.0	Marina Del Rey/Harbor Patrol D	TCM	12/19/88					10.51*	4.93**							73.8*
555.0	Marina Del Rey/Basin G	TCM	01/25/88			1.59*		29.42**	5.62**	6.038*				0.11*		150.4**
555.0	Marina Del Rey/Basin G	TCM	12/19/88					16.64**	3.12**							88.2**
555.2	Marina Del Rey/Basin D	TCM	01/25/88			1.85*		29.08**	5.14**	4.62*	0.06			0.11*		177.9**
556.0	Marina Del Rey/Basin E	TCM	01/25/88			1.58*		13.85**	6.00**	4.86*						123.7**
556.0	Marina Del Rey/Basin E	TCM	12/19/88					13.63**								70.1*
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88				0.53*									
559.0	King Harbor	TCM	12/28/87			1.57*		27.54**	4.94**		0.07*					109.2**
601.0	LA Harbor/National Steel	TCM	12/28/87						3.03**							57.3*
601.0	LA Harbor/National Steel	TCM	12/19/88						2.19*							54.9*
601.0	LA Harbor/National Steel	RBM	01/06/93				0.78*	3.10*								45.0*
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87					6.45*	3.10**	6.858*						79.4**
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88					7.27*		5.10*						57.5*
602.6	LA Harbor/Berth 50	TCM	12/22/89					34.46**								63.7*
602.7	LA Harbor/Pacific Ave/Storm Dr	TCM	12/28/87					5.70*	2.99**							96.9**
602.8	LA Harbor/Berth 49	TCM	12/28/87					40.67**	2.73**							87.3**
602.8	LA Harbor/Berth 49	TCM	12/19/88					48.59**								
602.8	LA Harbor/Berth 49	TCM	12/22/89					17.76**								
602.8	LA Harbor/Berth 49	TCM	12/22/89					17.00**								
602.8	LA Harbor/Berth 49	TCM	12/23/90	130.0*				11.00*								
602.9	LA Harbor/Berth 51	TCM	12/22/89					11.17*								
603.0	LA Harbor/Berth 151	TCM	12/28/87						2.35*							

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
603.6	LA Harbor/Slip 240	TCM	12/28/87					6.50*	2.43*							
603.8	LA Harbor/West Channel	TCM	12/28/87					6.16*	1.85*							
606.2	LA Harbor/Fish Harbor	TCM	12/28/87						2.57*							
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87					19.71**	1.88*							58.7*
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87				0.64*		2.72**							
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88						2.05*							
616.0	La Harbor/Consolidated Slip	TCM	12/22/91			1.60*			2.10*							
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93													45.0*
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90					4.20**								
622.0	LA Harbor/Commer Marine	TCM	12/23/90			1.90*		38.00**			0.06*					110.0**
648.0	Malibu	RBM	12/26/90	190.0**			******							0.76**		
648.0	Malibu	RBM	01/06/93	180.0*										0.47**		
650.0	Santa Monica	RCM	12/19/88					4.56**	1.25*	2.42*						37.0*
650.0	Santa Monica	RBM	12/26/90	140.0*			8.60**							1.30**		
650.0	Santa Monica	RCM	01/06/93	110.0**			2.90**	3.20**	1.10*					0.93*		35.0*
656.0	Manhattan Beach	RCM	12/19/88					2.75**	1.06*							
658.0	Redondo Beach	RCM	12/19/88					3.22**	1.16*							33.7*
662.0	Royal Palms	RCM	12/28/87						1.58*					0.85*		
662.0	Royal Palms	RCM	12/22/89								0.07*			1.26*		38.7*
662.0	Royal Palms	RCM	12/26/90											0.94*		
662.0	Royal Palms	RCM	11/25/91							2.10*				0.57*		
662.0	Royal Palms	RCM	01/05/93				2.30**							0.92*		44.0**
681.0	Catalina Island/West	RCM	09/04/91						2.80**							
682.0	Catalina Island/Ribbon Rock	RCM	09/19/90													36.0*
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	84.0*			6.50**		1.90*	2.10*						
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	130.0*												
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	150.0*												
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	190.0*			2.40**									
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	130.0*												
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	240.0**												
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	160.0*												
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87						2.66*							
713.0	Huntington Harbour/Edinger Str	TCM	12/30/87						2.82**		0.07*					
713.0	Huntington Harbour/Edinger Str	TCM	12/27/89						1.62*							
713.0	Huntington Harbour/Edinger Str	TCM	12/23/90			1.70*										
713.0	Huntington Harbour/Edinger Str	TCM	12/22/91	140.0*												
715.0	Huntington Harbour/Warner Ave	TCM	12/30/87						2.39*							
715.0	Huntington Harbour/Warner Ave	TCM	12/19/88						3.93**	7.948*						
715.0	Huntington Harbour/Warner Ave	TCM	12/27/89						3.45**							
715.0	Huntington Harbour/Warner Ave	TCM	12/23/90						1.70*							

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
715.0	Huntington Harbour/Warner Ave	TCM	12/22/91						1.60*	4.80*						
715.0	Huntington Harbour/Warner Ave	TCM	01/06/93	170.0*			0.72*									55.0*
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87						2.54*	9.638*						56.9*
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88						3.03**	5.54*						
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91					5.00*	2.60*							54.0*
719.1	Santa Ana River/Prado Dam	TFC	04/02/92					11.00*					0.44*			
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	680.0**			2.20*	10.00*	0.38*	12.00*						
719.8	Temescal Creek/Nichols Road	TFC	04/02/92					15.00**			0.04*			0.05**		
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	150.0*										0.11*		
721.0	Newport Bay/Entrance	TCM	12/21/90	130.0*												
723.0	Newport Bay/Bay Island	TCM	12/21/90				1.40**									
723.4	Newport Bay/Turning Basin	TCM	12/21/87						1.60*							
723.4	Newport Bay/Turning Basin	TCM	12/21/90			1.60*										71.0*
723.4	Newport Bay/Turning Basin	TCM	12/22/91													64.0*
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87							5.53*						
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	230.0**		1.90*				7.808*						
725.0	Newport Bay/Crows Nest	TCM	12/21/87						1.98*							65.5*
725.0	Newport Bay/Crows Nest	TCM	12/20/88					8.49*			0.08*					55.2*
725.0	Newport Bay/Crows Nest	TCM	12/27/89					5.80*								
725.0	Newport Bay/Crows Nest	TCM	12/21/90			1.70*		6.40*			0.06*					88.0**
725.0	Newport Bay/Crows Nest	TCM	12/22/91						2.10*		0.06*					74.0**
725.0	Newport Bay/Crows Nest	TCM	01/05/93				2.30**	8.30*								76.0**
726.0	Newport Bay/Rhine Channel/Uppe	TCM	12/21/87					9.11*	1.99*	4.86*						71.7*
726.0	Newport Bay/Rhine Channel/Uppe	TCM	12/20/88					10.77*	1.90*		0.08**					57.9*
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87							5.12*						
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89					9.92*								67.7*
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90				1.10*	5.20*			0.06*					78.0**
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91						2.60*	4.40*	0.07*					70.0*
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93			2.70**	1.40**	11.00*		6.808*	0.06*					98.0**
727.0	Garden Grove/Wintersburg Chann	TFC	01/23/91						0.41**		0.07**					25.0*
727.0	Garden Grove/Wintersburg Chann	TFC	03/17/93					19.00**	0.24*	10.00*	0.05**			0.04**		26.0**
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88			1.03*										
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90						0.22*							24.5*
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91			8.40**										
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90						0.23*							24.2*
728.7	Upper Newport Bay/Drain 4	TFC	03/14/90	479.4**			2.84*	24.01**	0.80**							45.3**
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93					9.70*			0.05*					
728.8	Upper Newport Bay/San Diego Cr	TFC	03/07/88			1.27**										
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90						0.76**							20.6*
730.0	Huntington Beach Pier	RCM	12/26/90	160.0**				2.10**	1.10*	3.50**				0.56*		41.0**

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminun	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
735.0	Corona Del Mar	RCM	12/26/90					1.80*						0.77*		46.0**
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91					12.00**								59.0*
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	200.0*		2.40**		15.00**								110.0**
744.1	San Onofre 1	TCM	01/30/89											0.14*		
744.1	San Onofre 1	TCM	09/27/90											0.26**		
744.1	San Onofre 1	TCM	03/12/91				1.70**							0.15*		
744.1	San Onofre 1	TCM	10/24/91											0.27**		
744.1	San Onofre 1	TCM	03/25/92	130.0*												
744.2	San Onofre 2	TCM	01/30/89											0.13*		
744.2	San Onofre 2	TCM	11/22/89											0.22**		
744.2	San Onofre 2	TCM	10/01/90											0.23**		
744.2	San Onofre 2	TCM	03/12/91											0.12*		
744.2	San Onofre 2	TCM	03/25/92	140.0*									0.63*			
744.3	San Onofre 3	TCM	11/22/89											0.22**		
744.3	San Onofre 3	TCM	04/04/90											0.12*		
744.3	San Onofre 3	TCM	09/27/90											0.27**		
744.3	San Onofre 3	TCM	03/25/92	130.0*												
744.4	San Onofre 4	TCM	01/30/89											0.12*		
744.4	San Onofre 4	TCM	11/22/89											0.35**		
744.4	San Onofre 4	TCM	04/04/90											0.12*		
744.4	San Onofre 4	TCM	03/12/91				1.20**							0.13*		
744.4	San Onofre 4	TCM	10/24/91											0.28**		
744.5	San Onofre 5	TCM	01/30/89											0.12*		
744.5	San Onofre 5	TCM	11/22/89											0.33**		
744.5	San Onofre 5	TCM	04/04/90											0.11*		
744.5	San Onofre 5	TCM	10/01/90											0.23**		
744.5	San Onofre 5	TCM	03/12/91				0.82*							0.18*		
744.6	San Onofre 6	TCM	01/30/89											0.15*		
744.6	San Onofre 6	TCM	11/22/89										0.63*	0.34**		
744.6	San Onofre 6	TCM	04/04/90											0.13*		
744.6	San Onofre 6	TCM	03/12/91		2.50*		0.74*									
744.6	San Onofre 6	TCM	10/24/91											0.17*		
744.6	San Onofre 6	TCM	03/25/92	150.0*												
748.0	Oceanside/Harbor	TCM	12/21/87	123.7*				11.54*								68.3*
748.0	Oceanside/Harbor	TCM	01/05/93			1.70*	1.30**	5.30*								55.0*
748.0	Oceanside/Harbor	TCM	12/21/91					8.50*								
750.0	Oceanside	RCM	12/21/87	85.3*												
750.0	Oceanside	RCM	12/20/88					1.64*							10.24**	
750.0	Oceanside	RCM	12/22/90	140.0**				1.70*		2.60*						
750.0	Oceanside	RCM	12/21/91	130.0**						2.80**			0.56**			

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APPENDIX K (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements Exceeding Elevated Data Levels (EDL)

(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
750.0	Oceanside	RCM	09/09/92	110.0**						2.70**						
832.0	La Jolla	RCM	12/22/90	95.0*										0.90*		
832.0	La Jolla	RCM	01/05/93											0.66*		
838.2	Point Loma/Sunset Cliffs	RCM	12/22/87								0.07*					
838.2	Point Loma/Sunset Cliffs	RCM	12/20/88					1.75*								
838.2	Point Loma/Sunset Cliffs	RCM	12/21/89											3.73**		
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	590.0**			1.50**	7.30**	3.50**	12.00**	0.18**			1.90**		170.0**
838.2	Point Loma/Sunset Cliffs	RCM	11/26/91											0.84*		
838.2	Point Loma/Sunset Cliffs	RCM	09/09/92					1.60*						0.47*		
840.0	Naval Ocean Sys Cntr/Dolphin T	RCM	12/20/88					1.87*								
840.0	Naval Ocean Sys Cntr/Dolphin T	RCM	01/05/93	88.0*				1.70*						0.99*		34.0*
866.0	Fisherman Channel	TCM	12/22/90	140.0*												
868.5	Mission Bay/Landfill 1	TCM	12/22/90	160.0*			1.70**									
868.6	Mission Bay/Landfill 2	TCM	12/21/91	130.0*												
871.0	Mission Bay/South Shore/Rock 2	TCM	01/05/93	170.0*			5.20**									
872.4	Mission Bay/Kendall-Frost Rese	TCM	01/04/93	140.0*			2.00**									
873.5	Mission Bay/Harbor Police	TCM	01/04/93					8.40*								64.0*
881.0	San Diego Bay/Sweetwater Marsh	TCM	12/21/88													57.1*
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	260.0**												58.0*
881.3	Sweetwater River/Mouth 1	TCM	12/21/91			1.60*				6.008*						
881.5	San Diego Bay/Rohr Channel Mou	TCM	01/05/93	210.0**		1.60*				4.70*						
882.0	24th St Maritime Terminal/Sout	TCM	12/22/87					7.85*								
882.0	24th St Maritime Terminal/Sout	TCM	12/21/91							4.40*						
882.2	24Th St Maritime Terminal/Nort	TCM	12/21/88					10.81*		5.75*						
882.2	24Th St Maritime Terminal/Nort	TCM	12/21/89					5.04*								54.5*
882.2	24Th St Maritime Terminal/Nort	TCM	01/05/93	150.0*				8.40*								
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87					5.67*								
882.7	San Diego Bay/Sampson Street P	TCM	12/22/87					22.64**		7.498*	0.07*					77.7**
882.7	San Diego Bay/Sampson Street P	TCM	12/21/88					12.25**								57.5*
882.7	San Diego Bay/Sampson Street P	TCM	01/05/93			1.90*	1.00*	5.40*								
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88					9.85*						0.10		
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91					6.10*		4.40*						
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91			2.00**		7.40*								59.0*
882.9	San Diego Bay/Coronado Brdg/Ea	TCM	12/21/88					12.49**						0.18*		57.8*
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88					8.17*	2.16*	5.78*						64.8*
883.4	San Diego Bay/Continental Mari	TCM	12/21/88					7.75*								
883.4	San Diego Bay/Continental Mari	TCM	01/05/93			1.80*	2.00**									
883.5	San Diego Bay/Tuna Docks	TCM	12/21/88					7.86*								56.1*
883.6	San Diego Bay/7th Street Chann	TCM	12/22/87					6.37*	3.40**	7.418*						92.1**
883.6	San Diego Bay/7th Street Chann	TCM	12/21/88					16.52**	2.63*	10.368*				0.11*		81.4**

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(ppm, wet weight)

Station Number	Station Name	Sample Type+	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
883.7	San Diego Bay/Terminal S-10th	TCM	01/05/93			2.00**		5.00*								
885.2	San Diego Bay/32nd Street	TCM	12/21/88				0.64*	9.37*		4.65*						52.9*
886.2	San Diego Gas&Electric Silverg	TCM	12/21/88					8.95*		5.13*						57.1*
887.0	San Diego Bay/Evans Street	TCM	12/22/90				1.70**	7.20*								64.0*
887.0	San Diego Bay/Evans Street	TCM	12/21/91					5.10*								
887.0	San Diego Bay/Evans Street	TCM	01/05/93			1.70*		7.50*								72.0*
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91					6.80*								56.0*
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93				2.30**									
893.0	San Diego Bay/Laurel Street	TCM	01/05/93				2.60**									
894.0	SD Bay/Harbor Is/E Basin/Storm	TCM	12/22/87				1.37**		3.46**					0.14*		61.6*
894.0	SD Bay/Harbor Is/E Basin/Storm	TCM	12/21/88				0.94*	7.75*	2.93**					0.26**		65.8*
894.0	SD Bay/Harbor Is/E Basin/Storm	TCM	12/21/89				1.15*	5.92*	2.44*					0.20**		61.6*
894.0	SD Bay/Harbor Is/E Basin/Storm	TCM	12/22/90	170.0*		1.70*	******	11.00*	3.00**	6.108*	0.06*			0.29**		69.0*
894.0	SD Bay/Harbor Is/E Basin/Storm	RBM	12/21/91			1.10*	1.30**	4.50**						0.12*		
894.0	SD Bay/Harbor Is/E Basin/Storm	TCM	01/05/93			1.90*	0.79*	6.40*	1.90*					0.19**		69.0*
894.1	SD Bay/Harbor Is/E Basin/Storm	TCM	12/21/88					11.40*								
894.2	SD Bay/Harbor Is/E Basin/E End	TCM	12/21/88				0.65*	6.89*								
894.3	SD Bay/Harbor Is/E Basin/Mid C	TCM	12/21/88				0.76*	4.79*	1.67*							
895.6	San Diego Bay/Grape St Storm D	TCM	01/05/93			1.90*										
897.5	Commercial Basin/North Harbor	TCM	12/22/87					7.08*	1.73*	4.95*	0.07*					109.8**
898.0	Commercial Basin/Carlton Stree	TCM	12/21/88					12.76**			0.07*					
898.0	Commercial Basin/Carlton Stree	TCM	12/21/89					20.86**	1.75*		0.11**					97.2**
898.0	Commercial Basin/Carlton Stree	TCM	01/05/93			2.10**		11.00*			0.08*					94.0**
899.0	San Diego Bay/Shelter Is/Fshg	TCM	01/05/93	130.0*												54.0*
899.2	San Diego Bay/Shelter Island	TCM	01/05/93					24.00**			0.08*					120.0**
899.4	San Diego Bay/Shelter Is/Fuel	TCM	12/22/87					8.28*			0.06*					85.9**
904.0	Imperial Beach/Pier	RCM	12/22/90	130.0**				2.00**		2.50*				0.73*		34.0*

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TFC = Transplanted Fresh water Clam
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* = Equals or exceeds EDL 85.
** = Equals or exceeds EDL 95.

APPENDIX L

Summary of 1987-93 Data

Trace Elements in Mussels, Clams, and Sediment

(ppm, wet weight)

APPENDIX L

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
2.0	Crescent City/STP Outfall	RCM	02/12/88	78.3	NA	0.63	1.01	1.18	0.344	2.05	0.088	NA	NA	0.360	NA	24.67
2.0	Crescent City/STP Outfall	RCM	02/17/89	27.3	NA	0.58	0.31	1.72	0.270	1.04	0.145	NA	NA	0.167	NA	32.59
2.0	Crescent City/STP Outfall	RCM	02/23/90	54.5	NA	0.62	0.44	1.59	0.380	1.62	0.038	NA	NA	0.363	NA	25.88
2.0	Crescent City/STP Outfall	RCM	02/27/90	92.0	NA	0.70	4.20	1.70	0.350	1.80	0.140	NA	NA	0.620	NA	28.00
2.0	Crescent City/STP Outfall	RCM	03/12/92	82.0	NA	0.60	0.39	1.80	0.380	1.40	0.200	NA	NA	0.830	NA	30.00
3.0	Crescent City/Control	RCM	02/12/88	72.7	NA	0.96	0.94	0.93	0.219	2.37	0.047	NA	NA	0.050	NA	26.13
3.0	Crescent City/Control	RCM	02/17/89	41.8	NA	0.70	0.40	1.08	0.170	1.89	0.037	NA	NA	0.004	NA	34.50
3.0	Crescent City/Control	RCM	02/23/90	89.0	NA	0.76	0.56	1.55	0.140	2.73	0.026	NA	NA	0.002	NA	29.10
3.0	Crescent City/Control	RCM	02/27/90	260.0	NA	1.10	9.10	1.80	0.210	4.10	0.050	NA	0.23	0.010	NA	31.00
3.0	Crescent City/Control	RCM	03/12/92	180.0	NA	0.50	0.60	1.80	0.120	2.90	0.040	NA	NA	0.005	NA	21.00
10.0	Trinidad Head	RCM	09/08/87	47.3	NA	1.32	0.63	1.02	0.264	2.27	0.009	NA	NA	0.007	NA	18.00
10.0	Trinidad Head	RCM	09/20/88	54.1	NA	1.09	0.50	1.29	0.130	2.70	0.026	0.53	NA	0.006	9.590	24.34
10.0	Trinidad Head	RCM	09/28/89	77.8	NA	1.32	0.51	1.70	0.134	3.39	0.018	NA	NA	0.005	NA	20.12
10.0	Trinidad Head	RCM	09/18/90	130.0	1.60	1.10	0.53	0.90	0.190	1.90	0.020	0.50	0.23	ND	NA	23.00
10.0	Trinidad Head	RCM	10/08/91	92.0	1.20	1.50	0.45	1.70	0.200	1.70	0.020	0.60	0.44	0.004	NA	25.00
10.0	Trinidad Head	RCM	10/22/92	120.0	NA	1.50	0.45	1.70	0.130	2.30	0.014	NA	NA	0.004	NA	18.00
100.0	Mad River Slough	TCM	02/25/92	180.0	NA	0.60	0.50	1.70	0.180	3.10	0.020	NA	NA	0.004	NA	22.00
101.0	Samoa Bridge/West	TCM	02/27/91	320.0	NA	0.90	6.80	2.00	0.220	4.70	0.040	NA	NA	0.010	NA	32.00
102.0	Samoa Bridge/East	TCM	02/17/89	120.2	NA	0.70	0.70	1.51	0.260	3.88	0.046	NA	NA	0.007	NA	34.29
102.0	Samoa Bridge/East	TCM	02/25/92	210.0	NA	0.90	0.52	1.40	0.290	2.60	0.030	NA	NA	0.004	NA	27.00
103.0	Eureka Channel	TCM	02/17/89	123.9	NA	0.84	0.81	1.51	0.260	3.93	0.035	NA	NA	0.004	NA	31.96
103.0	Eureka Channel	TCM	02/25/92	280.0	NA	0.90	0.70	1.60	0.230	3.60	0.030	NA	NA	0.004	NA	26.00
103.0	Eureka Channel	TCM	02/17/93	290.0	NA	0.68	2.20	1.60	0.230	3.60	0.025	NA	NA	0.002	NA	23.00
103.2	Louisiana Pacific Dock	TCM	02/11/88	200.7	NA	0.72	0.99	0.98	0.287	3.78	0.025	NA	NA	0.008	NA	22.83
103.3	E Street	TCM	02/25/92	260.0	NA	1.10	0.66	1.60	0.380	3.20	0.030	NA	NA	0.004	NA	29.00
103.7	Eda Dock	TCM	02/25/92	150.0	NA	1.00	0.45	1.30	0.370	1.80	0.030	NA	NA	0.003	NA	29.00
104.0	Eureka STP/Outfall	TCM	02/11/88	164.7	NA	0.77	1.05	1.55	0.201	3.47	0.020	NA	NA	0.008	NA	23.30
104.0	Eureka STP/Outfall	TCM	02/23/90	170.6	NA	0.94	0.86	1.66	0.199	3.67	0.028	NA	NA	0.004	NA	29.59
104.0	Eureka STP/Outfall	TCM	02/27/91	360.0	NA	1.00	9.60	2.00	0.250	5.10	0.020	NA	NA	0.010	NA	30.00
104.0	Eureka STP/Outfall	TCM	02/25/92	250.0	NA	0.80	0.58	1.70	0.230	3.50	0.030	NA	NA	0.005	NA	28.00
104.5	Eureka STP/Control	TCM	02/12/88	127.7	NA	0.71	1.00	1.03	0.235	2.97	0.020	NA	NA	0.004	NA	22.97
104.5	Eureka STP/Control	TCM	02/17/89	109.0	NA	0.80	0.73	1.51	0.200	3.59	0.042	NA	NA	0.005	NA	29.21
104.5	Eureka STP/Control	TCM	02/23/90	163.6	NA	0.84	0.72	1.75	0.311	3.68	0.025	NA	NA	0.003	NA	27.83
104.5	Eureka STP/Control	TCM	02/27/91	380.0	NA	0.80	5.90	1.90	0.290	4.80	0.020	NA	NA	0.010	NA	29.00
104.5	Eureka STP/Control	TCM	02/25/92	260.0	NA	0.90	0.60	1.80	0.230	3.70	0.030	NA	NA	0.004	NA	26.00
104.5	Eureka STP/Control	TCM	02/17/93	350.0	NA	0.61	1.50	1.60	0.220	4.10	0.024	NA	NA	0.003	NA	20.00
106.0	Fields Landing	TCM	02/25/92	240.0	NA	1.10	0.57	1.40	0.270	3.00	0.030	NA	NA	0.004	NA	26.00
150.4	Noyo Harbor	SED	03/02/93	19000.0	NA	0.12	42.00	25.00	3.800	220.00	0.040	NA	NA	0.037	NA	68.00
155.1	Lake Pillsbury 1	TFC	03/31/93	310.0	NA	0.06	2.30	6.40	0.050	6.90	0.020	NA	NA	0.010	NA	13.00
155.3	Lake Pillsbury 2	TFC	03/31/93	390.0	NA	0.06	1.10	7.10	0.070	8.40	0.021	NA	NA	0.009	NA	15.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
159.0	Russian River West Fork	TFC	03/20/90	200.5	0.85	0.16	3.13	7.58	0.120	7.73	0.027	NA	0.39	0.007	NA	18.10
159.0	Russian River West Fork	TFC	01/29/91	23.0	NA	0.20	1.20	6.80	0.060	1.40	0.030	NA	NA	ND	NA	14.00
159.0	Russian River West Fork	TFC	03/06/92	460.0	0.80	0.30	2.00	3.30	0.090	6.30	0.030	0.90	0.45	0.040	NA	11.00
159.0	Russian River West Fork	TFC	03/30/93	260.0	NA	0.06	2.10	6.60	0.060	5.40	0.020	NA	NA	0.009	NA	14.00
160.0	Lake Mendocino	RFC	11/30/89	53.0	2.19	0.10	0.67	8.48	0.114	5.20	0.017	NA	0.33	0.011	NA	9.15
165.0	Russian River Below Ukiah	TFC	03/20/90	211.8	0.90	0.19	1.77	8.31	0.314	9.54	0.032	NA	0.37	0.094	NA	19.98
165.0	Russian River Below Ukiah	TFC	03/06/92	520.0	0.50	0.30	1.70	8.50	0.110	12.00	0.020	1.40	0.29	0.021	NA	11.00
165.0	Russian River Below Ukiah	TFC	03/30/93	250.0	NA	0.06	0.60	6.60	0.050	5.60	0.024	NA	NA	0.043	NA	16.00
175.0	Big Sulfur Creek	TFC	03/21/90	314.8	NA	0.70	4.84	24.26	0.413	9.57	NA	NA	NA	0.020	NA	42.02
175.0	Big Sulfur Creek	TFC	01/29/91	110.0	NA	1.00	7.30	42.00	0.240	24.00	0.300	NA	NA	0.030	NA	79.00
175.0	Big Sulfur Creek	TFC	03/30/93	100.0	NA	0.06	0.50	6.70	0.020	3.00	0.018	NA	NA	0.007	NA	13.00
176.0	Lake Sonoma	TFC	03/30/93	120.0	NA	0.06	2.20	6.30	0.030	4.30	0.015	NA	NA	0.010	NA	14.00
190.0	Estero Americano	RCM	12/05/88	32.3	NA	2.15	0.27	1.58	0.100	1.37	0.035	NA	NA	0.009	NA	24.90
190.0	Estero Americano	RCM	02/06/90	54.6	1.66	1.46	0.32	1.44	0.094	1.36	0.030	0.40	0.40	0.010	NA	25.44
190.0	Estero Americano	RCM	01/29/91	110.0	1.40	2.60	0.37	1.50	0.120	1.60	0.040	NA	0.28	0.020	NA	26.00
190.0	Estero Americano	RCM	03/05/92	180.0	1.20	1.40	0.35	1.60	0.090	2.40	0.020	0.50	0.51	0.014	NA	22.00
202.0	Bodega Head	RCM	08/14/87	15.7	NA	1.44	0.53	0.81	0.138	1.01	0.023	0.26	0.47	0.018	5.390	16.57
202.0	Bodega Head	RCM	08/24/88	14.0	1.97	1.87	0.23	1.08	0.100	0.73	0.035	0.26	0.50	0.011	1.080	20.93
202.0	Bodega Head	RCM	08/28/89	5.2	1.81	1.82	0.19	0.91	0.103	0.59	0.028	0.27	0.36	0.008	0.690	19.46
202.0	Bodega Head	RCM	11/14/89	54.9	2.22	1.31	0.26	1.42	0.202	1.56	0.036	0.41	0.45	0.015	2.673	29.84
202.0	Bodega Head	RCM	08/22/90	39.0	1.40	1.80	0.24	0.80	0.170	0.80	0.030	0.40	0.24	0.010	NA	25.00
202.0	Bodega Head	RCM	08/28/91	25.0	1.20	1.90	0.15	1.00	0.110	0.70	0.030	0.30	0.37	0.007	NA	23.00
202.0	Bodega Head	RCM	09/01/92	23.0	2.50	2.00	0.32	0.90	0.170	0.80	0.025	0.27	0.35	0.007	NA	25.00
203.0	Tomales Bay	RBM	01/29/91	220.0	0.70	0.50	0.53	0.80	0.060	5.60	0.020	NA	0.36	ND	NA	10.00
203.0	Tomales Bay	RBM	12/30/91	170.0	0.60	0.60	0.24	0.90	0.040	3.60	0.030	0.60	0.59	0.003	NA	11.00
204.0	Estero De San Antonio	TCM	02/26/93	130.0	NA	1.10	2.50	1.20	0.150	2.30	0.033	NA	NA	0.002	NA	25.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	57.0	NA	0.86	0.29	3.23	0.230	1.37	0.049	NA	NA	0.004	NA	36.70
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	420.0	NA	1.30	0.46	2.70	0.270	2.00	0.060	NA	NA	0.010	NA	38.00
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	7100.0	NA	0.40	98.00	41.00	6.000	120.00	0.110	NA	NA	0.041	NA	64.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	160.0	1.30	1.60	0.35	2.80	0.280	1.40	0.050	0.40	0.55	0.003	NA	36.00
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	260.0	NA	1.30	1.10	2.80	0.380	2.60	0.041	NA	NA	0.002	NA	45.00
207.0	Point Reyes	RCM	01/29/91	40.0	NA	2.60	0.33	1.10	0.200	0.90	0.030	NA	NA	0.080	NA	23.00
280.0	Russian River/S Goat Rock	RCM	12/29/87	104.7	NA	1.17	0.83	1.04	0.122	2.53	0.013	NA	NA	0.013	NA	10.60
280.0	Russian River/S Goat Rock	RCM	12/05/88	55.7	NA	2.32	0.48	1.87	0.100	2.17	0.025	NA	NA	0.005	NA	23.33
280.0	Russian River/S Goat Rock	TCM	02/25/93	180.0	NA	0.96	2.20	1.50	0.110	2.90	0.032	NA	NA	0.006	NA	28.00
290.0	Russian River/near Moscow	TFC	02/08/88	631.0	NA	1.82	5.40	4.19	0.297	22.15	0.026	NA	NA	0.040	NA	13.23
290.0	Russian River/near Moscow	TFC	03/30/93	80.0	NA	0.07	1.60	5.80	0.020	2.90	0.011	NA	NA	0.005	NA	11.00
294.1	Mark West Creek/Slusser Road	TFC	04/07/92	61.0	0.40	0.40	0.57	7.30	0.020	3.10	0.020	0.30	0.34	0.017	NA	8.00
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	190.0	0.50	0.30	0.99	8.40	0.070	21.00	0.070	0.60	0.30	0.014	NA	14.00
294.5	Green Valley Creek 1	TFC	03/30/93	67.0	NA	0.08	2.30	8.50	0.040	3.70	0.012	NA	NA	0.008	NA	18.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
294.6	Green Valley Creek 2	TFC	03/30/93	55.0	NA	0.06	2.00	6.20	0.040	2.90	0.016	NA	NA	0.011	NA	15.00
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	12.6	0.52	0.97	0.09	3.01	0.070	3.55	0.038	0.29	0.36	0.023	0.660	12.70
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	74.7	0.80	0.17	1.05	5.42	0.212	5.67	0.043	0.63	0.30	0.003	NA	20.75
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	75.0	0.90	0.20	0.28	6.10	0.090	10.00	0.030	NA	0.20	ND	NA	16.00
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	3.4	0.48	0.62	0.06	2.81	0.070	2.96	0.011	0.13	0.30	0.013	1.730	9.60
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	122.4	0.89	0.24	1.17	6.76	0.188	20.60	0.038	0.77	0.38	0.004	NA	18.03
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	40.0	0.90	0.20	0.26	6.80	0.040	7.20	0.040	NA	0.23	ND	NA	17.00
295.2	Laguna De Santa Rosa/Stony Point	TFC	04/07/92	110.0	0.80	0.30	1.50	15.00	0.090	3.90	0.040	0.30	0.41	0.031	NA	13.00
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	26.3	0.58	1.03	0.11	3.40	0.050	4.19	0.033	0.34	0.46	0.027	1.270	15.27
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	105.0	0.78	0.19	1.37	5.68	0.072	6.27	0.026	0.96	0.29	0.004	NA	25.15
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	350.0	0.60	0.30	1.70	9.30	0.090	7.40	0.020	1.60	0.32	0.019	NA	11.00
295.4	Russian River/Wholer Bridge	TFC	12/05/88	27.3	0.63	0.91	0.32	6.94	0.050	3.04	0.024	0.51	0.36	0.023	1.390	13.77
295.4	Russian River/Wholer Bridge	TFC	03/20/90	109.4	0.89	0.20	1.28	6.14	0.130	15.27	0.037	0.51	0.35	0.006	NA	15.41
295.4	Russian River/Wholer Bridge	TFC	01/30/91	50.0	0.70	0.30	0.29	6.10	0.040	2.70	0.030	NA	0.21	ND	NA	14.00
295.4	Russian River/Wholer Bridge	TFC	04/07/92	82.0	0.40	0.30	0.61	8.90	0.060	4.20	0.040	0.40	0.36	0.017	NA	15.00
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	91.9	0.58	0.83	0.46	4.02	0.070	7.98	0.043	1.06	0.48	0.023	2.450	16.03
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	99.8	1.03	0.24	1.58	7.01	0.086	6.05	0.026	1.00	0.41	0.007	NA	18.39
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	69.0	0.60	0.30	1.10	9.00	0.040	2.90	0.020	0.50	0.32	0.022	NA	8.00
298.0	Brannan Island	RFC	12/29/87	25.0	NA	0.25	1.16	10.02	0.106	2.38	0.016	NA	0.36	0.023	NA	17.27
298.0	Brannan Island	RFC	12/29/88	73.1	NA	0.40	1.60	16.63	0.110	4.89	0.050	NA	0.50	0.032	NA	26.27
298.3	Concord Naval/Pier 4	TCM	12/08/87	170.7	NA	0.52	0.63	1.19	0.132	4.04	0.014	NA	NA	0.008	NA	12.30
298.4	Concord Naval/Seal Island	TCM	12/08/87	172.0	NA	0.58	0.65	1.27	0.155	3.92	0.022	NA	NA	0.014	NA	14.27
299.1	Selby Slag 4	TCM	01/14/88	49.0	NA	1.82	0.57	1.60	0.248	1.71	0.034	NA	NA	0.019	NA	26.77
299.2	Selby Slag 5	TCM	01/14/88	35.7	NA	0.74	0.37	1.10	0.267	1.35	0.015	NA	NA	0.009	NA	15.77
299.3	Selby Slag 6	TCM	01/14/88	50.7	NA	0.91	0.41	0.92	0.172	1.29	0.017	NA	NA	0.009	NA	16.27
299.4	Selby Slag 7	TCM	01/14/88	32.3	NA	1.03	0.41	0.97	0.154	1.21	0.022	NA	NA	0.014	NA	16.80
300.2	Mare Island	TCM	01/14/88	26.0	NA	0.97	0.27	1.00	0.184	1.19	0.024	NA	0.35	0.010	NA	16.90
300.2	Mare Island	TCM	12/30/88	37.8	NA	0.91	0.22	1.08	0.120	2.37	0.036	NA	0.38	0.010	NA	18.97
301.0	Davis Point	TCM	01/14/88	64.7	NA	0.97	0.38	1.11	0.204	1.45	0.019	NA	NA	0.011	NA	19.03
301.4	Union Oil Outfall	TCM	01/28/88	36.7	NA	1.23	0.34	1.26	0.255	1.48	0.019	NA	1.93	0.076	NA	29.10
301.4	Union Oil Outfall	TCM	12/30/88	56.4	NA	1.37	0.31	1.29	0.240	1.84	0.044	NA	3.10	0.077	NA	35.30
302.0	Point Pinole	TCM	01/14/88	65.3	NA	1.32	0.37	1.14	0.279	1.97	0.029	NA	0.41	0.011	NA	26.33
302.0	Point Pinole	TCM	12/30/88	72.7	NA	1.24	0.36	1.41	0.170	1.82	0.043	NA	0.54	0.013	NA	22.77
302.0	Point Pinole	TCM	02/09/90	92.0	NA	1.56	0.45	1.08	0.363	2.14	0.035	NA	NA	0.009	NA	28.12
302.0	Point Pinole	TCM	01/16/91	230.0	1.20	1.40	0.54	6.70	0.390	2.30	0.040	NA	0.37	0.010	NA	35.00
302.0	Point Pinole	TCM	12/27/91	210.0	1.00	1.30	0.37	1.60	0.230	2.70	0.030	0.40	0.56	0.009	NA	30.00
302.0	Point Pinole	TCM	01/20/93	130.0	1.10	2.00	0.46	1.20	0.350	1.70	0.035	0.42	0.50	0.012	NA	36.00
302.4	Castro Cove Bridge	TCM	01/18/88	69.0	NA	1.04	0.56	1.55	0.621	4.06	0.078	NA	0.56	0.011	NA	23.43
302.4	Castro Cove Bridge	TCM	12/29/88	110.2	NA	1.13	0.58	2.07	0.590	6.32	0.106	NA	0.78	0.015	NA	32.60
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	340.0	1.10	1.40	4.70	2.00	0.470	4.00	0.060	NA	0.33	0.030	NA	38.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
303.3	Lauritzen Canal/End	TCM	03/22/91	230.0	1.10	1.80	1.30	1.40	0.510	5.80	0.040	NA	0.20	0.010	NA	38.00
303.4	Santa Fe Channel/End	TCM	03/22/91	260.0	1.00	1.00	0.92	6.20	0.820	4.90	0.060	NA	0.30	0.030	NA	49.00
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	97.3	NA	1.02	0.50	2.43	0.397	2.46	0.052	NA	NA	0.011	NA	27.80
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	81.9	NA	0.85	0.39	2.82	0.460	2.57	0.077	NA	NA	0.009	NA	33.07
304.4	Serl Intake	TCM	03/22/91	270.0	1.00	1.20	4.70	2.00	0.450	3.70	0.090	NA	0.47	0.030	NA	34.00
304.6	Point Isabel	TCM	01/14/88	131.7	NA	1.11	0.44	1.58	1.393	1.88	0.068	NA	NA	0.013	NA	28.43
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	310.0	1.30	1.10	0.53	2.40	0.480	3.70	0.040	NA	0.53	0.190	NA	34.00
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	240.0	1.10	1.40	0.41	1.90	0.350	2.70	0.030	0.40	0.90	0.087	NA	25.00
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	250.0	1.50	0.99	0.53	1.90	0.580	3.50	0.038	0.55	0.82	0.150	NA	33.00
306.5	Alcatraz Island	TCM	01/05/89	63.0	NA	1.09	0.33	1.93	0.250	2.54	0.055	NA	NA	0.054	NA	32.27
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	229.0	NA	1.32	0.54	2.03	0.273	3.19	0.049	NA	0.86	0.113	NA	29.53
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	87.8	NA	0.98	0.40	2.00	0.220	3.48	0.067	NA	0.98	0.087	NA	30.30
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	102.7	NA	1.33	0.39	1.48	0.380	2.88	0.031	NA	NA	0.118	NA	32.90
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	280.0	1.60	1.40	0.55	2.70	0.430	4.00	0.040	NA	0.61	0.200	NA	35.00
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	280.0	1.10	1.30	0.48	1.90	0.300	3.70	0.040	0.50	0.76	0.092	NA	31.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	110.0	1.40	1.70	0.32	1.50	0.230	2.00	0.028	0.49	0.73	0.130	NA	38.00
307.2	Alameda Yacht Harbor	TCM	01/14/88	135.0	NA	1.82	0.67	3.10	1.530	7.51	0.092	NA	NA	0.024	NA	44.43
307.2	Alameda Yacht Harbor	TCM	12/30/88	77.8	NA	1.17	0.40	2.81	0.840	4.23	0.101	NA	NA	0.015	NA	42.93
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	142.3	NA	1.72	0.76	7.57	4.140	5.10	0.101	NA	NA	0.060	NA	45.03
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	49.8	NA	1.15	0.32	3.78	0.990	3.23	0.097	NA	NA	0.040	NA	40.07
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	180.0	1.20	1.50	0.46	4.30	1.300	4.50	0.040	NA	0.18	0.040	NA	48.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	100.0	1.00	1.60	0.26	2.40	0.590	2.90	0.040	0.30	0.26	0.017	NA	36.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	170.0	1.50	1.80	0.57	2.10	0.540	4.40	0.050	0.52	0.38	0.009	NA	50.00
307.5	Lake Merritt	RBM	05/22/92	60.0	NA	0.80	0.33	1.30	0.880	2.80	0.040	NA	NA	0.003	NA	34.00
307.5	Lake Merritt	RCM	03/16/93	170.0	NA	0.74	0.39	1.90	2.000	8.60	0.034	0.73	NA	0.004	NA	41.00
307.6	Oakland Back Harbor	TCM	01/14/88	116.0	NA	1.26	0.62	2.83	1.423	5.34	0.096	NA	NA	0.023	NA	37.90
307.8	San Francisco Outfall	TCM	12/29/88	52.5	NA	1.16	0.34	2.82	0.390	2.34	0.097	NA	NA	0.172	NA	32.80
307.9	San Francisco/Islais Channel	TCM	01/15/88	88.3	NA	1.03	0.44	1.54	0.690	2.09	0.078	NA	NA	0.317	NA	21.50
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	310.0	1.40	1.20	0.67	1.90	0.370	3.90	0.050	NA	0.37	0.230	NA	31.00
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	220.0	1.00	1.30	0.42	1.50	0.220	3.40	0.030	0.40	0.56	0.084	NA	27.00
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	260.0	NA	1.60	0.64	1.60	0.390	3.20	0.032	0.65	NA	0.110	NA	40.00
308.2	Hunter's Point/Shipyard	TCM	01/15/88	91.7	NA	1.02	0.51	1.80	0.650	2.46	0.045	NA	NA	0.046	NA	24.03
308.2	Hunter's Point/Shipyard	TCM	12/29/88	75.7	NA	1.18	0.42	2.37	0.560	3.04	0.077	NA	NA	0.056	NA	36.00
309.0	San Mateo Bridge/88	TCM	02/09/90	112.8	NA	1.27	0.41	1.49	0.276	2.72	0.056	NA	NA	0.099	NA	26.21
309.0	San Mateo Bridge/88	TCM	01/16/91	190.0	1.30	1.50	0.51	1.10	0.270	2.60	0.040	NA	0.21	0.090	NA	26.00
309.0	San Mateo Bridge/88	TCM	12/16/91	280.0	1.00	1.40	0.47	1.60	0.240	3.50	0.020	0.50	0.47	0.058	NA	28.00
309.0	San Mateo Bridge/88	TCM	02/01/93	280.0	NA	1.80	0.72	1.80	0.380	3.70	0.039	0.70	NA	0.120	NA	38.00
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	200.0	1.20	1.40	1.80	1.20	0.300	3.00	0.030	NA	0.25	0.070	NA	34.00
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	200.0	1.00	1.40	0.37	1.40	0.220	3.80	0.020	0.40	0.42	0.026	NA	28.00
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	300.0	NA	1.50	0.75	1.30	0.360	4.40	0.028	0.69	NA	0.033	NA	30.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/15/88	136.3	NA	1.29	0.53	1.91	0.210	4.79	0.046	NA	NA	0.073	NA	23.87
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	86.5	NA	1.21	0.38	1.22	0.210	5.43	0.068	NA	NA	0.049	NA	25.37
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	350.0	1.20	1.50	0.81	1.30	0.340	6.00	0.050	NA	0.25	0.070	NA	33.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	250.0	1.10	1.50	0.48	1.40	0.230	4.70	0.030	0.40	0.42	0.023	NA	28.00
323.3	Palo Alto Outfall	TCM	12/29/88	47.7	NA	1.28	0.34	1.37	0.170	2.43	0.064	NA	NA	0.074	NA	22.77
323.3	Palo Alto Outfall	TCM	02/09/90	116.9	NA	1.12	0.34	1.68	0.222	5.15	0.092	NA	NA	0.170	NA	23.27
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	270.0	1.00	1.30	0.60	1.80	0.350	7.20	0.050	NA	0.37	0.110	NA	35.00
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	240.0	0.90	1.30	0.41	1.90	0.280	6.30	0.020	0.50	0.39	0.057	NA	26.00
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	130.0	1.30	1.30	0.39	1.90	0.310	4.70	0.033	0.41	1.20	0.120	NA	32.00
336.0	J. Fitzgerald	RCM	01/30/91	92.0	1.60	1.40	0.38	1.20	0.190	1.10	0.040	NA	0.26	0.100	NA	24.00
399.5	San Lorenzo River	SED	01/14/91	44000.0	NA	1.20	32.00	2.20	13.000	98.00	0.020	NA	NA	0.030	NA	14.00
399.7	San Lorenzo River/Felton	SED	12/03/90	49000.0	NA	1.60	12.00	4.30	12.000	130.00	0.020	NA	NA	0.060	NA	36.00
399.7	San Lorenzo River/Felton	TFC	02/16/91	120.0	NA	0.20	2.60	6.60	0.150	12.00	0.040	NA	NA	0.010	NA	15.00
400.2	Younger Lagoon	SED	11/04/92	29000.0	NA	0.02	56.00	1.50	3.900	50.00	0.018	NA	NA	0.020	NA	8.00
400.2	Younger Lagoon	TCM	02/25/93	69.0	NA	1.60	0.29	1.20	0.110	1.40	0.028	NA	NA	0.009	NA	22.00
400.6	Santa Cruz/Natural Bridges	RCM	02/16/88	26.7	NA	0.56	0.38	1.12	0.380	0.66	0.033	NA	NA	0.288	NA	21.00
400.6	Santa Cruz/Natural Bridges	RCM	01/28/89	24.9	NA	0.75	0.19	1.44	0.180	0.73	0.037	NA	NA	0.147	NA	27.90
400.8	Aptos Creek	TFC	01/31/90	133.7	0.95	0.17	1.07	6.32	0.085	17.31	0.037	NA	0.38	0.004	NA	17.84
400.8	Aptos Creek	TFC	10/25/90	46.0	0.80	0.20	0.77	5.90	0.030	8.50	0.020	NA	0.19	ND	NA	12.00
400.8	Aptos Creek	RFC	11/14/90	56.0	1.20	0.20	0.92	7.10	0.040	9.30	0.040	NA	NA	0.010	NA	17.00
400.8	Aptos Creek	RFC	11/26/90	15.0	NA	0.20	0.74	6.20	0.030	2.30	0.030	NA	NA	0.010	NA	13.00
400.8	Aptos Creek	TFC	12/19/91	99.0	0.70	0.30	3.20	8.30	0.020	1.90	0.010	NA	0.28	0.021	NA	8.00
401.1	Santa Cruz/T Dock	TCM	02/08/89	52.3	NA	1.74	0.42	23.73	1.570	2.03	0.110	NA	NA	0.013	NA	94.80
402.1	Azevedo Pond	TCM	02/25/93	130.0	NA	1.70	3.20	1.40	0.380	4.20	0.032	NA	NA	0.008	NA	29.00
402.2	Parson's Slough	TCM	02/25/93	180.0	NA	1.80	1.90	1.80	0.280	2.70	0.034	NA	NA	0.011	NA	30.00
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	180.0	NA	1.10	1.10	1.40	0.180	2.60	0.033	NA	NA	0.010	NA	26.00
403.5	Moss Landing/South Harbor	TCM	02/02/88	90.0	NA	0.95	0.43	2.41	0.330	2.56	0.041	NA	NA	0.006	NA	39.93
403.5	Moss Landing/South Harbor	TCM	01/04/89	53.7	NA	1.35	0.26	2.37	0.240	3.42	0.065	NA	NA	0.002	NA	68.23
404.0	Sandholdt Bridge	RBM	04/07/88	46.0	NA	0.82	0.23	1.13	0.333	4.43	0.031	NA	NA	0.003	NA	51.70
404.0	Sandholdt Bridge	RBM	12/08/88	58.0	NA	0.73	0.23	1.60	0.150	2.06	0.038	NA	NA	0.001	NA	37.87
404.0	Sandholdt Bridge	TCM	01/04/89	44.5	NA	1.29	0.24	2.15	0.180	3.56	0.051	NA	NA	0.004	NA	67.47
404.0	Sandholdt Bridge	RBM	02/27/89	32.2	NA	1.31	0.15	1.51	0.140	1.96	0.042	NA	NA	0.002	NA	44.43
404.0	Sandholdt Bridge	RBM	04/06/89	25.7	NA	1.00	0.14	1.36	0.170	2.11	0.034	NA	NA	0.031	NA	40.10
404.0	Sandholdt Bridge	TCM	02/19/90	124.5	NA	0.98	0.28	1.64	0.312	2.74	0.042	NA	NA	0.001	NA	34.26
404.0	Sandholdt Bridge	TCM	02/04/91	190.0	NA	1.10	0.44	1.60	0.250	2.50	0.030	NA	NA	ND	NA	30.00
404.0	Sandholdt Bridge	TCM	01/28/92	49.0	1.20	1.10	0.30	1.80	0.180	1.60	0.030	0.40	0.47	0.003	NA	27.00
404.0	Sandholdt Bridge	TCM	02/01/93	200.0	1.80	0.99	0.38	1.70	0.240	2.60	0.032	0.38	0.55	0.004	NA	32.00
405.2	Old Salinas River 2	SED	01/27/92	41000.0	NA	0.20	88.00	4.90	8.800	210.00	ND	NA	NA	0.038	NA	29.00
405.2	Old Salinas River 2	TFC	03/16/92	99.0	NA	1.20	0.60	5.00	0.030	3.50	0.010	NA	NA	0.011	NA	8.00
405.3	Old Salinas River 1	SED	01/27/92	34000.0	NA	0.40	110.00	7.00	8.900	270.00	ND	NA	NA	0.041	NA	33.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
405.3	Old Salinas River 1	TFC	03/16/92	110.0	NA	0.30	0.91	5.50	0.030	4.60	0.010	NA	NA	0.012	NA	10.00
405.6	Salinas River Lag 1	SED	01/27/92	32000.0	NA	0.40	82.00	10.00	7.000	280.00	ND	NA	NA	0.054	NA	49.00
405.6	Salinas River Lag 1	TFC	03/16/92	26.0	NA	0.30	0.95	7.20	0.020	1.30	0.020	NA	NA	0.012	NA	10.00
405.7	Salinas River Lag 2	SED	01/27/92	12000.0	NA	0.50	83.00	24.00	16.000	300.00	0.060	NA	NA	0.068	NA	78.00
405.7	Salinas River Lag 2	TFC	03/16/92	390.0	NA	0.30	1.50	9.00	0.170	7.20	0.020	NA	NA	0.020	NA	17.00
414.0	Pacific Grove	RCM	12/19/88	19.0	NA	0.90	0.17	0.91	0.669	0.63	0.019	NA	NA	0.027	NA	27.63
414.0	Pacific Grove	RCM	01/09/89	10.7	2.23	1.39	0.17	1.32	0.490	0.57	0.030	0.38	0.44	0.033	2.820	36.33
414.0	Pacific Grove	RCM	02/08/90	26.9	2.93	1.43	0.16	1.24	0.496	0.68	0.031	0.44	0.39	0.045	3.457	31.49
414.0	Pacific Grove	RCM	02/14/91	22.0	2.40	1.40	0.83	1.00	0.580	0.70	0.020	0.70	0.27	0.050	NA	39.00
414.0	Pacific Grove	RCM	01/31/92	28.0	1.60	2.00	0.19	0.90	0.580	0.50	0.020	0.30	0.35	0.018	NA	34.00
414.0	Pacific Grove	RCM	02/12/93	56.0	2.40	1.50	0.45	0.90	0.500	0.80	0.029	0.59	0.38	0.046	NA	37.00
421.7	Monterey Harbor/Marina	TCM	01/22/88	34.0	NA	1.33	0.37	12.03	2.633	0.60	0.069	NA	NA	0.010	NA	94.63
421.7	Monterey Harbor/Marina	TCM	04/05/89	32.5	NA	1.05	0.36	20.28	1.810	0.81	0.150	NA	NA	0.041	NA	155.90
423.1	Carmel Bay/New Control	RCM	05/25/92	7.0	2.20	1.70	0.23	0.70	0.160	0.50	0.040	0.20	0.37	0.020	NA	26.00
423.2	Carmel STP/Control	TCM	02/16/88	14.7	NA	0.73	0.22	0.77	0.359	0.60	0.025	NA	NA	0.021	NA	15.00
423.2	Carmel STP/Control	TCM	04/13/89	7.7	NA	2.51	0.13	1.53	0.200	0.78	0.040	NA	NA	0.043	NA	25.60
423.3	Carmel River	TCM	04/13/89	20.2	NA	1.65	0.14	1.39	0.210	0.81	0.054	NA	NA	0.102	NA	26.97
423.4	Carmel STP/10m North	RCM	02/16/88	37.3	NA	0.96	0.19	1.08	0.410	1.06	0.017	NA	NA	0.316	NA	19.63
423.4	Carmel STP/10m North	TCM	04/13/89	21.3	NA	1.77	0.20	1.39	0.230	1.00	0.041	NA	NA	0.099	NA	29.60
423.5	Carmel STP/30m South	TCM	02/01/91	45.0	1.30	1.30	0.18	1.10	0.160	0.90	0.010	0.20	0.31	0.010	NA	20.00
423.5	Carmel STP/30m South	TCM	05/14/92	47.0	1.70	1.70	0.14	1.20	0.170	0.90	0.020	0.20	0.65	0.026	NA	25.00
423.6	Carmel STP/10m South	TCM	01/22/88	68.3	NA	1.74	0.35	1.19	0.817	1.09	0.032	NA	NA	0.062	NA	25.43
423.6	Carmel STP/10m South	TCM	04/13/89	25.8	NA	1.75	0.17	1.46	0.350	1.06	0.045	NA	NA	0.102	NA	27.23
423.7	Carmel STP/100m South	TCM	02/01/91	52.0	1.60	1.90	0.21	1.60	0.230	0.90	0.020	0.30	0.38	0.010	NA	30.00
423.7	Carmel STP/100m South	TCM	05/14/92	52.0	1.70	1.70	0.15	1.20	0.200	1.00	0.020	0.20	0.60	0.028	NA	28.00
423.9	Carmel STP/300m South	TCM	02/01/91	38.0	1.70	1.50	0.17	1.10	0.210	0.80	0.020	0.20	0.36	0.020	NA	45.00
423.9	Carmel STP/300m South	TCM	05/14/92	49.0	1.90	1.70	0.15	1.10	0.240	0.90	0.020	0.20	0.70	0.033	NA	28.00
424.5	Granite Canyon/Control	TCM	09/21/88	2.1	NA	0.96	0.42	0.73	0.067	0.32	0.204	NA	NA	0.011	0.350	15.17
425.4	Lake San Antonio/Buoy	TFC	12/08/87	22.7	NA	1.43	0.07	2.33	0.193	8.46	0.008	NA	NA	0.022	NA	8.50
425.6	Lake San Antonio	RFC	10/28/87	28.7	NA	1.66	0.11	2.02	0.123	2.44	0.010	NA	NA	0.024	NA	9.57
425.6	Lake San Antonio	RFC	09/14/88	29.6	0.61	0.94	0.12	2.71	0.070	6.06	0.009	0.66	0.47	0.060	1.950	11.13
425.6	Lake San Antonio	RFC	08/15/89	57.0	NA	2.48	0.16	3.21	0.066	6.10	0.006	NA	1.08	0.017	NA	17.17
425.6	Lake San Antonio	TFC	05/25/92	44.0	0.50	0.90	1.00	8.70	0.030	4.70	0.010	0.30	0.44	0.024	NA	12.00
426.5	Cayucos Pier	TCM	09/24/87	59.3	2.00	1.10	0.58	4.75	0.402	1.59	0.016	0.77	NA	0.009	13.710	26.67
426.5	Cayucos Pier	TCM	12/14/87	66.7	1.90	0.69	0.61	3.19	0.375	1.45	0.026	0.60	NA	0.008	7.390	27.77
426.5	Cayucos Pier	TCM	09/25/88	31.7	2.33	1.04	0.32	2.08	0.050	1.42	0.023	0.68	NA	0.028	7.680	25.77
426.5	Cayucos Pier	TCM	12/20/88	45.2	2.13	0.71	0.49	1.82	0.140	1.53	0.025	0.63	NA	0.034	6.970	28.73
426.5	Cayucos Pier	TCM	02/28/89	64.2	2.00	0.98	0.60	1.41	0.180	1.72	0.031	0.91	NA	0.032	10.130	27.43
426.5	Cayucos Pier	TCM	09/27/89	54.9	2.24	1.82	0.44	1.63	0.030	1.34	0.020	0.89	NA	0.012	4.802	26.44
426.5	Cayucos Pier	TCM	12/12/89	28.5	2.18	1.32	0.37	1.32	0.167	1.31	0.028	0.54	NA	0.020	5.603	28.48

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
426.5	Cayucos Pier	TCM	03/05/90	69.4	1.83	1.04	0.52	1.15	0.209	1.68	0.027	0.86	NA	0.008	7.938	27.79
426.5	Cayucos Pier	TCM	09/03/90	61.0	NA	2.30	0.33	2.00	0.230	1.50	0.020	NA	NA	0.020	NA	28.00
426.5	Cayucos Pier	TCM	11/14/90	110.0	NA	1.00	0.51	1.50	0.160	1.90	0.030	NA	NA	0.020	NA	27.00
426.5	Cayucos Pier	TCM	02/25/91	100.0	1.90	0.70	7.50	1.50	0.190	3.50	0.030	NA	0.35	0.010	NA	31.00
428.0	Cayucos	RCM	09/24/87	49.3	NA	0.78	0.53	0.94	0.275	1.42	0.049	0.77	NA	0.007	4.993	27.40
428.0	Cayucos	RCM	03/14/88	53.7	NA	0.64	0.69	1.60	0.233	1.91	0.055	0.78	NA	0.008	6.810	33.07
428.0	Cayucos	RCM	09/25/88	49.4	NA	0.74	0.50	1.41	0.150	2.04	0.069	0.82	NA	0.035	2.560	25.73
428.0	Cayucos	RCM	02/28/89	54.8	NA	0.61	0.35	1.82	0.140	1.83	0.057	0.92	NA	0.005	3.300	28.30
428.0	Cayucos	RCM	09/27/89	78.1	NA	1.10	0.64	1.46	0.198	2.52	0.044	0.97	NA	0.006	10.146	26.60
428.0	Cayucos	RCM	03/05/90	76.0	NA	0.64	0.54	1.31	0.138	2.00	0.044	1.03	NA	0.003	5.130	26.83
428.0	Cayucos	RCM	09/03/90	110.0	NA	1.00	0.61	1.50	0.160	2.70	0.050	NA	NA	0.010	NA	36.00
428.0	Cayucos	RCM	02/25/91	170.0	NA	0.50	7.90	1.60	0.160	4.00	0.040	NA	NA	0.010	NA	30.00
428.0	Cayucos	RCM	09/09/91	95.0	NA	0.60	0.39	1.30	0.110	1.80	0.040	NA	NA	0.006	NA	21.00
428.0	Cayucos	RCM	02/25/92	120.0	NA	0.50	0.50	1.30	0.120	2.30	0.040	NA	NA	0.004	NA	27.00
429.2	Morro Bay/Boat Works	RBM	03/14/88	56.0	NA	1.19	0.52	1.18	0.219	1.31	0.036	0.62	NA	ND	6.780	22.03
429.2	Morro Bay/Boat Works	TCM	12/19/88	66.5	NA	1.23	0.53	2.42	0.290	1.63	0.049	NA	NA	0.004	NA	25.50
429.2	Morro Bay/Boat Works	TCM	02/02/90	85.9	NA	1.01	0.51	1.90	0.333	1.41	0.024	NA	NA	0.002	NA	26.28
429.2	Morro Bay/Boat Works	TCM	01/20/93	180.0	NA	1.70	1.50	2.80	0.350	2.30	0.061	NA	NA	0.007	NA	35.00
430.0	Montana De Oro	RCM	09/24/87	24.3	2.10	1.12	0.41	1.52	0.223	0.87	0.019	0.52	NA	0.012	2.180	24.43
430.0	Montana De Oro	RCM	12/14/87	43.7	1.70	0.67	0.68	1.85	0.227	1.14	0.021	0.62	NA	0.013	1.960	24.10
430.0	Montana De Oro	RCM	03/14/88	33.3	1.60	0.70	0.52	1.05	0.234	0.85	0.024	0.47	NA	0.012	2.550	22.70
430.0	Montana De Oro	RCM	09/26/88	14.3	2.17	1.19	0.30	1.55	0.130	0.70	0.019	0.44	NA	0.011	1.710	26.57
430.0	Montana De Oro	RCM	12/20/88	17.4	1.87	1.08	0.38	1.75	0.160	0.64	0.019	0.44	NA	0.018	1.360	29.97
430.0	Montana De Oro	RCM	02/28/89	25.5	2.07	0.97	0.40	1.69	0.220	0.78	0.020	0.53	NA	0.021	2.890	29.77
430.0	Montana De Oro	RCM	09/27/89	21.4	2.28	2.03	0.30	1.39	0.007	0.93	0.021	0.44	NA	0.016	3.671	23.62
430.0	Montana De Oro	RCM	12/12/89	21.0	1.95	1.27	0.37	1.17	0.171	0.74	0.021	0.46	NA	0.016	3.104	27.60
430.0	Montana De Oro	RCM	03/05/90	39.2	1.67	1.13	0.45	1.03	0.159	0.91	0.019	0.52	NA	0.009	1.446	25.33
430.0	Montana De Oro	RCM	04/03/90	18.3	2.08	0.91	0.38	1.12	0.140	0.66	0.026	0.43	NA	0.006	0.907	33.68
430.0	Montana De Oro	RCM	09/03/90	42.0	1.70	1.30	0.26	1.20	0.130	0.80	0.020	NA	NA	0.010	NA	26.00
430.0	Montana De Oro	RCM	11/14/90	59.0	1.90	0.90	0.34	1.30	0.140	0.90	0.020	NA	0.18	0.020	NA	28.00
430.0	Montana De Oro	RCM	02/25/91	66.0	1.50	0.80	6.80	1.10	0.120	1.40	0.020	NA	0.20	0.010	NA	24.00
430.0	Montana De Oro	RCM	09/09/91	43.0	1.40	0.70	0.34	1.20	0.100	0.80	0.010	0.30	0.34	0.010	NA	20.00
430.0	Montana De Oro	RCM	12/03/91	66.0	1.40	0.90	0.39	1.40	0.110	1.00	0.010	NA	0.45	0.018	NA	21.00
430.0	Montana De Oro	RCM	02/25/92	23.0	1.80	1.50	0.21	1.60	0.130	1.10	0.010	NA	0.51	0.014	NA	23.00
430.2	Montana De Oro 1	TCM	11/14/90	55.0	1.70	1.00	0.31	1.10	0.120	0.80	0.020	NA	0.19	0.020	NA	28.00
430.2	Montana De Oro 1	TCM	09/10/91	45.0	1.40	0.90	0.29	1.10	0.120	0.70	0.010	NA	NA	0.017	NA	19.00
430.2	Montana De Oro 1	TCM	12/04/91	77.0	1.40	0.70	0.40	1.20	0.150	1.00	0.010	NA	0.43	0.014	NA	26.00
430.4	Montana De Oro 2	TCM	11/14/90	71.0	1.70	0.90	0.33	1.20	0.140	1.00	0.020	NA	0.20	0.020	NA	25.00
430.4	Montana De Oro 2	TCM	09/10/91	48.0	1.60	0.90	0.27	1.20	0.130	0.80	0.010	NA	NA	0.017	NA	21.00
431.0	Lion Rock	RCM	10/05/87	14.3	NA	1.72	0.28	0.96	0.304	0.64	0.084	0.24	NA	0.041	0.970	21.73

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements In Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
431.0	Lion Rock	RCM	03/15/88	41.7	NA	1.01	0.39	0.80	0.300	0.78	0.046	0.32	NA	0.037	3.230	22.57
431.0	Lion Rock	RCM	09/26/88	5.2	NA	2.09	0.26	1.69	0.190	0.51	0.048	0.23	NA	0.055	0.760	24.83
431.0	Lion Rock	RCM	03/01/89	20.3	NA	1.28	0.27	1.34	0.140	0.62	0.055	0.32	NA	0.031	1.350	27.87
431.0	Lion Rock	RCM	09/28/89	15.5	NA	2.05	0.24	0.85	0.070	0.57	0.039	0.24	NA	0.033	1.678	19.97
431.0	Lion Rock	RCM	03/06/90	31.1	NA	1.55	0.31	1.33	0.168	0.94	0.023	0.43	NA	0.032	4.850	38.85
432.0	Pup Rock	RCM	10/05/87	11.3	NA	1.61	0.31	0.93	0.300	0.63	0.262	0.28	NA	0.060	0.880	23.80
432.0	Pup Rock	RCM	03/15/88	33.0	NA	1.01	0.64	0.75	0.266	0.77	0.041	0.35	NA	0.030	1.690	25.10
432.0	Pup Rock	RCM	09/26/88	5.6	NA	1.85	0.26	1.08	0.040	0.40	0.033	0.23	NA	0.064	1.960	21.40
432.0	Pup Rock	RCM	03/01/89	10.4	NA	1.35	0.20	1.62	0.180	0.48	0.130	0.23	NA	0.090	1.070	37.73
432.0	Pup Rock	RCM	09/28/89	10.9	NA	2.44	0.29	1.04	0.173	0.56	0.024	0.31	NA	0.063	0.849	30.39
432.0	Pup Rock	RCM	03/06/90	20.4	NA	1.55	0.31	1.05	0.087	0.68	0.038	0.30	NA	0.024	1.108	34.47
433.0	Diablo Cove/North	RCM	09/25/87	23.7	2.10	1.28	0.37	0.85	0.217	0.86	0.058	0.23	NA	0.051	1.042	17.60
433.0	Diablo Cove/North	RCM	03/15/88	49.3	1.50	0.73	0.48	0.97	0.175	0.82	0.017	0.45	NA	0.029	6.940	24.37
433.0	Diablo Cove/North	RCM	09/26/88	6.9	2.07	1.95	0.15	1.89	0.110	0.67	0.010	0.26	NA	0.023	1.290	20.87
433.0	Diablo Cove/North	RCM	03/01/89	18.7	1.80	0.98	0.23	1.01	0.210	0.52	0.043	0.35	NA	0.029	2.690	29.93
433.0	Diablo Cove/North	RCM	09/28/89	10.1	1.56	1.96	0.26	0.69	0.171	0.56	0.047	0.40	NA	0.048	5.257	26.79
433.0	Diablo Cove/North	RCM	03/06/90	23.4	1.82	1.32	0.27	0.65	0.216	0.60	0.043	0.38	NA	0.030	3.744	36.93
433.0	Diablo Cove/North	RCM	09/04/90	15.0	NA	2.00	0.19	1.00	0.180	0.50	0.040	NA	NA	0.060	NA	29.00
433.0	Diablo Cove/North	RCM	02/26/91	71.0	NA	1.40	0.76	1.10	0.210	0.90	0.040	NA	NA	0.050	NA	33.00
433.0	Diablo Cove/North	RCM	09/09/91	19.0	NA	2.10	0.22	0.90	0.210	0.60	0.030	NA	NA	0.037	NA	31.00
433.0	Diablo Cove/North	RCM	02/26/92	100.0	NA	0.90	0.40	1.10	0.160	1.40	0.030	NA	NA	0.031	NA	30.00
434.0	Diablo Cove/South	RCM	09/25/87	23.0	1.80	1.17	0.32	0.99	0.282	0.66	0.013	0.40	NA	0.036	5.030	24.83
434.0	Diablo Cove/South	RCM	03/15/88	35.0	1.40	1.32	0.55	0.90	0.195	0.72	0.026	0.43	NA	0.057	5.400	27.27
434.0	Diablo Cove/South	RCM	09/26/88	7.6	1.93	1.93	0.23	1.41	0.160	0.50	0.031	0.35	NA	0.037	1.580	24.73
434.0	Diablo Cove/South	RCM	03/01/89	7.5	1.67	1.64	0.25	1.01	0.170	0.39	0.036	0.35	NA	0.029	1.270	27.77
434.0	Diablo Cove/South	RCM	09/28/89	24.7	1.86	2.46	0.32	1.12	0.210	0.59	0.030	0.36	NA	0.060	13.215	23.97
434.0	Diablo Cove/South	RCM	03/06/90	23.2	1.72	1.47	0.32	0.80	0.206	0.55	0.033	0.33	NA	0.025	3.947	29.24
434.0	Diablo Cove/South	RCM	09/04/90	9.0	1.80	1.80	0.21	1.00	0.170	0.50	0.020	NA	NA	0.030	NA	26.00
434.0	Diablo Cove/South	RCM	02/26/91	49.0	1.50	1.60	1.10	1.00	0.160	0.70	0.030	NA	NA	0.030	NA	26.00
434.0	Diablo Cove/South	RCM	09/09/91	20.0	1.50	2.00	0.26	1.00	0.190	0.60	0.020	NA	NA	0.028	NA	25.00
434.0	Diablo Cove/South	RCM	02/26/92	92.0	0.90	0.90	0.39	1.00	0.160	1.00	0.030	NA	0.41	0.031	NA	23.00
435.0	Intake Cove	RCM	09/25/87	25.0	1.50	1.47	0.33	0.85	0.149	0.88	0.009	0.41	NA	0.044	3.800	19.50
435.0	Intake Cove	RCM	03/15/88	39.0	1.30	1.11	0.34	0.76	0.335	0.86	0.012	0.58	NA	0.058	5.200	23.47
435.0	Intake Cove	RCM	09/26/88	6.0	1.93	2.39	0.20	1.24	0.180	0.51	0.020	0.32	NA	0.051	0.450	22.17
435.0	Intake Cove	RCM	03/01/89	17.2	1.60	1.33	0.26	1.18	0.170	0.60	0.020	0.29	NA	0.050	0.900	22.90
435.0	Intake Cove	RCM	09/28/89	17.9	1.95	2.98	0.21	1.10	0.141	0.66	0.015	0.30	NA	0.043	0.371	20.14
435.0	Intake Cove	RCM	03/06/90	58.0	1.71	1.37	0.32	0.94	0.163	0.81	0.018	0.35	NA	0.017	1.137	22.89
435.0	Intake Cove	RCM	09/04/90	10.0	NA	2.20	0.16	1.00	0.120	0.60	0.020	NA	NA	0.030	NA	21.00
435.0	Intake Cove	RCM	02/26/91	71.0	NA	1.50	2.50	1.10	0.140	0.90	0.020	NA	NA	0.030	NA	25.00
435.0	Intake Cove	RCM	09/09/91	15.0	NA	2.30	0.18	1.00	0.180	0.60	0.020	NA	NA	0.031	NA	23.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
435.0	Intake Cove	RCM	02/26/92	86.0	NA	1.10	0.31	1.10	0.170	1.10	0.010	NA	NA	0.028	NA	22.00
436.0	Pecho Rock	RCM	10/05/87	15.3	NA	1.21	0.36	0.84	0.307	0.73	0.033	0.55	NA	0.064	2.450	27.17
436.0	Pecho Rock	RCM	03/15/88	31.7	NA	1.05	0.39	0.78	0.165	0.77	0.055	0.49	NA	0.051	5.290	21.03
436.0	Pecho Rock	RCM	09/26/88	4.9	NA	1.80	0.16	1.63	0.160	0.58	0.085	0.21	NA	0.059	0.490	28.03
436.0	Pecho Rock	RCM	03/01/89	20.1	NA	1.14	0.18	1.76	0.140	0.76	0.078	0.33	NA	0.056	1.790	32.93
436.0	Pecho Rock	RCM	09/28/89	14.2	NA	3.10	0.19	1.48	0.100	0.76	0.041	0.30	NA	0.038	0.825	24.37
436.0	Pecho Rock	RCM	03/06/90	41.0	NA	1.08	0.26	1.13	0.148	0.83	0.079	0.30	NA	0.022	0.884	27.30
437.0	Point San Luis	RCM	09/24/87	20.0	NA	1.01	0.35	0.80	0.198	0.97	0.026	0.47	NA	0.046	3.620	22.73
437.0	Point San Luis	RCM	03/14/88	39.7	NA	0.68	0.39	0.87	0.156	0.90	0.026	0.45	NA	0.030	7.520	21.07
437.0	Point San Luis	RCM	09/25/88	17.4	NA	1.24	0.34	1.11	0.200	0.87	0.056	0.50	NA	0.097	0.780	29.10
437.0	Point San Luis	RCM	02/28/89	17.8	NA	0.85	0.27	1.31	0.220	0.85	0.046	0.54	NA	0.031	4.080	28.23
437.0	Point San Luis	RCM	09/27/89	9.6	NA	1.69	0.32	0.81	0.253	0.68	0.026	0.39	NA	0.056	0.843	27.79
437.0	Point San Luis	RCM	03/05/90	40.7	NA	1.00	0.31	0.97	0.315	0.91	0.025	0.49	NA	0.032	0.552	25.22
437.0	Point San Luis	RCM	09/03/90	24.0	NA	1.50	0.26	1.20	0.180	0.80	0.040	NA	NA	0.040	NA	31.00
437.0	Point San Luis	RCM	02/25/91	67.0	NA	1.10	1.50	1.20	0.240	1.00	0.040	NA	NA	0.030	NA	35.00
437.0	Point San Luis	RCM	09/09/91	27.0	NA	1.00	0.21	0.90	0.180	0.70	0.030	NA	NA	0.015	NA	26.00
437.0	Point San Luis	RCM	02/26/92	110.0	NA	1.00	0.40	1.00	0.210	1.40	0.040	NA	NA	0.025	NA	26.00
438.0	Avila	RCM	09/24/87	35.7	NA	1.36	0.31	1.23	0.206	1.16	0.012	0.45	NA	0.028	5.750	22.87
438.0	Avila	RCM	03/14/88	67.7	NA	0.78	0.44	1.01	0.247	0.99	0.037	0.56	NA	0.055	3.720	21.27
438.0	Avila	RCM	09/25/88	15.3	NA	0.89	0.26	1.24	0.290	0.84	0.043	0.38	NA	0.074	0.810	26.03
438.0	Avila	RCM	02/28/89	20.7	NA	0.76	0.26	1.05	0.360	0.81	0.057	0.55	NA	0.079	2.820	24.83
438.0	Avila	RCM	09/27/89	5.2	NA	1.49	0.20	0.89	0.215	0.83	0.040	0.38	NA	0.085	1.524	23.06
438.0	Avila	RCM	03/05/90	30.6	NA	0.94	0.30	0.99	0.417	0.87	0.052	0.42	NA	0.124	0.307	27.17
438.0	Avila	RCM	09/03/90	32.0	NA	1.40	0.25	1.00	0.300	0.80	0.030	NA	NA	0.070	NA	25.00
438.0	Avila	RCM	02/25/91	87.0	NA	1.30	0.62	1.30	0.470	1.20	0.040	NA	NA	0.210	NA	28.00
438.0	Avila	RCM	09/09/91	36.0	NA	0.90	0.19	1.00	0.240	0.80	0.020	NA	NA	0.043	NA	24.00
438.0	Avila	RCM	02/25/92	96.0	NA	0.70	0.36	1.10	0.230	1.50	0.030	NA	NA	0.035	NA	18.00
440.0	Lion Rock/Transplant	TCM	09/25/87	32.3	1.90	1.24	0.33	1.22	0.113	0.91	0.013	0.36	NA	0.026	6.240	20.40
440.0	Lion Rock/Transplant	TCM	12/15/87	71.7	1.70	0.56	0.49	1.00	0.099	1.17	0.018	0.57	NA	0.025	7.850	19.13
440.0	Lion Rock/Transplant	TCM	09/26/88	14.9	2.07	2.10	0.19	1.29	0.060	0.76	0.017	0.36	NA	0.026	5.000	23.53
440.0	Lion Rock/Transplant	TCM	12/20/88	16.4	1.90	0.72	0.21	1.32	0.130	0.71	0.022	0.32	NA	0.021	1.720	22.07
440.0	Lion Rock/Transplant	TCM	03/01/89	17.6	2.17	0.81	0.25	1.44	0.120	0.76	0.024	0.35	NA	0.021	0.420	26.43
440.0	Lion Rock/Transplant	TCM	09/28/89	16.7	2.09	2.85	0.21	1.38	0.157	0.63	0.021	0.22	NA	0.036	1.853	18.02
440.0	Lion Rock/Transplant	TCM	12/13/89	11.2	2.16	1.20	0.18	1.00	0.182	0.50	0.021	0.16	NA	0.025	0.274	20.08
440.0	Lion Rock/Transplant	TCM	03/06/90	38.1	1.89	0.96	0.32	0.91	0.194	0.86	0.024	0.44	NA	0.011	0.973	29.25
440.0	Lion Rock/Transplant	TCM	09/04/90	24.0	NA	2.40	0.20	1.40	0.200	0.70	0.010	NA	NA	0.030	NA	24.00
440.0	Lion Rock/Transplant	TCM	11/15/90	46.0	NA	1.00	0.24	1.20	0.140	0.90	0.010	NA	NA	0.020	NA	24.00
440.0	Lion Rock/Transplant	TCM	02/26/91	68.0	NA	0.90	2.50	1.10	0.160	1.20	0.020	NA	NA	0.020	NA	28.00
440.0	Lion Rock/Transplant	TCM	09/10/91	29.0	NA	1.30	0.15	1.40	0.110	0.70	0.010	NA	NA	0.029	NA	21.00
440.0	Lion Rock/Transplant	TCM	12/04/91	68.0	NA	0.60	0.29	1.20	0.120	1.00	0.020	NA	NA	0.025	NA	21.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
440.0	Lion Rock/Transplant	TCM	02/26/92	120.0	NA	0.90	0.45	1.00	0.140	1.50	0.020	NA	NA	0.026	NA	24.00
441.0	Lion/Diablo/Transplant	TCM	10/05/87	34.3	NA	1.11	0.31	1.29	0.124	1.04	0.014	0.38	NA	0.027	3.550	19.13
441.0	Lion/Diablo/Transplant	TCM	12/15/87	87.3	NA	0.54	0.53	0.98	0.077	1.27	0.017	0.60	NA	0.019	5.680	18.60
441.0	Lion/Diablo/Transplant	TCM	03/15/88	77.0	NA	0.78	0.47	0.93	0.179	1.16	0.013	0.72	NA	0.023	7.250	22.07
441.0	Lion/Diablo/Transplant	TCM	12/20/88	10.7	NA	0.76	0.20	1.44	0.100	0.65	0.021	0.33	NA	0.018	0.360	24.33
441.0	Lion/Diablo/Transplant	TCM	03/01/89	29.5	NA	1.02	0.29	1.32	0.180	0.86	0.030	0.60	NA	0.025	1.720	33.10
441.0	Lion/Diablo/Transplant	TCM	09/28/89	18.8	NA	1.76	0.21	1.27	0.082	0.66	0.025	0.20	NA	0.037	0.822	19.65
441.0	Lion/Diablo/Transplant	TCM	12/13/89	9.3	NA	1.12	0.21	1.00	0.148	0.52	0.025	0.19	NA	0.024	0.004	20.96
441.0	Lion/Diablo/Transplant	TCM	03/06/90	37.3	NA	0.83	0.33	0.81	0.220	0.72	0.025	0.32	NA	0.013	0.722	26.79
441.0	Lion/Diablo/Transplant	TCM	09/04/90	32.0	NA	2.20	0.26	1.40	0.170	0.80	0.020	NA	NA	0.030	NA	22.00
441.0	Lion/Diablo/Transplant	TCM	11/15/90	50.0	NA	1.00	0.26	1.10	0.140	0.90	0.010	NA	NA	0.020	NA	24.00
441.0	Lion/Diablo/Transplant	TCM	02/26/91	70.0	NA	0.80	0.90	1.10	0.170	1.00	0.020	NA	NA	0.020	NA	28.00
441.0	Lion/Diablo/Transplant	TCM	09/10/91	31.0	NA	1.40	0.23	1.50	0.120	0.90	0.010	NA	NA	0.036	NA	20.00
441.0	Lion/Diablo/Transplant	TCM	12/04/91	67.0	NA	0.80	0.28	1.20	0.140	1.00	0.020	NA	NA	0.021	NA	24.00
441.0	Lion/Diablo/Transplant	TCM	02/26/92	130.0	NA	0.70	0.44	1.10	0.150	1.60	0.020	NA	NA	0.024	NA	22.00
442.0	Diablo Cove/North/Transplant	TCM	10/05/87	23.0	1.80	0.85	0.30	1.09	0.105	0.93	0.015	0.44	NA	0.017	3.070	20.50
442.0	Diablo Cove/North/Transplant	TCM	12/15/87	66.3	1.50	0.71	0.45	0.88	0.166	1.19	0.014	0.78	NA	0.016	7.570	19.60
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	58.3	1.50	0.81	0.49	0.80	0.116	1.15	0.017	0.50	NA	0.026	11.190	21.13
442.0	Diablo Cove/North/Transplant	TCM	09/26/88	8.0	1.73	1.64	0.34	1.02	0.220	0.58	0.055	0.47	NA	0.091	1.460	32.60
442.0	Diablo Cove/North/Transplant	TCM	12/20/88	15.6	1.87	0.78	0.21	1.38	0.120	0.67	0.018	0.34	NA	0.010	2.150	21.47
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	21.3	1.87	0.92	0.28	1.26	0.120	0.73	0.028	0.44	NA	0.018	0.950	23.67
442.0	Diablo Cove/North/Transplant	TCM	09/28/89	21.8	1.97	2.88	0.24	1.21	0.140	0.71	0.020	0.25	NA	0.031	0.285	18.43
442.0	Diablo Cove/North/Transplant	TCM	12/13/89	14.8	2.08	1.10	0.22	0.95	0.172	0.53	0.026	0.19	NA	0.037	0.133	19.97
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	38.2	1.89	0.98	0.32	0.87	0.222	0.80	0.025	0.37	NA	0.007	0.477	28.56
442.0	Diablo Cove/North/Transplant	TCM	09/04/90	17.0	NA	2.30	0.23	1.20	0.200	0.70	0.020	NA	NA	0.030	NA	25.00
442.0	Diablo Cove/North/Transplant	TCM	11/15/90	64.0	NA	0.90	0.25	1.20	0.140	1.00	0.010	NA	NA	0.030	NA	25.00
442.0	Diablo Cove/North/Transplant	TCM	02/26/91	120.0	NA	1.00	1.40	1.20	0.220	1.30	0.020	NA	NA	0.020	NA	33.00
442.0	Diablo Cove/North/Transplant	TCM	09/10/91	26.0	NA	1.30	0.19	1.40	0.130	0.80	0.010	NA	NA	0.020	NA	21.00
442.1	Diablo Cove/N/Transplant/Shallow	TCM	02/26/91	97.0	NA	0.90	1.50	1.10	0.180	1.10	0.020	NA	NA	0.010	NA	32.00
442.1	Diablo Cove/N/Transplant/Shallow	TCM	09/10/91	22.0	NA	1.40	0.19	1.50	0.120	0.80	0.020	NA	NA	0.019	NA	25.00
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	30.0	2.10	0.98	0.31	0.84	0.335	0.95	0.044	0.47	NA	0.078	7.400	21.33
443.0	Diablo Cove/South/Transplant	TCM	12/15/87	75.0	1.50	0.73	0.51	0.98	0.216	1.33	0.017	0.69	NA	0.015	14.520	20.80
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	8.9	2.20	2.58	0.19	1.74	0.080	0.67	0.019	0.44	NA	0.017	0.610	22.23
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	35.6	2.03	1.09	0.37	1.74	0.110	0.94	0.026	0.56	NA	0.016	4.220	24.57
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	34.2	2.09	2.48	0.26	1.27	0.023	0.84	0.018	0.24	NA	0.032	0.587	17.73
443.0	Diablo Cove/South/Transplant	TCM	12/13/89	14.8	2.28	1.38	0.23	0.99	0.149	0.70	0.028	0.21	NA	0.033	0.247	22.97
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	45.9	1.82	1.04	0.36	0.92	0.237	0.89	0.026	0.36	NA	0.009	0.477	32.08
443.0	Diablo Cove/South/Transplant	TCM	11/15/90	56.0	NA	1.00	0.27	1.20	0.170	0.90	0.020	NA	NA	0.020	NA	27.00
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	100.0	2.10	0.90	4.50	1.30	0.190	1.60	0.020	NA	NA	0.020	NA	33.00
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	25.0	1.80	1.50	0.16	1.50	0.130	0.80	0.010	NA	NA	0.025	NA	19.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
443.0	Diablo Cove/South/Transplant	TCM	12/04/91	82.0	NA	0.90	0.31	1.20	0.140	1.10	0.020	NA	NA	0.027	NA	21.00
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	140.0	1.20	0.50	0.42	1.00	0.150	1.70	0.020	NA	0.43	0.017	NA	22.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	80.0	1.70	0.80	2.40	1.10	0.170	1.00	0.020	NA	NA	0.010	NA	33.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	23.0	1.60	1.30	0.17	1.40	0.110	0.70	0.020	NA	NA	0.015	NA	21.00
444.0	Intake Cove/Transplant	TCM	09/25/87	27.7	2.20	0.71	0.28	0.93	0.137	0.60	0.015	0.45	NA	0.018	4.060	24.57
444.0	Intake Cove/Transplant	TCM	12/15/87	54.7	1.50	0.59	0.34	0.78	0.127	0.67	0.011	0.45	NA	0.011	3.290	21.20
444.0	Intake Cove/Transplant	TCM	03/15/88	42.7	1.60	0.58	0.37	0.80	0.209	0.53	0.016	0.42	NA	0.013	2.130	25.40
444.0	Intake Cove/Transplant	TCM	09/26/88	17.4	2.00	0.96	0.21	1.68	0.630	0.72	0.027	0.26	NA	0.014	0.570	30.83
444.0	Intake Cove/Transplant	TCM	12/20/88	15.0	1.73	0.60	0.24	1.50	0.110	0.70	0.025	NA	NA	0.011	0.930	23.60
444.0	Intake Cove/Transplant	TCM	03/01/89	25.1	2.10	0.94	0.34	1.50	0.140	0.80	0.030	0.40	NA	0.013	1.340	33.77
444.0	Intake Cove/Transplant	TCM	09/28/89	25.9	2.19	1.25	0.24	1.22	0.121	0.80	0.030	0.21	NA	0.022	0.303	24.19
444.0	Intake Cove/Transplant	TCM	12/13/89	24.5	1.92	1.19	0.26	1.15	0.177	0.69	0.028	0.21	NA	0.020	0.009	23.33
444.0	Intake Cove/Transplant	TCM	03/06/90	29.8	2.12	0.88	0.36	1.11	0.222	0.78	0.031	0.32	NA	0.025	0.021	34.13
444.0	Intake Cove/Transplant	TCM	09/04/90	22.0	2.00	1.30	0.28	1.40	0.140	0.80	0.020	NA	NA	0.030	NA	30.00
444.0	Intake Cove/Transplant	TCM	02/26/91	120.0	2.00	0.90	0.83	1.60	0.240	1.20	0.020	NA	NA	0.020	NA	34.00
444.0	Intake Cove/Transplant	TCM	09/10/91	42.0	1.90	1.00	0.27	1.60	0.170	0.80	0.020	NA	NA	0.033	NA	25.00
444.0	Intake Cove/Transplant	TCM	12/04/91	54.0	NA	0.60	0.26	1.40	0.160	0.90	0.020	NA	NA	0.034	NA	26.00
444.0	Intake Cove/Transplant	TCM	02/26/92	93.0	1.50	0.50	0.35	1.20	0.150	1.20	0.020	NA	0.42	0.014	NA	24.00
445.0	San Luis Harbor/Transplant	TCM	09/25/87	16.3	2.00	1.16	0.16	1.42	0.142	0.69	0.013	0.65	NA	0.027	3.440	24.13
445.0	San Luis Harbor/Transplant	TCM	12/15/87	81.0	NA	0.61	0.45	1.52	0.220	1.23	0.023	0.36	NA	0.013	7.550	20.50
445.0	San Luis Harbor/Transplant	TCM	03/15/88	78.3	1.80	0.57	0.47	1.38	0.427	1.14	0.022	0.49	NA	0.018	6.460	23.47
445.0	San Luis Harbor/Transplant	TCM	09/26/88	17.7	2.27	1.31	0.31	1.68	0.070	0.76	0.019	0.52	NA	0.017	1.040	27.03
445.0	San Luis Harbor/Transplant	TCM	12/20/88	29.7	1.80	0.74	0.28	1.62	0.150	0.91	0.028	0.37	NA	0.016	1.020	19.73
445.0	San Luis Harbor/Transplant	TCM	03/01/89	10.7	2.73	0.61	0.23	1.80	0.130	1.18	0.032	0.44	NA	0.014	0.450	25.33
445.0	San Luis Harbor/Transplant	TCM	09/28/89	16.5	2.03	1.61	0.23	1.36	0.196	0.81	0.028	0.22	NA	0.023	0.617	24.07
445.0	San Luis Harbor/Transplant	TCM	12/13/89	49.0	2.30	1.28	0.34	1.41	0.197	1.27	0.032	0.33	NA	0.019	1.849	22.73
445.0	San Luis Harbor/Transplant	TCM	03/06/90	69.1	2.19	0.72	0.39	1.13	0.269	1.26	0.054	0.42	NA	0.008	2.619	26.52
445.0	San Luis Harbor/Transplant	TCM	09/04/90	66.0	2.10	1.90	0.25	2.10	0.180	1.10	0.020	NA	NA	0.020	NA	28.00
445.0	San Luis Harbor/Transplant	TCM	11/14/90	95.0	NA	0.90	0.37	1.90	0.180	1.40	0.030	NA	NA	0.010	NA	26.00
445.0	San Luis Harbor/Transplant	TCM	02/25/91	91.0	2.30	0.70	2.10	1.90	0.210	1.60	0.030	NA	NA	0.010	NA	33.00
445.0	San Luis Harbor/Transplant	TCM	09/09/91	73.0	1.70	0.90	0.28	1.80	0.210	1.20	0.020	NA	NA	0.021	NA	22.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	110.0	1.20	0.50	0.40	1.50	0.230	1.60	0.030	NA	0.47	0.009	NA	23.00
446.0	San Luis Obispo Creek 1	TFC	02/26/91	52.0	NA	0.30	1.30	5.30	0.130	2.10	0.020	NA	NA	ND	NA	12.00
446.1	San Luis Obispo/Creek 2	SED	02/25/92	5000.0	NA	0.30	360.00	28.00	5.600	460.00	0.050	NA	NA	0.130	NA	61.00
446.1	San Luis Obispo/Creek 2	TFC	04/09/92	64.0	NA	0.20	1.10	7.00	0.020	3.80	0.020	NA	NA	0.013	NA	7.00
446.2	San Luis Obispo Creek 3	SED	11/14/90	23000.0	NA	1.00	260.00	18.00	14.000	270.00	0.060	NA	NA	1.020	NA	53.00
446.2	San Luis Obispo Creek 3	SED	02/25/92	28000.0	NA	0.50	370.00	16.00	9.200	320.00	0.030	NA	NA	0.160	NA	46.00
446.4	San Luis Obispo/Creek 4	SED	02/25/92	24000.0	NA	0.50	270.00	10.00	8.500	180.00	0.030	NA	NA	0.210	NA	40.00
450.0	Point Conception	RCM	03/20/89	18.6	NA	1.24	0.25	1.74	0.190	0.90	0.045	NA	NA	0.192	NA	41.50
450.0	Point Conception	RCM	12/22/89	15.2	NA	0.92	0.26	0.99	0.211	0.58	0.030	NA	NA	0.039	NA	23.83

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
450.0	Point Conception	RCM	01/04/91	55.0	NA	0.90	0.77	1.40	0.230	0.80	0.030	NA	NA	0.090	NA	35.00
455.0	Gaviota	RCM	01/26/88	30.0	NA	0.58	0.36	1.54	0.149	1.06	0.013	NA	NA	0.111	NA	21.17
455.0	Gaviota	TCM	03/21/89	11.0	NA	1.96	0.17	1.62	0.140	0.78	0.020	NA	NA	0.050	NA	24.80
455.0	Gaviota	RCM	12/22/89	22.0	NA	0.48	0.26	0.96	0.123	0.83	0.017	NA	NA	0.061	NA	24.71
460.0	Goleta Slough 1	TCM	12/18/88	4.8	NA	0.42	0.09	1.20	0.170	1.41	0.018	NA	NA	0.004	NA	25.30
460.0	Goleta Slough 1	SED	09/03/89	7840.0	NA	0.69	24.20	13.89	18.669	123.72	0.032	NA	NA	0.024	NA	50.36
460.0	Goleta Slough 1	SED	11/13/90	52000.0	NA	1.40	78.00	5.10	14.000	130.00	NA	NA	NA	0.060	NA	23.00
460.1	Goleta Slough 2	SED	09/03/89	9035.2	NA	0.55	26.48	13.16	16.443	101.93	0.047	NA	NA	0.018	NA	45.56
460.1	Goleta Slough 2	SED	11/13/90	44000.0	NA	1.30	160.00	8.00	14.000	170.00	NA	NA	NA	0.070	NA	33.00
460.2	Goleta Slough 3	SED	11/13/90	52000.0	NA	1.50	95.00	7.30	13.000	150.00	NA	NA	NA	0.090	NA	23.00
460.3	Goleta Slough 4	SED	11/13/90	35000.0	NA	1.10	66.00	12.00	13.000	130.00	0.020	NA	NA	0.080	NA	38.00
470.0	Santa Barbara Harbor	TCM	01/26/88	37.0	NA	1.15	0.40	17.41	2.550	1.25	0.058	NA	NA	0.011	NA	86.13
470.0	Santa Barbara Harbor	TCM	12/18/88	45.6	NA	1.64	0.40	20.90	1.030	2.72	0.079	NA	NA	0.017	NA	86.87
471.0	Mission Creek	SED	11/13/90	38000.0	NA	1.30	59.00	3.10	13.000	94.00	NA	NA	NA	0.040	NA	15.00
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	36000.0	NA	1.20	87.00	3.00	12.000	150.00	NA	NA	NA	0.050	NA	22.00
480.0	Lake Isabella	RFC	02/09/93	51.0	1.90	0.07	1.50	6.60	0.020	5.10	0.019	1.20	0.25	0.014	NA	15.00
485.0	Ventura Marina	TCM	01/25/88	47.7	NA	1.08	0.34	17.91	1.023	3.62	0.044	NA	NA	0.009	NA	80.33
506.1	Port Hueneme/Wharf B	TCM	01/25/88	88.7	NA	1.00	0.44	17.95	1.323	1.92	0.046	NA	NA	0.012	NA	82.20
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	61.3	NA	0.45	0.18	2.11	0.587	3.09	0.025	NA	NA	0.003	NA	54.50
506.3	Port Hueneme/Entrance	TCM	01/25/88	66.3	NA	0.77	0.30	2.90	0.921	2.03	0.029	NA	NA	0.004	NA	45.93
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	52.6	NA	1.04	0.25	1.74	0.200	3.50	0.030	NA	NA	0.030	NA	25.00
553.0	Marina Del Rey/Entrance	TCM	12/19/88	43.4	NA	0.68	0.30	3.00	3.210	1.48	0.026	NA	NA	0.180	NA	32.70
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	74.3	NA	1.43	0.44	12.00	9.793	4.06	0.050	NA	NA	0.085	NA	141.97
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	40.9	NA	0.79	0.26	10.51	4.930	2.45	0.046	NA	NA	0.071	NA	73.83
555.0	Marina Del Rey/Basin G	TCM	01/25/88	55.0	NA	1.59	0.52	29.42	5.617	6.03	0.036	NA	NA	0.108	NA	150.40
555.0	Marina Del Rey/Basin G	TCM	12/19/88	31.3	NA	1.09	0.31	16.64	3.120	2.94	0.047	NA	NA	0.060	NA	88.23
555.2	Marina Del Rey/Basin D	TCM	01/25/88	57.0	NA	1.85	0.57	29.08	5.143	4.62	0.057	NA	NA	0.109	NA	177.90
556.0	Marina Del Rey/Basin E	TCM	01/25/88	105.0	NA	1.58	0.55	13.85	6.000	4.86	0.040	NA	NA	0.058	NA	123.70
556.0	Marina Del Rey/Basin E	TCM	12/19/88	39.9	NA	1.00	0.28	13.63	1.380	3.44	0.038	NA	NA	0.035	NA	70.10
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	50.7	NA	0.30	0.53	1.10	1.217	1.69	0.022	NA	NA	0.046	NA	24.60
559.0	King Harbor	TCM	12/28/87	25.7	NA	1.57	0.53	27.54	4.943	1.11	0.073	NA	NA	0.035	NA	109.17
601.0	LA Harbor/National Steel	TCM	12/28/87	30.3	NA	1.15	0.46	3.31	3.026	2.46	0.016	NA	NA	0.011	NA	57.27
601.0	LA Harbor/National Steel	TCM	12/19/88	40.7	NA	1.20	0.34	4.26	2.190	3.55	0.041	NA	NA	0.008	NA	54.87
601.0	La Harbor/National Steel	SED	08/29/91	15000.0	NA	1.20	68.00	19.00	68.000	360.00	0.380	NA	NA	0.270	NA	260.00
601.0	La Harbor/National Steel	TCM	12/22/91	54.0	NA	1.40	0.26	2.90	1.300	2.60	0.020	NA	NA	0.010	NA	51.00
601.0	LA Harbor/National Steel	SED	09/10/92	25000.0	NA	0.54	55.00	54.00	79.000	350.00	0.180	NA	NA	0.160	NA	170.00
601.0	LA Harbor/National Steel	RBM	01/06/93	74.0	NA	0.30	0.78	3.10	1.200	2.10	0.030	NA	NA	0.010	NA	45.00
602.0	LA Harbor/West Basin	TCM	12/28/87	39.3	NA	0.87	0.37	4.66	1.517	3.50	0.017	NA	NA	0.008	NA	51.67
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	33.7	NA	1.33	0.51	6.45	3.100	6.85	0.032	NA	NA	0.016	NA	79.40
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	37.8	NA	0.94	0.31	7.27	1.320	5.10	0.035	NA	NA	0.013	NA	57.53

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
602.6	LA Harbor/Berth 50	TCM	12/22/89	50.7	NA	0.74	0.31	34.46	0.675	1.61	0.028	NA	NA	0.029	NA	63.66
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	29.3	NA	1.32	0.44	5.70	2.987	4.08	0.024	NA	NA	0.012	NA	96.93
602.8	LA Harbor/Berth 49	TCM	12/28/87	39.7	NA	0.75	0.55	40.67	2.730	1.97	0.023	NA	NA	0.018	NA	87.27
602.8	LA Harbor/Berth 49	TCM	12/19/88	42.7	NA	0.61	0.40	48.59	1.170	2.05	0.032	NA	NA	0.020	NA	47.93
602.8	LA Harbor/Berth 49	TCM	12/22/89	68.7	NA	0.71	0.33	17.76	1.072	2.16	0.041	NA	NA	0.025	NA	51.48
602.8	LA Harbor/Berth 49	TCM	12/22/89	68.0	NA	0.70	0.33	17.00	1.100	2.20	0.040	NA	NA	0.020	NA	50.00
602.8	LA Harbor/Berth 49	TCM	12/23/90	130.0	NA	1.30	0.40	11.00	1.100	3.10	0.040	NA	NA	0.020	NA	50.00
602.9	LA Harbor/Berth 51	TCM	12/22/89	72.6	NA	0.68	0.32	11.17	1.185	3.26	0.034	NA	NA	0.015	NA	48.29
603.0	LA Harbor/Berth 151	TCM	12/28/87	40.0	NA	0.80	0.40	3.07	2.347	2.66	0.014	NA	NA	0.014	NA	4.38
603.6	LA Harbor/Slip 240	TCM	12/28/87	58.7	NA	1.01	0.61	6.50	2.430	3.29	0.027	NA	NA	0.007	NA	43.40
603.8	LA Harbor/West Channel	TCM	12/28/87	21.7	NA	0.96	0.27	6.16	1.850	2.05	0.014	NA	NA	0.006	NA	46.90
604.5	LA Harbor/Berth 212	TCM	12/19/88	42.4	NA	0.75	0.30	2.51	0.670	3.03	0.029	NA	NA	0.007	NA	40.83
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	45.4	NA	0.76	0.36	3.66	0.990	2.49	0.042	NA	NA	0.010	NA	31.17
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	17.0	NA	0.88	0.34	2.78	2.573	2.13	0.023	NA	NA	0.006	NA	44.10
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	15.3	NA	1.08	0.33	19.71	1.883	2.70	0.031	NA	NA	0.015	NA	58.70
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	22.7	NA	1.07	0.64	1.57	2.720	2.17	0.016	NA	NA	0.006	NA	43.03
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	24.3	NA	1.08	0.41	2.40	2.050	2.61	0.034	NA	NA	0.006	NA	45.20
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	53.0	NA	1.60	0.30	2.10	2.100	2.60	0.020	NA	NA	0.007	NA	47.00
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	87.0	NA	0.44	0.22	1.60	1.200	4.40	0.024	NA	NA	0.005	NA	45.00
618.0	LA Harbor/Angels Gate	TCM	12/23/90	110.0	NA	0.70	0.57	2.70	0.780	2.90	0.030	NA	NA	0.030	NA	41.00
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	66.0	NA	0.30	0.41	4.20	0.320	1.40	0.020	NA	NA	0.010	NA	32.00
622.0	LA Harbor/Commer Marine	TCM	12/23/90	67.0	NA	1.90	0.33	38.00	1.500	3.70	0.060	NA	NA	0.020	NA	110.00
648.0	Malibu	RBM	12/26/90	190.0	NA	0.30	20.00	1.20	0.240	4.00	0.010	NA	NA	0.760	NA	22.00
648.0	Malibu	RBM	01/06/93	180.0	NA	0.38	0.42	1.20	0.220	2.60	0.021	NA	NA	0.470	NA	25.00
648.1	Malibu Lagoon/Channel A	SED	12/22/91	12000.0	NA	0.80	40.00	8.90	15.000	150.00	0.010	NA	NA	0.058	NA	34.00
648.1	Malibu Lagoon/Channel A	SED	09/10/92	12000.0	NA	0.71	39.00	9.20	4.600	140.00	0.013	NA	NA	0.067	NA	28.00
648.3	Malibu Lagoon/Channel C	SED	12/22/91	27000.0	NA	0.50	50.00	8.90	8.300	190.00	0.020	NA	NA	0.055	NA	34.00
648.3	Malibu Lagoon/Channel C	SED	09/10/92	23000.0	NA	0.68	38.00	10.00	5.000	110.00	0.019	NA	NA	0.068	NA	34.00
648.5	Malibu Lagoon/PCH	SED	12/22/91	37000.0	NA	0.50	42.00	8.60	9.200	300.00	ND	NA	NA	0.031	NA	33.00
648.5	Malibu Lagoon/PCH	SED	09/10/92	41000.0	NA	0.61	58.00	9.70	7.200	220.00	0.016	NA	NA	0.042	NA	37.00
650.0	Santa Monica	RCM	12/19/88	47.5	NA	0.26	0.26	4.56	1.250	2.42	0.049	NA	NA	0.213	NA	36.97
650.0	Santa Monica	RBM	12/26/90	140.0	NA	0.20	8.60	1.70	0.830	2.90	0.030	NA	NA	1.300	NA	27.00
650.0	Santa Monica	RCM	01/06/93	110.0	NA	0.12	2.90	3.20	1.100	1.80	0.040	NA	NA	0.930	NA	35.00
656.0	Manhattan Beach	RCM	12/19/88	48.0	NA	0.21	0.24	2.75	1.060	1.74	0.035	NA	NA	0.200	NA	27.50
658.0	Redondo Beach	RCM	12/19/88	21.6	NA	0.20	0.25	3.22	1.160	1.19	0.053	NA	NA	0.193	NA	33.70
662.0	Royal Palms	RCM	12/28/87	26.7	NA	0.52	0.41	1.18	1.579	1.31	0.028	NA	NA	0.851	NA	31.70
662.0	Royal Palms	RCM	12/19/88	13.0	NA	0.37	0.27	1.40	0.420	1.47	0.031	NA	NA	0.167	0.920	28.87
662.0	Royal Palms	RCM	12/22/89	19.7	NA	0.56	0.39	1.31	0.590	1.27	0.071	NA	NA	1.257	NA	38.70
662.0	Royal Palms	RCM	12/26/90	62.0	NA	0.30	0.40	1.20	0.370	1.50	0.030	NA	NA	0.940	NA	29.00
662.0	Royal Palms	RCM	11/25/91	53.0	NA	0.30	0.28	1.40	0.340	2.10	0.020	NA	NA	0.570	NA	28.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements In Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
662.0	Royal Palms	RCM	01/05/93	60.0	NA	0.41	2.30	1.40	0.500	1.80	0.047	NA	NA	0.920	NA	44.00
681.0	Catalina Island/West	RCM	09/04/91	17.0	NA	0.80	0.23	0.70	2.800	0.70	0.020	NA	NA	0.170	NA	26.00
682.0	Catalina Island/Ribbon Rock	RCM	09/19/90	18.0	NA	0.50	0.45	1.10	0.640	1.20	0.010	NA	NA	0.060	NA	36.00
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	84.0	NA	0.66	6.50	1.00	1.900	2.10	0.024	NA	NA	0.210	NA	26.00
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	70.3	NA	0.89	0.31	1.83	1.102	2.26	0.027	NA	NA	0.007	NA	31.90
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	77.8	NA	0.51	0.28	2.34	1.140	2.53	0.033	NA	NA	0.006	NA	27.23
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	70.6	NA	0.71	0.24	1.63	0.917	2.20	0.026	NA	NA	0.004	NA	32.60
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	130.0	NA	0.90	0.39	1.70	0.880	2.60	0.020	NA	NA	0.010	NA	39.00
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	150.0	NA	1.00	0.27	2.10	0.730	2.90	0.030	NA	NA	0.008	NA	33.00
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	73.0	NA	0.82	0.31	1.68	1.215	2.43	0.017	NA	NA	0.010	NA	27.10
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	88.1	NA	0.73	0.25	1.50	0.711	2.18	0.027	NA	NA	0.003	NA	30.19
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	190.0	NA	0.90	2.40	2.10	0.780	2.80	0.020	NA	NA	0.010	NA	45.00
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	130.0	NA	0.90	0.22	1.70	0.550	2.20	0.010	NA	NA	0.005	NA	32.00
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	240.0	NA	1.30	0.43	1.80	0.230	3.00	0.030	NA	NA	0.010	NA	45.00
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	160.0	NA	1.00	0.26	2.10	0.520	3.60	0.020	NA	NA	0.006	NA	36.00
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	54.0	NA	0.62	0.52	1.56	2.659	1.86	0.012	NA	NA	0.006	NA	19.53
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	78.8	NA	0.72	0.35	2.40	1.080	3.33	0.054	NA	NA	0.026	NA	25.03
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	70.8	NA	0.72	0.21	1.95	1.224	1.94	NA	NA	NA	0.002	NA	36.49
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	114.3	NA	1.16	0.44	2.98	2.822	3.34	0.066	NA	NA	0.007	NA	32.40
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	107.6	NA	1.08	0.30	2.53	1.625	3.87	0.023	NA	NA	0.005	NA	42.67
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	85.0	NA	1.70	0.30	1.20	0.710	2.20	0.030	NA	NA	ND	NA	25.00
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	140.0	NA	1.50	0.24	1.90	0.880	4.20	0.030	NA	NA	0.005	NA	38.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	53.3	NA	1.33	0.36	1.43	2.392	4.00	0.033	NA	0.24	0.010	NA	49.87
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	93.8	NA	0.99	0.35	3.51	3.930	7.94	0.042	NA	0.40	0.008	NA	48.87
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	111.1	NA	1.01	0.31	2.16	3.447	3.19	0.018	NA	NA	0.003	NA	50.22
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	86.0	NA	1.20	0.33	1.20	1.700	2.80	0.020	NA	NA	0.010	NA	45.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	120.0	NA	1.30	0.26	1.60	1.600	4.80	0.030	NA	NA	0.005	NA	40.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	170.0	NA	1.30	0.72	2.30	1.500	4.10	0.027	NA	NA	0.015	NA	55.00
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	36.0	NA	1.43	0.39	2.24	2.544	9.63	0.025	NA	NA	0.004	NA	56.93
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	67.1	NA	1.11	0.30	4.39	3.030	5.54	0.045	NA	NA	0.007	NA	46.93
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	110.0	NA	1.00	0.21	5.00	2.600	3.30	0.030	NA	NA	0.006	NA	54.00
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	150.0	0.70	0.30	1.00	11.00	0.140	6.90	0.020	0.20	0.44	0.025	NA	14.00
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	680.0	NA	0.06	2.20	10.00	0.380	12.00	0.029	NA	NA	0.025	NA	19.00
719.8	Temescal Creek/Nichols Road	TFC	04/02/92	160.0	NA	0.40	1.50	15.00	0.090	8.30	0.040	NA	NA	0.046	NA	17.00
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	150.0	NA	0.70	0.28	1.70	0.480	2.00	0.020	NA	NA	0.110	NA	30.00
721.0	Newport Bay/Entrance	TCM	12/21/87	89.0	NA	0.90	0.37	1.45	0.924	1.90	0.019	NA	NA	0.007	NA	26.00
721.0	Newport Bay/Entrance	TCM	12/20/88	27.9	NA	0.87	0.21	1.94	0.560	1.72	0.034	NA	NA	0.006	NA	29.63
721.0	Newport Bay/Entrance	TCM	12/27/89	25.8	NA	0.73	0.18	1.40	0.680	1.06	0.017	NA	NA	0.002	NA	38.01
721.0	Newport Bay/Entrance	TCM	12/21/90	130.0	NA	1.20	0.35	1.70	0.710	2.10	0.030	NA	NA	0.010	NA	43.00
723.0	Newport Bay/Bay Island	TCM	12/21/87	101.0	NA	1.10	0.38	2.26	1.223	3.62	0.019	NA	NA	0.010	NA	45.00

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
723.0	Newport Bay/Bay Island	TCM	12/27/89	46.2	NA	0.69	0.17	2.08	0.788	2.03	0.017	NA	NA	0.001	NA	39.32
723.0	Newport Bay/Bay Island	TCM	12/21/90	110.0	NA	1.00	1.40	1.60	0.780	1.90	0.030	NA	NA	ND	NA	45.00
723.0	Newport Bay/Bay Island	TCM	12/22/91	110.0	NA	1.20	0.21	3.20	0.600	4.00	0.030	NA	NA	0.005	NA	47.00
723.4	Newport Bay/Turning Basin	TCM	12/21/87	34.7	NA	1.38	0.23	2.48	1.597	2.85	0.028	NA	NA	0.010	NA	45.00
723.4	Newport Bay/Turning Basin	TCM	12/20/88	26.7	NA	1.01	0.17	2.97	1.220	3.03	0.040	NA	NA	0.005	NA	38.73
723.4	Newport Bay/Turning Basin	TCM	12/27/89	32.6	NA	1.16	0.23	4.44	1.238	2.29	0.023	NA	NA	0.003	NA	49.81
723.4	Newport Bay/Turning Basin	TCM	12/21/90	49.0	NA	1.60	0.36	2.40	1.100	3.40	0.040	NA	NA	0.030	NA	71.00
723.4	Newport Bay/Turning Basin	TCM	12/22/91	60.0	NA	1.40	0.16	3.70	1.400	3.00	0.030	NA	NA	0.005	NA	64.00
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	117.3	NA	1.56	0.42	1.94	1.166	5.53	0.024	NA	NA	0.007	NA	41.37
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	53.4	NA	0.78	0.17	1.65	0.680	2.27	0.032	NA	NA	0.005	NA	35.98
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	67.0	NA	0.90	0.25	1.61	0.635	2.35	0.020	NA	NA	0.002	NA	43.93
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	58.0	NA	1.40	0.31	1.30	0.540	2.00	0.030	NA	NA	0.010	NA	40.00
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	73.0	NA	1.40	0.17	2.60	0.480	3.20	0.020	NA	NA	0.005	NA	42.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	230.0	NA	1.90	0.48	2.10	0.520	7.80	0.032	NA	NA	0.005	NA	46.00
725.0	Newport Bay/Crows Nest	TCM	12/21/87	51.0	NA	1.52	0.38	4.59	1.983	3.61	0.053	NA	NA	0.008	NA	65.50
725.0	Newport Bay/Crows Nest	TCM	12/20/88	28.0	NA	1.25	0.21	8.49	1.510	2.27	0.079	NA	NA	0.004	NA	55.20
725.0	Newport Bay/Crows Nest	TCM	12/27/89	19.4	NA	0.99	0.17	5.80	1.406	1.69	0.029	NA	NA	0.002	NA	50.61
725.0	Newport Bay/Crows Nest	TCM	12/21/90	58.0	NA	1.70	0.32	6.40	1.300	1.60	0.060	NA	NA	ND	NA	88.00
725.0	Newport Bay/Crows Nest	TCM	12/22/91	61.0	NA	1.40	0.18	3.70	2.100	2.90	0.060	NA	NA	0.007	NA	74.00
725.0	Newport Bay/Crows Nest	TCM	01/05/93	52.0	NA	1.50	2.30	8.30	0.950	3.80	0.046	NA	NA	0.005	NA	76.00
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	74.3	NA	1.53	0.49	9.11	1.991	4.86	0.046	NA	NA	0.009	NA	71.67
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	62.1	NA	1.17	0.27	10.77	1.900	3.85	0.081	NA	NA	0.007	NA	57.90
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	46.3	NA	0.76	0.19	1.65	0.500	3.86	0.032	NA	NA	0.004	NA	28.83
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	104.3	NA	1.05	0.50	1.33	0.957	5.12	0.011	NA	NA	0.008	NA	25.70
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	18.4	NA	1.15	0.18	1.26	0.330	2.08	0.033	NA	NA	0.004	NA	28.57
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	9.6	NA	1.06	0.20	9.92	1.571	2.20	0.030	NA	NA	0.003	NA	67.71
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	23000.0	NA	1.10	25.00	250.00	46.000	140.00	4.800	NA	NA	0.130	NA	130.00
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	83.0	NA	1.50	1.10	5.20	1.200	1.90	0.060	NA	NA	ND	NA	78.00
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	100.0	NA	1.10	0.24	4.10	2.600	4.40	0.070	NA	NA	0.007	NA	70.00
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	49.0	NA	2.70	1.40	11.00	0.940	6.80	0.061	NA	NA	0.011	NA	98.00
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	70.0	NA	0.20	0.85	6.20	0.410	2.70	0.070	NA	NA	ND	NA	25.00
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	100.0	NA	0.15	0.20	19.00	0.240	10.00	0.050	NA	NA	0.043	NA	26.00
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	10.7	NA	1.03	0.07	3.06	0.037	1.89	0.012	NA	NA	0.018	NA	9.43
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	3.8	NA	0.80	0.02	2.79	0.040	1.79	0.026	NA	NA	0.022	NA	9.53
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	202.7	NA	0.23	0.95	7.23	0.218	5.87	0.027	NA	NA	0.004	NA	24.47
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	120.0	NA	8.40	0.71	4.90	0.160	3.80	0.020	NA	NA	0.010	NA	14.00
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	58.0	NA	0.11	0.16	7.00	0.040	2.50	0.019	NA	NA	0.015	NA	11.00
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	200.6	NA	0.21	0.92	7.17	0.226	5.91	0.027	NA	NA	0.005	NA	24.23
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	57.7	NA	0.89	0.12	3.11	0.087	2.14	0.012	NA	NA	0.017	NA	9.93
728.7	Upper Newport Bay/Drain 4	TFC	03/14/90	479.4	NA	0.50	2.84	24.01	0.804	8.59	0.027	NA	NA	0.016	NA	45.28

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	39.0	NA	0.20	0.64	5.20	0.100	2.50	0.020	NA	NA	ND	NA	15.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	89.0	NA	0.15	0.12	9.70	0.090	7.80	0.047	NA	NA	0.024	NA	17.00
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	13.3	NA	1.27	0.13	2.62	0.066	1.08	0.012	NA	NA	0.022	NA	6.87
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	183.4	NA	0.25	1.17	7.15	0.762	6.19	0.034	NA	NA	0.008	NA	20.57
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	40000.0	NA	1.40	2.40	1.80	12.000	75.00	NA	NA	NA	0.030	NA	9.00
730.0	Huntington Beach Pier	RCM	12/26/90	160.0	NA	0.20	0.52	2.10	1.100	3.50	0.020	NA	NA	0.560	NA	41.00
735.0	Corona Del Mar	RCM	12/26/90	62.0	NA	0.40	0.34	1.80	0.860	1.60	0.020	NA	NA	0.770	NA	46.00
735.0	Corona Del Mar	RCM	11/29/91	39.0	NA	0.30	0.16	1.10	0.570	1.30	0.020	NA	NA	0.340	NA	31.00
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	13000.0	NA	0.80	32.00	58.00	12.000	140.00	0.030	NA	NA	0.120	NA	71.00
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	110.0	NA	0.90	0.23	12.00	0.670	1.60	0.030	NA	NA	0.006	NA	59.00
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	200.0	NA	2.40	0.48	15.00	1.000	2.00	0.030	NA	NA	0.009	NA	110.00
744.1	San Onofre 1	TCM	01/30/89	41.5	NA	0.60	0.23	1.64	0.210	1.31	0.037	NA	NA	0.141	NA	25.57
744.1	San Onofre 1	TCM	09/27/90	33.0	1.50	0.40	0.14	1.60	0.140	1.00	0.010	NA	NA	0.260	NA	28.00
744.1	San Onofre 1	TCM	03/12/91	61.0	1.60	0.90	1.70	1.20	0.250	1.20	0.020	NA	NA	0.150	NA	25.00
744.1	San Onofre 1	TCM	10/24/91	81.0	0.90	0.30	0.16	1.20	0.160	1.40	0.010	NA	0.36	0.270	NA	18.00
744.1	San Onofre 1	TCM	03/25/92	130.0	1.40	0.90	0.26	1.30	0.240	1.90	0.020	NA	0.57	0.055	NA	29.00
744.2	San Onofre 2	TCM	01/30/89	52.2	NA	0.67	0.23	1.93	0.090	1.50	0.049	NA	NA	0.125	NA	26.80
744.2	San Onofre 2	TCM	11/22/89	40.1	1.61	0.53	0.15	1.20	0.217	1.14	0.014	0.13	0.43	0.220	2.697	33.41
744.2	San Onofre 2	TCM	10/01/90	42.0	1.70	0.30	0.12	1.60	0.160	1.20	0.010	NA	NA	0.230	NA	32.00
744.2	San Onofre 2	TCM	03/12/91	43.0	1.60	1.00	0.20	1.70	0.280	0.80	0.020	NA	NA	0.120	NA	25.00
744.2	San Onofre 2	TCM	03/25/92	140.0	1.40	0.90	0.22	1.40	0.260	2.10	0.020	NA	0.63	0.079	NA	27.00
744.3	San Onofre 3	TCM	11/22/89	60.2	1.52	0.55	0.16	1.24	0.252	1.20	0.012	0.17	0.49	0.224	3.425	30.21
744.3	San Onofre 3	TCM	04/04/90	45.5	2.08	0.78	0.17	1.18	0.304	1.24	0.022	0.23	0.54	0.123	2.094	26.48
744.3	San Onofre 3	TCM	09/27/90	52.0	1.80	0.40	0.15	1.70	0.170	1.50	0.010	NA	NA	0.270	NA	30.00
744.3	San Onofre 3	TCM	03/12/91	33.0	0.90	0.40	0.13	1.20	0.170	0.60	0.010	NA	NA	0.040	NA	15.00
744.3	San Onofre 3	TCM	03/25/92	130.0	1.40	0.90	0.31	1.40	0.260	2.00	0.020	NA	0.59	0.048	NA	28.00
744.4	San Onofre 4	TCM	01/30/89	35.3	NA	1.03	0.21	1.75	0.240	1.27	0.042	NA	NA	0.119	NA	23.83
744.4	San Onofre 4	TCM	11/22/89	64.7	1.58	0.52	0.19	1.42	0.251	1.32	0.013	0.20	0.56	0.354	3.475	33.59
744.4	San Onofre 4	TCM	04/04/90	33.3	1.99	0.71	0.14	0.99	0.312	1.11	0.019	0.25	0.59	0.117	1.822	26.12
744.4	San Onofre 4	TCM	03/12/91	110.0	1.60	0.70	1.20	1.70	0.300	1.50	0.020	NA	NA	0.130	NA	22.00
744.4	San Onofre 4	TCM	10/24/91	77.0	0.80	0.40	0.15	1.20	0.170	1.30	0.010	NA	0.37	0.280	NA	22.00
744.4	San Onofre 4	TCM	03/25/92	120.0	1.40	0.90	0.20	1.40	0.270	2.20	0.020	NA	0.53	0.049	NA	29.00
744.5	San Onofre 5	TCM	01/30/89	28.1	NA	0.91	0.23	1.99	0.250	1.22	0.047	NA	NA	0.123	NA	25.10
744.5	San Onofre 5	TCM	11/22/89	35.5	1.70	0.60	0.16	1.42	0.228	1.04	0.014	0.15	0.43	0.330	2.320	31.56
744.5	San Onofre 5	TCM	04/04/90	21.5	1.79	0.65	0.10	1.05	0.296	0.93	0.016	0.22	0.50	0.112	1.476	22.87
744.5	San Onofre 5	TCM	10/01/90	44.0	1.60	0.30	0.15	1.70	0.150	1.30	0.010	NA	NA	0.230	NA	30.00
744.5	San Onofre 5	TCM	03/12/91	66.0	2.00	1.00	0.82	1.40	0.280	1.20	0.020	NA	NA	0.180	NA	28.00
744.5	San Onofre 5	TCM	03/25/92	110.0	1.40	1.00	0.19	1.40	0.270	1.90	0.020	NA	0.62	0.055	NA	28.00
744.6	San Onofre 6	TCM	01/30/89	43.9	NA	0.95	0.25	1.58	0.270	1.20	0.036	NA	NA	0.147	NA	25.77
744.6	San Onofre 6	TCM	11/22/89	43.1	1.90	0.52	0.17	1.63	0.225	1.08	0.014	0.16	0.63	0.338	2.439	35.03

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements In Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
744.6	San Onofre 6	TCM	04/04/90	21.0	1.70	0.75	0.15	1.17	0.299	0.98	0.020	0.24	0.49	0.132	1.430	25.69
744.6	San Onofre 6	TCM	09/27/90	54.0	2.00	0.40	0.14	2.00	0.150	1.80	0.010	NA	NA	0.030	NA	30.00
744.6	San Onofre 6	TCM	03/12/91	25.0	2.50	0.90	0.74	1.60	0.290	1.40	0.020	NA	NA	0.010	NA	28.00
744.6	San Onofre 6	TCM	10/24/91	76.0	0.80	0.40	0.16	1.20	0.190	1.40	0.010	NA	0.45	0.170	NA	21.00
744.6	San Onofre 6	TCM	03/25/92	150.0	1.50	0.90	0.31	1.40	0.240	2.20	0.020	NA	0.61	0.071	NA	26.00
748.0	Oceanside/Harbor	TCM	12/21/87	123.7	NA	1.49	0.47	11.54	1.350	3.24	0.055	NA	NA	0.012	NA	68.30
748.0	Oceanside/Harbor	TCM	01/05/93	89.0	NA	1.70	1.30	5.30	0.460	1.20	0.027	NA	NA	0.006	NA	55.00
748.0	Oceanside/Harbor	TCM	12/21/91	71.0	NA	1.40	0.17	8.50	0.380	1.70	0.040	NA	NA	0.005	NA	50.00
750.0	Oceanside	RCM	12/21/87	85.3	NA	0.23	0.37	1.07	0.226	1.69	0.014	NA	NA	0.148	NA	22.67
750.0	Oceanside	RCM	12/20/88	55.2	NA	0.29	0.25	1.64	0.230	1.60	0.015	NA	NA	0.080	10.240	22.87
750.0	Oceanside	RCM	12/21/89	42.8	NA	0.31	0.14	0.86	0.223	1.07	0.017	NA	NA	0.037	NA	32.10
750.0	Oceanside	RCM	12/22/90	140.0	1.60	0.20	0.33	1.70	0.240	2.60	0.020	NA	NA	0.130	NA	31.00
750.0	Oceanside	RCM	12/21/91	130.0	1.00	0.20	0.20	1.50	0.150	2.80	0.010	NA	0.56	0.095	NA	23.00
750.0	Oceanside	RCM	09/09/92	110.0	NA	0.14	0.21	1.30	0.120	2.70	0.007	NA	NA	0.030	NA	21.00
751.0	Oceanside/Transplant	SED	12/22/90	40000.0	NA	1.30	19.00	220.00	39.000	260.00	2.400	NA	NA	0.050	NA	82.00
832.0	La Jolla	RCM	12/22/90	95.0	NA	0.30	0.28	1.10	0.520	1.20	0.040	NA	NA	0.900	NA	22.00
832.0	La Jolla	RCM	11/26/91	56.0	NA	0.20	0.14	0.90	0.340	1.10	0.020	NA	NA	0.360	NA	21.00
832.0	La Jolla	RCM	01/05/93	30.0	NA	0.27	0.20	0.90	0.310	0.60	0.028	NA	NA	0.660	NA	27.00
838.2	Point Loma/Sunset Cliffs	RCM	12/22/87	49.3	NA	0.30	0.31	1.51	0.601	1.08	0.073	NA	NA	0.171	NA	27.80
838.2	Point Loma/Sunset Cliffs	RCM	12/20/88	36.1	NA	0.26	0.18	1.75	0.410	1.14	0.048	NA	NA	0.200	NA	26.23
838.2	Point Loma/Sunset Cliffs	RCM	12/21/89	35.5	NA	0.31	0.19	1.40	0.446	1.04	0.033	NA	NA	3.730	NA	29.93
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	590.0	NA	1.40	1.50	7.30	3.500	12.00	0.180	NA	NA	1.900	NA	170.00
838.2	Point Loma/Sunset Cliffs	RCM	11/26/91	54.0	NA	0.10	0.12	1.20	0.240	1.30	0.030	NA	NA	0.840	NA	20.00
838.2	Point Loma/Sunset Cliffs	RCM	09/09/92	57.0	NA	0.13	0.19	1.60	0.290	1.30	0.029	NA	NA	0.470	NA	25.00
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	12/20/88	41.8	NA	0.30	0.23	1.87	0.280	1.51	0.044	NA	NA	0.168	NA	30.33
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	01/05/93	88.0	NA	0.14	0.26	1.70	0.240	1.80	0.043	NA	NA	0.990	NA	34.00
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	11.9	NA	0.93	0.16	0.80	0.197	1.51	0.016	NA	NA	0.002	NA	21.91
866.0	Fisherman Channel	SED	09/03/90	18000.0	NA	1.10	23.00	19.00	12.000	350.00	0.020	NA	NA	0.040	NA	38.00
866.0	Fisherman Channel	TCM	12/22/90	140.0	NA	0.90	0.27	1.60	0.390	2.10	0.030	NA	NA	0.010	NA	31.00
868.5	Mission Bay/Landfill 1	SED	09/01/89	10820.3	NA	0.27	14.95	8.17	8.438	163.71	0.011	NA	NA	0.018	NA	29.49
868.5	Mission Bay/Landfill 1	TCM	12/21/89	80.7	NA	1.01	0.21	1.24	0.251	1.43	0.021	NA	NA	0.007	NA	30.52
868.5	Mission Bay/Landfill 1	SED	09/03/90	44000.0	NA	1.40	31.00	10.00	13.000	520.00	NA	NA	NA	0.040	NA	54.00
868.5	Mission Bay/Landfill 1	TCM	12/22/90	160.0	NA	0.80	1.70	1.90	0.310	2.10	0.030	NA	NA	0.010	NA	31.00
868.5	Mission Bay/Landfill 1	TCM	12/21/91	110.0	NA	0.90	0.23	1.50	0.210	2.60	0.020	NA	NA	0.009	NA	23.00
868.6	Mission Bay/Landfill 2	SED	09/03/90	31000.0	NA	1.00	39.00	14.00	13.000	560.00	NA	NA	NA	0.050	NA	67.00
868.6	Mission Bay/Landfill 2	TCM	12/21/91	130.0	NA	0.90	0.20	1.60	0.220	1.90	0.030	NA	NA	0.008	NA	26.00
871.0	Mission Bay/South Shore/Rock 2	TCM	01/05/93	170.0	NA	1.10	5.20	1.50	0.260	2.30	0.020	NA	NA	0.020	NA	30.00
872.4	Mission Bay/Kendall-Frost Reserve	TCM	01/04/93	140.0	NA	1.50	2.00	1.70	0.530	2.20	0.032	NA	NA	0.009	NA	29.00
873.5	Mission Bay/Harbor Police	TCM	01/04/93	88.0	NA	1.50	0.24	8.40	0.580	1.80	0.023	NA	NA	0.008	NA	64.00
881.0	San Diego Bay/Sweetwater Marsh	TCM	12/21/88	110.5	NA	0.86	0.26	4.09	0.470	3.73	0.037	NA	NA	0.041	NA	57.14

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
881.3	Sweetwater River/Mouth 1	SED	09/07/90	45000.0	NA	1.70	24.00	22.00	15.000	470.00	0.030	NA	NA	0.140	NA	76.00
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	260.0	NA	1.00	0.33	2.60	0.490	2.90	0.040	NA	NA	0.070	NA	58.00
881.3	Sweetwater River/Mouth 1	SED	08/31/91	12000.0	NA	0.20	32.00	26.00	17.000	270.00	0.090	NA	NA	0.450	NA	120.00
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	120.0	NA	1.60	0.19	3.40	0.450	6.00	0.030	NA	NA	0.029	NA	47.00
881.4	Sweetwater River/Mouth 2	SED	08/31/91	43000.0	NA	0.10	23.00	6.70	6.000	520.00	ND	NA	NA	0.044	NA	47.00
881.5	San Diego Bay/Rohr Channel Mouth	TCM	01/05/93	210.0	NA	1.60	0.35	3.60	0.470	4.70	0.023	NA	NA	0.051	NA	49.00
882.0	24th St Maritime Terminal/South	TCM	12/22/87	107.3	NA	1.01	0.38	7.85	0.641	4.33	0.025	NA	NA	0.048	NA	42.37
882.0	24th St Maritime Terminal/South	TCM	12/21/91	92.0	1.00	1.30	0.22	4.70	0.380	4.40	0.030	0.20	0.36	0.033	NA	38.00
882.2	24Th St Maritime Terminal/North	TCM	12/21/88	76.2	NA	0.79	0.37	10.81	0.670	5.75	0.033	NA	NA	0.083	NA	43.60
882.2	24Th St Maritime Terminal/North	SED	09/01/89	13841.2	NA	0.67	23.79	947.76	28.944	95.10	0.037	NA	NA	0.369	NA	165.08
882.2	24Th St Maritime Terminal/North	TCM	12/21/89	54.1	NA	1.34	0.29	5.04	0.056	3.24	0.035	NA	NA	0.057	NA	54.48
882.2	24Th St Maritime Terminal/North	TCM	01/05/93	150.0	NA	1.50	0.30	8.40	0.520	3.40	0.029	NA	NA	0.044	NA	47.00
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	66.0	NA	1.10	0.38	5.67	1.019	2.80	0.026	NA	NA	0.037	NA	43.23
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	40.7	NA	1.52	0.37	22.64	1.503	7.49	0.070	NA	NA	0.062	NA	77.73
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	32.5	NA	1.27	0.36	12.25	1.070	4.09	0.041	NA	NA	0.067	NA	57.47
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	64.0	NA	1.90	1.00	5.40	0.580	2.00	0.033	NA	NA	0.029	NA	44.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	54.9	NA	1.11	0.37	9.85	1.040	4.27	0.045	NA	NA	0.098	NA	51.73
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	82.0	NA	1.20	0.22	6.10	0.650	4.40	0.030	NA	NA	0.036	NA	47.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	57.0	NA	2.00	0.23	7.40	0.780	3.60	0.040	NA	0.30	0.035	NA	59.00
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	66.3	NA	1.25	0.48	12.49	1.410	4.16	0.035	NA	NA	0.182	NA	57.80
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	49.3	NA	1.07	0.50	8.17	2.160	5.78	0.038	NA	NA	0.069	NA	64.83
883.4	San Diego Bay/Continental Maritime	TCM	12/21/88	45.0	NA	1.03	0.33	7.75	0.820	4.27	0.034	NA	NA	0.075	NA	41.53
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	58.0	NA	1.80	2.00	3.90	0.640	2.40	0.031	NA	NA	0.027	NA	48.00
883.5	San Diego Bay/Tuna Docks	TCM	12/21/88	53.3	NA	1.12	0.37	7.86	0.960	3.54	0.055	NA	NA	0.077	NA	56.10
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	58.3	NA	1.21	0.35	6.37	3.398	7.41	0.021	NA	NA	0.051	NA	92.13
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	80.7	NA	1.06	0.48	16.52	2.630	10.36	0.035	NA	NA	0.109	NA	81.37
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	20000.0	NA	1.10	38.00	78.00	23.000	260.00	0.220	NA	NA	0.570	NA	110.00
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	19000.0	NA	0.20	38.00	93.00	21.000	210.00	0.210	NA	NA	0.740	NA	110.00
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	55.0	NA	2.00	0.35	5.00	0.940	1.70	0.041	NA	NA	0.035	NA	50.00
885.2	San Diego Bay/32nd Street	TCM	12/21/88	47.4	NA	1.09	0.64	9.37	0.660	4.65	0.030	NA	NA	0.086	NA	52.87
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	40.7	NA	1.20	0.39	8.95	0.940	5.13	0.044	NA	NA	0.088	NA	57.10
887.0	San Diego Bay/Evans Street	SED	09/07/90	11000.0	NA	0.80	42.00	160.00	42.000	130.00	0.570	NA	NA	0.800	NA	230.00
887.0	San Diego Bay/Evans Street	TCM	12/22/90	92.0	NA	1.50	1.70	7.20	0.820	3.50	0.050	NA	NA	0.050	NA	64.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	75.0	NA	1.20	0.23	5.10	0.900	4.20	0.030	NA	NA	0.041	NA	48.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	100.0	NA	1.70	0.35	7.50	1.000	3.90	0.040	NA	NA	0.047	NA	72.00
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	85.0	NA	1.40	0.27	6.80	0.910	4.20	0.030	NA	NA	0.048	NA	56.00
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	40.0	NA	1.30	2.30	2.90	0.420	3.00	0.030	NA	NA	0.019	NA	37.00
891.0	San Diego Bay/G Street Pier	TCM	12/22/87	88.7	NA	1.09	0.32	2.83	1.137	2.44	0.032	NA	NA	0.040	NA	52.13
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	41.0	NA	1.50	2.60	3.20	0.640	1.40	0.025	NA	NA	0.055	NA	38.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	60.3	NA	1.32	1.37	4.61	3.465	3.01	0.027	NA	NA	0.137	NA	61.63

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APPENDIX L (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	74.2	NA	1.38	0.94	7.75	2.930	3.59	0.035	NA	NA	0.258	NA	65.83
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/01/89	8880.8	NA	6.80	8.17	87.67	101.465	563.86	0.138	NA	NA	0.032	NA	255.78
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	66.0	NA	1.20	1.15	5.92	2.437	2.02	0.032	NA	NA	0.203	NA	61.59
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	47000.0	NA	5.40	55.00	77.00	160.000	150.00	0.250	NA	NA	0.920	NA	250.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	170.0	NA	1.70	22.00	11.00	3.000	6.10	0.060	NA	NA	0.290	NA	69.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	20000.0	NA	4.60	420.00	46.00	140.000	180.00	0.190	NA	NA	1.500	NA	450.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	71.0	NA	1.10	1.30	4.50	1.900	2.70	0.030	NA	NA	0.120	NA	40.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	76.0	NA	1.90	0.79	6.40	1.900	2.60	0.037	NA	NA	0.190	NA	69.00
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	54.2	NA	0.77	0.42	11.40	0.330	3.89	0.051	NA	NA	0.082	NA	52.33
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	46.4	NA	0.79	0.65	6.89	1.290	2.91	0.043	NA	NA	0.090	NA	51.53
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	52.8	NA	1.07	0.76	4.79	1.670	1.75	0.035	NA	NA	0.086	NA	44.43
894.8	Laurel Street Storm Drain	TCM	12/21/88	54.9	NA	1.10	0.44	3.48	1.350	2.14	0.029	NA	NA	0.097	NA	43.93
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	38.0	NA	1.90	0.20	2.80	0.640	1.60	0.031	NA	NA	0.078	NA	48.00
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	58.3	NA	1.35	0.40	7.08	1.726	4.95	0.070	NA	NA	0.025	NA	109.83
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	37.4	NA	0.78	0.27	12.76	1.190	1.77	0.074	NA	NA	0.053	NA	46.33
898.0	Commercial Basin/Carlton Street	TCM	12/21/89	53.8	NA	0.87	0.24	20.86	1.753	3.02	0.107	NA	NA	0.048	NA	97.17
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	57.0	NA	2.10	0.29	11.00	1.300	2.20	0.078	NA	NA	0.024	NA	94.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	44.9	NA	0.96	0.41	1.71	0.570	1.23	0.032	NA	NA	0.041	NA	32.67
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/89	54.0	NA	0.86	0.21	1.95	0.660	1.50	0.030	NA	NA	0.012	NA	42.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	89.0	1.10	1.10	0.25	2.50	0.620	2.30	0.030	0.10	0.32	0.021	NA	44.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	130.0	NA	1.50	0.28	2.60	0.670	1.70	0.036	NA	NA	0.017	NA	54.00
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	80.0	NA	1.50	0.29	24.00	0.930	1.90	0.076	NA	NA	0.041	NA	120.00
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	53.0	NA	1.29	0.31	8.28	1.077	2.27	0.064	NA	NA	0.019	NA	85.90
901.0	San Diego Bay/Degausing Station	SED	09/07/90	5500.0	NA	1.70	19.00	6.00	16.000	180.00	NA	NA	NA	0.060	NA	33.00
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	120.0	NA	0.90	0.29	2.40	0.510	3.30	0.020	NA	NA	0.037	NA	41.00
904.0	Imperial Beach/Pier	RCM	12/22/90	130.0	NA	0.20	0.30	2.00	0.410	2.50	0.030	NA	NA	0.730	NA	34.00

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APPENDIX M

Summary of 1987-93 Data

Trace Elements in Mussels, Clams, and Sediment

(ppm, dry weight)

APPENDIX M

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
2.0	Crescent City/STP Outfall	RCM	02/12/88	466.54	NA	3.89	6.29	7.31	2.13	12.73	0.55	NA	NA	2.236	NA	153.21
2.0	Crescent City/STP Outfall	RCM	02/17/89	113.75	NA	2.42	1.29	7.17	1.13	4.33	0.60	NA	NA	0.696	NA	135.79
2.0	Crescent City/STP Outfall	RCM	02/23/90	363.27	NA	4.13	2.90	10.61	2.53	10.79	0.25	NA	NA	2.420	NA	172.50
2.0	Crescent City/STP Outfall	RCM	02/27/90	700.00	NA	5.50	32.00	13.00	2.70	14.00	1.10	NA	NA	4.700	NA	210.00
2.0	Crescent City/STP Outfall	RCM	03/12/92	540.00	NA	3.90	2.60	12.00	2.50	9.30	1.30	NA	NA	5.500	NA	200.00
3.0	Crescent City/Control	RCM	02/12/88	412.88	NA	5.45	5.32	5.26	1.24	13.47	0.27	NA	NA	0.282	NA	148.48
3.0	Crescent City/Control	RCM	02/17/89	199.19	NA	3.33	1.90	5.14	0.81	9.00	0.18	NA	NA	0.019	NA	164.29
3.0	Crescent City/Control	RCM	02/23/90	489.21	NA	4.15	3.06	8.54	0.77	14.98	0.14	NA	NA	0.011	NA	159.88
3.0	Crescent City/Control	RCM	02/27/90	1600.00	NA	6.70	56.00	11.00	1.30	25.00	0.28	NA	1.40	0.040	NA	190.00
3.0	Crescent City/Control	RCM	03/12/92	1100.00	NA	3.00	3.70	11.00	0.72	18.00	0.27	NA	NA	0.028	NA	130.00
10.0	Trinidad Head	RCM	09/08/87	216.14	NA	6.01	2.87	4.64	1.21	10.38	0.04	NA	NA	0.032	NA	82.19
10.0	Trinidad Head	RCM	09/20/88	208.08	NA	4.19	1.92	4.96	0.50	10.38	0.10	2.04	NA	0.023	36.88	93.62
10.0	Trinidad Head	RCM	09/28/89	336.62	NA	5.70	2.20	7.35	0.58	14.66	0.08	NA	NA	0.020	NA	87.12
10.0	Trinidad Head	RCM	09/18/90	830.00	10.00	7.10	3.30	5.80	1.20	12.00	0.14	3.40	1.40	0.030	NA	140.00
10.0	Trinidad Head	RCM	10/08/91	550.00	7.20	8.90	2.70	10.00	1.20	10.00	0.13	3.50	2.60	0.023	NA	150.00
10.0	Trinidad Head	RCM	10/22/92	590.00	NA	7.10	2.20	8.40	0.63	11.00	0.07	NA	NA	0.019	NA	86.00
100.0	Mad River Slough	TCM	02/25/92	1300.00	NA	4.60	3.60	12.00	1.30	22.00	0.17	NA	NA	0.029	NA	160.00
101.0	Samoa Bridge/West	TCM	02/27/91	1900.00	NA	5.50	40.00	12.00	1.30	28.00	0.22	NA	NA	0.040	NA	190.00
102.0	Samoa Bridge/East	TCM	02/17/89	601.00	NA	3.50	3.50	7.55	1.30	19.40	0.23	NA	NA	0.035	NA	171.45
102.0	Samoa Bridge/East	TCM	02/25/92	1600.00	NA	7.10	4.10	11.00	2.30	20.00	0.20	NA	NA	0.035	NA	210.00
103.0	Eureka Channel	TCM	02/17/89	538.83	NA	3.65	3.52	6.57	1.13	17.09	0.15	NA	NA	0.017	NA	138.96
103.0	Eureka Channel	TCM	02/25/92	1900.00	NA	5.90	4.80	11.00	1.60	25.00	0.20	NA	NA	0.026	NA	180.00
103.0	Eureka Channel	TCM	02/17/93	2000.00	NA	4.70	15.00	11.00	1.60	25.00	0.17	NA	NA	0.013	NA	160.00
103.2	Louisiana Pacific Dock	TCM	02/11/88	1238.68	NA	4.45	6.08	6.05	1.77	23.31	0.15	NA	NA	0.048	NA	140.95
103.3	E Street	TCM	02/25/92	1800.00	NA	7.30	4.50	11.00	2.60	22.00	0.22	NA	NA	0.026	NA	200.00
103.7	Eda Dock	TCM	02/25/92	1100.00	NA	7.20	3.30	9.70	2.70	13.00	0.24	NA	NA	0.024	NA	210.00
104.0	Eureka STP/Outfall	TCM	02/11/88	1062.37	NA	4.95	6.79	10.00	1.30	22.41	0.13	NA	NA	0.054	NA	150.32
104.0	Eureka STP/Outfall	TCM	02/23/90	1046.51	NA	5.77	5.30	10.17	1.22	22.54	0.17	NA	NA	0.027	NA	181.52
104.0	Eureka STP/Outfall	TCM	02/27/91	2200.00	NA	6.00	58.00	12.00	1.50	31.00	0.15	NA	NA	0.050	NA	180.00
104.0	Eureka STP/Outfall	TCM	02/25/92	1400.00	NA	4.30	3.30	9.80	1.30	20.00	0.15	NA	NA	0.031	NA	160.00
104.5	Eureka STP/Control	TCM	02/12/88	802.93	NA	4.48	6.27	6.48	1.48	18.68	0.12	NA	NA	0.023	NA	144.45
104.5	Eureka STP/Control	TCM	02/17/89	473.78	NA	3.48	3.17	6.57	0.87	15.61	0.18	NA	NA	0.022	NA	127.00
104.5	Eureka STP/Control	TCM	02/23/90	974.04	NA	5.00	4.28	10.39	1.85	21.92	0.15	NA	NA	0.017	NA	165.68
104.5	Eureka STP/Control	TCM	02/27/91	2200.00	NA	4.90	34.00	11.00	1.70	28.00	0.14	NA	NA	0.030	NA	170.00
104.5	Eureka STP/Control	TCM	02/25/92	1600.00	NA	5.50	3.70	11.00	1.40	23.00	0.18	NA	NA	0.023	NA	160.00
104.5	Eureka STP/Control	TCM	02/17/93	2200.00	NA	3.90	9.60	9.90	1.40	26.00	0.15	NA	NA	0.016	NA	130.00
106.0	Fields Landing	TCM	02/25/92	1700.00	NA	7.90	4.00	9.80	1.90	21.00	0.21	NA	NA	0.031	NA	180.00
150.4	Noyo Harbor	SED	03/02/93	44000.00	NA	0.29	100.00	59.00	8.90	510.00	0.09	NA	NA	0.088	NA	160.00
155.1	Lake Pillsbury 1	TFC	03/31/93	2400.00	NA	0.50	18.00	50.00	0.37	54.00	0.16	NA	NA	0.076	NA	100.00
155.3	Lake Pillsbury 2	TFC	03/31/93	2800.00	NA	0.45	7.60	51.00	0.47	60.00	0.15	NA	NA	0.066	NA	110.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
159.0	Russian River West Fork	TFC	03/20/90	1591.00	6.73	1.27	24.81	60.19	0.95	61.34	0.21	NA	3.10	0.058	NA	143.69
159.0	Russian River West Fork	TFC	01/29/91	300.00	NA	2.10	15.00	88.00	0.72	18.00	0.40	NA	NA	0.060	NA	180.00
159.0	Russian River West Fork	TFC	03/06/92	4900.00	8.90	3.60	21.00	35.00	1.00	68.00	0.28	9.60	4.80	0.430	NA	120.00
159.0	Russian River West Fork	TFC	03/30/93	1800.00	NA	0.44	15.00	46.00	0.40	38.00	0.14	NA	NA	0.066	NA	99.00
160.0	Lake Mendocino	RFC	11/30/89	306.48	12.67	0.55	3.87	48.99	0.66	30.08	0.10	NA	1.93	0.064	NA	52.90
165.0	Russian River Below Ukiah	TFC	03/20/90	1735.74	7.37	1.52	14.48	68.11	2.57	78.17	0.26	NA	3.00	0.774	NA	163.76
165.0	Russian River Below Ukiah	TFC	03/06/92	8000.00	7.90	4.00	26.00	130.00	1.70	190.00	0.34	22.00	4.40	0.320	NA	170.00
165.0	Russian River Below Ukiah	TFC	03/30/93	1700.00	NA	0.40	4.10	45.00	0.33	38.00	0.16	NA	NA	0.290	NA	110.00
175.0	Big Sulfur Creek	TFC	03/21/90	1052.99	NA	2.35	16.19	81.14	1.38	32.01	NA	NA	NA	0.067	NA	140.53
175.0	Big Sulfur Creek	TFC	01/29/91	630.00	NA	5.70	43.00	250.00	1.40	140.00	1.80	NA	NA	0.160	NA	470.00
175.0	Big Sulfur Creek	TFC	03/30/93	880.00	NA	0.54	4.30	57.00	0.13	26.00	0.15	NA	NA	0.063	NA	110.00
176.0	Lake Sonoma	TFC	03/30/93	900.00	NA	0.46	16.00	45.00	0.23	31.00	0.11	NA	NA	0.075	NA	100.00
190.0	Estero Americano	RCM	12/05/88	190.18	NA	12.65	1.59	9.29	0.59	8.06	0.21	NA	NA	0.053	NA	146.47
190.0	Estero Americano	RCM	02/06/90	308.63	9.40	8.24	1.80	8.14	0.53	7.66	0.17	2.25	2.27	0.054	NA	143.74
190.0	Estero Americano	RCM	01/29/91	580.00	7.60	14.00	2.00	7.90	0.64	8.70	0.20	NA	1.50	0.130	NA	140.00
190.0	Estero Americano	RCM	03/05/92	890.00	6.30	7.00	1.80	8.30	0.46	12.00	0.11	2.50	2.60	0.071	NA	110.00
202.0	Bodega Head	RCM	08/14/87	78.73	NA	7.25	2.66	4.09	0.69	5.09	0.12	1.31	2.38	0.092	27.08	83.25
202.0	Bodega Head	RCM	08/24/88	100.00	14.07	13.36	1.64	7.71	0.71	5.21	0.25	1.86	3.57	0.079	7.71	149.50
202.0	Bodega Head	RCM	08/28/89	34.32	12.00	12.04	1.28	6.00	0.68	3.88	0.18	1.82	2.37	0.050	4.57	128.90
202.0	Bodega Head	RCM	11/14/89	280.22	11.33	6.68	1.32	7.24	1.03	7.95	0.19	2.08	2.30	0.077	13.64	152.22
202.0	Bodega Head	RCM	08/22/90	280.00	10.00	13.00	1.70	5.50	1.20	6.00	0.22	2.60	1.70	0.070	NA	180.00
202.0	Bodega Head	RCM	08/28/91	140.00	6.50	11.00	0.87	5.50	0.62	3.90	0.16	1.70	2.10	0.042	NA	130.00
202.0	Bodega Head	RCM	09/01/92	140.00	15.00	12.00	1.90	5.60	1.00	4.50	0.15	1.60	2.10	0.039	NA	150.00
203.0	Tomales Bay	RBM	01/29/91	2100.00	6.80	5.10	5.00	7.40	0.52	53.00	0.21	NA	3.40	0.020	NA	90.00
203.0	Tomales Bay	RBM	12/30/91	1200.00	4.40	4.00	1.70	6.60	0.26	25.00	0.19	3.90	4.10	0.021	NA	76.00
204.0	Estero De San Antonio	TCM	02/26/93	1000.00	NA	8.90	20.00	9.60	1.20	18.00	0.26	NA	NA	0.017	NA	200.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	335.29	NA	5.06	1.71	19.00	1.35	8.06	0.29	NA	NA	0.024	NA	215.88
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	2300.00	NA	7.00	2.50	15.00	1.50	11.00	0.31	NA	NA	0.030	NA	210.00
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	19000.00	NA	1.10	260.00	110.00	16.00	330.00	0.29	NA	NA	0.110	NA	170.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	1000.00	8.50	10.00	2.20	18.00	1.80	8.60	0.29	2.60	3.50	0.020	NA	230.00
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	1500.00	NA	7.80	6.70	16.00	2.20	15.00	0.24	NA	NA	0.014	NA	260.00
207.0	Point Reyes	RCM	01/29/91	260.00	NA	17.00	2.10	7.10	1.30	5.60	0.21	NA	NA	0.510	NA	150.00
280.0	Russian River/S Goat Rock	RCM	12/29/87	513.07	NA	5.75	4.09	5.10	0.60	12.40	0.06	NA	NA	0.064	NA	51.96
280.0	Russian River/S Goat Rock	RCM	12/05/88	293.32	NA	12.21	2.53	9.84	0.53	11.42	0.13	NA	NA	0.026	NA	122.79
280.0	Russian River/S Goat Rock	TCM	02/25/93	1200.00	NA	6.50	15.00	10.00	0.74	20.00	0.22	NA	NA	0.044	NA	190.00
290.0	Russian River/near Moscow	TFC	02/08/88	4780.30	NA	13.81	40.89	31.74	2.25	167.83	0.20	NA	NA	0.303	NA	100.25
290.0	Russian River/near Moscow	TFC	03/30/93	600.00	NA	0.50	12.00	43.00	0.18	22.00	0.08	NA	NA	0.039	NA	83.00
294.1	Mark West Creek/Slusser Road	TFC	04/07/92	1000.00	7.10	6.60	9.30	120.00	0.35	50.00	0.32	4.30	5.50	0.280	NA	130.00
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	2500.00	6.80	4.10	13.00	110.00	0.96	270.00	0.87	7.90	4.00	0.180	NA	190.00
294.5	Green Valley Creek 1	TFC	03/30/93	410.00	NA	0.48	14.00	52.00	0.24	23.00	0.07	NA	NA	0.049	NA	110.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
294.6	Green Valley Creek 2	TFC	03/30/93	420.00	NA	0.48	15.00	47.00	0.28	22.00	0.12	NA	NA	0.080	NA	110.00
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	140.00	5.78	10.78	1.00	33.44	0.78	39.44	0.42	3.22	4.00	0.256	7.33	141.11
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	732.25	7.87	1.71	10.32	53.12	2.08	55.63	0.43	6.17	2.90	0.033	NA	203.40
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	890.00	11.00	2.40	3.30	73.00	1.10	120.00	0.32	NA	2.40	0.040	NA	190.00
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	37.78	5.33	6.89	0.67	31.22	0.78	32.89	0.12	1.44	3.33	0.144	19.22	106.67
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	1055.37	7.65	2.09	10.06	58.26	1.62	177.59	0.32	6.63	3.25	0.031	NA	155.45
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	360.00	7.80	2.00	2.30	61.00	0.33	65.00	0.33	NA	2.10	0.030	NA	150.00
295.2	Laguna De Santa Rosa/Stony Point	TFC	04/07/92	1300.00	9.40	3.40	17.00	170.00	1.00	46.00	0.47	4.10	4.80	0.360	NA	150.00
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	376.14	8.29	14.71	1.57	48.57	0.71	59.86	0.47	4.86	6.57	0.386	18.14	218.14
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	1250.52	9.23	2.29	16.30	67.61	0.86	74.66	0.31	11.39	3.43	0.043	NA	299.39
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	5700.00	9.30	5.50	28.00	150.00	1.50	120.00	0.37	26.00	5.20	0.300	NA	180.00
295.4	Russian River/Wholer Bridge	TFC	12/05/88	682.50	15.75	22.75	8.00	173.50	1.25	76.00	0.60	12.75	9.00	0.575	34.75	344.25
295.4	Russian River/Wholer Bridge	TFC	03/20/90	976.57	7.95	1.83	11.40	54.83	1.16	136.32	0.33	4.55	3.10	0.054	NA	137.59
295.4	Russian River/Wholer Bridge	TFC	01/30/91	570.00	8.20	3.00	3.30	70.00	0.49	31.00	0.29	NA	2.40	0.050	NA	160.00
295.4	Russian River/Wholer Bridge	TFC	04/07/92	900.00	4.80	3.20	6.70	98.00	0.66	46.00	0.46	4.00	4.00	0.190	NA	170.00
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	1837.40	11.60	16.60	9.20	80.40	1.40	159.60	0.86	21.20	9.60	0.460	49.00	320.60
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	779.86	8.03	1.84	12.37	54.74	0.67	47.23	0.20	7.85	3.23	0.053	NA	143.67
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	1900.00	12.00	5.40	20.00	170.00	0.81	55.00	0.36	10.00	6.10	0.410	NA	150.00
298.0	Brannan Island	RFC	12/29/87	287.36	NA	2.91	13.37	115.13	1.22	27.36	0.18	NA	4.10	0.268	NA	198.47
298.0	Brannan Island	RFC	12/29/88	811.89	NA	4.44	17.78	184.78	1.22	54.33	0.56	NA	5.56	0.356	NA	291.89
298.3	Concord Naval/Pier 4	TCM	12/08/87	2031.74	NA	6.15	7.48	14.17	1.57	48.06	0.17	NA	NA	0.095	NA	146.43
298.4	Concord Naval/Seal Island	TCM	12/08/87	2123.45	NA	7.16	8.01	15.68	1.91	48.40	0.27	NA	NA	0.169	NA	176.13
299.1	Selby Slag 4	TCM	01/14/88	382.81	NA	14.19	4.47	12.53	1.94	13.36	0.26	NA	NA	0.148	NA	209.12
299.2	Selby Slag 5	TCM	01/14/88	409.96	NA	8.47	4.26	12.64	3.07	15.48	0.18	NA	NA	0.103	NA	181.23
299.3	Selby Slag 6	TCM	01/14/88	633.33	NA	11.37	5.07	11.50	2.15	16.13	0.22	NA	NA	0.112	NA	203.33
299.4	Selby Slag 7	TCM	01/14/88	389.56	NA	12.37	4.96	11.65	1.86	14.58	0.27	NA	NA	0.165	NA	202.41
300.2	Mare Island	TCM	01/14/88	325.00	NA	12.12	3.42	12.54	2.30	14.83	0.30	NA	4.37	0.120	NA	211.25
300.2	Mare Island	TCM	12/30/88	539.57	NA	13.00	3.14	15.43	1.71	33.86	0.51	NA	5.43	0.143	NA	271.00
301.0	Davis Point	TCM	01/14/88	680.70	NA	10.18	4.02	11.65	2.15	15.23	0.20	NA	NA	0.116	NA	200.35
301.4	Union Oil Outfall	TCM	01/28/88	390.07	NA	13.08	3.59	13.37	2.72	15.74	0.20	NA	20.57	0.809	NA	309.57
301.4	Union Oil Outfall	TCM	12/30/88	805.29	NA	19.57	4.43	18.43	3.43	26.29	0.63	NA	44.29	1.100	NA	504.29
302.0	Point Pinole	TCM	01/14/88	578.17	NA	11.71	3.25	10.09	2.47	17.46	0.25	NA	3.66	0.094	NA	233.04
302.0	Point Pinole	TCM	12/30/88	559.00	NA	9.54	2.77	10.85	1.31	14.00	0.33	NA	4.15	0.100	NA	175.15
302.0	Point Pinole	TCM	02/09/90	806.67	NA	13.72	3.93	9.46	3.18	18.77	0.30	NA	NA	0.077	NA	246.66
302.0	Point Pinole	TCM	01/16/91	2100.00	11.00	13.00	4.90	61.00	3.50	21.00	0.35	NA	3.40	0.100	NA	320.00
302.0	Point Pinole	TCM	12/27/91	1500.00	7.10	9.10	2.60	11.00	1.60	19.00	0.22	3.00	4.00	0.063	NA	210.00
302.0	Point Pinole	TCM	01/20/93	1200.00	11.00	19.00	4.40	12.00	3.40	16.00	0.34	4.00	4.80	0.120	NA	350.00
302.4	Castro Cove Bridge	TCM	01/18/88	472.60	NA	7.10	3.82	10.64	4.26	27.81	0.53	NA	3.86	0.075	NA	160.50
302.4	Castro Cove Bridge	TCM	12/29/88	688.56	NA	7.06	3.63	12.94	3.69	39.50	0.66	NA	4.88	0.094	NA	203.75
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	2700.00	8.50	11.00	37.00	16.00	3.70	32.00	0.48	NA	2.60	0.260	NA	300.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
303.3	Lauritzen Canal/End	TCM	03/22/91	2600.00	12.00	20.00	15.00	16.00	5.70	65.00	0.49	NA	2.30	0.140	NA	430.00
303.4	Santa Fe Channel/End	TCM	03/22/91	2000.00	7.20	7.40	7.00	47.00	6.20	37.00	0.44	NA	2.30	0.240	NA	370.00
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	680.66	NA	7.13	3.50	16.97	2.77	17.20	0.36	NA	NA	0.077	NA	194.41
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	545.80	NA	5.67	2.60	18.80	3.07	17.13	0.51	NA	NA	0.060	NA	220.47
304.4	Serl Intake	TCM	03/22/91	1900.00	7.00	8.30	33.00	14.00	3.20	26.00	0.61	NA	3.30	0.210	NA	240.00
304.6	Point Isabel	TCM	01/14/88	1005.09	NA	8.47	3.40	12.06	10.64	14.35	0.52	NA	NA	0.097	NA	217.05
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	1800.00	7.90	6.60	3.10	14.00	2.80	22.00	0.21	NA	3.10	1.100	NA	200.00
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	1500.00	6.70	8.80	2.60	12.00	2.20	17.00	0.20	2.80	5.70	0.550	NA	160.00
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	1600.00	9.60	6.30	3.40	12.00	3.70	22.00	0.24	3.50	5.20	0.980	NA	210.00
306.5	Alcatraz Island	TCM	01/05/89	393.56	NA	6.81	2.06	12.06	1.56	15.88	0.34	NA	NA	0.338	NA	201.69
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	1624.11	NA	9.39	3.86	14.40	1.94	22.65	0.34	NA	6.08	0.799	NA	209.46
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	487.78	NA	5.44	2.22	11.11	1.22	19.33	0.37	NA	5.44	0.483	NA	168.33
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	784.05	NA	10.15	2.96	11.26	2.90	22.01	0.24	NA	NA	0.899	NA	251.12
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	1700.00	9.80	8.70	3.30	16.00	2.60	24.00	0.27	NA	3.70	1.200	NA	210.00
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	1900.00	7.50	8.90	3.20	13.00	2.00	25.00	0.25	3.50	5.10	0.620	NA	210.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	970.00	12.00	15.00	2.80	13.00	2.00	17.00	0.24	4.20	6.30	1.100	NA	330.00
307.2	Alameda Yacht Harbor	TCM	01/14/88	950.70	NA	12.81	4.71	21.83	10.77	52.89	0.65	NA	NA	0.167	NA	312.91
307.2	Alameda Yacht Harbor	TCM	12/30/88	598.46	NA	9.00	3.08	21.62	6.46	32.54	0.78	NA	NA	0.115	NA	330.23
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	1016.67	NA	12.26	5.42	54.07	29.57	36.45	0.72	NA	NA	0.431	NA	321.67
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	415.00	NA	9.58	2.67	31.50	8.25	26.92	0.81	NA	NA	0.333	NA	333.92
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	1700.00	11.00	14.00	4.40	41.00	12.00	43.00	0.40	NA	1.70	0.350	NA	460.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	870.00	8.20	13.00	2.20	20.00	4.90	24.00	0.37	2.20	2.20	0.140	NA	300.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	1500.00	13.00	16.00	5.00	19.00	4.80	39.00	0.44	4.60	3.40	0.081	NA	440.00
307.5	Lake Merritt	RBM	05/22/92	460.00	NA	6.00	2.50	10.00	6.70	21.00	0.30	NA	NA	0.022	NA	260.00
307.5	Lake Merritt	RCM	03/16/93	1200.00	NA	5.10	2.70	13.00	14.00	59.00	0.23	5.00	NA	0.025	NA	280.00
307.6	Oakland Back Harbor	TCM	01/14/88	828.57	NA	9.00	4.45	20.22	10.17	38.17	0.69	NA	NA	0.167	NA	270.72
307.8	San Francisco Outfall	TCM	12/29/88	308.82	NA	6.82	2.00	16.59	2.29	13.76	0.57	NA	NA	1.012	NA	192.94
307.9	San Francisco/Islais Channel	TCM	01/15/88	803.03	NA	9.33	4.00	14.03	6.27	19.03	0.71	NA	NA	2.885	NA	195.45
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	2200.00	9.90	8.40	4.70	13.00	2.60	27.00	0.35	NA	2.60	1.600	NA	220.00
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	1600.00	7.30	9.60	3.00	11.00	1.60	24.00	0.21	3.20	4.00	0.600	NA	190.00
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	2300.00	NA	14.00	5.70	14.00	3.50	29.00	0.29	5.80	NA	1.000	NA	360.00
308.2	Hunter's Point/Shipyard	TCM	01/15/88	727.51	NA	8.12	4.08	14.26	5.16	19.55	0.36	NA	NA	0.363	NA	190.74
308.2	Hunter's Point/Shipyard	TCM	12/29/88	398.26	NA	6.21	2.21	12.47	2.95	16.00	0.41	NA	NA	0.295	NA	189.47
309.0	San Mateo Bridge/8B	TCM	02/09/90	1016.01	NA	11.42	3.69	13.41	2.49	24.51	0.51	NA	NA	0.893	NA	236.17
309.0	San Mateo Bridge/8B	TCM	01/16/91	1700.00	11.00	13.00	4.50	9.80	2.40	23.00	0.34	NA	1.80	0.760	NA	230.00
309.0	San Mateo Bridge/8B	TCM	12/16/91	2100.00	7.70	11.00	3.60	12.00	1.80	27.00	0.12	3.50	3.60	0.440	NA	210.00
309.0	San Mateo Bridge/8B	TCM	02/01/93	2200.00	NA	14.00	5.70	14.00	3.00	29.00	0.31	5.50	NA	0.950	NA	300.00
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	2000.00	12.00	14.00	18.00	12.00	3.10	31.00	0.34	NA	2.60	0.720	NA	350.00
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	1600.00	7.90	11.00	3.00	11.00	1.80	31.00	0.20	3.20	3.40	0.210	NA	230.00
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	2700.00	NA	14.00	6.80	12.00	3.20	40.00	0.25	6.20	NA	0.300	NA	270.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/15/88	1032.83	NA	9.77	4.04	14.49	1.59	36.29	0.35	NA	NA	0.550	NA	180.81
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	786.64	NA	11.00	3.45	11.09	1.91	49.36	0.62	NA	NA	0.445	NA	230.64
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	3200.00	11.00	14.00	7.40	12.00	3.10	55.00	0.41	NA	2.30	0.640	NA	300.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	1600.00	6.90	9.60	3.10	9.00	1.50	30.00	0.19	2.70	2.70	0.150	NA	180.00
323.3	Palo Alto Outfall	TCM	12/29/88	367.15	NA	9.85	2.62	10.54	1.31	18.69	0.49	NA	NA	0.569	NA	175.15
323.3	Palo Alto Outfall	TCM	02/09/90	811.72	NA	7.76	2.36	11.67	1.54	35.76	0.64	NA	NA	1.181	NA	161.62
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	1800.00	6.30	8.40	3.90	12.00	2.30	47.00	0.34	NA	2.40	0.710	NA	230.00
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	1200.00	4.30	6.30	2.00	9.50	1.40	31.00	0.08	2.30	1.90	0.280	NA	130.00
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	1000.00	9.60	10.00	2.90	14.00	2.30	35.00	0.25	3.10	9.00	0.900	NA	240.00
336.0	J. Fitzgerald	RCM	01/30/91	530.00	9.30	7.90	2.20	7.20	1.10	6.30	0.21	NA	1.50	0.570	NA	140.00
399.5	San Lorenzo River	SED	01/14/91	58000.00	NA	1.60	42.00	2.90	17.00	130.00	0.03	NA	NA	0.040	NA	19.00
399.7	San Lorenzo River/Felton	SED	12/03/90	69000.00	NA	2.30	17.00	6.00	17.00	180.00	0.03	NA	NA	0.080	NA	50.00
399.7	San Lorenzo River/Felton	TFC	02/16/91	1500.00	NA	2.90	31.00	79.00	1.80	140.00	0.45	NA	NA	0.130	NA	180.00
400.2	Younger Lagoon	SED	11/04/92	41000.00	NA	0.03	78.00	2.10	5.50	67.00	0.03	NA	NA	0.028	NA	11.00
400.2	Younger Lagoon	TCM	02/25/93	530.00	NA	12.00	2.20	9.40	0.85	11.00	0.21	NA	NA	0.069	NA	170.00
400.6	Santa Cruz/Natural Bridges	RCM	02/16/88	196.08	NA	4.09	2.80	8.26	2.79	4.86	0.24	NA	NA	2.118	NA	154.41
400.6	Santa Cruz/Natural Bridges	RCM	01/28/89	166.20	NA	5.00	1.27	9.60	1.20	4.87	0.25	NA	NA	0.980	NA	186.00
400.8	Aptos Creek	TFC	01/31/90	1162.97	8.23	1.49	9.33	54.94	0.74	150.51	0.33	NA	3.27	0.036	NA	155.12
400.8	Aptos Creek	TFC	10/25/90	600.00	11.00	2.50	10.00	77.00	0.38	110.00	0.25	NA	2.50	0.060	NA	150.00
400.8	Aptos Creek	RFC	11/14/90	571.20	12.20	2.00	9.40	72.40	0.41	94.90	0.41	NA	NA	0.100	NA	173.00
400.8	Aptos Creek	RFC	11/26/90	223.80	NA	3.00	11.00	92.50	0.45	34.30	0.45	NA	NA	0.150	NA	194.00
400.8	Aptos Creek	TFC	12/19/91	1900.00	13.00	5.10	61.00	160.00	0.36	37.00	0.21	NA	5.30	0.410	NA	150.00
401.1	Santa Cruz/T Dock	TCM	02/08/89	249.19	NA	8.29	2.00	113.00	7.48	9.67	0.52	NA	NA	0.062	NA	451.43
402.1	Azevedo Pond	TCM	02/25/93	930.00	NA	12.00	23.00	10.00	2.70	30.00	0.23	NA	NA	0.060	NA	210.00
402.2	Parson's Slough	TCM	02/25/93	1200.00	NA	12.00	13.00	12.00	1.90	18.00	0.23	NA	NA	0.075	NA	200.00
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	1200.00	NA	7.60	7.60	9.00	1.20	17.00	0.22	NA	NA	0.066	NA	170.00
403.5	Moss Landing/South Harbor	TCM	02/02/88	638.30	NA	6.74	3.06	17.09	2.34	18.13	0.29	NA	NA	0.040	NA	283.22
403.5	Moss Landing/South Harbor	TCM	01/04/89	298.17	NA	7.50	1.44	13.17	1.33	19.00	0.36	NA	NA	0.011	NA	379.06
404.0	Sandholdt Bridge	RBM	04/07/88	340.74	NA	6.08	1.74	8.37	2.47	32.84	0.23	NA	NA	0.025	NA	382.96
404.0	Sandholdt Bridge	RBM	12/08/88	362.31	NA	4.56	1.44	10.00	0.94	12.88	0.24	NA	NA	0.006	NA	236.69
404.0	Sandholdt Bridge	TCM	01/04/89	234.05	NA	6.79	1.26	11.32	0.95	18.74	0.27	NA	NA	0.021	NA	355.11
404.0	Sandholdt Bridge	RBM	02/27/89	201.44	NA	8.19	0.94	9.44	0.88	12.25	0.26	NA	NA	0.013	NA	277.69
404.0	Sandholdt Bridge	RBM	04/06/89	171.13	NA	6.67	0.93	9.07	1.13	14.07	0.23	NA	NA	0.207	NA	267.33
404.0	Sandholdt Bridge	TCM	02/19/90	802.93	NA	6.31	1.83	10.55	2.01	17.68	0.27	NA	NA	0.008	NA	221.01
404.0	Sandholdt Bridge	TCM	02/04/91	1300.00	NA	7.30	3.00	11.00	1.70	17.00	0.19	NA	NA	0.030	NA	200.00
404.0	Sandholdt Bridge	TCM	01/28/92	290.00	6.90	6.60	1.80	11.00	1.10	9.30	0.16	2.60	2.80	0.016	NA	160.00
404.0	Sandholdt Bridge	TCM	02/01/93	1300.00	12.00	6.50	2.50	11.00	1.60	17.00	0.21	2.50	3.60	0.026	NA	210.00
405.2	Old Salinas River 2	SED	01/27/92	56000.00	NA	0.30	120.00	6.70	12.00	290.00	ND	NA	NA	0.051	NA	40.00
405.2	Old Salinas River 2	TFC	03/16/92	930.00	NA	11.00	5.70	47.00	0.26	33.00	0.14	NA	NA	0.100	NA	74.00
405.3	Old Salinas River 1	SED	01/27/92	54000.00	NA	0.70	180.00	11.00	14.00	430.00	ND	NA	NA	0.065	NA	52.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
405.3	Old Salinas River 1	TFC	03/16/92	1300.00	NA	4.20	11.00	66.00	0.35	55.00	0.16	NA	NA	0.150	NA	120.00
405.6	Salinas River Lag 1	SED	01/27/92	51000.00	NA	0.70	130.00	16.00	11.00	440.00	ND	NA	NA	0.085	NA	78.00
405.6	Salinas River Lag 1	TFC	03/16/92	270.00	NA	3.50	9.70	73.00	0.16	13.00	0.20	NA	NA	0.120	NA	99.00
405.7	Salinas River Lag 2	SED	01/27/92	25000.00	NA	1.10	170.00	50.00	32.00	610.00	0.13	NA	NA	0.140	NA	160.00
405.7	Salinas River Lag 2	TFC	03/16/92	3500.00	NA	3.00	14.00	82.00	1.50	65.00	0.16	NA	NA	0.180	NA	150.00
414.0	Pacific Grove	RCM	12/19/88	163.79	NA	7.79	1.46	7.87	5.76	5.40	0.16	NA	NA	0.236	NA	238.22
414.0	Pacific Grove	RCM	01/09/89	63.12	13.12	8.18	1.00	7.76	2.88	3.35	0.18	2.24	2.59	0.194	16.59	213.71
414.0	Pacific Grove	RCM	02/08/90	174.41	19.00	9.26	1.05	8.08	3.22	4.40	0.20	2.85	2.53	0.292	22.45	204.49
414.0	Pacific Grove	RCM	02/14/91	150.00	16.00	9.30	5.60	7.00	3.90	4.70	0.12	4.60	1.80	0.340	NA	260.00
414.0	Pacific Grove	RCM	01/31/92	220.00	13.00	16.00	1.50	7.10	4.60	4.00	0.19	2.20	2.80	0.140	NA	270.00
414.0	Pacific Grove	RCM	02/12/93	440.00	19.00	12.00	3.50	7.30	3.90	6.50	0.23	4.60	3.00	0.360	NA	290.00
421.7	Monterey Harbor/Marina	TCM	01/22/88	191.01	NA	7.47	2.07	67.57	14.79	3.39	0.39	NA	NA	0.054	NA	531.65
421.7	Monterey Harbor/Marina	TCM	04/05/89	232.14	NA	7.50	2.57	144.86	12.93	5.79	1.07	NA	NA	0.293	NA	1113.57
423.1	Carmel Bay/New Control	RCM	05/25/92	52.00	15.00	12.00	1.60	4.70	1.10	3.40	0.29	1.60	2.60	0.140	NA	180.00
423.2	Carmel STP/Control	TCM	02/16/88	108.64	NA	5.38	1.67	5.71	2.66	4.47	0.19	NA	NA	0.158	NA	111.11
423.2	Carmel STP/Control	TCM	04/13/89	45.29	NA	14.76	0.76	9.00	1.18	4.59	0.24	NA	NA	0.253	NA	150.59
423.3	Carmel River	TCM	04/13/89	126.06	NA	10.31	0.88	8.69	1.31	5.06	0.34	NA	NA	0.637	NA	168.56
423.4	Carmel STP/10m North	RCM	02/16/88	217.05	NA	5.56	1.10	6.28	2.39	6.14	0.10	NA	NA	1.837	NA	114.15
423.4	Carmel STP/10m North	TCM	04/13/89	125.29	NA	10.41	1.18	8.18	1.35	5.88	0.24	NA	NA	0.582	NA	174.12
423.5	Carmel STP/30m South	TCM	02/01/91	330.00	9.70	9.80	1.30	7.90	1.20	6.30	0.09	1.50	2.30	0.040	NA	150.00
423.5	Carmel STP/30m South	TCM	05/14/92	300.00	11.00	11.00	0.92	7.90	1.10	6.10	0.16	1.30	4.20	0.170	NA	160.00
423.6	Carmel STP/10m South	TCM	01/22/88	392.72	NA	10.00	2.04	6.84	4.69	6.25	0.18	NA	NA	0.355	NA	146.17
423.6	Carmel STP/10m South	TCM	04/13/89	143.50	NA	9.72	0.94	8.11	1.94	5.89	0.25	NA	NA	0.567	NA	151.28
423.7	Carmel STP/100m South	TCM	02/01/91	300.00	9.10	11.00	1.20	9.10	1.30	5.00	0.10	1.50	2.20	0.050	NA	170.00
423.7	Carmel STP/100m South	TCM	05/14/92	340.00	11.00	11.00	0.99	8.00	1.30	6.30	0.16	1.50	3.90	0.180	NA	180.00
423.9	Carmel STP/300m South	TCM	02/01/91	220.00	10.00	8.90	1.00	6.60	1.20	4.60	0.12	1.40	2.10	0.130	NA	260.00
423.9	Carmel STP/300m South	TCM	05/14/92	310.00	12.00	11.00	0.94	6.80	1.50	5.90	0.14	1.40	4.40	0.210	NA	180.00
424.5	Granite Canyon/Control	TCM	09/21/88	15.00	NA	6.96	3.04	5.29	0.49	2.32	1.48	NA	NA	0.080	2.54	109.93
425.4	Lake San Antonio/Buoy	TFC	12/08/87	266.67	NA	16.86	0.85	27.45	2.28	99.57	0.10	NA	NA	0.263	NA	100.00
425.6	Lake San Antonio	RFC	10/28/87	315.02	NA	18.28	1.17	22.16	1.36	26.85	0.11	NA	NA	0.264	NA	105.13
425.6	Lake San Antonio	RFC	09/14/88	423.29	8.71	13.43	1.71	38.71	1.00	86.57	0.13	9.43	6.71	0.857	27.86	159.00
425.6	Lake San Antonio	RFC	08/15/89	387.53	NA	16.90	1.09	21.83	0.45	41.49	0.04	NA	7.33	0.113	NA	116.80
425.6	Lake San Antonio	TFC	05/25/92	560.00	6.90	12.00	13.00	110.00	0.34	60.00	0.13	3.40	5.60	0.310	NA	150.00
426.5	Cayucos Pier	TCM	09/24/87	277.26	9.30	5.16	2.70	22.21	1.88	7.45	0.08	3.60	NA	0.044	64.07	124.61
426.5	Cayucos Pier	TCM	12/14/87	414.08	11.60	4.31	3.79	19.81	2.33	9.03	0.16	3.73	NA	0.050	45.90	172.46
426.5	Cayucos Pier	TCM	09/25/88	132.21	9.71	4.33	1.33	8.67	0.21	5.92	0.10	2.83	NA	0.117	32.00	107.38
426.5	Cayucos Pier	TCM	12/20/88	225.85	10.65	3.55	2.45	9.10	0.70	7.65	0.13	3.15	NA	0.170	34.85	143.65
426.5	Cayucos Pier	TCM	02/28/89	305.71	9.52	4.67	2.86	6.71	0.86	8.19	0.15	4.33	NA	0.152	48.24	130.62
426.5	Cayucos Pier	TCM	09/27/89	218.57	8.93	7.27	1.76	6.48	0.12	5.35	0.08	3.56	NA	0.049	19.13	105.33
426.5	Cayucos Pier	TCM	12/12/89	133.11	10.17	6.15	1.72	6.19	0.78	6.14	0.13	2.54	NA	0.093	26.18	133.09

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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	Titanium	Zinc
426.5	Cayucos Pier	TCM	03/05/90	442.22	11.67	6.62	3.31	7.31	1.33	10.72	0.17	5.46	NA	0.052	50.56	177.03
426.5	Cayucos Pier	TCM	09/03/90	260.00	NA	10.00	1.40	8.40	1.00	6.50	0.10	NA	NA	0.070	NA	120.00
426.5	Cayucos Pier	TCM	11/14/90	520.00	NA	5.10	2.50	7.30	0.79	9.20	0.15	NA	NA	0.080	NA	130.00
426.5	Cayucos Pier	TCM	02/25/91	530.00	10.00	3.80	39.00	8.00	1.00	18.00	0.14	NA	1.80	0.060	NA	160.00
428.0	Cayucos	RCM	09/24/87	259.65	NA	4.11	2.78	4.95	1.45	7.48	0.26	4.03	NA	0.035	26.28	144.21
428.0	Cayucos	RCM	03/14/88	301.50	NA	3.60	3.90	8.99	1.31	10.73	0.31	4.39	NA	0.045	38.26	185.77
428.0	Cayucos	RCM	09/25/88	246.85	NA	3.70	2.50	7.05	0.75	10.20	0.34	4.10	NA	0.175	12.80	128.65
428.0	Cayucos	RCM	02/28/89	288.26	NA	3.21	1.84	9.58	0.74	9.63	0.30	4.84	NA	0.026	17.37	148.95
428.0	Cayucos	RCM	09/27/89	394.28	NA	5.58	3.25	7.37	1.00	12.75	0.22	4.90	NA	0.032	51.24	134.34
428.0	Cayucos	RCM	03/05/90	513.81	NA	4.31	3.68	8.88	0.93	13.52	0.30	6.96	NA	0.022	34.66	181.25
428.0	Cayucos	RCM	09/03/90	580.00	NA	5.00	3.20	7.70	0.82	14.00	0.27	NA	NA	0.040	NA	190.00
428.0	Cayucos	RCM	02/25/91	1100.00	NA	3.20	50.00	10.00	1.00	25.00	0.24	NA	NA	0.040	NA	190.00
428.0	Cayucos	RCM	09/09/91	460.00	NA	2.80	1.90	6.10	0.53	8.90	0.17	NA	NA	0.030	NA	100.00
428.0	Cayucos	RCM	02/25/92	730.00	NA	3.00	3.00	7.60	0.70	14.00	0.21	NA	NA	0.021	NA	160.00
429.2	Morro Bay/Boat Works	RBM	03/14/88	523.37	NA	11.15	4.90	11.06	2.05	12.21	0.34	5.80	NA	0.003	63.36	205.92
429.2	Morro Bay/Boat Works	TCM	12/19/88	350.00	NA	6.47	2.79	12.74	1.53	8.58	0.26	NA	NA	0.021	NA	134.21
429.2	Morro Bay/Boat Works	TCM	02/02/90	547.03	NA	6.43	3.27	12.12	2.12	8.95	0.16	NA	NA	0.010	NA	167.41
429.2	Morro Bay/Boat Works	TCM	01/20/93	1400.00	NA	13.00	12.00	22.00	2.70	18.00	0.47	NA	NA	0.053	NA	270.00
430.0	Montana De Oro	RCM	09/24/87	128.75	10.90	5.94	2.19	8.04	1.18	4.60	0.10	2.76	NA	0.063	11.53	129.27
430.0	Montana De Oro	RCM	12/14/87	266.26	10.60	4.06	4.16	11.26	1.39	6.97	0.13	3.75	NA	0.077	11.95	146.95
430.0	Montana De Oro	RCM	03/14/88	207.04	10.10	4.35	3.24	6.54	1.45	5.26	0.15	2.89	NA	0.077	15.84	140.99
430.0	Montana De Oro	RCM	09/26/88	62.17	9.43	5.17	1.30	6.74	0.57	3.04	0.08	1.91	NA	0.048	7.43	115.52
430.0	Montana De Oro	RCM	12/20/88	82.71	8.90	5.14	1.81	8.33	0.76	3.05	0.09	2.10	NA	0.086	6.48	142.71
430.0	Montana De Oro	RCM	02/28/89	127.35	10.35	4.85	2.00	8.45	1.10	3.90	0.10	2.65	NA	0.105	14.45	148.85
430.0	Montana De Oro	RCM	09/27/89	93.79	10.00	8.92	1.32	6.10	0.03	4.06	0.09	1.93	NA	0.072	16.10	103.60
430.0	Montana De Oro	RCM	12/12/89	100.49	9.33	6.06	1.77	5.62	0.82	3.54	0.10	2.21	NA	0.078	14.85	132.06
430.0	Montana De Oro	RCM	03/05/90	226.51	9.63	6.55	2.62	5.94	0.92	5.24	0.11	2.98	NA	0.051	8.36	146.44
430.0	Montana De Oro	RCM	04/03/90	105.58	12.00	5.25	2.19	6.50	0.81	3.80	0.15	2.50	NA	0.036	5.24	194.67
430.0	Montana De Oro	RCM	09/03/90	210.00	8.30	6.60	1.30	6.10	0.65	4.10	0.08	NA	NA	0.070	NA	130.00
430.0	Montana De Oro	RCM	11/14/90	310.00	9.80	5.00	1.80	6.70	0.76	4.80	0.09	NA	0.93	0.090	NA	150.00
430.0	Montana De Oro	RCM	02/25/91	440.00	10.00	5.30	45.00	7.20	0.82	9.30	0.10	NA	1.30	0.080	NA	160.00
430.0	Montana De Oro	RCM	09/09/91	200.00	6.70	3.20	1.60	5.80	0.45	3.80	0.04	1.50	1.60	0.047	NA	91.00
430.0	Montana De Oro	RCM	12/03/91	340.00	7.40	4.80	2.00	7.30	0.55	5.10	0.06	NA	2.30	0.091	NA	110.00
430.0	Montana De Oro	RCM	02/25/92	94.00	7.50	6.00	0.85	6.60	0.53	4.40	0.05	NA	2.10	0.059	NA	93.00
430.2	Montana De Oro 1	TCM	11/14/90	320.00	9.60	5.80	1.80	6.60	0.68	4.80	0.10	NA	1.10	0.100	NA	160.00
430.2	Montana De Oro 1	TCM	09/10/91	220.00	7.10	4.20	1.40	5.30	0.59	3.60	0.06	NA	NA	0.082	NA	91.00
430.2	Montana De Oro 1	TCM	12/04/91	450.00	8.20	4.00	2.30	7.00	0.85	5.70	0.07	NA	2.50	0.079	NA	150.00
430.4	Montana De Oro 2	TCM	11/14/90	390.00	9.40	4.70	1.80	6.40	0.80	5.40	0.10	NA	1.10	0.110	NA	140.00
430.4	Montana De Oro 2	TCM	09/10/91	230.00	7.40	4.50	1.30	5.70	0.63	4.00	0.07	NA	NA	0.083	NA	100.00
431.0	Lion Rock	RCM	10/05/87	94.92	NA	11.37	1.88	6.36	2.02	4.21	0.56	1.57	NA	0.274	6.42	143.93

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
431.0	Lion Rock	RCM	03/15/88	330.69	NA	7.99	3.09	6.38	2.38	6.19	0.36	2.52	NA	0.291	25.64	179.10
431.0	Lion Rock	RCM	09/26/88	26.15	NA	10.45	1.30	8.45	0.95	2.55	0.24	1.15	NA	0.275	3.80	124.15
431.0	Lion Rock	RCM	03/01/89	112.78	NA	7.11	1.50	7.44	0.78	3.44	0.31	1.78	NA	0.172	7.50	154.83
431.0	Lion Rock	RCM	09/28/89	86.04	NA	11.39	1.35	4.72	0.39	3.14	0.22	1.32	NA	0.185	9.32	110.94
431.0	Lion Rock	RCM	03/06/90	161.29	NA	8.01	1.63	6.87	0.87	4.87	0.12	2.25	NA	0.166	25.13	201.30
432.0	Pup Rock	RCM	10/05/87	72.65	NA	10.30	1.98	5.98	1.92	4.06	1.68	1.81	NA	0.384	5.64	152.56
432.0	Pup Rock	RCM	03/15/88	253.85	NA	7.77	4.90	5.77	2.05	5.92	0.31	2.71	NA	0.228	13.00	193.08
432.0	Pup Rock	RCM	09/26/88	34.81	NA	11.56	1.63	6.75	0.25	2.50	0.21	1.44	NA	0.400	12.25	133.75
432.0	Pup Rock	RCM	03/01/89	57.78	NA	7.50	1.11	9.00	1.00	2.67	0.72	1.28	NA	0.500	5.94	209.61
432.0	Pup Rock	RCM	09/28/89	60.98	NA	13.68	1.61	5.84	0.97	3.12	0.13	1.72	NA	0.353	4.77	170.74
432.0	Pup Rock	RCM	03/06/90	112.89	NA	8.56	1.74	5.80	0.48	3.76	0.21	1.63	NA	0.131	6.12	190.42
433.0	Diablo Cove/North	RCM	09/25/87	137.59	12.20	7.44	2.13	4.92	1.26	5.00	0.34	1.36	NA	0.298	6.06	102.33
433.0	Diablo Cove/North	RCM	03/15/88	421.65	12.50	6.24	4.12	8.32	1.49	7.04	0.14	3.86	NA	0.251	59.32	208.26
433.0	Diablo Cove/North	RCM	09/26/88	31.50	9.41	8.86	0.68	8.59	0.50	3.05	0.05	1.18	NA	0.105	5.86	94.86
433.0	Diablo Cove/North	RCM	03/01/89	143.85	13.85	7.54	1.77	7.77	1.62	4.00	0.33	2.69	NA	0.223	20.69	230.23
433.0	Diablo Cove/North	RCM	09/28/89	70.17	10.83	13.58	1.80	4.82	1.19	3.86	0.33	2.81	NA	0.334	36.51	186.07
433.0	Diablo Cove/North	RCM	03/06/90	180.20	14.00	10.13	2.04	5.01	1.66	4.61	0.33	2.91	NA	0.234	28.80	284.09
433.0	Diablo Cove/North	RCM	09/04/90	120.00	NA	16.00	1.50	8.10	1.40	3.80	0.32	NA	NA	0.450	NA	230.00
433.0	Diablo Cove/North	RCM	02/26/91	620.00	NA	12.00	6.60	9.80	1.80	7.80	0.34	NA	NA	0.430	NA	290.00
433.0	Diablo Cove/North	RCM	09/09/91	130.00	NA	14.00	1.50	6.40	1.40	4.30	0.21	NA	NA	0.250	NA	210.00
433.0	Diablo Cove/North	RCM	02/26/92	690.00	NA	6.30	2.70	7.40	1.10	9.20	0.19	NA	NA	0.210	NA	200.00
434.0	Diablo Cove/South	RCM	09/25/87	145.57	11.60	7.41	2.03	6.27	1.78	4.20	0.08	2.54	NA	0.230	31.83	157.17
434.0	Diablo Cove/South	RCM	03/15/88	251.80	10.30	9.52	3.97	6.45	1.40	5.20	0.19	3.08	NA	0.410	38.85	196.16
434.0	Diablo Cove/South	RCM	09/26/88	39.84	10.16	10.16	1.21	7.42	0.84	2.63	0.16	1.84	NA	0.195	8.32	130.16
434.0	Diablo Cove/South	RCM	03/01/89	57.69	12.85	12.62	1.92	7.77	1.31	3.00	0.28	2.69	NA	0.223	9.77	213.62
434.0	Diablo Cove/South	RCM	09/28/89	133.97	10.13	13.38	1.72	6.07	1.14	3.23	0.16	1.98	NA	0.326	71.82	130.26
434.0	Diablo Cove/South	RCM	03/06/90	157.70	11.67	10.03	2.15	5.42	1.40	3.71	0.22	2.22	NA	0.167	26.85	198.90
434.0	Diablo Cove/South	RCM	09/04/90	59.00	12.00	12.00	1.40	6.30	1.10	3.00	0.16	NA	NA	0.200	NA	170.00
434.0	Diablo Cove/South	RCM	02/26/91	370.00	11.00	12.00	8.50	7.40	1.20	5.30	0.19	NA	NA	0.210	NA	200.00
434.0	Diablo Cove/South	RCM	09/09/91	130.00	9.70	13.00	1.70	6.40	1.20	3.60	0.12	NA	NA	0.180	NA	160.00
434.0	Diablo Cove/South	RCM	02/26/92	640.00	6.50	6.60	2.70	6.80	1.10	7.10	0.24	NA	2.90	0.220	NA	160.00
435.0	Intake Cove	RCM	09/25/87	153.37	9.40	9.00	2.01	5.24	0.91	5.42	0.05	2.54	NA	0.268	23.31	119.63
435.0	Intake Cove	RCM	03/15/88	272.73	8.90	7.76	2.39	5.31	2.35	6.01	0.08	4.03	NA	0.406	36.36	164.11
435.0	Intake Cove	RCM	09/26/88	31.74	10.16	12.58	1.05	6.53	0.95	2.68	0.11	1.68	NA	0.268	2.37	116.68
435.0	Intake Cove	RCM	03/01/89	107.50	10.00	8.31	1.63	7.38	1.06	3.75	0.13	1.81	NA	0.313	5.63	143.13
435.0	Intake Cove	RCM	09/28/89	97.88	10.67	16.27	1.17	6.01	0.77	3.59	0.08	1.62	NA	0.235	2.03	110.08
435.0	Intake Cove	RCM	03/06/90	349.68	10.33	8.26	1.91	5.65	0.98	4.85	0.11	2.09	NA	0.105	6.85	137.90
435.0	Intake Cove	RCM	09/04/90	64.00	NA	14.00	1.00	6.00	0.77	3.60	0.11	NA	NA	0.160	NA	130.00
435.0	Intake Cove	RCM	02/26/91	480.00	NA	10.00	17.00	7.30	0.95	6.20	0.14	NA	NA	0.210	NA	170.00
435.0	Intake Cove	RCM	09/09/91	90.00	NA	14.00	1.10	6.40	1.10	3.70	0.12	NA	NA	0.190	NA	140.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
435.0	Intake Cove	RCM	02/26/92	560.00	NA	7.20	2.00	7.00	1.10	7.10	0.09	NA	NA	0.180	NA	140.00
436.0	Pecho Rock	RCM	10/05/87	101.55	NA	8.01	2.38	5.56	2.04	4.86	0.22	3.66	NA	0.424	16.23	179.91
436.0	Pecho Rock	RCM	03/15/88	232.84	NA	7.75	2.88	5.71	1.21	5.69	0.40	3.57	NA	0.373	38.90	154.66
436.0	Pecho Rock	RCM	09/26/88	21.30	NA	7.83	0.70	7.09	0.70	2.52	0.37	0.91	NA	0.257	2.13	121.87
436.0	Pecho Rock	RCM	03/01/89	100.65	NA	5.70	0.90	8.80	0.70	3.80	0.39	1.65	NA	0.280	8.95	164.65
436.0	Pecho Rock	RCM	09/28/89	63.81	NA	13.90	0.86	6.65	0.45	3.42	0.18	1.34	NA	0.171	3.70	109.29
436.0	Pecho Rock	RCM	03/06/90	254.95	NA	6.73	1.59	7.02	0.92	5.15	0.49	1.87	NA	0.134	5.49	169.54
437.0	Point San Luis	RCM	09/24/87	121.95	NA	6.16	2.14	4.86	1.21	5.91	0.16	2.84	NA	0.283	22.07	138.62
437.0	Point San Luis	RCM	03/14/88	269.84	NA	4.63	2.67	5.92	1.06	6.12	0.17	3.09	NA	0.207	51.16	143.31
437.0	Point San Luis	RCM	09/25/88	96.83	NA	6.89	1.89	6.17	1.11	4.83	0.31	2.78	NA	0.539	4.33	161.67
437.0	Point San Luis	RCM	02/28/89	111.25	NA	5.31	1.69	8.19	1.38	5.31	0.29	3.38	NA	0.194	25.50	176.44
437.0	Point San Luis	RCM	09/27/89	55.94	NA	9.82	1.87	4.72	1.47	3.93	0.15	2.29	NA	0.325	4.90	161.55
437.0	Point San Luis	RCM	03/05/90	266.21	NA	6.55	2.02	6.37	2.06	5.93	0.16	3.17	NA	0.211	3.61	164.86
437.0	Point San Luis	RCM	09/03/90	130.00	NA	8.00	1.40	6.70	1.00	4.10	0.21	NA	NA	0.210	NA	170.00
437.0	Point San Luis	RCM	02/25/91	480.00	NA	7.80	11.00	8.60	1.70	6.90	0.25	NA	NA	0.220	NA	250.00
437.0	Point San Luis	RCM	09/09/91	180.00	NA	6.70	1.40	5.70	1.20	4.60	0.22	NA	NA	0.097	NA	170.00
437.0	Point San Luis	RCM	02/26/92	740.00	NA	7.10	2.70	7.10	1.40	9.50	0.25	NA	NA	0.170	NA	180.00
438.0	Avila	RCM	09/24/87	189.72	NA	7.25	1.63	6.54	1.10	6.19	0.06	2.37	NA	0.147	30.58	121.63
438.0	Avila	RCM	03/14/88	473.19	NA	5.45	3.06	7.04	1.73	6.90	0.26	3.94	NA	0.382	26.01	148.72
438.0	Avila	RCM	09/25/88	95.44	NA	5.56	1.63	7.75	1.81	5.25	0.27	2.38	NA	0.463	5.06	162.69
438.0	Avila	RCM	02/28/89	138.00	NA	5.07	1.73	7.00	2.40	5.40	0.38	3.67	NA	0.527	18.80	165.53
438.0	Avila	RCM	09/27/89	28.52	NA	8.12	1.10	4.81	1.17	4.52	0.22	2.04	NA	0.464	8.28	125.30
438.0	Avila	RCM	03/05/90	202.97	NA	6.20	1.97	6.56	2.76	5.73	0.35	2.75	NA	0.818	2.03	179.93
438.0	Avila	RCM	09/03/90	190.00	NA	8.40	1.50	5.90	1.80	4.90	0.20	NA	NA	0.410	NA	150.00
438.0	Avila	RCM	02/25/91	650.00	NA	9.40	4.60	9.40	3.50	8.90	0.30	NA	NA	1.600	NA	210.00
438.0	Avila	RCM	09/09/91	190.00	NA	4.70	1.00	5.40	1.30	4.10	0.12	NA	NA	0.230	NA	130.00
438.0	Avila	RCM	02/25/92	640.00	NA	4.40	2.40	7.60	1.50	10.00	0.21	NA	NA	0.230	NA	120.00
440.0	Lion Rock/Transplant	TCM	09/25/87	153.97	9.00	5.89	1.56	5.83	0.54	4.32	0.06	1.73	NA	0.126	29.71	97.14
440.0	Lion Rock/Transplant	TCM	12/15/87	447.92	10.80	3.50	3.05	6.27	0.62	7.33	0.11	3.60	NA	0.154	49.06	119.58
440.0	Lion Rock/Transplant	TCM	09/26/88	62.08	8.63	8.75	0.79	5.38	0.25	3.17	0.07	1.50	NA	0.108	20.83	98.04
440.0	Lion Rock/Transplant	TCM	12/20/88	86.47	10.00	3.79	1.11	6.95	0.68	3.74	0.12	1.68	NA	0.111	9.05	116.16
440.0	Lion Rock/Transplant	TCM	03/01/89	103.35	12.76	4.76	1.47	8.47	0.71	4.47	0.14	2.06	NA	0.124	2.47	155.47
440.0	Lion Rock/Transplant	TCM	09/28/89	72.14	9.03	12.33	0.90	5.96	0.68	2.74	0.09	0.95	NA	0.154	8.02	78.01
440.0	Lion Rock/Transplant	TCM	12/13/89	62.47	12.00	6.66	1.00	5.56	1.01	2.79	0.12	0.90	NA	0.137	1.52	111.53
440.0	Lion Rock/Transplant	TCM	03/06/90	255.37	12.67	6.47	2.15	6.09	1.30	5.77	0.16	2.93	NA	0.071	6.53	196.29
440.0	Lion Rock/Transplant	TCM	09/04/90	120.00	NA	12.00	1.00	7.00	0.99	3.60	0.07	NA	NA	0.160	NA	120.00
440.0	Lion Rock/Transplant	TCM	11/15/90	250.00	NA	5.30	1.30	6.30	0.75	4.70	0.08	NA	NA	0.100	NA	130.00
440.0	Lion Rock/Transplant	TCM	02/26/91	410.00	NA	5.20	15.00	6.80	0.94	7.10	0.12	NA	NA	0.100	NA	170.00
440.0	Lion Rock/Transplant	TCM	09/10/91	130.00	NA	6.10	0.69	6.20	0.50	3.30	0.06	NA	NA	0.130	NA	95.00
440.0	Lion Rock/Transplant	TCM	12/04/91	360.00	NA	3.20	1.50	6.40	0.65	5.40	0.08	NA	NA	0.130	NA	110.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
440.0	Lion Rock/Transplant	TCM	02/26/92	790.00	NA	5.80	3.00	6.60	0.92	9.90	0.13	NA	NA	0.170	NA	160.00
441.0	Lion/Diablo/Transplant	TCM	10/05/87	164.27	NA	5.33	1.51	6.19	0.59	4.96	0.07	1.82	NA	0.127	16.99	91.55
441.0	Lion/Diablo/Transplant	TCM	12/15/87	549.26	NA	3.42	3.33	6.18	0.49	8.01	0.11	3.77	NA	0.119	35.72	116.98
441.0	Lion/Diablo/Transplant	TCM	03/15/88	553.96	NA	5.63	3.39	6.67	1.28	8.32	0.09	5.17	NA	0.168	52.16	158.75
441.0	Lion/Diablo/Transplant	TCM	12/20/88	59.28	NA	4.22	1.11	8.00	0.56	3.61	0.12	1.83	NA	0.100	2.00	135.17
441.0	Lion/Diablo/Transplant	TCM	03/01/89	164.06	NA	5.67	1.61	7.33	1.00	4.78	0.17	3.33	NA	0.139	9.56	183.89
441.0	Lion/Diablo/Transplant	TCM	09/28/89	79.92	NA	7.51	0.88	5.39	0.35	2.81	0.11	0.83	NA	0.159	3.50	83.61
441.0	Lion/Diablo/Transplant	TCM	12/13/89	45.62	NA	5.54	1.03	4.94	0.73	2.56	0.12	0.93	NA	0.117	0.02	103.23
441.0	Lion/Diablo/Transplant	TCM	03/06/90	261.16	NA	5.81	2.32	5.69	1.54	5.02	0.17	2.26	NA	0.089	5.05	187.32
441.0	Lion/Diablo/Transplant	TCM	09/04/90	150.00	NA	10.00	1.20	6.40	0.78	3.50	0.07	NA	NA	0.160	NA	100.00
441.0	Lion/Diablo/Transplant	TCM	11/15/90	270.00	NA	5.20	1.40	6.10	0.74	5.10	0.07	NA	NA	0.110	NA	130.00
441.0	Lion/Diablo/Transplant	TCM	02/26/91	440.00	NA	5.20	5.70	6.90	1.10	6.30	0.12	NA	NA	0.130	NA	180.00
441.0	Lion/Diablo/Transplant	TCM	09/10/91	130.00	NA	5.90	0.98	6.50	0.51	3.70	0.06	NA	NA	0.150	NA	86.00
441.0	Lion/Diablo/Transplant	TCM	12/04/91	360.00	NA	4.40	1.50	6.30	0.75	5.40	0.09	NA	NA	0.110	NA	130.00
441.0	Lion/Diablo/Transplant	TCM	02/26/92	840.00	NA	4.40	2.80	6.80	0.94	10.00	0.12	NA	NA	0.150	NA	140.00
442.0	Diablo Cove/North/Transplant	TCM	10/05/87	115.00	8.80	4.25	1.51	5.47	0.52	4.63	0.08	2.21	NA	0.083	15.35	102.50
442.0	Diablo Cove/North/Transplant	TCM	12/15/87	454.34	10.50	4.86	3.10	6.03	1.14	8.18	0.09	5.31	NA	0.112	51.85	134.25
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	383.77	10.10	5.31	3.21	5.29	0.76	7.59	0.11	3.31	NA	0.169	73.62	139.03
442.0	Diablo Cove/North/Transplant	TCM	09/26/88	50.19	10.81	10.25	2.13	6.38	1.38	3.63	0.34	2.94	NA	0.569	9.13	203.75
442.0	Diablo Cove/North/Transplant	TCM	12/20/88	97.31	11.69	4.88	1.31	8.63	0.75	4.19	0.11	2.13	NA	0.063	13.44	134.19
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	125.47	11.00	5.41	1.65	7.41	0.71	4.29	0.16	2.59	NA	0.106	5.59	139.24
442.0	Diablo Cove/North/Transplant	TCM	09/28/89	100.70	9.13	13.32	1.11	5.62	0.65	3.31	0.09	1.17	NA	0.144	1.32	85.34
442.0	Diablo Cove/North/Transplant	TCM	12/13/89	76.05	10.67	5.63	1.14	4.88	0.88	2.71	0.13	1.00	NA	0.189	0.68	102.40
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	268.76	13.33	6.93	2.28	6.14	1.56	5.66	0.18	2.63	NA	0.051	3.36	201.11
442.0	Diablo Cove/North/Transplant	TCM	09/04/90	82.00	NA	11.00	1.10	5.90	0.93	3.20	0.08	NA	NA	0.120	NA	120.00
442.0	Diablo Cove/North/Transplant	TCM	11/15/90	330.00	NA	4.60	1.30	6.00	0.70	5.10	0.07	NA	NA	0.140	NA	130.00
442.0	Diablo Cove/North/Transplant	TCM	02/26/91	850.00	NA	7.20	9.50	8.20	1.50	9.10	0.11	NA	NA	0.160	NA	230.00
442.0	Diablo Cove/North/Transplant	TCM	09/10/91	120.00	NA	6.00	0.91	6.40	0.59	3.70	0.05	NA	NA	0.096	NA	99.00
442.1	Diablo Cove/N/Transplant/Shallow	TCM	02/26/91	700.00	NA	6.60	11.00	7.80	1.30	8.20	0.14	NA	NA	0.100	NA	230.00
442.1	Diablo Cove/N/Transplant/Shallow	TCM	09/10/91	95.00	NA	6.10	0.85	6.50	0.54	3.50	0.07	NA	NA	0.082	NA	110.00
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	163.93	11.30	5.36	1.69	4.59	1.83	5.19	0.24	2.57	NA	0.428	40.44	116.57
443.0	Diablo Cove/South/Transplant	TCM	12/15/87	490.20	10.00	4.75	3.31	6.41	1.41	8.69	0.11	4.52	NA	0.100	94.90	135.95
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	42.52	10.48	12.29	0.90	8.29	0.38	3.19	0.09	2.10	NA	0.081	2.90	105.86
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	197.94	11.28	6.06	2.06	9.67	0.61	5.22	0.14	3.11	NA	0.089	23.44	136.50
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	147.33	9.03	10.71	1.12	5.46	0.10	3.63	0.08	1.02	NA	0.139	2.53	76.41
443.0	Diablo Cove/South/Transplant	TCM	12/13/89	73.46	11.33	6.87	1.12	4.93	0.74	3.48	0.14	1.04	NA	0.165	1.23	114.28
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	294.55	11.67	6.66	2.32	5.88	1.52	5.72	0.16	2.32	NA	0.058	3.06	205.62
443.0	Diablo Cove/South/Transplant	TCM	11/15/90	290.00	NA	5.20	1.40	6.40	0.87	4.70	0.08	NA	NA	0.110	NA	140.00
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	590.00	12.00	4.90	26.00	7.60	1.10	9.10	0.10	NA	NA	0.110	NA	190.00
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	110.00	7.60	6.60	0.69	6.30	0.55	3.60	0.05	NA	NA	0.110	NA	81.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
443.0	Diablo Cove/South/Transplant	TCM	12/04/91	430.00	NA	4.90	1.60	6.30	0.73	5.90	0.11	NA	NA	0.140	NA	110.00
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	970.00	8.70	3.50	3.00	6.90	1.10	12.00	0.13	NA	3.10	0.120	NA	160.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	510.00	11.00	5.40	15.00	6.70	1.10	6.30	0.12	NA	NA	0.070	NA	210.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	120.00	8.30	6.50	0.88	7.00	0.56	3.50	0.08	NA	NA	0.080	NA	110.00
444.0	Intake Cove/Transplant	TCM	09/25/87	132.37	10.30	3.40	1.33	4.44	0.66	2.86	0.07	2.14	NA	0.088	19.43	117.54
444.0	Intake Cove/Transplant	TCM	12/15/87	377.01	10.30	4.05	2.37	5.36	0.87	4.62	0.07	3.10	NA	0.076	22.69	146.21
444.0	Intake Cove/Transplant	TCM	03/15/88	309.18	11.80	4.23	2.69	5.77	1.52	3.81	0.12	3.02	NA	0.097	15.44	184.06
444.0	Intake Cove/Transplant	TCM	09/26/88	83.00	9.52	4.57	1.00	8.00	3.00	3.43	0.13	1.24	NA	0.067	2.71	146.81
444.0	Intake Cove/Transplant	TCM	12/20/88	88.06	10.18	3.53	1.41	8.82	0.65	4.12	0.15	NA	NA	0.065	5.47	138.82
444.0	Intake Cove/Transplant	TCM	03/01/89	156.88	13.13	5.88	2.13	9.38	0.88	5.00	0.19	2.50	NA	0.081	8.38	211.06
444.0	Intake Cove/Transplant	TCM	09/28/89	113.61	9.60	5.50	1.04	5.35	0.53	3.52	0.13	0.90	NA	0.097	1.33	106.09
444.0	Intake Cove/Transplant	TCM	12/13/89	130.07	10.20	6.33	1.37	6.11	0.94	3.66	0.15	1.13	NA	0.104	0.05	124.07
444.0	Intake Cove/Transplant	TCM	03/06/90	182.99	13.00	5.38	2.19	6.84	1.36	4.80	0.19	1.94	NA	0.154	0.13	209.39
444.0	Intake Cove/Transplant	TCM	09/04/90	110.00	10.00	6.20	1.40	7.00	0.71	3.80	0.09	NA	NA	0.130	NA	150.00
444.0	Intake Cove/Transplant	TCM	02/26/91	850.00	14.00	6.30	5.80	11.00	1.70	8.50	0.13	NA	NA	0.130	NA	240.00
444.0	Intake Cove/Transplant	TCM	09/10/91	190.00	8.60	4.40	1.20	7.10	0.75	3.70	0.09	NA	NA	0.150	NA	110.00
444.0	Intake Cove/Transplant	TCM	12/04/91	270.00	NA	3.20	1.30	6.80	0.79	4.30	0.09	NA	NA	0.170	NA	130.00
444.0	Intake Cove/Transplant	TCM	02/26/92	620.00	9.90	3.40	2.30	7.90	0.97	8.10	0.15	NA	2.80	0.091	NA	160.00
445.0	San Luis Harbor/Transplant	TCM	09/25/87	67.22	8.10	4.79	0.67	5.86	0.58	2.83	0.05	2.69	NA	0.111	14.16	99.31
445.0	San Luis Harbor/Transplant	TCM	12/15/87	476.47	NA	3.57	2.66	8.94	1.30	7.24	0.13	2.13	NA	0.078	44.41	120.59
445.0	San Luis Harbor/Transplant	TCM	03/15/88	387.79	9.10	2.81	2.33	6.81	2.11	5.63	0.11	2.41	NA	0.087	31.98	116.17
445.0	San Luis Harbor/Transplant	TCM	09/26/88	88.50	11.35	6.55	1.55	8.40	0.35	3.80	0.09	2.60	NA	0.085	5.20	135.15
445.0	San Luis Harbor/Transplant	TCM	12/20/88	174.71	10.59	4.35	1.65	9.53	0.88	5.35	0.16	2.18	NA	0.094	6.00	116.06
445.0	San Luis Harbor/Transplant	TCM	03/01/89	44.58	11.38	2.54	0.96	7.50	0.54	4.92	0.13	1.83	NA	0.058	1.88	105.54
445.0	San Luis Harbor/Transplant	TCM	09/28/89	71.42	8.77	6.99	1.00	5.90	0.85	3.52	0.12	0.95	NA	0.098	2.67	104.18
445.0	San Luis Harbor/Transplant	TCM	12/13/89	226.84	10.67	5.94	1.56	6.53	0.91	5.86	0.15	1.54	NA	0.090	8.56	105.23
445.0	San Luis Harbor/Transplant	TCM	03/06/90	367.59	11.67	3.85	2.05	6.02	1.43	6.69	0.29	2.25	NA	0.040	13.93	141.09
445.0	San Luis Harbor/Transplant	TCM	09/04/90	260.00	8.30	7.50	1.00	8.40	0.73	4.30	0.08	NA	NA	0.080	NA	110.00
445.0	San Luis Harbor/Transplant	TCM	11/14/90	410.00	NA	3.90	1.60	8.40	0.79	6.10	0.11	NA	NA	0.060	NA	110.00
445.0	San Luis Harbor/Transplant	TCM	02/25/91	470.00	12.00	3.80	11.00	9.70	1.10	8.10	0.17	NA	NA	0.070	NA	170.00
445.0	San Luis Harbor/Transplant	TCM	09/09/91	310.00	7.20	3.70	1.20	7.60	0.89	5.10	0.07	NA	NA	0.090	NA	92.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	670.00	7.00	2.70	2.40	9.10	1.40	9.40	0.16	NA	2.80	0.055	NA	140.00
446.0	San Luis Obispo Creek 1	TFC	02/26/91	890.00	NA	4.50	22.00	92.00	2.20	37.00	0.41	NA	NA	0.070	NA	210.00
446.1	San Luis Obispo/Creek 2	SED	02/25/92	9000.00	NA	0.50	640.00	50.00	10.00	830.00	0.09	NA	NA	0.230	NA	110.00
446.1	San Luis Obispo/Creek 2	TFC	04/09/92	1100.00	NA	4.00	19.00	120.00	0.40	65.00	0.29	NA	NA	0.230	NA	120.00
446.2	San Luis Obispo Creek 3	SED	11/14/90	47000.00	NA	2.10	540.00	38.00	29.00	560.00	0.12	NA	NA	2.100	NA	110.00
446.2	San Luis Obispo Creek 3	SED	02/25/92	43000.00	NA	0.70	570.00	24.00	14.00	490.00	0.05	NA	NA	0.240	NA	70.00
446.4	San Luis Obispo/Creek 4	SED	02/25/92	40000.00	NA	0.80	450.00	17.00	14.00	300.00	0.05	NA	NA	0.350	NA	65.00
450.0	Point Conception	RCM	03/20/89	116.06	NA	7.75	1.56	10.88	1.19	5.63	0.28	NA	NA	1.200	NA	259.38
450.0	Point Conception	RCM	12/22/89	86.26	NA	5.23	1.49	5.65	1.20	3.29	0.17	NA	NA	0.222	NA	135.38

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
450.0	Point Conception	RCM	01/04/91	340.00	NA	5.70	4.80	8.60	1.40	5.20	0.21	NA	NA	0.550	NA	220.00
455.0	Gaviota	RCM	01/26/88	180.72	NA	3.51	2.18	9.30	0.90	6.37	0.08	NA	NA	0.667	NA	127.51
455.0	Gaviota	TCM	03/21/89	61.11	NA	10.89	0.94	9.00	0.78	4.33	0.11	NA	NA	0.278	NA	137.78
455.0	Gaviota	RCM	12/22/89	139.23	NA	3.01	1.65	6.08	0.78	5.23	0.11	NA	NA	0.384	NA	156.37
460.0	Goleta Slough 1	TCM	12/18/88	43.36	NA	3.82	0.82	10.91	1.55	12.82	0.16	NA	NA	0.036	NA	230.00
460.0	Goleta Slough 1	SED	09/03/89	16000.00	NA	1.40	49.39	28.35	38.10	252.50	0.07	NA	NA	0.049	NA	102.77
460.0	Goleta Slough 1	SED	11/13/90	73000.00	NA	2.00	110.00	7.20	20.00	180.00	ND	NA	NA	0.080	NA	33.00
460.1	Goleta Slough 2	SED	09/03/89	18902.00	NA	1.16	55.40	27.53	34.40	213.24	0.10	NA	NA	0.037	NA	95.32
460.1	Goleta Slough 2	SED	11/13/90	61000.00	NA	1.80	220.00	11.00	19.00	240.00	ND	NA	NA	0.100	NA	45.00
460.2	Goleta Slough 3	SED	11/13/90	70000.00	NA	2.10	130.00	10.00	18.00	200.00	ND	NA	NA	0.120	NA	31.00
460.3	Goleta Slough 4	SED	11/13/90	58000.00	NA	1.80	110.00	20.00	21.00	210.00	0.03	NA	NA	0.130	NA	64.00
470.0	Santa Barbara Harbor	TCM	01/26/88	220.24	NA	6.83	2.39	103.63	15.18	7.42	0.35	NA	NA	0.067	NA	512.70
470.0	Santa Barbara Harbor	TCM	12/18/88	253.17	NA	9.11	2.22	116.11	5.72	15.11	0.44	NA	NA	0.094	NA	482.61
471.0	Mission Creek	SED	11/13/90	49000.00	NA	1.60	75.00	3.90	16.00	120.00	ND	NA	NA	0.050	NA	19.00
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	53000.00	NA	1.80	130.00	4.40	18.00	220.00	ND	NA	NA	0.070	NA	33.00
480.0	Lake Isabella	RFC	02/09/93	450.00	17.00	0.61	13.00	58.00	0.20	45.00	0.17	10.50	2.20	0.120	NA	130.00
485.0	Ventura Marina	TCM	01/25/88	313.60	NA	7.08	2.22	117.85	6.73	23.82	0.29	NA	NA	0.061	NA	528.51
506.1	Port Hueneme/Wharf B	TCM	01/25/88	579.52	NA	6.56	2.88	117.30	8.65	12.55	0.30	NA	NA	0.076	NA	537.26
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	450.98	NA	3.28	1.33	15.54	4.32	22.75	0.19	NA	NA	0.022	NA	400.73
506.3	Port Hueneme/Entrance	TCM	01/25/88	460.65	NA	5.35	2.08	20.14	6.40	14.12	0.20	NA	NA	0.030	NA	318.98
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	309.59	NA	6.12	1.47	10.24	1.18	20.59	0.18	NA	NA	0.176	NA	147.06
553.0	Marina Del Rey/Entrance	TCM	12/19/88	206.67	NA	3.24	1.43	14.29	15.29	7.05	0.12	NA	NA	0.857	NA	155.71
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	360.84	NA	6.94	2.12	58.24	47.54	19.72	0.24	NA	NA	0.413	NA	689.16
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	240.41	NA	4.65	1.53	61.82	29.00	14.41	0.27	NA	NA	0.418	NA	434.29
555.0	Marina Del Rey/Basin G	TCM	01/25/88	401.46	NA	11.61	3.80	214.74	41.00	43.99	0.26	NA	NA	0.788	NA	1097.81
555.0	Marina Del Rey/Basin G	TCM	12/19/88	223.57	NA	7.79	2.21	118.86	22.29	21.00	0.34	NA	NA	0.429	NA	630.21
555.2	Marina Del Rey/Basin D	TCM	01/25/88	367.74	NA	11.94	3.66	187.59	33.18	29.83	0.37	NA	NA	0.703	NA	1147.74
556.0	Marina Del Rey/Basin E	TCM	01/25/88	755.40	NA	11.34	3.94	99.64	43.17	34.94	0.29	NA	NA	0.417	NA	889.93
556.0	Marina Del Rey/Basin E	TCM	12/19/88	284.79	NA	7.14	2.00	97.36	9.86	24.57	0.27	NA	NA	0.250	NA	500.71
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	556.78	NA	3.34	5.87	12.12	13.38	18.54	0.25	NA	NA	0.505	NA	270.33
559.0	King Harbor	TCM	12/28/87	160.42	NA	9.81	3.33	172.11	30.90	6.92	0.46	NA	NA	0.221	NA	682.29
601.0	LA Harbor/National Steel	TCM	12/28/87	240.74	NA	9.16	3.68	26.24	24.02	19.50	0.13	NA	NA	0.090	NA	454.50
601.0	LA Harbor/National Steel	TCM	12/19/88	254.19	NA	7.50	2.13	26.63	13.69	22.19	0.26	NA	NA	0.050	NA	342.94
601.0	La Harbor/National Steel	SED	08/29/91	26000.00	NA	2.20	120.00	34.00	120.00	630.00	0.68	NA	NA	0.470	NA	460.00
601.0	La Harbor/National Steel	TCM	12/22/91	350.00	NA	9.00	1.70	19.00	8.20	17.00	0.15	NA	NA	0.065	NA	330.00
601.0	LA Harbor/National Steel	SED	09/10/92	41000.00	NA	0.89	91.00	89.00	130.00	580.00	0.29	NA	NA	0.270	NA	270.00
601.0	LA Harbor/National Steel	RBM	01/06/93	670.00	NA	2.70	7.10	28.00	11.00	19.00	0.27	NA	NA	0.094	NA	410.00
602.0	LA Harbor/West Basin	TCM	12/28/87	300.25	NA	6.67	2.86	35.57	11.58	26.69	0.13	NA	NA	0.061	NA	394.40
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	210.42	NA	8.33	3.17	40.29	19.38	42.81	0.20	NA	NA	0.098	NA	496.25
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	252.00	NA	6.27	2.07	48.47	8.80	34.00	0.23	NA	NA	0.087	NA	383.53

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
602.6	LA Harbor/Berth 50	TCM	12/22/89	311.07	NA	4.52	1.92	211.39	4.14	9.86	0.17	NA	NA	0.177	NA	390.57
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	170.54	NA	7.67	2.58	33.16	17.36	23.70	0.14	NA	NA	0.070	NA	563.56
602.8	LA Harbor/Berth 49	TCM	12/28/87	251.05	NA	4.77	3.49	257.43	17.28	12.45	0.15	NA	NA	0.112	NA	552.32
602.8	LA Harbor/Berth 49	TCM	12/19/88	266.69	NA	3.81	2.50	303.69	7.31	12.81	0.20	NA	NA	0.125	NA	299.56
602.8	LA Harbor/Berth 49	TCM	12/22/89	429.25	NA	4.43	2.05	110.99	6.70	13.47	0.25	NA	NA	0.154	NA	321.76
602.8	LA Harbor/Berth 49	TCM	12/22/89	430.00	NA	4.40	2.10	110.00	6.70	14.00	0.25	NA	NA	0.150	NA	320.00
602.8	LA Harbor/Berth 49	TCM	12/23/90	780.00	NA	7.90	2.40	65.00	6.80	19.00	0.26	NA	NA	0.110	NA	300.00
602.9	LA Harbor/Berth 51	TCM	12/22/89	376.20	NA	3.50	1.66	57.89	6.14	16.91	0.17	NA	NA	0.076	NA	250.21
603.0	LA Harbor/Berth 151	TCM	12/28/87	294.12	NA	5.86	2.95	22.60	17.25	19.53	0.10	NA	NA	0.103	NA	32.21
603.6	LA Harbor/Slip 240	TCM	12/28/87	324.12	NA	5.56	3.36	35.93	13.43	18.19	0.15	NA	NA	0.039	NA	239.78
603.8	LA Harbor/West Channel	TCM	12/28/87	135.42	NA	5.98	1.66	38.50	11.56	12.81	0.09	NA	NA	0.037	NA	293.12
604.5	LA Harbor/Berth 212	TCM	12/19/88	201.90	NA	3.57	1.43	11.95	3.19	14.43	0.14	NA	NA	0.033	NA	194.43
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	266.88	NA	4.47	2.12	21.53	5.82	14.65	0.25	NA	NA	0.059	NA	183.35
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	139.34	NA	7.21	2.77	22.79	21.09	17.46	0.19	NA	NA	0.049	NA	361.47
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	129.94	NA	9.12	2.80	167.04	15.96	22.91	0.26	NA	NA	0.130	NA	497.46
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	195.40	NA	9.22	5.49	13.51	23.45	18.71	0.14	NA	NA	0.052	NA	370.98
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	202.75	NA	9.00	3.42	20.00	17.08	21.75	0.28	NA	NA	0.050	NA	376.67
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	390.00	NA	12.00	2.20	15.00	15.00	19.00	0.17	NA	NA	0.049	NA	340.00
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	780.00	NA	3.90	2.00	14.00	11.00	39.00	0.21	NA	NA	0.049	NA	400.00
618.0	LA Harbor/Angels Gate	TCM	12/23/90	570.00	NA	3.50	2.90	14.00	4.00	15.00	0.14	NA	NA	0.150	NA	210.00
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	580.00	NA	2.50	3.60	37.00	2.80	12.00	0.15	NA	NA	0.090	NA	280.00
622.0	LA Harbor/Commer Marine	TCM	12/23/90	490.00	NA	14.00	2.40	280.00	11.00	27.00	0.45	NA	NA	0.130	NA	790.00
648.0	Malibu	RBM	12/26/90	1300.00	NA	1.90	140.00	8.50	1.70	28.00	0.10	NA	NA	5.300	NA	150.00
648.0	Malibu	RBM	01/06/93	1400.00	NA	2.90	3.20	9.10	1.70	20.00	0.16	NA	NA	3.600	NA	190.00
648.1	Malibu Lagoon/Channel A	SED	12/22/91	26000.00	NA	1.80	90.00	20.00	34.00	330.00	0.01	NA	NA	0.130	NA	76.00
648.1	Malibu Lagoon/Channel A	SED	09/10/92	28000.00	NA	1.70	93.00	22.00	11.00	330.00	0.03	NA	NA	0.160	NA	68.00
648.3	Malibu Lagoon/Channel C	SED	12/22/91	49000.00	NA	0.90	90.00	16.00	15.00	350.00	0.03	NA	NA	0.099	NA	61.00
648.3	Malibu Lagoon/Channel C	SED	09/10/92	44000.00	NA	1.30	73.00	20.00	9.60	220.00	0.04	NA	NA	0.130	NA	66.00
648.5	Malibu Lagoon/PCH	SED	12/22/91	60000.00	NA	0.80	68.00	14.00	15.00	490.00	ND	NA	NA	0.050	NA	54.00
648.5	Malibu Lagoon/PCH	SED	09/10/92	55000.00	NA	0.82	77.00	13.00	9.60	300.00	0.02	NA	NA	0.056	NA	50.00
650.0	Santa Monica	RCM	12/19/88	237.35	NA	1.30	1.30	22.80	6.25	12.10	0.25	NA	NA	1.065	NA	184.85
650.0	Santa Monica	RBM	12/26/90	920.00	NA	1.10	57.00	11.00	5.50	19.00	0.18	NA	NA	8.900	NA	180.00
650.0	Santa Monica	RCM	01/06/93	720.00	NA	0.81	20.00	22.00	7.50	12.00	0.27	NA	NA	6.300	NA	240.00
656.0	Manhattan Beach	RCM	12/19/88	282.18	NA	1.24	1.41	16.18	6.24	10.24	0.21	NA	NA	1.176	NA	161.76
658.0	Redondo Beach	RCM	12/19/88	113.84	NA	1.05	1.32	16.95	6.11	6.26	0.28	NA	NA	1.016	NA	177.37
662.0	Royal Palms	RCM	12/28/87	193.24	NA	3.77	2.98	8.58	11.44	9.52	0.20	NA	NA	6.164	NA	229.71
662.0	Royal Palms	RCM	12/19/88	86.47	NA	2.47	1.80	9.33	2.80	9.80	0.21	NA	NA	1.113	6.13	192.47
662.0	Royal Palms	RCM	12/22/89	129.43	NA	3.66	2.58	8.62	3.88	8.34	0.47	NA	NA	8.270	NA	254.61
662.0	Royal Palms	RCM	12/26/90	490.00	NA	2.40	3.20	9.60	2.90	12.00	0.25	NA	NA	7.500	NA	230.00
662.0	Royal Palms	RCM	11/25/91	360.00	NA	1.80	1.90	9.20	2.30	14.00	0.13	NA	NA	3.900	NA	190.00

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
662.0	Royal Palms	RCM	01/05/93	410.00	NA	2.80	16.00	9.70	3.40	12.00	0.32	NA	NA	6.300	NA	300.00
681.0	Catalina Island/West	RCM	09/04/91	120.00	NA	5.50	1.70	4.90	20.00	5.10	0.18	NA	NA	1.200	NA	190.00
682.0	Catalina Island/Ribbon Rock	RCM	09/19/90	110.00	NA	3.00	2.70	6.80	3.90	7.20	0.09	NA	NA	0.380	NA	220.00
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	670.00	NA	5.30	52.00	7.70	15.00	17.00	0.19	NA	NA	1.700	NA	210.00
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	372.14	NA	4.69	1.65	9.70	5.83	11.96	0.14	NA	NA	0.037	NA	168.78
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	388.85	NA	2.55	1.40	11.70	5.70	12.65	0.17	NA	NA	0.030	NA	136.15
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	351.29	NA	3.54	1.21	8.09	4.56	10.94	0.13	NA	NA	0.020	NA	162.21
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	850.00	NA	5.90	2.60	11.00	5.80	17.00	0.16	NA	NA	0.040	NA	260.00
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	730.00	NA	4.80	1.30	10.00	3.50	14.00	0.12	NA	NA	0.036	NA	160.00
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	354.37	NA	3.96	1.49	8.16	5.90	11.80	0.08	NA	NA	0.050	NA	131.55
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	489.43	NA	4.08	1.41	8.31	3.95	12.09	0.15	NA	NA	0.016	NA	167.70
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	1200.00	NA	5.70	15.00	13.00	4.80	17.00	0.13	NA	NA	0.040	NA	280.00
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	820.00	NA	5.40	1.40	11.00	3.50	14.00	0.08	NA	NA	0.033	NA	200.00
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	1800.00	NA	9.30	3.20	13.00	1.70	22.00	0.24	NA	NA	0.070	NA	330.00
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	950.00	NA	5.70	1.50	12.00	3.00	21.00	0.14	NA	NA	0.037	NA	210.00
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	282.73	NA	3.25	2.70	8.17	13.92	9.72	0.06	NA	NA	0.031	NA	102.27
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	414.58	NA	3.79	1.84	12.63	5.68	17.53	0.28	NA	NA	0.137	NA	131.74
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	442.60	NA	4.52	1.33	12.17	7.65	12.13	NA	NA	NA	0.015	NA	228.09
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	777.78	NA	7.92	3.02	20.25	19.20	22.74	0.45	NA	NA	0.047	NA	220.41
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	717.47	NA	7.23	1.98	16.85	10.83	25.77	0.15	NA	NA	0.033	NA	284.45
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	790.00	NA	16.00	2.80	11.00	6.60	20.00	0.29	NA	NA	0.030	NA	230.00
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	1000.00	NA	11.00	1.80	14.00	6.50	31.00	0.23	NA	NA	0.038	NA	280.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	433.60	NA	10.79	2.90	11.65	19.45	32.55	0.27	NA	1.98	0.084	NA	405.42
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	586.06	NA	6.19	2.19	21.94	24.56	49.63	0.26	NA	2.50	0.050	NA	305.44
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	810.66	NA	7.36	2.25	15.73	25.16	23.26	0.13	NA	NA	0.020	NA	366.58
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	830.00	NA	12.00	3.20	12.00	16.00	27.00	0.24	NA	NA	0.110	NA	430.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	980.00	NA	10.00	2.10	13.00	13.00	38.00	0.23	NA	NA	0.039	NA	320.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	1400.00	NA	11.00	5.90	19.00	12.00	34.00	0.22	NA	NA	0.120	NA	450.00
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	262.77	NA	10.44	2.86	16.37	18.57	70.32	0.19	NA	NA	0.032	NA	415.57
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	419.38	NA	6.94	1.88	27.44	18.94	34.63	0.28	NA	NA	0.044	NA	293.31
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	760.00	NA	6.70	1.40	33.00	17.00	22.00	0.18	NA	NA	0.039	NA	360.00
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	1500.00	6.90	3.00	10.00	110.00	1.40	68.00	0.22	1.80	4.40	0.250	NA	140.00
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	4600.00	NA	0.43	15.00	68.00	2.60	79.00	0.20	NA	NA	0.170	NA	130.00
719.8	Temescal Creek/Nichols Road	TFC	04/02/92	1400.00	NA	3.70	13.00	130.00	0.81	74.00	0.35	NA	NA	0.410	NA	150.00
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	740.00	NA	3.60	1.40	8.50	2.40	10.00	0.10	NA	NA	0.530	NA	150.00
721.0	Newport Bay/Entrance	TCM	12/21/87	635.71	NA	6.40	2.61	10.33	6.60	13.55	0.14	NA	NA	0.048	NA	185.71
721.0	Newport Bay/Entrance	TCM	12/20/88	154.83	NA	4.83	1.17	10.78	3.11	9.56	0.19	NA	NA	0.033	NA	164.61
721.0	Newport Bay/Entrance	TCM	12/27/89	153.59	NA	4.32	1.10	8.35	4.05	6.28	0.10	NA	NA	0.012	NA	226.24
721.0	Newport Bay/Entrance	TCM	12/21/90	870.00	NA	8.20	2.30	11.00	4.70	14.00	0.21	NA	NA	0.040	NA	290.00
723.0	Newport Bay/Bay Island	TCM	12/21/87	601.19	NA	6.53	2.28	13.45	7.28	21.57	0.11	NA	NA	0.058	NA	267.86

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
723.0	Newport Bay/Bay Island	TCM	12/27/89	268.54	NA	4.02	0.98	12.07	4.58	11.83	0.10	NA	NA	0.003	NA	228.60
723.0	Newport Bay/Bay Island	TCM	12/21/90	780.00	NA	7.30	10.00	12.00	5.70	14.00	0.19	NA	NA	0.030	NA	330.00
723.0	Newport Bay/Bay Island	TCM	12/22/91	670.00	NA	7.30	1.30	20.00	3.80	25.00	0.19	NA	NA	0.030	NA	300.00
723.4	Newport Bay/Turning Basin	TCM	12/21/87	281.84	NA	11.19	1.90	20.19	12.98	23.14	0.23	NA	NA	0.084	NA	365.85
723.4	Newport Bay/Turning Basin	TCM	12/20/88	222.75	NA	8.42	1.42	24.75	10.17	25.25	0.33	NA	NA	0.042	NA	322.75
723.4	Newport Bay/Turning Basin	TCM	12/27/89	232.71	NA	8.29	1.64	31.73	8.84	16.36	0.17	NA	NA	0.024	NA	355.81
723.4	Newport Bay/Turning Basin	TCM	12/21/90	460.00	NA	15.00	3.40	22.00	10.00	32.00	0.34	NA	NA	0.290	NA	660.00
723.4	Newport Bay/Turning Basin	TCM	12/22/91	440.00	NA	10.00	1.20	27.00	10.00	22.00	0.23	NA	NA	0.035	NA	470.00
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	826.29	NA	10.99	2.95	13.64	8.21	38.92	0.17	NA	NA	0.047	NA	291.32
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	296.67	NA	4.33	0.94	9.17	3.78	12.61	0.18	NA	NA	0.028	NA	199.89
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	413.56	NA	5.57	1.52	9.96	3.92	14.48	0.12	NA	NA	0.011	NA	271.15
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	490.00	NA	12.00	2.60	11.00	4.50	17.00	0.26	NA	NA	0.050	NA	340.00
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	510.00	NA	9.60	1.20	18.00	3.30	22.00	0.17	NA	NA	0.036	NA	290.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	2200.00	NA	18.00	4.50	20.00	4.90	73.00	0.30	NA	NA	0.047	NA	430.00
725.0	Newport Bay/Crows Nest	TCM	12/21/87	366.91	NA	10.91	2.75	33.05	14.27	25.95	0.38	NA	NA	0.058	NA	471.22
725.0	Newport Bay/Crows Nest	TCM	12/20/88	175.00	NA	7.81	1.31	53.06	9.44	14.19	0.49	NA	NA	0.025	NA	345.00
725.0	Newport Bay/Crows Nest	TCM	12/27/89	150.54	NA	7.69	1.34	44.94	10.90	13.12	0.23	NA	NA	0.017	NA	392.32
725.0	Newport Bay/Crows Nest	TCM	12/21/90	500.00	NA	15.00	2.80	55.00	11.00	14.00	0.52	NA	NA	0.040	NA	760.00
725.0	Newport Bay/Crows Nest	TCM	12/22/91	380.00	NA	8.60	1.10	23.00	13.00	18.00	0.38	NA	NA	0.041	NA	460.00
725.0	Newport Bay/Crows Nest	TCM	01/05/93	460.00	NA	13.00	20.00	73.00	8.30	33.00	0.40	NA	NA	0.046	NA	670.00
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	558.89	NA	11.48	3.71	68.50	14.97	36.52	0.34	NA	NA	0.068	NA	538.85
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	443.79	NA	8.36	1.93	76.93	13.57	27.50	0.58	NA	NA	0.050	NA	413.57
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	385.58	NA	6.33	1.58	13.75	4.17	32.17	0.27	NA	NA	0.033	NA	240.25
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	745.24	NA	7.52	3.56	9.50	6.84	36.57	0.08	NA	NA	0.055	NA	183.57
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	167.00	NA	10.45	1.64	11.45	3.00	18.91	0.30	NA	NA	0.036	NA	259.73
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	81.90	NA	9.07	1.75	84.81	13.43	18.79	0.26	NA	NA	0.026	NA	578.75
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	43000.00	NA	2.00	45.00	460.00	84.00	260.00	8.80	NA	NA	0.230	NA	240.00
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	770.00	NA	14.00	9.70	48.00	1.10	18.00	0.54	NA	NA	0.030	NA	720.00
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	640.00	NA	6.60	1.50	25.00	16.00	27.00	0.43	NA	NA	0.044	NA	430.00
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	440.00	NA	24.00	13.00	97.00	8.50	61.00	0.55	NA	NA	0.095	NA	880.00
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	770.00	NA	1.90	9.30	68.00	4.50	30.00	0.74	NA	NA	0.040	NA	270.00
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	560.00	NA	0.82	1.10	105.00	1.30	55.00	0.27	NA	NA	0.230	NA	140.00
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	131.69	NA	12.68	0.91	37.78	0.46	23.33	0.15	NA	NA	0.227	NA	116.46
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	75.40	NA	16.00	0.40	55.80	0.80	35.80	0.52	NA	NA	0.440	NA	190.60
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	1596.11	NA	1.78	7.48	56.89	1.72	46.21	0.22	NA	NA	0.035	NA	192.69
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	1600.00	NA	110.00	9.30	65.00	2.10	50.00	0.28	NA	NA	0.070	NA	180.00
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	550.00	NA	1.00	1.50	66.00	0.39	24.00	0.18	NA	NA	0.140	NA	100.00
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	1554.77	NA	1.59	7.14	55.56	1.75	45.84	0.21	NA	NA	0.038	NA	187.85
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	670.54	NA	10.31	1.44	36.20	1.01	24.92	0.14	NA	NA	0.202	NA	115.50
728.7	Upper Newport Bay/Drain 4	TFC	03/14/90	2678.38	NA	2.82	15.85	134.14	4.49	47.97	0.15	NA	NA	0.090	NA	252.97

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	560.00	NA	2.60	9.10	75.00	1.50	36.00	0.34	NA	NA	0.060	NA	220.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	510.00	NA	0.88	0.71	56.00	0.52	45.00	0.27	NA	NA	0.140	NA	100.00
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	202.02	NA	19.24	1.96	39.75	1.00	16.36	0.18	NA	NA	0.333	NA	104.04
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	1698.51	NA	2.34	10.84	66.17	7.06	57.32	0.32	NA	NA	0.070	NA	190.44
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	59000.00	NA	2.10	3.50	2.70	18.00	110.00	ND	NA	NA	0.050	NA	14.00
730.0	Huntington Beach Pier	RCM	12/26/90	820.00	NA	0.80	2.70	11.00	5.50	18.00	0.10	NA	NA	2.900	NA	210.00
735.0	Corona Del Mar	RCM	12/26/90	390.00	NA	2.30	2.10	11.00	5.40	9.80	0.14	NA	NA	4.800	NA	290.00
735.0	Corona Del Mar	RCM	11/29/91	290.00	NA	2.10	1.20	8.20	4.20	9.40	0.17	NA	NA	2.500	NA	230.00
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	30000.00	NA	1.90	72.00	130.00	26.00	320.00	0.07	NA	NA	0.280	NA	160.00
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	790.00	NA	7.00	1.70	90.00	5.00	12.00	0.23	NA	NA	0.046	NA	440.00
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	1600.00	NA	19.00	3.80	120.00	7.90	16.00	0.24	NA	NA	0.075	NA	840.00
744.1	San Onofre 1	TCM	01/30/89	197.76	NA	2.86	1.10	7.81	1.00	6.24	0.18	NA	NA	0.671	NA	121.76
744.1	San Onofre 1	TCM	09/27/90	140.00	6.50	1.60	0.60	6.90	0.58	4.30	0.04	NA	NA	1.100	NA	120.00
744.1	San Onofre 1	TCM	03/12/91	460.00	12.00	6.50	13.00	9.20	1.90	8.90	0.12	NA	NA	1.100	NA	190.00
744.1	San Onofre 1	TCM	10/24/91	450.00	4.80	1.80	0.88	6.60	0.88	7.80	0.06	NA	2.00	1.500	NA	100.00
744.1	San Onofre 1	TCM	03/25/92	760.00	7.90	5.20	1.50	7.40	1.40	11.00	0.14	NA	3.30	0.320	NA	170.00
744.2	San Onofre 2	TCM	01/30/89	200.88	NA	2.58	0.88	7.42	0.35	5.77	0.19	NA	NA	0.481	NA	103.08
744.2	San Onofre 2	TCM	11/22/89	218.10	8.73	2.89	0.84	6.53	1.18	6.18	0.07	0.72	2.33	1.198	14.66	181.60
744.2	San Onofre 2	TCM	10/01/90	170.00	7.10	1.30	0.50	6.40	0.65	5.10	0.05	NA	NA	0.920	NA	130.00
744.2	San Onofre 2	TCM	03/12/91	330.00	12.00	7.40	1.50	13.00	2.10	6.10	0.16	NA	NA	0.910	NA	190.00
744.2	San Onofre 2	TCM	03/25/92	810.00	8.00	5.10	1.30	8.40	1.50	12.00	0.13	NA	3.70	0.460	NA	160.00
744.3	San Onofre 3	TCM	11/22/89	334.66	8.43	3.08	0.87	6.89	1.40	6.69	0.07	0.97	2.70	1.246	19.03	167.85
744.3	San Onofre 3	TCM	04/04/90	233.24	10.67	4.01	0.89	6.05	1.56	6.36	0.11	1.18	2.77	0.631	10.74	135.77
744.3	San Onofre 3	TCM	09/27/90	210.00	7.30	1.50	0.60	7.00	0.67	6.10	0.05	NA	NA	1.100	NA	120.00
744.3	San Onofre 3	TCM	03/12/91	350.00	9.90	4.50	1.40	13.00	1.80	6.70	0.14	NA	NA	0.390	NA	160.00
744.3	San Onofre 3	TCM	03/25/92	760.00	8.30	5.50	1.90	8.30	1.60	12.00	0.14	NA	3.60	0.290	NA	170.00
744.4	San Onofre 4	TCM	01/30/89	141.20	NA	4.12	0.84	7.00	0.96	5.08	0.17	NA	NA	0.476	NA	95.32
744.4	San Onofre 4	TCM	11/22/89	322.01	7.87	2.61	0.97	7.07	1.25	6.55	0.06	1.00	2.77	1.762	17.29	167.10
744.4	San Onofre 4	TCM	04/04/90	166.25	9.97	3.55	0.72	4.97	1.56	5.55	0.10	1.24	2.97	0.583	9.11	130.61
744.4	San Onofre 4	TCM	03/12/91	660.00	9.30	3.90	7.20	10.40	1.80	9.20	0.14	NA	NA	0.790	NA	130.00
744.4	San Onofre 4	TCM	10/24/91	460.00	5.00	2.40	0.87	7.20	0.99	7.90	0.07	NA	2.20	1.700	NA	130.00
744.4	San Onofre 4	TCM	03/25/92	670.00	7.90	4.70	1.10	7.60	1.50	12.00	0.11	NA	2.90	0.270	NA	160.00
744.5	San Onofre 5	TCM	01/30/89	112.28	NA	3.64	0.92	7.96	1.00	4.88	0.19	NA	NA	0.492	NA	100.40
744.5	San Onofre 5	TCM	11/22/89	166.52	8.00	2.80	0.76	6.68	1.07	4.87	0.06	0.70	2.03	1.548	10.89	148.19
744.5	San Onofre 5	TCM	04/04/90	112.04	9.30	3.36	0.53	5.46	1.54	4.85	0.08	1.12	2.60	0.581	7.69	119.14
744.5	San Onofre 5	TCM	10/01/90	180.00	6.60	1.40	0.60	6.90	0.61	5.20	0.06	NA	NA	0.930	NA	120.00
744.5	San Onofre 5	TCM	03/12/91	400.00	12.00	6.40	5.00	8.70	1.70	7.40	0.14	NA	NA	1.100	NA	170.00
744.5	San Onofre 5	TCM	03/25/92	610.00	7.70	5.40	1.10	7.80	1.50	11.00	0.11	NA	3.50	0.310	NA	160.00
744.6	San Onofre 6	TCM	01/30/89	182.92	NA	3.96	1.04	6.58	1.13	5.00	0.15	NA	NA	0.613	NA	107.38
744.6	San Onofre 6	TCM	11/22/89	191.73	8.43	2.32	0.74	7.23	1.00	4.79	0.06	0.71	2.80	1.503	10.84	155.69

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
744.6	San Onofre 6	TCM	04/04/90	116.15	9.37	4.17	0.83	6.46	1.65	5.41	0.11	1.30	2.70	0.732	7.90	141.95
744.6	San Onofre 6	TCM	09/27/90	200.00	7.20	1.30	0.50	7.30	0.56	6.50	0.05	NA	NA	0.100	NA	110.00
744.6	San Onofre 6	TCM	03/12/91	130.00	13.00	4.80	3.90	8.60	1.50	7.50	0.11	NA	NA	0.070	NA	150.00
744.6	San Onofre 6	TCM	10/24/91	440.00	4.80	2.10	0.92	6.70	1.10	8.30	0.06	NA	2.60	1.000	NA	120.00
744.6	San Onofre 6	TCM	03/25/92	840.00	8.70	5.20	1.80	7.90	1.40	13.00	0.11	NA	3.50	0.410	NA	150.00
748.0	Oceanside/Harbor	TCM	12/21/87	858.80	NA	10.35	3.29	80.14	9.38	22.52	0.38	NA	NA	0.081	NA	474.31
748.0	Oceanside/Harbor	TCM	01/05/93	720.00	NA	14.00	11.00	43.00	3.70	9.40	0.22	NA	NA	0.046	NA	450.00
748.0	Oceanside/Harbor	TCM	12/21/91	600.00	NA	12.00	1.40	72.00	3.20	14.00	0.30	NA	NA	0.045	NA	420.00
750.0	Oceanside	RCM	12/21/87	499.02	NA	1.33	2.13	6.26	1.32	9.88	0.08	NA	NA	0.865	NA	132.55
750.0	Oceanside	RCM	12/20/88	290.53	NA	1.53	1.32	8.63	1.21	8.42	0.08	NA	NA	0.421	53.89	120.37
750.0	Oceanside	RCM	12/21/89	348.02	NA	2.50	1.16	6.99	1.81	8.70	0.14	NA	NA	0.303	NA	260.97
750.0	Oceanside	RCM	12/22/90	810.00	9.30	1.00	1.90	9.90	1.40	15.00	0.10	NA	NA	0.780	NA	180.00
750.0	Oceanside	RCM	12/21/91	810.00	6.10	1.20	1.30	9.90	0.94	18.00	0.08	NA	3.60	0.610	NA	150.00
750.0	Oceanside	RCM	09/09/92	640.00	NA	0.77	1.20	7.20	0.70	15.00	0.04	NA	NA	0.170	NA	120.00
751.0	Oceanside/Transplant	SED	12/22/90	59000.00	NA	1.90	28.00	320.00	58.00	380.00	3.50	NA	NA	0.080	NA	120.00
832.0	La Jolla	RCM	12/22/90	640.00	NA	1.70	1.90	7.50	3.50	8.40	0.25	NA	NA	6.100	NA	150.00
832.0	La Jolla	RCM	11/26/91	410.00	NA	1.50	1.00	6.30	2.50	8.20	0.15	NA	NA	2.600	NA	150.00
832.0	La Jolla	RCM	01/05/93	240.00	NA	2.20	1.60	7.30	2.50	5.10	0.23	NA	NA	5.400	NA	220.00
838.2	Point Loma/Sunset Cliffs	RCM	12/22/87	379.49	NA	2.31	2.36	11.59	4.62	8.31	0.56	NA	NA	1.315	NA	213.85
838.2	Point Loma/Sunset Cliffs	RCM	12/20/88	257.64	NA	1.86	1.29	12.50	2.93	8.14	0.34	NA	NA	1.429	NA	187.36
838.2	Point Loma/Sunset Cliffs	RCM	12/21/89	303.33	NA	2.64	1.65	11.93	3.81	8.91	0.28	NA	NA	31.883	NA	255.82
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	6100.00	NA	14.00	15.00	75.00	36.00	120.00	1.90	NA	NA	20.000	NA	1700.00
838.2	Point Loma/Sunset Cliffs	RCM	11/26/91	490.00	NA	1.30	1.10	11.00	2.20	12.00	0.25	NA	NA	7.600	NA	180.00
838.2	Point Loma/Sunset Cliffs	RCM	09/09/92	340.00	NA	0.74	1.10	9.40	1.70	7.60	0.17	NA	NA	2.800	NA	150.00
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	12/20/88	261.44	NA	1.88	1.44	11.69	1.75	9.44	0.28	NA	NA	1.050	NA	189.56
840.0	Naval Ocean Sys Cntr/Dolphin Tanks	RCM	01/05/93	620.00	NA	1.00	1.80	12.00	1.70	13.00	0.30	NA	NA	7.000	NA	240.00
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	103.09	NA	8.10	1.40	6.94	1.71	13.10	0.14	NA	NA	0.021	NA	190.48
866.0	Fisherman Channel	SED	09/03/90	30000.00	NA	1.80	38.00	31.00	20.00	590.00	0.04	NA	NA	0.070	NA	63.00
866.0	Fisherman Channel	TCM	12/22/90	1000.00	NA	6.10	1.90	11.00	2.80	15.00	0.20	NA	NA	0.040	NA	220.00
868.5	Mission Bay/Landfill 1	SED	09/01/89	14427.00	NA	0.36	19.94	10.89	11.25	218.28	0.01	NA	NA	0.024	NA	39.32
868.5	Mission Bay/Landfill 1	TCM	12/21/89	572.38	NA	7.16	1.48	8.76	1.78	10.12	0.15	NA	NA	0.050	NA	216.45
868.5	Mission Bay/Landfill 1	SED	09/03/90	67000.00	NA	2.20	48.00	16.00	20.00	800.00	ND	NA	NA	0.060	NA	83.00
868.5	Mission Bay/Landfill 1	TCM	12/22/90	840.00	NA	4.10	8.70	10.00	1.60	11.00	0.15	NA	NA	0.060	NA	160.00
868.5	Mission Bay/Landfill 1	TCM	12/21/91	620.00	NA	4.90	1.30	8.50	1.20	15.00	0.14	NA	NA	0.054	NA	130.00
868.6	Mission Bay/Landfill 2	SED	09/03/90	51000.00	NA	1.70	65.00	23.00	22.00	930.00	ND	NA	NA	0.080	NA	110.00
868.6	Mission Bay/Landfill 2	TCM	12/21/91	720.00	NA	4.90	1.10	8.50	1.20	10.00	0.14	NA	NA	0.044	NA	140.00
871.0	Mission Bay/South Shore/Rock 2	TCM	01/05/93	1100.00	NA	7.20	34.00	9.80	1.70	15.00	0.13	NA	NA	0.130	NA	200.00
872.4	Mission Bay/Kendall-Frost Reserve	TCM	01/04/93	1100.00	NA	12.00	16.00	13.00	4.20	17.00	0.25	NA	NA	0.069	NA	230.00
873.5	Mission Bay/Harbor Police	TCM	01/04/93	650.00	NA	11.00	1.80	62.00	4.30	13.00	0.17	NA	NA	0.062	NA	470.00
881.0	San Diego Bay/Sweetwater Marsh	TCM	12/21/88	552.35	NA	4.30	1.30	20.45	2.35	18.65	0.19	NA	NA	0.205	NA	285.70

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
881.3	Sweetwater River/Mouth 1	SED	09/07/90	65000.00	NA	2.40	35.00	32.00	22.00	670.00	0.04	NA	NA	0.200	NA	110.00
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	1800.00	NA	6.90	2.30	18.00	3.40	20.00	0.29	NA	NA	0.510	NA	400.00
881.3	Sweetwater River/Mouth 1	SED	08/31/91	25000.00	NA	0.40	67.00	53.00	36.00	570.00	0.18	NA	NA	0.940	NA	240.00
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	760.00	NA	10.00	1.20	22.00	2.90	39.00	0.21	NA	NA	0.190	NA	300.00
881.4	Sweetwater River/Mouth 2	SED	08/31/91	64000.00	NA	0.10	34.00	10.00	8.90	780.00	ND	NA	NA	0.066	NA	70.00
881.5	San Diego Bay/Rohr Channel Mouth	TCM	01/05/93	1600.00	NA	12.00	2.70	28.00	3.60	36.00	0.18	NA	NA	0.390	NA	380.00
882.0	24th St Maritime Terminal/South	TCM	12/22/87	766.67	NA	7.22	2.70	56.07	4.58	30.93	0.18	NA	NA	0.340	NA	302.62
882.0	24th St Maritime Terminal/South	TCM	12/21/91	670.00	7.20	9.70	1.60	34.00	2.80	32.00	0.20	1.20	2.60	0.240	NA	280.00
882.2	24Th St Maritime Terminal/North	TCM	12/21/88	544.07	NA	5.64	2.64	77.21	4.79	41.07	0.24	NA	NA	0.593	NA	311.43
882.2	24Th St Maritime Terminal/North	SED	09/01/89	37921.00	NA	1.84	65.18	2596.60	79.30	260.56	0.10	NA	NA	1.010	NA	452.28
882.2	24Th St Maritime Terminal/North	TCM	12/21/89	474.75	NA	11.77	2.58	44.21	0.49	28.38	0.31	NA	NA	0.499	NA	477.89
882.2	24Th St Maritime Terminal/North	TCM	01/05/93	1200.00	NA	12.00	2.40	66.00	4.10	27.00	0.23	NA	NA	0.350	NA	370.00
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	515.63	NA	8.59	2.96	44.30	7.96	21.85	0.20	NA	NA	0.287	NA	337.76
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	303.48	NA	11.32	2.77	168.93	11.22	55.90	0.52	NA	NA	0.465	NA	580.10
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	231.93	NA	9.07	2.57	87.50	7.64	29.21	0.29	NA	NA	0.479	NA	410.50
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	690.00	NA	20.00	11.00	58.00	6.20	21.00	0.36	NA	NA	0.310	NA	470.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	366.20	NA	7.40	2.47	65.67	6.93	28.47	0.30	NA	NA	0.653	NA	344.87
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	390.00	NA	14.00	1.60	51.00	5.40	25.00	0.27	NA	2.10	0.240	NA	410.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	640.00	NA	9.50	1.70	48.00	5.10	34.00	0.25	NA	NA	0.280	NA	370.00
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	414.56	NA	7.81	3.00	78.06	8.81	26.00	0.22	NA	NA	1.138	NA	361.25
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	352.14	NA	7.64	3.57	58.36	15.43	41.29	0.27	NA	NA	0.493	NA	463.07
883.4	San Diego Bay/Continental Maritime	TCM	12/21/88	321.21	NA	7.36	2.36	55.36	5.86	30.50	0.24	NA	NA	0.536	NA	296.64
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	550.00	NA	17.00	19.00	37.00	6.00	23.00	0.29	NA	NA	0.250	NA	450.00
883.5	San Diego Bay/Tuna Docks	TCM	12/21/88	355.13	NA	7.47	2.47	52.40	6.40	23.60	0.37	NA	NA	0.513	NA	374.00
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	355.69	NA	7.38	2.16	38.84	20.72	45.18	0.13	NA	NA	0.313	NA	561.79
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	448.17	NA	5.89	2.67	91.78	14.61	57.56	0.19	NA	NA	0.606	NA	452.06
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	39000.00	NA	2.10	73.00	150.00	45.00	500.00	0.43	NA	NA	1.100	NA	210.00
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	41000.00	NA	0.40	82.00	200.00	45.00	460.00	0.46	NA	NA	1.600	NA	240.00
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	460.00	NA	17.00	2.90	42.00	7.80	14.00	0.34	NA	NA	0.290	NA	420.00
885.2	San Diego Bay/32nd Street	TCM	12/21/88	364.38	NA	8.38	4.92	72.08	5.08	35.77	0.23	NA	NA	0.662	NA	406.69
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	254.19	NA	7.50	2.44	55.94	5.88	32.06	0.28	NA	NA	0.550	NA	356.88
887.0	San Diego Bay/Evans Street	SED	09/07/90	29000.00	NA	2.10	110.00	420.00	110.00	350.00	1.50	NA	NA	2.100	NA	600.00
887.0	San Diego Bay/Evans Street	TCM	12/22/90	660.00	NA	11.00	12.00	52.00	5.90	25.00	0.39	NA	NA	0.350	NA	460.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	530.00	NA	8.60	1.60	36.00	6.40	30.00	0.22	NA	NA	0.290	NA	340.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	790.00	NA	13.00	2.70	58.00	8.00	30.00	0.31	NA	NA	0.360	NA	550.00
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	590.00	NA	10.00	1.90	47.00	6.30	29.00	0.23	NA	NA	0.330	NA	390.00
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	340.00	NA	11.00	19.00	24.00	3.50	25.00	0.25	NA	NA	0.160	NA	310.00
891.0	San Diego Bay/G Street Pier	TCM	12/22/87	682.05	NA	8.36	2.49	21.74	8.74	18.80	0.25	NA	NA	0.308	NA	401.03
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	380.00	NA	14.00	24.00	29.00	5.90	13.00	0.23	NA	NA	0.500	NA	350.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	424.88	NA	9.32	9.63	32.49	24.40	21.20	0.19	NA	NA	0.967	NA	434.04

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APPENDIX M (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Trace Elements in Mussels, Clams, and Sediment (ppm, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aluminum	Arsenic	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Titanium	Zinc
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	412.06	NA	7.67	5.22	43.06	16.28	19.94	0.19	NA	NA	1.433	NA	365.72
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/01/89	13811.50	NA	10.58	12.70	136.35	157.80	876.92	0.22	NA	NA	0.050	NA	397.79
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	420.52	NA	7.65	7.34	37.69	15.52	12.88	0.21	NA	NA	1.295	NA	392.32
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	66000.00	NA	7.70	78.00	110.00	230.00	210.00	0.35	NA	NA	1.300	NA	360.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	1300.00	NA	13.00	170.00	85.00	23.00	47.00	0.46	NA	NA	2.200	NA	530.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	37000.00	NA	8.50	780.00	86.00	270.00	340.00	0.35	NA	NA	2.800	NA	840.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	600.00	NA	9.00	11.00	38.00	16.00	23.00	0.28	NA	NA	1.000	NA	340.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	640.00	NA	16.00	6.60	54.00	16.00	22.00	0.31	NA	NA	1.600	NA	580.00
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	361.13	NA	5.13	2.80	76.00	2.20	25.93	0.34	NA	NA	0.547	NA	348.87
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	244.37	NA	4.16	3.42	36.26	6.79	15.32	0.23	NA	NA	0.474	NA	271.21
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	330.00	NA	6.69	4.75	29.94	10.44	10.94	0.22	NA	NA	0.538	NA	277.69
894.8	Laurel Street Storm Drain	TCM	12/21/88	391.93	NA	7.86	3.14	24.86	9.64	15.29	0.21	NA	NA	0.693	NA	313.79
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	340.00	NA	17.00	1.80	25.00	5.80	14.00	0.28	NA	NA	0.700	NA	430.00
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	351.40	NA	8.15	2.42	42.63	10.40	29.80	0.42	NA	NA	0.149	NA	661.65
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	311.42	NA	6.50	2.25	106.33	9.92	14.75	0.62	NA	NA	0.442	NA	386.08
898.0	Commercial Basin/Carlton Street	TCM	12/21/89	353.72	NA	5.71	1.60	137.21	11.53	19.88	0.70	NA	NA	0.318	NA	639.30
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	530.00	NA	19.00	2.70	100.00	12.00	20.00	0.72	NA	NA	0.220	NA	870.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	280.81	NA	6.00	2.56	10.69	3.56	7.69	0.20	NA	NA	0.256	NA	204.19
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/89	360.00	NA	5.70	1.40	13.00	4.40	10.00	0.21	NA	NA	0.080	NA	280.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	500.00	6.40	6.40	1.40	14.00	3.50	13.00	0.16	0.70	1.80	0.120	NA	250.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	1000.00	NA	12.00	2.20	20.00	5.20	13.00	0.28	NA	NA	0.130	NA	420.00
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	600.00	NA	11.00	2.20	180.00	7.00	14.00	0.57	NA	NA	0.310	NA	880.00
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	261.08	NA	6.35	1.54	40.77	5.31	11.17	0.31	NA	NA	0.095	NA	423.15
901.0	San Diego Bay/Degausing Station	SED	09/07/90	7600.00	NA	2.40	26.00	8.20	22.00	250.00	ND	NA	NA	0.080	NA	45.00
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	590.00	NA	4.20	1.40	12.00	2.50	16.00	0.11	NA	NA	0.180	NA	200.00
904.0	Imperial Beach/Pier	RCM	12/22/90	700.00	NA	1.20	1.70	11.00	2.30	14.00	0.16	NA	NA	4.100	NA	190.00

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APPENDIX N

Summary of 1987-93 Data

Organic Chemicals in Mussels, Clams, and Sediment

(ppb, wet weight)

(See Appendix DD for corrected phenol data from 1984-85 and 1986-87)

APPENDIX N

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
1.0	Crescent City Harbor	SED	03/12/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	ND	ND	1.1	ND	1.2	ND	1.5	ND	3.9	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	1.3	ND	0.7	0.2	0.6	ND	2.8	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	03/12/92	ND	NA	ND	2.0	ND	1.6	ND	1.5	ND	5.1	ND	ND	NA
2.1	Crescent City Harbor Jetty	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	Crescent City/Control	RCM	02/12/88	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
3.0	Crescent City/Control	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	0.5	ND	2.0	ND	4.3	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	0.5	NA	NA	0.5	ND	ND	ND
2.0	ND	1.0	ND	2.9	ND	1.1	ND	ND	5.0	ND	ND	0.7	ND	NA	NA	ND	ND	ND	0.5
2.0	ND	ND	ND	1.5	ND	ND	ND	ND	1.5	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND
2.0	ND	ND	ND	8.8	ND	1.2	ND	ND	10.0	ND	NA	1.0	ND	ND	ND	ND	ND	ND	0.3
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	0.5
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND	NA	NA	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	NA	NA	ND	ND	ND	0.7

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.0
2.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	3.2	ND	NA	3.2	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
2.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	7.1	ND	ND	7.1	NA	ND	NA
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	0.6	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
3.0	Crescent City/Control	RCM	02/27/90	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
10.0	Trinidad Head	RCM	09/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/20/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	ND	NA	ND	0.8	ND	0.6	ND	0.2	ND	1.6	ND	ND	NA
10.0	Trinidad Head	RCM	10/22/92	ND	NA	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	NA
95.0	McDaniel Slough	SED	09/18/90	ND	ND	ND	0.6	ND	0.9	ND	ND	ND	1.5	ND	ND	ND
95.0	McDaniel Slough	SED	10/08/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
3.0	ND	ND	ND	1.6	ND	ND	ND	ND	1.6	ND	ND	0.7	ND	NA	NA	ND	ND	ND	0.6
3.0	ND	ND	ND	0.7	ND	ND	ND	ND	0.7	ND	NA	0.7	ND	ND	ND	ND	ND	ND	0.4
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	ND	ND	1.3
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	ND	ND	1.6
10.0	ND	ND	ND	1.4	ND	ND	ND	ND	1.4	ND	ND	0.3	ND	ND	ND	ND	ND	ND	1.7
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.5	ND	ND	ND	ND	ND	ND	1.2
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.5	ND	ND	ND	ND	ND	ND	1.0
95.0	ND	2.6	ND	ND	ND	3.5	ND	ND	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
3.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	4.5
10.0	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	1.3	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	0.3	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
95.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.4	32.5	162.5	43.9	ND	ND	NA
95.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
99.0	Mad River/Oyster Docks	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/12/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/27/91	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
100.0	Mad River Slough	SED	10/08/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/25/92	ND	NA	ND	0.4	ND	ND	ND	ND	ND	0.4	ND	ND	NA
100.5	Arcata Dock	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	NA	NA	ND	ND	ND	0.5
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	ND	ND	ND
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	0.4	ND	ND	ND	ND	0.4	ND	NA	0.7	ND	ND	ND	ND	ND	ND	0.3
100.5	ND	ND	ND	ND	ND	2.5	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	1.4	ND	ND	1.4	NA	ND	NA
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
100.5	Arcata Dock	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	Mad River/Oyster Bed	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	Bird Island	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/27/91	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/27/91	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	ND	NA	ND	0.3	ND	0.2	ND	0.2	ND	0.7	ND	ND	NA
102.5	Woodley Island	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.3
102.0	ND	ND	ND	0.7	ND	ND	ND	ND	0.7	ND	ND	0.6	ND	NA	NA	ND	ND	ND	0.5
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.3
102.0	ND	ND	ND	1.2	ND	ND	ND	ND	1.2	ND	NA	0.7	ND	ND	ND	ND	ND	ND	0.2
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	ND	0.4	ND	NA	NA	ND	ND	ND	0.6

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.8	ND	NA	4.8	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	4.8	ND	ND	4.8	NA	ND	NA
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	119.9
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.8	ND	NA	4.8	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
103.0	Eureka Channel	TCM	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/25/92	ND	NA	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	NA
103.0	Eureka Channel	TCM	02/17/93	ND	NA	ND	0.2	ND	0.2	ND	ND	ND	0.4	ND	ND	NA
103.2	Louisiana Pacific Dock	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	E Street	TCM	02/27/91	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
103.3	E Street	TCM	02/25/92	ND	NA	ND	0.3	ND	0.2	ND	ND	ND	0.5	ND	ND	NA
103.7	Eda Dock	TCM	02/27/91	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.3	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
103.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.3
103.0	ND	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	NA	0.5	ND	ND	ND	ND	ND	ND	0.2
103.0	ND	ND	ND	0.5	ND	ND	ND	ND	0.5	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.2
103.3	ND	ND	ND	1.3	ND	ND	ND	ND	1.3	ND	NA	0.8	ND	ND	ND	ND	ND	ND	0.1
103.7	ND	ND	ND	0.9	ND	ND	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.2	ND	NA	NA	ND	ND	NA	ND
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	ND	ND	0.4

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
103.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4.2	ND	ND	4.2	NA	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	8.9	ND	ND	8.9	ND	ND	NA
103.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	25.0	ND	ND	25.0	NA	ND	NA
103.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
104.0	Eureka STP/Outfall	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	ND	NA	ND	0.2	ND	0.2	ND	ND	ND	0.4	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/12/88	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	ND	NA	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/17/93	ND	NA	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	NA
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.3
104.0	ND	ND	ND	0.9	ND	ND	ND	ND	0.9	ND	NA	0.7	ND	ND	ND	ND	ND	ND	0.3
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.6
104.5	ND	ND	ND	0.7	ND	ND	ND	ND	0.7	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.6
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	ND	ND	0.4
104.5	ND	ND	ND	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.4
104.5	ND	ND	ND	0.9	ND	ND	ND	ND	0.9	ND	NA	0.7	ND	ND	ND	ND	ND	ND	0.3
104.5	ND	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	NA	0.6	ND	ND	ND	ND	ND	ND	0.2
106.0	ND	ND	ND	1.5	ND	ND	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
106.0	ND	ND	ND	2.1	ND	ND	ND	ND	2.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	2.0	ND	ND	2.0	NA	ND	NA
104.5	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1.8	ND	NA	1.8	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.5	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
104.5	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
106.0	Fields Landing	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/02/93	ND	NA	ND	ND	0.4	ND	ND	ND	ND	0.4	ND	ND	NA
155.1	Lake Pillsbury 1	TFC	03/31/93	ND	NA	ND	0.4	ND	0.2	0.3	0.5	0.2	1.6	ND	ND	NA
155.3	Lake Pillsbury 2	TFC	03/31/93	ND	NA	ND	0.5	ND	0.3	0.4	0.2	0.5	1.9	ND	ND	NA
159.0	Russian River West Fork	TFC	03/06/92	ND	NA	ND	0.2	0.4	0.3	0.3	0.3	0.1	1.6	0.5	ND	NA
159.0	Russian River West Fork	TFC	03/30/93	ND	NA	ND	0.5	ND	0.3	0.4	0.3	ND	1.5	ND	ND	NA
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	1.3	ND	1.4	2.1	1.5	ND	6.3	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	ND	NA	ND	0.6	ND	0.4	0.8	1.2	ND	3.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	ND	0.7	ND	0.6	ND	ND	ND	ND	1.3	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
155.1	0.4	1.4	0.7	10.0	ND	ND	ND	ND	12.5	ND	NA	ND	ND	0.5	ND	0.5	ND	ND	ND
155.3	ND	1.8	0.9	12.0	ND	ND	ND	0.8	15.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
159.0	ND	0.4	0.3	11.0	ND	0.5	ND	ND	12.2	ND	NA	ND	0.2	0.5	1.1	1.8	ND	ND	ND
159.0	ND	1.6	0.9	12.0	ND	0.7	ND	0.8	16.0	ND	NA	ND	0.2	ND	ND	0.2	ND	ND	ND
160.0	ND	2.5	ND	2.9	ND	3.9	ND	ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	1.2	ND	12.0	ND	4.7	ND	ND	17.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	7.8	0.6	1.2	ND	ND	9.6	ND	NA	ND	0.1	0.4	0.9	1.4	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180.0
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47.6
150.4	ND	ND	ND	ND	ND	0.5	ND	NA	NA	ND	NA	ND	5.0	ND	ND	5.0	NA	ND	NA
155.1	ND	ND	0.6	ND	ND	0.1	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
155.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	8.4	25.0	ND	33.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14.0	3.1	NA	17.1	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4.5	8.1	ND	13.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
165.0	Russian River Below Ukiah	TFC	03/30/93	ND	NA	0.1	1.7	0.3	1.9	0.5	1.0	ND	5.5	8.5	ND	NA
175.0	Big Sulfur Creek	TFC	03/30/93	ND	NA	ND	0.5	ND	0.5	0.4	0.5	ND	1.9	ND	ND	NA
176.0	Lake Sonoma	TFC	03/30/93	ND	NA	ND	0.4	ND	0.3	0.4	0.2	0.2	1.5	ND	0.4	NA
190.0	Estero Americano	RCM	12/05/88	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.4	ND	ND	ND
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	0.6	ND	0.3	ND	0.3	0.2	1.4	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	ND	ND	ND	0.3	ND	0.2	ND	ND	ND	0.4	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	NA	ND	0.5	ND	0.3	ND	0.4	0.4	1.6	ND	ND	NA
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	0.4	ND	ND	ND	ND	ND	0.4	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	0.2	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
165.0	ND	2.5	1.0	18.0	1.2	4.9	ND	1.4	29.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	1.4	0.8	10.0	ND	ND	ND	0.8	13.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
176.0	ND	1.4	0.8	11.0	ND	ND	ND	ND	13.2	ND	NA	0.2	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	0.3	NA	NA	0.3	ND	ND	1.2
190.0	ND	ND	ND	1.1	ND	ND	ND	ND	1.1	ND	ND	1.3	ND	NA	NA	ND	ND	ND	0.6
190.0	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	ND	0.9	ND	ND	ND	ND	ND	ND	0.9
190.0	ND	ND	ND	2.2	ND	ND	ND	ND	2.2	ND	NA	1.7	ND	ND	ND	ND	ND	ND	0.7
202.0	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	ND	1.2	ND	ND	ND	ND	ND	ND	0.6
202.0	ND	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	ND	1.6	ND	ND	ND	ND	ND	ND	1.1
202.0	ND	ND	ND	1.8	ND	ND	ND	ND	1.8	ND	ND	0.6	ND	ND	ND	ND	ND	ND	0.7

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	8.0	15.0	ND	ND	23.0	NA	ND	NA
175.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13.0	ND	ND	13.0	NA	ND	NA
176.0	ND	ND	0.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	0.6	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
190.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	2.8
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.2	ND	ND	ND	NA	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.3	ND	ND	ND	NA	ND	ND	ND	44.5

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	0.4	ND	ND	ND	ND	ND	0.4	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	ND	ND	ND	0.6	ND	0.2	ND	ND	ND	0.9	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	ND	NA	ND	0.4	ND	0.2	ND	ND	ND	0.6	ND	ND	NA
202.0	Bodega Head	RCM	09/01/92	ND	NA	ND	ND	ND	0.2	ND	ND	ND	0.2	ND	ND	NA
203.0	Tomales Bay	RBM	01/29/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	12/30/91	ND	NA	ND	0.3	ND	ND	ND	0.2	ND	0.5	ND	ND	NA
204.0	Estero De San Antonio	TCM	02/26/93	ND	NA	ND	0.6	ND	0.3	ND	0.2	ND	1.1	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	SED	12/03/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	ND	ND	ND	ND	ND	ND	ND	0.2	ND	0.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
202.0	ND	ND	ND	1.6	ND	ND	ND	ND	1.6	ND	ND	1.2	ND	ND	ND	ND	ND	ND	0.6
202.0	ND	ND	ND	1.7	ND	ND	ND	ND	1.7	ND	ND	1.8	ND	ND	ND	ND	ND	ND	0.5
202.0	ND	ND	ND	1.2	ND	ND	ND	ND	1.2	ND	NA	1.5	ND	ND	ND	ND	ND	ND	2.0
202.0	ND	ND	ND.	0.7	ND	ND	ND	ND	0.7	ND	NA	1.8	ND	ND	ND	ND	ND	ND	0.5
203.0	ND	ND	ND	0.4	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	2.2	ND	ND	ND	ND	2.2	ND	NA	0.2	ND	ND	ND	ND	ND	ND	0.3
204.0	ND	ND	ND	0.9	ND	ND	ND	ND	0.9	ND	NA	1.5	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	ND	2.6	ND	ND	ND	ND	2.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.2
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	2.1	ND	ND	ND	ND	2.1	ND	ND	0.2	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	0.3	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
203.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
203.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2.1	ND	ND	2.1	NA	ND	NA
204.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4.4	ND	ND	4.4	NA	ND	NA
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	29.7	ND	NA	29.7	ND	ND	128.1
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	11.7	ND	ND	11.7	ND	ND	160.0

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
205.0	Bodega Harbor/Spud Point Marina	SED	01/29/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	ND	NA	ND	ND	ND	0.3	ND	0.3	ND	0.6	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	ND	NA	ND	0.3	ND	0.2	ND	0.2	ND	0.7	ND	ND	NA
207.0	Point Reyes	RCM	01/29/91	ND	ND	ND	0.5	ND	0.3	ND	ND	ND	0.8	ND	ND	ND
280.0	Russian River/S Goat Rock	TCM	02/25/93	ND	NA	ND	0.9	ND	0.5	ND	0.4	0.3	2.1	ND	ND	NA
290.0	Russian River/near Moscow	TFC	03/30/93	ND	NA	ND	0.7	ND	0.6	0.5	0.6	0.1	2.5	2.2	0.7	NA
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	NA	ND	1.3	0.2	0.7	0.5	1.8	0.1	4.6	0.4	ND	NA
294.5	Green Valley Creek 1	TFC	03/30/93	ND	NA	ND	0.7	ND	0.7	0.6	0.6	ND	2.6	5.0	ND	NA
294.6	Green Valley Creek 2	TFC	03/30/93	ND	NA	ND	1.1	ND	0.7	0.6	0.7	0.7	3.8	35.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	0.5	2.7	ND	ND	ND	ND	3.2	ND	NA	1.1	ND	ND	ND	ND	ND	ND	0.2
205.0	ND	ND	ND	2.8	ND	ND	ND	ND	2.8	ND	NA	0.7	ND	ND	ND	ND	ND	ND	ND
207.0	ND	ND	ND	1.1	ND	ND	ND	ND	1.1	ND	ND	2.1	ND	NA	NA	ND	ND	ND	0.4
280.0	ND	0.7	ND	4.6	ND	1.5	ND	ND	6.8	ND	NA	1.5	ND	ND	ND	ND	ND	ND	0.3
290.0	0.7	1.7	0.9	13.0	ND	0.7	ND	0.9	17.9	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.2	1.2	1.5	ND	6.3	0.7	6.4	ND	ND	16.1	ND	NA	0.2	ND	ND	1.0	1.0	ND	ND	ND
294.5	ND	2.0	1.4	19.0	ND	ND	ND	1.2	23.6	4.9	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.6	12.0	10.0	1.9	39.0	3.1	17.0	ND	2.0	85.0	ND	NA	1.0	ND	ND	0.4	0.4	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	1.8	NA	NA	ND	NA	ND	7.3	ND	ND	7.3	NA	ND	40.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.7	NA	ND	20.0	ND	ND	20.0	NA	ND	20.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	52.0
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
280.0	0.2	ND	ND	ND	0.3	ND	ND	NA	NA	ND	NA	ND	5.4	ND	ND	5.4	NA	ND	NA
290.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.3	NA	ND	13.0	ND	ND	13.0	NA	ND	NA
294.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	6.2	NA	ND	6.3	ND	ND	6.3	NA	ND	NA
294.5	ND	ND	0.6	ND	0.3	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	NA
294.6	ND	0.2	0.7	ND	ND	0.1	ND	NA	NA	2.0	NA	4.8	14.0	ND	ND	19.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	ND	0.2	4.7	ND	2.8	2.1	6.4	ND	16.0	2.7	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	0.3	5.6	0.5	5.5	3.6	3.6	0.3	19.4	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	ND	ND	0.3	3.9	0.5	2.9	2.0	4.0	0.2	13.8	0.4	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	ND	ND	0.3	2.3	ND	1.1	0.6	1.9	ND	6.2	1.6	ND	5.9
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	0.5	2.2	0.5	2.2	1.7	1.9	ND	9.0	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	ND	ND	0.1	1.3	0.1	1.0	0.8	1.2	ND	4.5	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	ND	ND	0.2	1.7	ND	1.6	ND	2.5	ND	5.9	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	0.3	ND	0.3	0.4	0.8	ND	1.8	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	NA	ND	0.1	ND	0.1	0.1	0.3	ND	0.6	0.2	ND	NA
295.4	Russian River/Wholer Bridge	TFC	12/05/88	ND	ND	ND	0.2	ND	0.1	ND	0.3	ND	0.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.1	ND	ND	ND	2.8	ND	ND	ND	ND	2.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.1	ND	3.5	ND	6.1	ND	6.9	ND	ND	16.5	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND
295.1	0.5	1.4	ND	2.9	ND	1.0	ND	ND	5.9	ND	ND	0.3	ND	NA	NA	ND	ND	ND	ND
295.2	ND	2.4	ND	1.7	ND	ND	ND	ND	4.1	ND	ND	0.1	ND	NA	NA	ND	ND	ND	ND
295.2	ND	0.9	ND	7.5	ND	1.2	ND	ND	9.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	0.8	ND	3.5	ND	0.8	ND	ND	5.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	ND	ND	4.6	ND	1.2	ND	ND	5.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	0.6	ND	7.4	ND	2.1	ND	ND	10.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	3.6	ND	ND	ND	ND	3.6	ND	NA	0.1	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	2.7	ND	ND	ND	ND	2.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	9.0	ND	NA	9.0	ND	ND	NA
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	11.0	ND	NA	11.0	ND	ND	NA
295.1	ND	ND	ND	0.1	0.1	0.2	ND	ND	ND	ND	NA	ND	10.1	ND	ND	10.1	ND	ND	NA
295.2	ND	0.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.2	ND	NA	4.2	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	9.3	ND	NA	9.3	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	NA	ND	7.1	ND	ND	7.1	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	5.9	ND	NA	5.9	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	8.2	ND	NA	8.2	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.7	NA	ND	2.0	7.3	ND	9.3	NA	ND	NA
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	5.0	ND	NA	5.0	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	0.3	3.2	0.3	3.2	2.4	2.9	0.2	12.5	0.9	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	ND	ND	ND	3.1	ND	2.0	1.3	2.3	ND	8.7	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	04/07/92	ND	NA	0.2	3.7	0.3	4.0	1.1	5.0	0.5	14.8	2.8	2.2	NA
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	ND	ND	ND	0.3	ND	0.3	ND	0.4	ND	0.9	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	1.8	ND	0.9	2.1	2.0	ND	6.8	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	NA	ND	0.6	ND	0.2	0.2	0.6	ND	1.6	ND	0.4	NA
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	0.4	ND	0.6	ND	1.0	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	ND	ND	1.4	ND	1.1	0.5	0.7	ND	3.8	ND	0.5	ND
298.0	Brannan Island	RFC	12/29/88	ND	ND	ND	1.8	ND	1.6	ND	2.3	ND	5.6	ND	ND	ND
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.4	ND	3.1	ND	12.0	ND	3.4	ND	ND	18.5	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND
295.4	0.9	2.4	ND	8.8	ND	1.2	ND	ND	13.3	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND
295.4	0.9	3.3	ND	7.3	ND	3.3	ND	ND	14.8	ND	NA	1.3	ND	ND	ND	ND	ND	ND	0.1
295.5	ND	ND	ND	1.9	ND	0.3	ND	ND	2.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.5	ND	3.0	ND	13.0	ND	2.6	ND	ND	18.6	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
295.5	0.6	0.9	ND	6.7	ND	3.2	ND	ND	11.4	ND	NA	0.8	ND	ND	ND	ND	ND	ND	ND
297.0	19.0	51.0	0.7	23.0	ND	15.0	7.2	16.0	131.9	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND
298.0	0.8	2.6	0.4	6.6	ND	ND	ND	ND	10.4	ND	ND	0.8	ND	ND	ND	0.7	ND	ND	0.1
298.0	1.9	6.4	0.4	16.8	ND	1.5	ND	0.4	27.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.4	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	11.0	ND	NA	11.0	ND	ND	NA
295.4	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	NA	ND	3.1	ND	ND	3.1	ND	ND	NA
295.4	ND	ND	0.7	ND	ND	ND	ND	NA	NA	11.0	NA	ND	6.0	5.9	ND	12.0	NA	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.5	ND	NA	2.5	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14.0	ND	NA	14.0	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.4	NA	ND	5.8	12.0	ND	18.0	NA	ND	NA
297.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	9.9	ND	NA	9.9	ND	ND	NA
298.0	ND	ND	0.3	ND	ND	0.2	ND	ND	ND	NA	NA	ND	10.2	ND	NA	10.2	ND	ND	NA
298.0	ND	ND	ND	ND	ND	0.3	ND	ND	ND	NA	NA	ND	61.4	ND	NA	61.4	ND	ND	NA
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	11.7	ND	NA	11.7	NA	NA	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
300.2	Mare Island	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	Mare Island	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	ND	ND	3.6	ND	2.3	0.7	1.7	ND	8.3	ND	ND	ND
302.0	Point Pinole	TCM	01/14/88	ND	ND	ND	0.9	ND	0.8	ND	0.7	ND	2.3	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	ND	ND	ND	1.5	ND	1.2	ND	0.3	ND	3.0	ND	ND	ND
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	0.7	ND	0.6	0.2	0.3	ND	1.8	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	ND	ND	ND	0.8	ND	0.6	0.3	0.4	ND	2.1	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	ND	NA	ND	0.9	ND	0.8	0.5	0.7	ND	2.9	ND	ND	NA
302.0	Point Pinole	TCM	01/20/93	ND	NA	ND	0.6	ND	0.5	0.3	0.4	ND	1.8	0.3	0.2	NA
302.4	Castro Cove Bridge	TCM	01/18/88	2.7	ND	2.8	16.8	0.4	21.0	5.9	11.5	5.3	63.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	1.3	7.3	ND	6.5	ND	1.2	ND	ND	16.3	ND	ND	4.8	ND	NA	NA	ND	ND	ND	0.5
302.0	0.8	2.6	ND	3.6	ND	1.2	ND	ND	8.2	ND	ND	2.9	ND	NA	NA	ND	ND	ND	0.3
302.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	ND	2.9	ND	NA	NA	ND	ND	ND	ND
302.0	ND	1.3	ND	1.6	ND	ND	ND	ND	2.9	ND	ND	1.6	ND	NA	NA	ND	ND	ND	ND
302.0	ND	3.5	ND	2.3	ND	ND	ND	6.1	11.9	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
302.0	ND	1.4	0.4	4.5	ND	ND	ND	ND	6.3	ND	NA	2.2	ND	ND	ND	ND	ND	ND	0.2
302.0	0.6	1.8	ND	2.2	ND	ND	ND	0.6	5.2	ND	NA	1.5	ND	ND	ND	ND	ND	ND	ND
302.4	32.2	30.8	9.2	16.8	ND	5.5	ND	16.8	111.3	NA	NA	18.2	ND	NA	NA	ND	ND	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCB 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64.9
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.0
302.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	55.2	ND	NA	55.2	ND	ND	NA
302.0	ND	ND	0.1	0.1	ND	ND	ND	ND	ND	NA	NA	ND	8.4	ND	NA	8.4	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.4	ND	NA	10.4	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.8	ND	NA	4.8	ND	ND	40.7
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	5.9	ND	ND	5.9	ND	ND	27.0
302.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	15.0	ND	ND	15.0	NA	ND	NA
302.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	0.9	NA	ND	14.0	ND	ND	14.0	NA	ND	21.0
302.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	49.0	ND	NA	49.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	ND	ND	ND	1.5	ND	1.1	0.5	1.1	ND	4.2	ND	ND	ND
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	ND	ND	1.6	3.6	1.5	4.7	0.5	2.7	1.5	16.0	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	01/14/88	36.4	ND	1.3	23.5	2.1	23.8	2.5	16.8	ND	70.0	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	03/22/91	3.6	ND	ND	5.6	ND	5.7	1.2	3.1	ND	15.6	ND	ND	ND
303.4	Santa Fe Channel/End	TCM	03/22/91	0.7	ND	ND	2.9	ND	2.6	0.7	2.0	ND	8.1	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	ND	ND	ND	1.6	ND	1.3	ND	1.2	ND	4.2	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	ND	ND	1.2	ND	0.7	ND	0.3	ND	2.3	1.0	ND	ND
304.4	Serl Intake	TCM	03/22/91	ND	ND	ND	1.9	ND	1.5	0.7	1.3	ND	5.3	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	ND	ND	ND	0.8	ND	0.6	0.4	0.5	ND	2.3	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	ND	NA	ND	1.0	ND	0.7	0.4	0.5	ND	2.6	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
303.1	4.4	15.1	2.6	8.6	4.8	10.2	ND	1.3	47.0	ND	ND	7.7	ND	ND	ND	ND	ND	ND	0.1
303.2	61.5	139.5	7.7	73.5	88.5	150.0	57.0	51.0	628.7	ND	ND	87.0	ND	NA	NA	ND	6.3	NA	ND
303.3	504.0	1400.0	16.8	378.0	1134.0	1540.0	74.2	26.6	5073.6	ND	ND	602.0	ND	ND	ND	1.3	61.6	ND	5.5
303.3	120.0	340.0	9.3	130.0	240.0	500.0	12.0	18.0	1369.3	ND	ND	100.0	ND	ND	ND	ND	ND	ND	0.3
303.4	33.8	120.9	4.8	52.0	40.3	88.4	14.3	14.3	368.8	ND	ND	32.5	ND	ND	ND	ND	ND	ND	0.2
303.6	3.0	13.1	2.4	10.4	1.9	3.0	ND	2.6	39.4	ND	ND	8.6	0.2	ND	ND	0.2	ND	ND	0.3
303.6	2.9	9.2	1.6	5.0	1.3	2.3	3.6	1.3	27.3	ND	ND	5.2	0.7	ND	ND	0.7	ND	ND	0.2
304.4	2.9	10.9	ND	6.3	3.4	4.2	ND	1.8	29.5	ND	ND	3.9	ND	ND	ND	ND	ND	ND	0.2
306.0	ND	2.4	0.7	2.1	ND	ND	ND	ND	5.1	ND	ND	1.4	ND	NA	NA	ND	ND	ND	0.3
306.0	1.0	3.5	0.6	5.0	ND	ND	ND	ND	10.1	ND	NA	2.0	ND	ND	ND	ND	ND	ND	0.4

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
303.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	11.8	163.8	ND	ND	175.6	ND	ND	NA
303.2	NA	NA	NA	ND	ND	0.3	ND	NA	NA	NA	NA	18.0	102.0	ND	NA	120.0	ND	ND	NA
303.3	1.4	4.2	1.3	ND	ND	ND	ND	2.2	ND	NA	NA	28.0	168.0	ND	NA	196.0	ND	196.0	NA
303.3	ND	ND	ND	ND	ND	0.2	ND	ND	ND	1.5	NA	17.0	120.0	ND	ND	137.0	ND	ND	NA
303.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NA	23.4	114.4	ND	ND	137.8	ND	ND	NA
303.6	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	102.4	ND	NA	102.4	ND	ND	917.2
303.6	ND	0.2	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	120.6	ND	NA	120.6	ND	ND	924.0
304.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	NA	ND	52.6	ND	ND	52.6	ND	ND	NA
306.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	9.9	ND	ND	9.9	ND	ND	NA
306.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	26.0	24.0	ND	50.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	ND	NA	ND	0.9	ND	0.8	0.4	0.7	ND	2.8	ND	0.3	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	ND	ND	1.1	ND	1.2	ND	0.7	ND	3.0	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	ND	ND	1.3	ND	1.1	ND	0.5	ND	2.9	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	ND	ND	1.3	ND	1.5	ND	0.9	ND	3.7	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	1.4	ND	1.1	0.5	0.4	ND	3.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	ND	ND	ND	1.2	ND	1.0	0.5	0.7	ND	3.5	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	ND	NA	ND	1.2	ND	0.9	0.4	0.5	ND	3.0	ND	ND	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	ND	NA	ND	1.1	ND	0.9	0.4	0.7	ND	3.1	0.6	0.4	NA
307.2	Alameda Yacht Harbor	TCM	01/14/88	0.1	ND	0.2	4.9	0.2	3.8	1.4	3.2	0.4	14.2	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	ND	ND	3.5	ND	2.2	0.9	2.1	ND	8.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
306.0	0.9	2.6	0.2	4.8	ND	ND	ND	1.4	9.9	ND	NA	1.9	ND	ND	ND	ND	ND	ND	0.2
306.5	ND	ND	0.5	4.5	ND	ND	ND	ND	5.1	ND	ND	1.9	ND	NA	NA	ND	ND	ND	0.3
307.0	ND	3.0	0.4	2.9	ND	ND	ND	ND	6.2	ND	ND	2.0	ND	NA	NA	ND	ND	ND	0.2
307.0	ND	1.1	0.8	4.2	ND	0.6	ND	1.3	7.9	ND	ND	1.6	ND	NA	NA	ND	ND	ND	0.3
307.0	ND	3.6	ND	3.2	ND	1.5	ND	ND	8.3	ND	ND	1.6	ND	NA	NA	ND	ND	ND	0.2
307.0	0.8	4.8	ND	3.5	ND	ND	ND	1.1	10.4	ND	ND	0.5	ND	ND	ND	ND	ND	ND	0.4
307.0	ND	1.4	0.5	3.9	ND	ND	ND	ND	5.8	ND	NA	2.3	ND	ND	ND	ND	ND	ND	0.2
307.0	0.9	3.2	ND	4.5	ND	0.6	ND	1.2	10.4	ND	NA	2.1	ND	ND	ND	ND	ND	ND	ND
307.2	1.7	5.4	0.8	6.8	1.2	3.7	ND	ND	21.9	ND	ND	4.2	ND	NA	NA	ND	ND	ND	0.2
307.2	1.1	3.4	0.6	4.1	0.8	2.9	ND	0.8	13.7	ND	ND	7.1	ND	ND	ND	ND	ND	ND	0.4

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
306.0	ND	ND	0.3	ND	ND	ND	ND	NA	NA	ND	NA	ND	32.0	ND	ND	32.0	NA	ND	NA
306.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	33.8	ND	NA	33.8	ND	ND	NA
307.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	29.9	ND	NA	29.9	ND	ND	NA
307.0	ND	ND	0.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	36.2	ND	NA	36.2	ND	ND	NA
307.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	22.0	ND	NA	22.0	ND	ND	NA
307.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	22.5	ND	ND	22.5	ND	ND	NA
307.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	27.0	25.0	ND	52.0	NA	ND	NA
307.0	ND	ND	0.3	ND	ND	ND	ND	NA	NA	1.1	NA	ND	37.0	23.0	ND	60.0	NA	ND	NA
307.2	ND	ND	0.3	ND	0.3	ND	ND	ND	ND	NA	NA	ND	38.4	ND	NA	38.4	ND	ND	337.0
307.2	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	133.1	ND	NA	133.1	ND	ND	741.0

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	ND	ND	ND	1.0	ND	0.9	0.5	0.7	ND	3.1	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	ND	NA	ND	2.6	ND	2.1	0.8	1.7	ND	7.2	ND	ND	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	ND	NA	0.1	1.5	ND	2.2	0.8	1.4	0.6	6.6	0.9	0.1	NA
307.5	Lake Merritt	RBM	05/22/92	ND	NA	0.2	8.5	0.2	6.0	2.8	7.9	0.5	26.1	ND	ND	NA
307.5	Lake Merritt	RCM	03/16/93	ND	NA	0.2	3.2	0.1	2.6	1.3	3.0	0.4	10.8	ND	0.3	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	ND	ND	2.2	ND	0.9	ND	0.6	ND	3.7	ND	ND	ND
307.9	San Francisco/Islais Channel	TCM	01/15/88	ND	ND	ND	2.3	ND	2.2	0.4	1.2	ND	6.1	0.8	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	0.6	2.8	ND	2.6	ND	0.8	ND	ND	6.8	ND	ND	1.2	ND	NA	NA	ND	ND	ND	ND
307.4	1.7	6.8	0.4	4.8	ND	3.7	ND	0.9	18.3	ND	NA	3.1	ND	ND	ND	ND	ND	ND	ND
307.4	1.2	2.8	ND	3.0	0.6	2.2	ND	1.4	11.2	ND	NA	2.9	ND	ND	ND	ND	ND	ND	ND
307.5	3.2	12.0	1.1	11.0	1.1	4.0	3.4	2.1	37.9	ND	NA	4.4	ND	ND	ND	ND	ND	ND	ND
307.5	1.3	4.6	1.2	4.4	1.0	3.1	ND	2.4	18.0	0.3	NA	2.4	ND	ND	ND	ND	ND	ND	ND
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	ND	ND	ND	5.2	ND	ND	ND	ND	5.2	ND	ND	1.7	ND	NA	NA	ND	ND	ND	ND
307.9	0.7	ND	0.5	4.4	0.8	1.3	ND	ND	9.3	ND	ND	3.5	0.1	ND	ND	0.1	ND	ND	0.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	156.0	ND	NA	156.0	NA	NA	510.2
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	117.0	ND	NA	117.0	NA	NA	400.0
307.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	NA	ND	23.0	ND	ND	23.0	ND	ND	150.0
307.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	55.0	27.0	ND	82.0	NA	ND	NA
307.4	ND	ND	0.2	0.1	0.4	ND	ND	NA	NA	0.6	NA	8.1	59.0	42.0	ND	110.0	NA	ND	120.0
307.5	ND	ND	ND	ND	0.5	ND	ND	NA	NA	1.3	NA	9.5	90.0	ND	ND	100.0	NA	ND	NA
307.5	ND	ND	ND	0.1	ND	ND	ND	NA	NA	ND	NA	16.0	58.0	26.0	ND	100.0	NA	ND	NA
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	66.0	ND	NA	66.0	NA	NA	NA
307.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	46.1	ND	NA	46.1	ND	ND	NA
307.9	ND	0.5	0.5	ND	0.1	ND	ND	ND	ND	NA	NA	ND	61.1	ND	NA	61.1	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	ND	ND	ND	0.9	ND	0.6	0.3	0.5	ND	2.3	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	ND	NA	ND	1.0	ND	0.7	0.5	0.3	ND	2.5	ND	ND	NA
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	ND	NA	ND	0.9	ND	0.9	0.3	0.5	0.3	2.9	0.6	0.2	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	ND	ND	2.0	ND	2.1	ND	1.2	ND	5.2	ND	ND	ND
308.2	Hunter's Point/Shipyard	TCM	12/29/88	ND	ND	ND	2.8	ND	2.2	0.7	2.0	ND	7.7	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	01/16/91	ND	ND	ND	0.7	ND	0.6	0.3	0.3	ND	1.9	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	12/16/91	ND	NA	ND	0.5	ND	0.5	0.4	0.2	ND	1.6	ND	ND	NA
309.0	San Mateo Bridge/88	TCM	02/01/93	ND	NA	ND	1.1	ND	1.0	0.4	0.8	0.5	3.8	0.7	0.3	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	ND	ND	ND	0.9	ND	0.6	0.4	0.4	ND	2.2	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	ND	NA	ND	1.3	ND	0.9	0.6	0.8	ND	3.6	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
308.0	ND	3.2	ND	2.3	ND	0.7	ND	0.6	6.8	ND	ND	1.0	ND	ND	ND	ND	ND	ND	0.2
308.0	0.7	2.3	0.4	3.2	ND	0.9	ND	ND	7.5	ND	NA	2.3	ND	ND	ND	ND	ND	ND	0.2
308.0	ND	1.2	ND	2.0	ND	0.5	ND	0.7	4.4	ND	NA	2.3	ND	ND	0.2	0.2	ND	ND	ND
308.2	ND	4.3	0.9	5.6	ND	7.2	ND	0.8	18.7	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND
308.2	1.5	6.1	2.0	7.8	ND	ND	ND	ND	17.4	ND	ND	2.0	ND	NA	NA	ND	ND	ND	ND
309.0	ND	2.2	ND	1.2	ND	ND	ND	ND	3.4	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
309.0	ND	0.4	0.4	3.2	ND	ND	ND	ND	4.0	ND	NA	2.7	ND	ND	ND	ND	ND	ND	0.1
309.0	0.4	1.3	ND	2.9	0.2	0.8	ND	1.0	6.6	ND	NA	3.1	ND	ND	0.3	0.3	ND	ND	ND
313.0	ND	2.5	ND	2.1	ND	ND	ND	0.4	5.0	ND	ND	ND	1.5	ND	ND	1.5	ND	ND	ND
313.0	ND	4.9	0.4	4.0	ND	ND	ND	ND	9.3	ND	NA	2.7	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
308.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	15.3	ND	ND	15.3	ND	ND	NA
308.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	24.0	25.0	ND	49.0	NA	ND	NA
308.0	ND	ND	ND	ND	0.3	ND	ND	NA	NA	ND	NA	ND	27.0	16.0	ND	43.0	NA	ND	NA
308.2	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	273.0	ND	NA	273.0	ND	ND	NA
308.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	265.6	ND	NA	265.6	ND	ND	NA
309.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	7.2	ND	ND	7.2	ND	ND	NA
309.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	21.0	29.0	ND	50.0	NA	ND	NA
309.0	ND	ND	0.2	ND	0.4	ND	ND	NA	NA	0.5	NA	ND	31.0	17.0	ND	48.0	NA	12.0	NA
313.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	8.6	ND	ND	8.6	ND	ND	NA
313.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	24.0	23.0	ND	47.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	ND	NA	ND	1.2	ND	1.0	0.4	0.9	ND	3.5	0.6	ND	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	ND	ND	5.7	ND	1.3	ND	2.7	0.2	9.9	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	ND	ND	1.5	ND	0.7	ND	0.4	ND	2.5	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	ND	ND	ND	1.3	ND	0.9	0.8	0.6	ND	3.5	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	ND	NA	ND	0.5	ND	0.8	0.6	1.0	ND	2.9	ND	ND	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	ND	ND	2.5	ND	1.1	ND	0.6	ND	4.3	ND	ND	ND
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	0.3	3.3	0.3	2.6	0.8	1.7	0.2	9.2	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	ND	ND	ND	2.2	ND	1.6	1.4	1.6	ND	6.7	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	ND	NA	0.2	0.5	0.3	0.5	0.8	1.4	ND	3.7	ND	ND	NA
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	ND	NA	ND	1.1	ND	1.0	0.3	0.9	ND	3.3	1.4	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
313.0	ND	1.2	ND	3.1	ND	0.5	ND	0.9	5.7	ND	NA	2.5	ND	ND	ND	ND	ND	ND	ND
321.0	ND	ND	ND	9.0	ND	ND	2.6	ND	11.6	ND	ND	7.6	ND	NA	NA	ND	ND	ND	0.5
321.0	ND	ND	ND	2.6	ND	ND	ND	ND	2.6	ND	ND	2.8	ND	NA	NA	ND	ND	ND	ND
321.0	1.0	1.0	ND	4.3	ND	ND	ND	ND	6.3	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND
321.0	ND	4.0	0.6	5.8	ND	ND	ND	1.4	11.8	ND	NA	3.5	ND	ND	ND	ND	ND	ND	ND
323.3	ND	ND	ND	2.9	ND	ND	ND	ND	2.9	ND	ND	3.7	ND	NA	NA	ND	ND	ND	ND
323.3	ND	2.0	ND	3.6	ND	ND	ND	ND	5.6	ND	ND	2.9	0.3	NA	NA	0.3	ND	ND	0.2
326.0	2.3	3.3	ND	6.8	ND	ND	ND	1.4	13.8	ND	ND	1.9	ND	NA	NA	ND	ND	ND	ND
326.0	ND	3.1	ND	6.6	ND	ND	ND	1.2	10.9	ND	NA	4.3	ND	ND	1.1	1.1	ND	ND	ND
326.0	ND	ND	ND	4.9	ND	1.3	ND	1.0	7.2	ND	NA	1.2	ND	ND	ND	ND	ND	ND	0.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
313.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	0.9	NA	ND	24.0	13.0	ND	37.0	NA	ND	NA
321.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	69.7	ND	NA	69.7	ND	ND	NA
321.0	ND	ND	0.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	22.8	ND	NA	22.8	ND	ND	NA
321.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	7.4	ND	ND	7.4	ND	ND	NA
321.0	ND	ND	0.4	ND	ND	ND	ND	NA	NA	0.7	NA	ND	41.0	ND	ND	41.0	NA	ND	NA
323.3	ND	ND	0.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	14.6	ND	NA	14.6	ND	ND	NA
323.3	ND	ND	0.8	ND	0.2	ND	ND	ND	ND	NA	NA	ND	15.0	ND	NA	15.0	ND	ND	NA
326.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	NA	ND	17.3	ND	ND	17.3	ND	ND	NA
326.0	ND	ND	1.3	ND	0.2	ND	ND	NA	NA	1.3	NA	ND	47.0	ND	ND	47.0	NA	ND	NA
326.0	ND	ND	0.3	ND	ND	ND	ND	NA	NA	ND	NA	ND	15.0	ND	ND	15.0	NA	ND	NA

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336.0	J. Fitzgerald	RCM	01/30/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.2	Pescadero Creek	TFC	02/08/88	ND	ND	ND	0.1	ND	0.2	ND	0.3	ND	0.7	ND	0.7	ND
399.2	Pescadero Creek	TFC	01/26/89	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
399.3	Waddell Creek	TFC	02/08/88	ND	ND	ND	ND	ND	0.2	ND	0.1	ND	0.3	ND	0.3	ND
399.3	Waddell Creek	TFC	01/26/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	ND	ND	0.2	3.1	0.3	2.8	1.2	3.6	0.1	11.4	0.6	ND	ND
400.2	Younger Lagoon	SED	11/04/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	1.7	ND	1.6	1.1	1.7	0.2	6.3	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
336.0	ND	ND	ND	1.1	ND	ND	ND	ND	1.1	ND	ND	0.4	ND	NA	NA	ND	ND	ND	0.4
399.2	ND	0.4	0.2	3.0	0.8	0.6	ND	ND	5.0	ND	ND	ND	ND	ND	25.9	25.9	ND	ND	ND
399.2	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.3	ND	ND	ND	3.0	0.3	1.3	ND	ND	4.7	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND
399.3	ND	ND	ND	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	1.2	ND	6.1	0.8	3.0	ND	ND	11.2	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
400.8	ND	1.9	0.6	9.2	ND	2.4	ND	ND	14.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	0.1	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	23.9	ND	ND	23.9	ND	ND	NA
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
399.7	ND	ND	ND	0.7	0.3	0.1	ND	ND	ND	ND	2.6	ND	9.8	ND	ND	9.8	ND	ND	NA
400.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	12.0	4.8	NA	16.8	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
400.8	Aptos Creek	TFC	10/25/90	ND	ND	ND	0.4	ND	0.3	ND	0.9	ND	1.6	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	RFC	11/26/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	TFC	12/19/91	ND	NA	ND	0.5	ND	0.1	0.3	0.6	ND	1.5	ND	ND	NA
401.1	Santa Cruz/T Dock	TCM	02/08/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	ND	ND	1.3	ND	0.8	0.5	0.9	ND	3.5	ND	6.4	ND
401.5	Watsonville Slough/Bridge	TFC	02/02/88	1.0	ND	1.0	8.4	1.4	9.4	2.6	7.0	1.6	31.4	2.6	4.9	110.0
401.5	Watsonville Slough/Bridge	TFC	03/10/93	1.0	NA	0.7	12.0	0.9	11.0	13.0	11.0	0.8	49.4	12.0	21.0	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	ND	ND	7.4	ND	1.6	1.1	2.4	ND	12.6	ND	0.6	ND
401.8	San Andreas Road	TFC	02/03/88	0.7	ND	0.4	7.0	0.8	5.4	ND	6.5	1.3	21.4	ND	7.2	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
400.8	ND	1.9	ND	7.4	ND	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	ND	0.7	0.4	10.0	ND	1.5	ND	ND	12.6	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	0.9	4.8	ND	25.6	ND	2.8	ND	1.6	35.7	ND	ND	14.2	11.8	8.0	10.9	30.7	ND	ND	0.3
401.5	22.0	55.0	7.2	150.0	31.0	82.0	8.6	4.0	359.8	4.0	55.0	75.0	22.0	16.0	20.0	58.0	5.8	ND	0.1
401.5	45.0	64.0	13.0	500.0	110.0	300.0	7.1	19.0	1058.1	ND	NA	170.0	3.1	15.0	22.0	40.1	18.0	ND	ND
401.6	4.8	5.0	0.8	19.2	1.8	8.8	ND	ND	40.3	6.2	88.0	2.3	1.6	ND	ND	1.6	ND	ND	ND
401.8	21.6	51.3	10.8	198.0	43.2	99.0	4.9	8.2	437.0	ND	40.5	126.0	7.3	8.6	20.7	36.5	4.4	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	8.0	ND	ND	8.0	ND	ND	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	8.2	ND	ND	8.2	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	6.3	ND	ND	6.3	NA	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1560.0
401.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	11.4	ND	NA	11.4	ND	ND	NA
401.5	ND	ND	0.2	0.3	3.0	0.6	2.4	ND	ND	NA	NA	ND	13.0	ND	NA	13.0	ND	460.0	NA
401.5	ND	ND	0.7	ND	2.6	0.7	ND	NA	NA	28.0	NA	7.9	19.0	ND	ND	27.0	NA	1500.0	NA
401.6	ND	ND	ND	0.3	1.0	ND	ND	ND	1.8	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
401.8	ND	ND	ND	ND	2.0	0.3	ND	ND	ND	NA	NA	ND	16.2	ND	NA	16.2	ND	279.0	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
401.9	Pajaro River Estuary	TFC	03/10/93	ND	NA	0.2	3.1	0.3	2.6	1.1	2.2	0.3	9.8	14.0	7.8	NA
402.1	Azevedo Pond	TCM	02/25/93	ND	NA	ND	1.7	ND	2.8	0.7	1.4	0.3	6.9	ND	6.3	NA
402.2	Parson's Slough	TCM	03/02/88	ND	ND	ND	1.1	ND	1.4	ND	0.4	ND	2.9	ND	4.8	ND
402.2	Parson's Slough	TCM	01/04/89	ND	ND	ND	1.2	ND	0.7	ND	0.5	ND	2.3	ND	4.6	ND
402.2	Parson's Slough	TCM	02/25/93	ND	NA	0.1	2.0	ND	2.1	0.9	1.6	0.2	6.9	3.7	25.0	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	ND	ND	1.0	ND	0.6	0.2	0.5	ND	2.4	ND	5.4	ND
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	ND	NA	ND	1.5	ND	0.8	0.3	0.5	ND	3.1	ND	22.0	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	ND	ND	0.4	ND	0.4	ND	0.2	ND	1.0	ND	1.6	ND
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	ND	ND	0.7	ND	1.5	ND	0.6	ND	2.8	ND	1.0	ND
403.2	Moro Cojo	TCM	01/04/89	ND	ND	ND	3.1	ND	3.0	0.7	1.7	ND	8.4	ND	8.4	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
401.9	11.0	14.0	2.1	68.0	13.0	43.0	ND	5.3	156.4	ND	NA	14.0	0.4	1.5	6.3	8.2	2.4	2.7	ND
402.1	7.1	18.0	2.5	79.0	4.4	18.0	5.7	4.0	138.7	20.0	NA	47.0	0.3	0.9	11.0	12.2	1.7	ND	0.2
402.2	1.3	1.4	ND	14.3	ND	2.2	ND	1.6	21.2	NA	NA	5.4	44.2	NA	NA	44.2	ND	NA	0.5
402.2	ND	1.0	ND	9.4	0.8	2.0	ND	ND	13.3	ND	ND	3.9	15.9	18.9	12.3	47.1	ND	ND	0.3
402.2	4.1	6.6	1.5	53.0	9.8	32.0	ND	3.0	110.0	ND	NA	24.0	0.5	2.3	15.0	17.8	2.5	ND	0.1
402.3	ND	0.9	ND	10.8	1.4	4.2	ND	ND	17.4	ND	ND	5.1	4.5	4.5	14.6	23.7	ND	ND	0.4
402.5	1.9	4.5	0.9	30.0	4.4	16.0	ND	1.4	59.1	ND	NA	20.0	0.8	1.8	15.0	17.6	3.4	ND	ND
403.0	ND	1.6	ND	5.6	ND	1.2	ND	ND	8.4	ND	ND	2.0	11.9	18.0	ND	37.0	ND	ND	0.2
403.0	ND	7.3	ND	10.4	1.0	2.5	ND	ND	21.2	ND	ND	2.5	1.9	5.8	6.0	13.6	ND	ND	0.7
403.2	1.8	9.2	1.3	34.8	3.6	12.9	ND	1.3	64.9	ND	ND	20.9	1.9	15.5	36.1	53.5	0.8	ND	0.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethylparathion	Methylparathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
401.9	ND	ND	0.7	ND	0.4	0.2	0.5	NA	NA	2.0	NA	ND	13.0	1.9	ND	15.0	NA	280.0	NA
402.1	ND	ND	0.4	ND	2.0	ND	ND	NA	NA	ND	NA	ND	13.0	ND	ND	13.0	NA	100.0	NA
402.2	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	9.4	ND	NA	9.4	NA	ND	NA
402.2	ND	ND	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	5.7	ND	NA	5.7	ND	ND	NA
402.2	ND	ND	ND	ND	0.7	ND	ND	NA	NA	1.5	NA	ND	15.0	ND	ND	15.0	NA	130.0	NA
402.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	NA	NA	ND	5.3	ND	NA	5.3	ND	ND	NA
402.5	ND	ND	ND	ND	2.2	ND	ND	NA	NA	1.4	NA	ND	7.2	ND	ND	7.2	NA	74.0	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.8	ND	NA	4.8	ND	ND	NA
403.2	ND	ND	ND	ND	1.1	ND	ND	ND	ND	NA	NA	ND	12.0	ND	NA	12.0	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
403.5	Moss Landing/South Harbor	TCM	02/02/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	Moss Landing/South Harbor	TCM	01/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	ND	ND	1.2	ND	1.2	ND	0.3	ND	2.8	ND	2.0	ND
404.0	Sandholdt Bridge	RBM	11/05/87	ND	ND	ND	1.4	ND	1.3	ND	1.0	ND	3.7	ND	0.6	ND
404.0	Sandholdt Bridge	RBM	02/02/88	ND	ND	ND	1.5	ND	2.6	1.5	2.1	ND	7.8	ND	0.3	ND
404.0	Sandholdt Bridge	RBM	04/07/88	ND	ND	0.2	0.4	ND	ND	ND	1.3	ND	1.9	ND	8.2	ND
404.0	Sandholdt Bridge	RBM	12/08/88	ND	ND	ND	2.0	ND	1.5	0.8	1.7	ND	5.9	ND	3.6	ND
404.0	Sandholdt Bridge	TCM	01/04/89	ND	ND	ND	2.1	ND	1.5	0.5	1.0	ND	5.1	ND	7.3	ND
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	1.9	ND	1.6	0.9	1.1	ND	5.5	1.0	9.9	10.0
404.0	Sandholdt Bridge	TCM	02/04/91	ND	ND	ND	1.2	ND	1.2	0.5	0.9	ND	3.8	ND	0.8	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	1.7	7.4	0.4	20.4	0.8	5.0	2.5	0.9	39.2	ND	ND	4.9	16.8	7.2	1.4	25.4	ND	ND	0.3
404.0	4.3	14.4	1.3	46.8	ND	3.0	1.4	3.6	74.9	ND	ND	2.8	3.2	ND	ND	3.2	ND	ND	0.2
404.0	4.3	13.3	1.5	77.0	7.7	25.2	ND	7.0	136.1	NA	NA	3.6	23.8	ND	NA	23.8	ND	NA	ND
404.0	ND	ND	0.7	48.0	1.9	ND	ND	1.2	51.8	ND	ND	4.4	12.0	15.6	39.6	67.2	ND	ND	0.2
404.0	5.1	34.5	1.4	129.0	ND	3.3	ND	2.3	175.6	ND	ND	5.6	6.6	3.9	13.5	24.0	ND	ND	0.3
404.0	5.0	19.0	1.3	97.9	7.5	34.6	ND	3.1	168.3	ND	ND	11.5	15.4	15.4	25.0	55.7	1.4	ND	ND
404.0	7.0	22.0	2.3	120.0	12.0	69.0	ND	4.4	236.7	ND	ND	15.0	24.0	22.0	26.0	72.0	ND	ND	0.2
404.0	2.2	9.4	2.2	28.1	1.5	5.6	ND	2.8	51.7	ND	ND	2.0	0.7	ND	ND	0.7	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1339.6
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380.0
403.6	ND	ND	0.1	ND	0.1	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	16.8	ND	NA	16.8	ND	ND	NA
404.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	43.4	ND	NA	43.4	NA	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	22.8	ND	NA	22.8	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	31.5	ND	NA	31.5	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	42.2	ND	NA	42.2	ND	26.9	NA
404.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	39.0	ND	NA	39.0	ND	140.0	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	13.3	ND	ND	13.3	ND	ND	NA

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State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
404.0	Sandholdt Bridge	TCM	01/28/92	ND	NA	ND	0.5	ND	1.2	0.7	0.8	ND	3.2	4.0	20.0	ND
404.0	Sandholdt Bridge	TCM	02/01/93	0.2	NA	0.2	4.6	ND	4.0	2.6	3.2	0.2	14.8	7.3	43.0	NA
405.2	Old Salinas River 2	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	NA
405.2	Old Salinas River 2	TFC	03/10/93	ND	NA	ND	0.8	ND	0.6	0.5	0.4	0.2	2.5	ND	20.0	NA
405.3	Old Salinas River 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.1	4.5	NA
405.3	Old Salinas River 1	TFC	03/16/92	ND	NA	ND	1.6	ND	0.3	1.4	0.5	0.4	4.2	12.0	32.0	NA
405.3	Old Salinas River 1	TFC	03/10/93	0.6	NA	0.9	10.0	0.8	6.9	ND	7.7	0.7	27.0	110.0	300.0	NA
405.6	Salinas River Lag 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	NA
405.6	Salinas River Lag 1	TFC	03/10/93	ND	NA	0.1	1.2	ND	0.6	0.6	0.6	ND	3.1	3.1	19.0	NA
405.7	Salinas River Lag 2	SED	01/27/92	ND	NA	ND	1.5	ND	1.5	0.5	ND	ND	3.5	4.1	17.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
404.0	7.0	24.0	2.7	97.0	11.0	72.0	ND	4.1	217.8	ND	NA	30.0	1.3	5.2	29.0	35.5	5.9	ND	0.2
404.0	17.0	40.0	5.3	170.0	33.0	120.0	ND	8.0	393.3	ND	NA	47.0	2.4	8.4	36.0	46.8	6.8	2.1	ND
405.2	ND	0.5	ND	1.6	ND	1.4	ND	ND	3.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
405.2	1.2	2.1	0.9	15.0	1.2	3.9	ND	0.9	25.2	ND	NA	3.0	ND	ND	1.4	1.4	ND	ND	ND
405.3	1.1	3.4	ND	5.2	ND	2.0	ND	ND	11.7	ND	NA	1.3	ND	0.6	1.9	2.5	ND	ND	ND
405.3	21.0	31.0	2.7	150.0	49.0	260.0	5.0	2.1	520.8	ND	NA	53.0	1.2	4.0	14.0	19.2	12.0	ND	ND
405.3	33.0	50.0	6.6	160.0	38.0	140.0	ND	23.0	450.6	ND	NA	70.0	6.7	14.0	48.0	68.7	20.0	ND	ND
405.6	ND	0.7	ND	0.9	ND	0.8	ND	ND	2.4	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
405.6	1.0	3.2	1.2	22.0	1.7	7.5	ND	1.4	38.0	ND	NA	5.2	ND	0.4	2.5	2.9	0.8	ND	ND
405.7	8.1	33.0	1.4	48.0	ND	49.0	1.6	ND	141.1	5.7	NA	12.0	2.0	15.0	29.0	46.0	2.5	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
404.0	ND	ND	ND	ND	0.4	ND	ND	NA	NA	ND	NA	ND	32.0	ND	ND	32.0	NA	83.0	NA
404.0	ND	ND	ND	ND	0.5	0.2	1.0	NA	NA	1.2	NA	ND	38.0	ND	ND	38.0	NA	350.0	NA
405.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.2	ND	ND	0.6	ND	ND	0.2	ND	NA	NA	ND	NA	ND	15.0	ND	ND	15.0	NA	51.0	NA
405.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.3	ND	ND	ND	ND	ND	1.0	ND	NA	NA	ND	NA	ND	11.0	18.0	ND	29.0	NA	260.0	NA
405.3	ND	ND	ND	ND	0.8	1.4	1.7	NA	NA	4.8	NA	13.0	33.0	4.6	ND	51.0	NA	540.0	NA
405.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.6	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	3.7	16.0	ND	ND	20.0	NA	50.0	NA
405.7	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	ND	11.0	8.8	ND	20.0	NA	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
405.7	Salinas River Lag 2	TFC	03/16/92	0.4	NA	0.4	7.3	0.4	6.4	3.0	1.1	0.7	19.3	34.0	99.0	NA
406.0	Westley Station	RFC	01/04/89	ND	ND	ND	0.3	ND	0.1	ND	0.2	ND	0.7	ND	0.9	ND
406.5	Tembladero Slough	TFC	03/10/93	0.8	NA	0.9	7.6	0.9	6.2	ND	6.8	ND	22.4	110.0	250.0	NA
407.4	Blanco Pump/West	TFC	03/10/93	0.6	NA	0.4	4.1	0.3	3.1	7.2	4.6	0.2	19.9	61.0	130.0	NA
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	3.5	1.0	1.8	1.1	9.6	ND	12.8	4.3	30.6	160.0	240.0	ND
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	1.4	ND	1.0	18.9	0.6	23.4	90.0	7.2	2.1	143.2	288.0	171.0	ND
414.0	Pacific Grove	RCM	12/19/88	ND	ND	ND	ND	ND	ND	ND	0.2	ND	0.2	ND	0.4	ND
414.0	Pacific Grove	RCM	01/09/89	ND	ND	ND	1.6	ND	ND	ND	0.2	ND	1.9	ND	ND	ND
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	0.5	ND	0.3	ND	0.2	ND	1.0	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
405.7	52.0	120.0	9.1	310.0	84.0	470.0	12.0	11.0	1068.1	5.4	NA	89.0	7.4	25.0	73.0	105.4	20.0	ND	0.2
406.0	ND	0.9	ND	9.4	1.1	4.6	ND	ND	16.0	ND	ND	1.1	1.1	NA	NA	1.1	ND	ND	0.3
406.5	26.0	47.0	7.3	140.0	36.0	120.0	2.5	19.0	397.8	ND	NA	68.0	5.8	13.0	32.0	50.8	15.0	ND	ND
407.4	30.0	60.0	7.7	300.0	72.0	220.0	6.3	22.0	718.0	ND	NA	150.0	1.8	8.1	10.0	19.9	ND	ND	ND
408.9	48.0	160.0	15.2	192.0	104.0	400.0	62.4	17.6	999.2	3.9	60.8	192.0	8.8	13.9	46.4	69.1	20.8	NA	0.2
409.0	126.0	351.0	18.0	540.0	315.0	990.0	153.0	63.9	2556.9	NA	NA	396.0	10.8	17.1	40.5	68.4	37.8	NA	ND
414.0	ND	ND	ND	3.6	ND	ND	ND	ND	4.0	ND	ND	1.4	0.9	ND	ND	0.9	ND	ND	0.4
414.0	ND	ND	ND	2.8	ND	ND	ND	ND	2.8	ND	ND	1.1	0.9	ND	ND	0.9	ND	ND	0.8
414.0	ND	ND	ND	3.6	ND	ND	ND	ND	3.6	ND	ND	0.6	0.8	NA	NA	0.8	ND	ND	0.4
414.0	ND	ND	ND	2.3	ND	ND	ND	ND	2.3	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
405.7	ND	ND	ND	ND	ND	0.6	3.5	NA	NA	ND	NA	4.9	38.0	16.0	ND	59.0	NA	250.0	NA
406.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.2	ND	NA	4.2	ND	ND	NA
406.5	ND	ND	ND	0.1	1.4	1.5	ND	NA	NA	6.5	NA	14.0	30.0	3.7	ND	48.0	NA	660.0	NA
407.4	ND	ND	ND	ND	0.1	0.6	ND	NA	NA	0.3	NA	9.6	29.0	5.0	ND	44.0	NA	770.0	NA
408.9	ND	ND	1.0	0.3	6.1	3.4	18.4	ND	ND	NA	NA	ND	96.0	ND	NA	96.0	ND	2480.0	NA
409.0	NA	NA	NA	ND	ND	0.5	NA	NA	NA	NA	NA	ND	82.8	ND	NA	82.8	NA	3510.0	NA
414.0	ND	ND	0.1	0.1	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX N (continued)

State Mussel Watch Program

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
414.0	Pacific Grove	RCM	01/31/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	Pacific Grove	RCM	02/12/93	ND	NA	ND	0.5	ND	0.4	0.1	0.3	ND	1.3	ND	0.2	NA
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	ND	0.5	2.7	ND	3.2	0.6	2.5	ND	9.6	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	01/22/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	10/28/87	ND	ND	ND	0.2	ND	0.1	ND	0.1	ND	0.4	ND	0.8	ND
425.6	Lake San Antonio	RFC	09/14/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	0.4	ND	ND	ND	0.2	ND	0.6	ND	0.9	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	0.5	ND	3.7	0.7	2.2	ND	ND	7.1	ND	NA	1.4	ND	ND	ND	ND	ND	ND	ND
421.7	ND	5.9	0.6	19.8	ND	ND	ND	4.1	30.5	NA	NA	3.4	ND	NA	NA	ND	ND	NA	ND
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	ND	ND	3.8	ND	2.5	ND	ND	6.3	NA	NA	1.0	ND	NA	NA	ND	1.6	NA	ND
425.6	ND	ND	ND	2.9	ND	ND	ND	ND	2.9	ND	ND	0.8	ND	ND	ND	ND	ND	ND	0.1
425.6	ND	ND	ND	1.8	ND	ND	ND	ND	1.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
425.6	ND	ND	ND	4.0	ND	ND	ND	ND	4.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
421.7	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	115.2	ND	NA	115.2	NA	104.4	2618.6
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1760.0
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6418.7
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1479.0
425.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
425.6	Lake San Antonio	TFC	05/25/92	ND	NA	ND	0.2	ND	0.2	0.2	0.6	ND	1.2	ND	0.9	NA
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	Morro Bay/Boat Works	RBM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
425.6	ND	ND	ND	7.7	ND	1.5	ND	ND	9.2	ND	NA	0.2	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
425.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6.5	11.0	ND	18.0	NA	ND	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	71.4

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
429.2	Morro Bay/Boat Works	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	Morro Bay/Boat Works	TCM	02/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	132.0
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47.5
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	ND	ND	ND	NA	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.0	Montana De Oro	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	0.4	ND	0.3	ND	0.2	ND	0.9	ND	ND	ND
430.0	Montana De Oro	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/03/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	ND	ND	ND	4.2	ND	ND	ND	ND	4.2	ND	ND	1.0	0.4	ND	ND	0.4	ND	ND	0.6
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	4.3	ND	ND	4.3	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	7.5	ND	ND	7.5	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.2	Montana De Oro 1	TCM	12/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.6	ND	ND	3.6	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
434.0	Diablo Cove/South	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.6	ND	ND	3.6	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	5.2	ND	ND	5.2	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.5	ND	NA	3.5	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	6.2	ND	NA	6.2	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
435.0	Intake Cove	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.1	ND	ND	2.1	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.5	ND	ND	3.5	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	10.0	ND	NA	10.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	7.4	ND	NA	7.4	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.7	ND	NA	2.7	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	7.6	ND	NA	7.6	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.6	ND	NA	3.6	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	Lion Rock/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.1	ND	NA	3.1	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15.8	ND	ND	15.8	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.8	ND	ND	3.8	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	12.0	ND	ND	12.0	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
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TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
440.0	Lion Rock/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.2	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.4	ND	ND	ND	NA	ND	NA	NA	NA

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TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.9	ND	NA	2.9	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.7	ND	ND	2.7	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	6.0	ND	ND	6.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.7	ND	ND	2.7	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	4.2	ND	NA	4.2	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	3.0	ND	NA	3.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.7	ND	ND	2.7	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	4.3	ND	ND	4.3	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	ND	6.4	ND	NA	6.4	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	ND	19.0	ND	NA	19.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
446.0	San Luis Obispo Creek 1	TFC	02/26/91	ND	ND	0.4	4.7	0.4	3.6	2.2	5.7	0.4	17.5	ND	ND	ND
446.1	San Luis Obispo/Creek 2	SED	02/25/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	NA
446.2	San Luis Obispo Creek 3	SED	02/25/92	ND	NA	ND	0.6	ND	0.5	ND	0.4	ND	1.5	ND	1.1	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
446.0	ND	2.2	ND	4.0	ND	1.3	ND	ND	7.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
446.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
446.2	ND	0.3	ND	0.7	ND	1.5	ND	ND	2.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	24.8	ND	NA	24.8	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	8.7	ND	NA	8.7	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	36.0	ND	NA	36.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	21.0	ND	ND	21.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	14.0	ND	NA	14.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.0	83.0	ND	ND	110.0	NA	NA	NA
446.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	14.1	ND	ND	14.1	ND	ND	NA
446.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
446.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.9	NA	ND	15.0	ND	ND	15.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
446.4	San Luis Obispo/Creek 4	SED	02/25/92	ND	NA	ND	0.5	ND	0.5	ND	ND	ND	1.0	ND	1.0	NA
450.0	Point Conception	RCM	01/04/91	ND	ND	ND	0.2	ND	0.3	ND	ND	ND	0.4	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.3	ND	ND	ND
455.0	Gaviota	TCM	03/21/89	ND	ND	ND	0.7	ND	ND	ND	0.2	ND	0.9	ND	ND	ND
460.0	Goleta Slough 1	TCM	12/18/88	ND	ND	0.2	4.1	ND	2.7	1.3	4.3	0.3	12.9	ND	1.0	3.0
460.0	Goleta Slough 1	SED	09/03/89	ND	ND	0.9	2.5	0.5	2.8	1.0	2.8	ND	10.5	ND	ND	ND
460.0	Goleta Slough 1	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	0.3	1.7	ND	1.9	0.9	1.3	ND	6.1	ND	ND	ND
460.1	Goleta Slough 2	SED	11/13/90	ND	ND	ND	2.2	ND	2.4	ND	1.4	ND	6.0	ND	ND	ND
460.2	Goleta Slough 3	SED	11/13/90	ND	ND	ND	1.0	ND	1.0	ND	ND	ND	2.0	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
446.4	ND	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
450.0	ND	0.4	0.6	4.6	ND	ND	ND	ND	5.6	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.2
455.0	ND	ND	ND	0.6	ND	ND	ND	ND	0.6	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.2
455.0	ND	ND	ND	6.2	ND	ND	ND	ND	6.2	ND	ND	0.6	ND	NA	NA	ND	ND	ND	0.5
460.0	ND	ND	ND	7.2	ND	ND	ND	ND	7.2	ND	ND	1.3	0.3	NA	NA	0.3	ND	ND	ND
460.0	ND	3.7	ND	6.0	ND	1.3	ND	ND	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	3.3	ND	9.2	ND	1.5	ND	ND	14.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	2.2	ND	2.6	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.2	ND	3.4	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethylparathion	Methylparathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
446.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	16.0	ND	ND	16.0	NA	ND	NA
450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.3	ND	ND	1.3	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.1	ND	NA	4.1	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	45.0	15.0	NA	60.0	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	6.4	ND	NA	64.0	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
460.3	Goleta Slough 4	SED	11/13/90	ND	ND	ND	1.0	ND	1.1	ND	0.9	ND	3.0	ND	ND	ND
470.0	Santa Barbara Harbor	TCM	01/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	Santa Barbara Harbor	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	Mission Creek	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
475.0	Carpinteria Marsh	TCM	01/26/88	ND	ND	ND	1.3	ND	0.9	ND	0.8	ND	3.0	ND	ND	ND
475.0	Carpinteria Marsh	TCM	12/18/88	ND	ND	ND	2.7	ND	2.0	0.3	1.3	ND	6.2	2.0	ND	ND
480.0	Lake Isabella	RFC	02/09/93	ND	NA	ND	0.5	ND	0.5	0.4	0.5	ND	1.9	ND	0.7	NA
485.0	Ventura Marina	TCM	01/25/88	ND	ND	1.2	3.9	ND	3.8	1.3	3.9	ND	14.1	ND	5.6	ND
485.2	Ventura River Estuary	SED	08/29/91	ND	NA	ND	0.3	ND	0.3	ND	ND	ND	0.6	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
460.3	ND	ND	ND	3.0	ND	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
475.0	ND	ND	ND	8.8	ND	2.5	ND	ND	11.3	NA	NA	1.0	5.1	NA	NA	15.4	ND	NA	ND
475.0	ND	8.2	0.7	23.1	ND	2.1	ND	1.2	35.3	ND	ND	2.0	3.9	ND	17.8	21.7	ND	ND	0.4
480.0	ND	1.3	0.8	11.0	ND	ND	ND	1.0	14.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
485.0	3.5	8.6	2.9	53.3	4.8	19.5	5.3	6.2	104.1	NA	NA	1.4	6.9	NA	NA	6.9	ND	NA	ND
485.2	ND	1.2	ND	1.8	ND	ND	ND	ND	3.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
460.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	81.8	12.8	584.0	94.6	ND	ND	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	752.1
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	936.0
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
475.0	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
475.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	5.3	ND	NA	5.3	ND	ND	NA
480.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13.0	ND	ND	13.0	NA	ND	NA
485.0	NA	NA	NA	0.9	ND	ND	NA	NA	NA	NA	NA	ND	49.4	ND	NA	49.4	NA	ND	1318.0
485.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
487.1	Santa Clara River Estuary 1	SED	08/29/91	ND	NA	ND	0.8	ND	1.1	ND	0.7	ND	2.6	ND	0.6	NA
487.3	Santa Clara River Estuary 2	SED	08/29/91	ND	NA	ND	0.6	ND	0.4	ND	0.3	ND	1.3	0.9	1.4	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	ND	ND	ND	0.8	ND	2.2	ND	3.4	ND	6.4	ND	ND	ND
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	ND	ND	ND	1.3	ND	1.2	ND	1.6	ND	4.1	ND	ND	ND
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	ND	0.4	1.2	ND	1.5	1.0	1.3	ND	5.4	ND	ND	ND
507.1	Mugu Lagoon/L Street	SED	09/01/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	Mugu Lagoon/L Street	TCM	12/28/90	ND	ND	0.3	4.0	ND	2.6	2.2	3.5	0.3	13.0	ND	15.1	ND
507.2	Mugu Lagoon/Laguna Road	SED	09/01/90	ND	ND	ND	0.7	ND	0.7	ND	0.6	ND	2.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
487.1	5.7	27.0	0.6	25.0	1.4	4.7	ND	2.5	66.9	ND	NA	0.3	ND	0.7	1.4	2.1	ND	ND	ND
487.3	ND	1.6	ND	3.8	ND	7.0	ND	ND	12.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
506.1	3.6	50.7	7.5	22.1	ND	5.5	ND	4.4	93.9	NA	NA	0.9	ND	NA	NA	ND	ND	NA	ND
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	2.4	11.3	0.6	16.3	1.0	3.7	ND	2.6	37.9	ND	ND	ND	0.3	ND	ND	0.3	ND	ND	ND
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	ND	5.8	2.3	18.0	2.4	15.0	ND	5.4	48.9	NA	NA	0.9	2.0	NA	NA	2.0	ND	NA	ND
507.1	2.2	8.4	ND	12.6	ND	3.1	ND	ND	26.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	9.0	26.0	3.3	108.6	1.6	7.6	ND	8.0	163.9	ND	ND	1.6	3.3	9.4	40.1	52.9	ND	ND	0.5
507.2	1.6	5.2	ND	30.4	1.2	2.4	ND	ND	40.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
487.1	ND	ND	ND	ND	ND	0.1	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
487.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
506.1	NA	NA	NA	0.7	ND	ND	NA	NA	NA	NA	NA	ND	234.0	ND	NA	234.0	NA	ND	204.9
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	354.9	ND	NA	354.9	NA	NA	340.0
506.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	69.6	ND	NA	69.6	ND	ND	1040.4
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	176.7	ND	NA	176.7	NA	NA	500.0
506.3	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	210.0	ND	NA	210.0	NA	ND	130.2
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NA	ND	14.6	ND	ND	14.6	ND	47.2	NA
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	29.7	ND	29.7	ND	ND	NA

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State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	ND	ND	0.1	2.7	ND	1.5	1.3	2.4	ND	8.0	ND	3.1	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	ND	1.1	15.4	0.2	7.5	2.6	12.6	1.1	40.6	7.4	46.2	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	ND	ND	0.2	2.4	ND	2.1	0.8	1.9	ND	7.4	2.3	1.8	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	ND	ND	0.5	6.2	0.5	5.0	3.2	7.8	0.6	23.9	ND	5.7	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	08/29/91	ND	NA	ND	1.7	ND	1.2	0.5	1.4	ND	4.8	ND	1.3	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/10/92	ND	NA	0.2	1.5	ND	1.4	0.7	1.3	ND	5.1	0.9	4.4	NA
507.4	Ag Drain/Etting Road	SED	11/28/90	ND	ND	0.6	4.6	ND	4.1	1.6	3.6	ND	14.6	10.4	1.1	ND
507.6	Ag Drain/Pleasant Valley Road	SED	11/28/90	0.6	ND	0.6	5.7	ND	5.2	2.1	4.8	ND	18.3	25.2	57.0	ND
507.7	Revolon Slough/Las Posas Rd	SED	11/28/90	ND	ND	ND	4.3	ND	3.1	1.2	3.3	ND	11.9	4.7	ND	ND
507.8	Revolon Slough	TFC	03/14/88	ND	ND	4.9	54.6	5.2	49.0	70.0	56.0	17.5	257.2	84.0	658.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
507.2	5.3	17.5	3.2	108.0	1.8	4.3	ND	5.8	145.9	ND	ND	1.5	0.8	4.2	10.0	14.9	ND	ND	0.3
507.3	15.7	69.1	12.3	446.6	10.2	27.7	4.2	8.8	594.6	ND	ND	6.6	8.3	21.6	21.6	51.4	1.1	6.5	ND
507.3	6.1	17.0	ND	80.0	1.6	11.0	ND	2.5	118.2	ND	ND	0.6	1.0	2.3	4.0	7.3	ND	ND	ND
507.3	12.2	32.2	5.2	224.0	ND	18.2	ND	10.9	302.7	ND	ND	4.3	23.8	14.0	26.6	64.4	ND	ND	0.5
507.3	4.1	18.0	1.3	75.0	2.2	8.1	ND	ND	108.7	ND	NA	0.6	ND	1.4	1.9	3.3	ND	ND	ND
507.3	3.8	16.0	1.1	73.0	1.8	8.4	ND	2.1	106.2	ND	NA	ND	ND	0.5	0.9	1.4	ND	ND	ND
507.4	5.4	20.8	ND	65.0	7.2	21.5	ND	ND	119.8	ND	ND	ND	ND	11.7	ND	11.7	ND	ND	0.7
507.6	14.3	45.1	3.8	152.0	21.9	47.5	4.0	3.8	292.4	14.3	10.9	ND	10.4	36.6	15.7	62.7	ND	ND	ND
507.7	13.4	53.7	4.0	198.6	9.9	22.2	ND	4.7	306.5	20.4	ND	ND	ND	9.3	22.8	32.1	1.8	ND	ND
507.8	147.0	336.0	37.8	1400.0	476.0	1400.0	ND	48.3	3845.1	NA	ND	33.6	105.0	112.0	77.0	294.0	12.6	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	18.9	ND	ND	18.9	ND	31.0	NA
507.3	ND	ND	0.4	ND	0.6	0.2	ND	ND	ND	NA	NA	ND	70.8	ND	NA	70.8	ND	277.2	NA
507.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8.6	ND	34.0	NA	42.6	ND	19.0	NA
507.3	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	NA	ND	9.0	ND	ND	9.0	ND	238.0	NA
507.3	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	NA	ND	ND	16.0	ND	16.0	NA	100.0	NA
507.3	ND	ND	ND	ND	ND	0.1	ND	NA	NA	ND	NA	ND	6.3	11.0	ND	17.0	NA	680.0	NA
507.4	ND	ND	ND	ND	ND	0.4	5.2	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	110.5	NA
507.6	ND	ND	0.8	ND	ND	0.3	6.7	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	437.0	NA
507.7	ND	ND	0.9	ND	ND	0.6	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	198.6	NA
507.8	NA	NA	NA	1.3	28.7	12.6	NA	NA	NA	NA	NA	12.6	273.0	ND	NA	285.6	ND	3290.0	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
507.8	Revolon Slough	TFC	01/29/89	ND	ND	4.7	36.4	4.2	12.1	ND	32.3	ND	89.8	77.8	151.5	ND
507.8	Revolon Slough	SED	01/29/89	ND	ND	0.9	6.1	ND	3.3	1.9	5.6	ND	17.9	6.1	108.1	ND
507.8	Revolon Slough	SED	09/03/89	ND	ND	ND	3.7	ND	3.2	2.7	3.1	ND	12.7	4.3	3.3	ND
507.8	Revolon Slough	SED	11/28/90	ND	ND	1.0	6.7	ND	6.2	2.6	4.7	ND	21.2	3.2	0.6	ND
507.8	Revolon Slough	TFC	03/11/91	ND	ND	1.8	22.4	0.7	16.6	51.5	19.9	ND	113.0	6.0	46.5	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	ND	1.0	ND	1.0	0.5	1.0	ND	3.5	0.8	0.5	ND
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	0.4	8.0	0.3	7.4	3.8	4.9	ND	24.8	14.0	25.0	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	0.2	3.6	0.2	3.1	2.9	3.3	ND	13.3	4.1	9.4	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	2.9	ND	1.9	2.1	2.2	ND	9.1	9.8	3.6	ND
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	0.4	ND	0.4	0.5	0.6	ND	1.9	ND	0.9	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
507.8	64.6	252.5	40.4	959.5	202.0	949.4	ND	39.4	2507.8	2.5	ND	13.1	212.1	111.1	969.6	1292.8	5.0	ND	ND
507.8	16.9	56.4	6.1	611.0	12.7	65.8	ND	5.6	774.6	ND	ND	1.9	6.1	ND	ND	6.1	ND	ND	ND
507.8	18.0	60.0	4.8	230.0	18.0	46.0	ND	7.8	384.6	ND	ND	1.1	2.7	4.6	9.1	16.4	ND	ND	ND
507.8	25.4	88.2	5.2	202.4	7.8	19.7	3.8	6.7	359.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.8	116.2	174.3	12.4	107.9	56.4	481.4	ND	34.9	983.6	ND	ND	4.4	9.1	9.1	24.1	42.3	1.8	ND	ND
508.1	3.4	8.5	ND	40.0	ND	4.9	ND	1.0	57.8	ND	ND	0.4	0.4	ND	2.0	2.4	ND	ND	ND
508.2	15.0	57.0	2.4	150.0	22.0	110.0	ND	3.0	359.4	ND	ND	2.4	84.0	62.0	23.0	169.0	ND	ND	ND
508.3	9.2	40.0	1.9	120.0	17.0	45.0	3.9	8.1	245.1	ND	ND	1.5	4.5	10.0	38.0	52.5	ND	ND	ND
508.4	19.0	70.0	6.1	220.0	25.0	62.0	ND	7.7	409.8	ND	ND	1.0	3.4	6.3	4.5	14.2	ND	ND	ND
508.5	1.3	8.4	ND	34.0	3.3	17.0	ND	ND	64.0	ND	ND	ND	0.7	1.6	3.0	5.3	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.8	ND	ND	2.7	1.5	ND	1.0	ND	ND	ND	NA	NA	ND	44.4	ND	NA	44.4	ND	7474.0	NA
507.8	ND	ND	ND	ND	ND	1.5	ND	ND	ND	NA	NA	ND	45.1	ND	NA	45.1	ND	239.7	NA
507.8	ND	ND	0.2	ND	ND	0.3	ND	ND	ND	NA	NA	ND	2.0	ND	NA	2.0	ND	130.0	NA
507.8	ND	1.6	0.7	ND	ND	0.5	5.2	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	202.4	NA
507.8	ND	ND	ND	ND	ND	1.4	ND	ND	ND	0.9	NA	ND	ND	ND	ND	ND	ND	2822.0	NA
508.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	14.0	NA	14.0	ND	ND	NA
508.2	ND	ND	ND	ND	ND	0.4	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	200.0	NA
508.3	ND	ND	0.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	170.0	NA
508.4	ND	ND	ND	ND	ND	0.2	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	150.0	NA
508.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	46.0	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	0.2	2.9	0.2	2.4	1.7	2.7	ND	10.1	2.1	1.0	ND
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	1.0	ND	1.0	1.2	1.1	ND	4.3	1.5	4.9	ND
509.0	Calleguas	SED	09/03/89	ND	ND	0.2	4.7	ND	4.7	1.2	3.1	ND	13.9	2.3	15.0	ND
553.0	Marina Del Rey/Entrance	TCM	12/19/88	ND	ND	1.0	10.1	ND	8.1	2.3	8.5	ND	30.1	2.1	ND	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	0.8	ND	2.3	19.8	1.2	16.6	ND	15.1	ND	55.0	ND	0.7	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	ND	ND	1.6	16.7	ND	11.1	3.3	16.7	ND	49.5	1.2	ND	ND
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	ND	0.4	8.9	ND	6.9	2.6	4.1	0.5	23.4	ND	ND	ND
555.0	Marina Del Rey/Basin G	TCM	12/19/88	ND	ND	0.9	12.5	0.2	5.9	4.0	9.3	1.5	34.4	ND	ND	ND
555.2	Marina Del Rey/Basin D	TCM	01/25/88	ND	ND	1.1	13.2	ND	14.3	8.5	5.5	1.0	43.6	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	ND	0.4	19.6	ND	19.6	11.2	13.7	1.1	65.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
508.6	11.0	32.0	4.6	210.0	13.0	44.0	ND	4.4	319.0	ND	ND	1.1	6.4	14.0	8.4	28.8	ND	ND	ND
508.7	4.8	23.0	2.2	120.0	22.0	83.0	ND	1.1	256.1	ND	ND	0.6	1.2	3.8	8.2	13.2	ND	ND	ND
509.0	11.0	35.0	2.8	140.0	12.0	21.0	ND	5.1	226.9	ND	ND	1.0	3.1	5.9	6.5	15.5	ND	ND	ND
553.0	1.3	10.1	5.7	30.1	ND	1.3	ND	3.9	52.4	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
554.0	2.2	11.2	3.1	37.8	0.9	2.7	5.8	2.5	66.0	ND	ND	6.5	ND	ND	ND	ND	ND	5.0	0.4
554.0	0.8	25.5	6.6	47.3	1.0	2.2	ND	5.1	88.5	ND	ND	6.7	ND	ND	ND	ND	ND	ND	0.2
555.0	ND	2.8	1.5	12.0	ND	ND	ND	1.4	17.7	ND	ND	4.8	ND	ND	ND	ND	ND	ND	0.1
555.0	2.8	19.9	6.7	38.7	ND	0.5	4.4	3.5	76.5	ND	ND	5.7	ND	8.0	12.9	20.9	ND	ND	ND
555.2	ND	4.9	1.2	24.2	ND	4.9	ND	4.0	39.3	NA	NA	9.9	ND	NA	NA	ND	ND	NA	ND
556.0	ND	8.8	5.7	39.2	ND	3.9	18.2	8.3	84.1	NA	NA	16.8	ND	NA	NA	ND	ND	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
508.6	ND	0.4	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	3.0	ND	NA	3.0	ND	120.0	NA
508.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	130.0	NA
509.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	22.0	NA	22.0	ND	45.0	NA
553.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	51.3	ND	NA	51.3	ND	ND	NA
554.0	ND	ND	0.4	0.4	0.3	ND	ND	ND	ND	NA	NA	ND	104.4	ND	NA	104.4	ND	ND	NA
554.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	162.0	ND	NA	162.0	ND	ND	NA
555.0	ND	ND	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	29.0	ND	NA	29.0	ND	ND	577.4
555.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	141.9	ND	NA	141.9	ND	ND	1245.0
555.2	NA	NA	NA	ND	0.8	ND	NA	NA	NA	NA	NA	ND	74.8	ND	NA	74.8	NA	ND	373.3
556.0	NA	NA	NA	ND	1.0	ND	NA	NA	NA	NA	NA	ND	96.6	ND	NA	96.6	NA	ND	862.9

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
556.0	Marina Del Rey/Basin E	TCM	12/19/88	ND	ND	0.7	12.5	ND	9.1	5.8	11.6	ND	39.7	ND	ND	ND
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	ND	ND	0.4	4.3	0.4	4.4	1.5	4.1	0.2	15.3	ND	ND	ND
559.0	King Harbor	TCM	12/28/87	ND	ND	ND	1.6	ND	1.8	1.2	1.6	0.2	6.3	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/28/87	ND	ND	0.8	5.2	ND	7.4	3.5	5.8	0.4	23.1	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/23/90	ND	ND	0.3	3.3	0.2	2.5	1.5	3.1	ND	10.9	ND	ND	ND
601.0	La Harbor/National Steel	SED	08/29/91	ND	NA	ND	1.2	ND	2.4	0.7	1.3	ND	5.6	4.2	0.2	NA
601.0	La Harbor/National Steel	TCM	12/22/91	ND	NA	0.1	4.3	ND	3.7	1.3	3.0	0.2	12.6	1.0	ND	NA
601.0	LA Harbor/National Steel	SED	09/10/92	ND	NA	0.5	1.2	ND	1.9	0.9	1.3	ND	5.8	3.5	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
556.0	4.1	8.0	10.4	52.5	ND	0.6	5.3	7.8	88.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
557.0	0.8	1.5	0.6	4.7	3.1	4.7	ND	0.4	15.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
559.0	ND	1.4	5.8	25.2	1.3	2.4	ND	4.6	40.7	NA	NA	1.7	ND	NA	NA	ND	ND	NA	ND
601.0	ND	1.1	16.8	46.8	15.6	60.0	ND	15.6	155.9	NA	NA	3.0	ND	NA	NA	ND	ND	NA	ND
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	4.9	16.4	9.2	50.7	1.0	1.4	3.4	5.4	92.4	ND	ND	1.3	ND	NA	NA	ND	ND	ND	ND
601.0	2.2	25.0	9.6	47.0	ND	ND	2.3	1.9	88.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
601.0	5.0	23.0	8.9	61.0	0.4	1.3	4.4	5.6	109.6	ND	NA	1.7	ND	ND	ND	ND	ND	ND	0.1
601.0	2.9	13.0	2.6	32.0	0.8	5.6	ND	1.6	58.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
556.0	ND	ND	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	175.0	ND	NA	175.0	ND	ND	1014.0
557.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	38.5	ND	NA	38.5	ND	ND	NA
559.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	40.8	ND	NA	40.8	NA	ND	999.1
601.0	NA	NA	NA	ND	0.6	ND	NA	NA	NA	NA	NA	216.0	300.0	ND	NA	516.0	NA	ND	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	125.3	374.4	ND	NA	499.7	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240.0	280.0	ND	NA	520.0	NA	NA	NA
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	37.3	149.0	ND	ND	186.3	ND	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	440.0	340.0	170.0	ND	950.0	NA	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	21.0	110.0	19.0	ND	150.0	NA	ND	NA
601.0	ND	ND	0.5	1.3	ND	0.3	ND	NA	NA	ND	NA	190.0	86.0	99.0	ND	370.0	NA	280.0	670.0

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
601.0	LA Harbor/National Steel	RBM	01/06/93	ND	NA	ND	2.4	ND	2.2	1.7	2.1	0.4	8.8	0.7	ND	NA
602.0	LA Harbor/West Basin	TCM	12/28/87	ND	ND	0.1	3.0	ND	3.1	ND	2.1	0.2	8.5	ND	ND	ND
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90	ND	ND	0.1	2.0	ND	1.3	1.5	2.1	ND	7.0	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	ND	ND	0.3	2.5	ND	3.1	ND	3.1	ND	9.0	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
601.0	2.6	9.8	4.9	48.0	3.9	15.0	1.9	3.7	89.8	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
602.0	1.6	7.8	7.4	26.0	0.7	1.7	ND	1.6	46.7	ND	ND	1.1	ND	ND	ND	ND	ND	ND	0.2
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	3.5	10.6	10.9	68.3	ND	1.1	3.2	5.5	103.1	ND	ND	1.0	ND	NA	NA	ND	ND	ND	ND
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	5.8	31.2	12.0	63.7	ND	6.2	13.0	7.7	139.6	NA	NA	2.6	ND	NA	NA	ND	ND	NA	ND
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethyl-parathion	Methyl-parathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	74.0	75.0	ND	ND	150.0	NA	55.0	400.0
602.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	130.0	ND	NA	130.0	ND	ND	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	187.0	ND	NA	187.0	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	130.9	ND	NA	130.9	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.0	130.0	ND	NA	143.0	NA	NA	NA
602.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	9.2	174.2	ND	ND	183.4	ND	ND	NA
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	155.8	ND	NA	155.8	NA	NA	NA
603.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	35.1	ND	NA	35.1	NA	ND	NA
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	178.8	ND	NA	178.8	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	71.4	ND	NA	71.4	NA	NA	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	2.0	ND	1.2	0.6	1.0	ND	4.9	ND	ND	ND
605.0	LA Harbor/Cabrillo Pier	RCM	12/22/91	ND	NA	ND	0.4	ND	0.3	0.3	0.8	ND	1.8	ND	ND	NA
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	ND	NA	ND	0.8	ND	0.8	1.1	0.8	ND	3.5	0.3	ND	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	ND	ND	2.9	ND	2.7	0.9	2.0	0.2	8.7	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	ND	0.3	3.2	ND	2.8	1.3	2.1	0.3	9.9	1.4	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	ND	ND	0.9	6.0	0.2	3.3	0.5	5.5	ND	16.4	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	0.3	2.4	ND	2.2	0.9	1.8	ND	7.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	3.2	6.3	14.9	129.4	ND	0.8	4.8	12.5	171.9	ND	ND	1.3	ND	NA	NA	ND	ND	ND	ND
605.0	1.3	3.1	15.0	100.0	ND	ND	2.5	8.6	130.5	ND	NA	0.2	ND	ND	ND	ND	ND	ND	ND
605.0	1.0	2.5	8.7	66.0	0.7	1.9	1.8	5.3	87.9	ND	NA	0.3	ND	ND	ND	ND	ND	ND	ND
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	1.6	3.1	7.7	41.4	1.8	1.2	3.6	6.3	66.7	ND	ND	1.1	ND	ND	ND	ND	ND	ND	0.3
616.0	2.2	6.6	2.9	17.0	ND	4.0	ND	3.7	36.4	ND	ND	0.9	ND	ND	ND	ND	ND	ND	0.1
616.0	2.9	21.6	7.7	54.6	ND	1.6	4.5	3.0	95.7	ND	ND	1.2	ND	NA	NA	ND	ND	ND	ND
616.0	1.9	9.2	2.1	12.0	ND	0.9	3.2	1.5	30.8	ND	ND	0.9	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	14.3	ND	NA	14.3	NA	NA	527.2
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	73.9	ND	NA	73.9	ND	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	6.1	56.0	ND	ND	62.0	NA	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	7.4	42.0	ND	ND	49.0	NA	15.0	NA
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	62.4	ND	NA	62.4	NA	NA	412.7
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	80.6	ND	NA	80.6	NA	NA	1348.7
609.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	32.4	ND	NA	32.4	ND	ND	NA
616.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	55.0	ND	NA	55.0	ND	ND	132.7
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	136.4	ND	NA	136.4	ND	ND	624.0
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	20.0	47.0	ND	NA	67.0	ND	ND	219.3

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	ND	ND	0.3	2.5	0.1	2.0	1.4	3.0	ND	9.3	ND	ND	ND
616.0	La Harbor/Consolidated Slip	SED	08/29/91	ND	NA	2.8	14.0	1.6	17.0	3.3	12.0	0.6	51.3	25.0	ND	NA
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	ND	NA	0.4	4.1	0.2	3.8	1.5	4.1	ND	14.1	ND	ND	NA
616.0	LA Harbor/Consolidated Slip	SED	09/10/92	0.7	NA	4.0	14.0	2.7	13.0	4.2	10.0	0.4	48.3	17.0	ND	NA
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	ND	NA	0.4	5.9	0.4	4.9	3.5	4.8	0.8	20.7	1.6	0.5	NA
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	ND	NA	ND	2.9	0.1	2.3	1.3	3.3	0.4	10.3	0.6	ND	NA
617.6	Point Fermin	RCM	01/05/93	ND	NA	ND	1.0	ND	0.7	0.4	0.6	0.4	3.1	0.9	ND	NA
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	ND	NA	ND	0.4	ND	1.0	0.2	0.4	ND	2.0	ND	ND	NA
618.0	LA Harbor/Angels Gate	TCM	12/23/90	ND	ND	ND	1.4	ND	1.1	0.7	1.5	ND	4.8	ND	ND	ND
618.0	LA Harbor/Angels Gate	RCM	12/22/91	ND	NA	ND	0.7	ND	0.7	0.4	1.0	0.2	3.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
616.0	3.4	11.2	4.2	25.1	ND	ND	2.5	2.5	48.9	ND	ND	0.7	ND	NA	NA	ND	ND	ND	ND
616.0	15.0	83.0	8.6	140.0	10.0	18.0	2.0	2.1	278.7	14.0	NA	5.9	ND	ND	ND	ND	ND	ND	ND
616.0	2.5	21.0	5.0	39.0	ND	1.5	ND	3.3	72.3	ND	NA	1.4	ND	ND	ND	ND	ND	ND	ND
616.0	18.0	69.0	7.7	160.0	9.6	27.0	ND	3.1	294.4	ND	NA	3.0	ND	2.6	ND	2.6	ND	0.9	ND
616.0	6.5	20.0	5.2	67.0	4.5	19.0	3.9	6.6	132.7	ND	NA	1.7	ND	ND	ND	ND	ND	ND	ND
616.0	2.7	11.0	2.7	40.0	4.3	17.0	1.6	2.5	81.8	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
617.6	1.2	3.8	9.1	97.0	ND	1.5	ND	11.0	123.6	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
617.9	0.6	1.3	4.5	45.0	ND	0.6	ND	4.4	56.4	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
618.0	2.7	8.5	21.4	163.8	ND	ND	4.3	14.8	215.4	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.3
618.0	1.5	6.1	20.0	130.0	ND	1.7	3.2	14.0	176.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	NA	10.2	70.7	ND	ND	80.9	ND	ND	ND
616.0	ND	ND	ND	ND	0.3	0.9	ND	NA	NA	9.1	NA	75.0	370.0	590.0	ND	1000.0	NA	ND	NA
616.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	14.0	88.0	ND	ND	100.0	NA	ND	NA
616.0	ND	ND	0.4	2.3	ND	1.7	ND	NA	NA	17.0	NA	260.0	110.0	120.0	ND	490.0	NA	1600.0	470.0
616.0	ND	ND	ND	0.3	ND	ND	ND	NA	NA	ND	NA	35.0	83.0	ND	ND	120.0	NA	260.0	240.0
616.0	0.2	ND	ND	ND	ND	ND	ND	NA	NA	0.5	NA	17.0	42.0	1.6	ND	61.0	NA	150.0	NA
617.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	32.0	ND	ND	32.0	NA	ND	NA
617.9	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	15.0	ND	ND	15.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	126.4	ND	ND	126.4	ND	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	7.8	72.0	ND	ND	80.0	NA	ND	NA

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State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
618.0	LA Harbor/Angels Gate	RCM	03/08/93	0.2	NA	ND	1.3	ND	1.3	0.6	1.1	0.2	4.5	ND	ND	NA
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	San Pedro Breakwater	RCM	03/08/93	ND	NA	ND	0.8	ND	1.2	0.4	0.6	ND	3.0	ND	ND	NA
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	ND	ND	ND	1.7	ND	1.9	0.6	1.7	ND	5.9	ND	ND	ND
621.0	LA Harbor/Berth 120	TCM	12/23/90	ND	ND	ND	2.0	ND	0.2	1.2	1.6	ND	5.0	ND	ND	ND
622.0	LA Harbor/Commer Marine	TCM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	Malibu	RBM	12/26/90	ND	ND	ND	0.4	ND	0.4	0.2	0.3	ND	1.4	ND	ND	ND
648.0	Malibu	RBM	01/06/93	ND	NA	ND	1.2	ND	1.2	0.8	0.9	0.3	4.4	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	12/22/91	ND	NA	ND	0.3	ND	0.3	ND	0.4	ND	1.0	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	09/10/92	ND	NA	ND	0.3	ND	0.2	0.3	0.3	ND	1.1	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
618.0	1.1	2.3	7.1	68.0	0.7	2.9	ND	5.8	87.9	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	1.1	2.6	9.7	87.0	ND	1.2	ND	9.0	110.6	ND	NA	0.8	ND	ND	ND	ND	ND	ND	ND
620.0	1.9	6.7	8.3	58.1	ND	1.0	ND	6.3	82.3	ND	ND	0.4	ND	NA	NA	ND	ND	ND	ND
621.0	3.8	9.0	4.8	67.7	ND	0.8	4.9	6.8	97.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	ND	1.8	1.7	12.6	ND	0.5	ND	ND	16.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.1
648.0	0.6	1.0	2.7	21.0	ND	0.7	ND	3.7	29.7	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
648.1	ND	ND	ND	1.7	ND	ND	ND	ND	1.7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.1	ND	0.5	ND	1.2	ND	ND	ND	ND	1.7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	11.0	34.0	ND	ND	45.0	NA	19.0	NA
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150.0
619.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	29.0	ND	ND	29.0	NA	ND	NA
620.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	75.7	ND	ND	75.7	ND	ND	NA
621.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	108.2	ND	ND	108.2	ND	ND	NA
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	880.0
648.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	8.1	ND	ND	8.1	ND	ND	NA
648.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	17.0	ND	ND	17.0	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
648.3	Malibu Lagoon/Channel C	SED	12/22/91	ND	NA	ND	0.7	ND	1.5	ND	1.0	ND	3.2	ND	ND	NA
648.3	Malibu Lagoon/Channel C	SED	09/10/92	ND	NA	0.2	0.9	ND	1.6	0.5	1.0	ND	4.2	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	12/22/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	09/10/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
650.0	Santa Monica	RBM	12/26/90	ND	ND	ND	1.5	ND	1.8	0.5	1.2	ND	5.1	ND	ND	ND
650.0	Santa Monica	RCM	01/06/93	ND	NA	0.1	3.4	ND	2.4	2.2	2.3	0.7	11.1	5.1	ND	NA
662.0	Royal Palms	RCM	12/28/87	ND	ND	ND	0.4	ND	0.4	ND	ND	ND	0.8	ND	ND	ND
662.0	Royal Palms	RCM	12/19/88	ND	ND	ND	1.2	ND	0.7	ND	0.4	ND	2.3	ND	ND	ND
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	0.6	ND	0.4	ND	0.2	ND	1.2	ND	ND	ND
662.0	Royal Palms	RCM	12/26/90	ND	ND	ND	0.8	ND	0.6	0.2	0.4	ND	2.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
648.3	ND	0.4	ND	1.7	ND	ND	ND	ND	2.1	ND	NA	4.5	ND	ND	ND	ND	ND	ND	ND
648.3	ND	0.2	ND	1.1	ND	ND	ND	ND	1.3	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	0.4	ND	ND	ND	ND	ND	ND	0.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
650.0	ND	2.4	2.1	13.0	ND	ND	ND	1.5	19.0	ND	ND	0.8	0.2	NA	NA	0.2	ND	ND	0.3
650.0	1.4	4.5	ND	42.0	0.6	3.3	ND	7.1	58.9	ND	NA	4.1	ND	ND	ND	ND	ND	ND	ND
662.0	ND	1.3	2.9	24.0	ND	ND	ND	4.6	33.2	ND	ND	0.2	ND	ND	ND	ND	ND	ND	0.1
662.0	1.4	6.9	10.7	129.4	ND	ND	4.1	8.5	161.0	ND	ND	0.4	ND	NA	NA	ND	ND	ND	0.3
662.0	1.2	5.5	8.3	71.0	ND	0.8	9.6	7.6	104.0	ND	ND	1.0	ND	NA	NA	ND	ND	ND	0.3
662.0	1.5	5.9	8.0	109.9	ND	0.6	ND	8.7	134.6	ND	ND	0.4	ND	NA	NA	ND	ND	ND	0.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
648.3	ND	ND	ND	ND	0.4	ND	ND	NA	NA	ND	NA	ND	72.0	3.7	ND	76.0	NA	ND	NA
648.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	9.1	ND	ND	9.1	ND	ND	NA
650.0	ND	ND	ND	0.1	ND	ND	ND	NA	NA	0.7	NA	21.0	120.0	ND	ND	140.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	6.4	ND	NA	6.4	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.6	ND	NA	20.6	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.0	ND	NA	20.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	20.1	ND	ND	20.1	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
662.0	Royal Palms	RCM	11/25/91	ND	NA	ND	0.4	ND	0.5	ND	0.3	ND	1.2	ND	ND	NA
662.0	Royal Palms	RCM	01/05/93	ND	NA	ND	1.0	ND	0.7	0.3	0.4	0.3	2.7	ND	ND	NA
664.0	Cabrillo Beach	RCM	12/22/91	ND	NA	ND	0.3	ND	0.3	0.2	0.5	ND	1.3	ND	ND	NA
664.2	Cabrillo Beach Buoy	RCM	01/05/93	ND	NA	ND	1.1	ND	1.4	0.7	1.1	0.2	4.5	ND	ND	NA
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	ND	NA	ND	0.2	ND	0.2	ND	0.1	0.1	0.6	ND	ND	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	ND	0.8	5.4	ND	7.2	3.1	5.4	ND	21.8	2.0	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	ND	ND	0.5	6.9	ND	3.3	ND	5.1	ND	15.8	0.7	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	0.3	4.0	ND	3.8	1.9	2.8	0.5	13.3	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	ND	ND	ND	2.9	ND	2.8	1.7	2.0	ND	9.5	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	ND	NA	ND	2.6	ND	1.7	1.3	2.9	0.3	8.8	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
662.0	1.4	4.0	14.0	120.0	ND	1.5	2.9	14.0	157.8	ND	NA	0.2	ND	ND	ND	ND	ND	ND	0.2
662.0	0.9	2.0	5.8	62.0	ND	0.6	1.2	6.0	78.5	ND	NA	0.9	ND	ND	ND	ND	ND	ND	ND
664.0	1.0	3.0	11.0	74.0	ND	1.4	ND	6.9	97.3	ND	NA	0.1	ND	ND	ND	ND	ND	ND	ND
664.2	1.7	3.9	10.0	78.0	1.2	4.8	ND	8.8	108.4	ND	NA	0.3	ND	ND	ND	ND	ND	ND	ND
682.0	ND	ND	0.4	4.5	ND	0.6	ND	0.5	6.0	ND	NA	0.2	ND	ND	ND	ND	ND	ND	ND
707.0	ND	4.5	7.4	64.8	ND	5.6	9.9	11.3	103.5	NA	NA	0.6	4.5	NA	NA	4.5	ND	NA	0.5
707.0	ND	20.0	8.0	109.2	ND	2.5	5.3	8.7	153.8	ND	ND	2.4	ND	ND	ND	ND	ND	ND	0.4
707.0	1.7	4.9	5.2	39.0	ND	ND	ND	6.7	57.5	ND	ND	1.7	ND	NA	NA	ND	ND	ND	ND
707.0	1.9	7.0	2.8	48.0	ND	0.7	ND	5.7	66.1	ND	ND	1.7	ND	ND	ND	ND	ND	ND	0.3
707.0	1.3	3.5	8.6	82.0	ND	1.0	ND	7.2	103.6	ND	NA	1.8	ND	ND	ND	ND	ND	ND	0.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	23.0	ND	ND	23.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	20.0	ND	ND	20.0	NA	20.0	NA
664.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	5.3	37.0	ND	ND	42.0	NA	ND	NA
664.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	9.9	45.0	ND	ND	55.0	NA	27.0	NA
682.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
707.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	39.6	ND	NA	39.6	NA	ND	125.5
707.0	ND	ND	0.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	72.8	ND	NA	72.8	ND	ND	155.8
707.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	12.0	31.0	ND	NA	43.0	ND	ND	61.4
707.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	NA	ND	29.5	ND	ND	29.5	ND	ND	70.0
707.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	0.9	NA	ND	53.0	ND	ND	53.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	ND	ND	0.3	4.6	ND	4.0	1.8	4.2	0.4	15.3	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	0.4	3.9	ND	3.6	2.4	2.3	0.3	12.9	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	ND	ND	ND	1.6	ND	1.5	0.9	1.0	ND	4.9	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	ND	NA	0.3	2.7	ND	2.4	1.5	2.8	0.2	9.9	ND	ND	NA
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	ND	ND	ND	2.4	ND	1.4	1.6	2.1	0.2	7.6	ND	ND	ND
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	ND	NA	0.2	2.5	ND	1.3	1.6	1.9	ND	7.5	ND	0.7	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	0.6	ND	0.4	7.2	ND	10.1	4.3	8.6	ND	30.7	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	ND	ND	0.8	9.0	0.3	5.3	2.2	6.6	0.7	24.8	1.1	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	0.7	7.5	0.2	6.3	3.7	3.7	0.2	22.3	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	ND	ND	0.5	7.8	0.3	6.8	3.1	6.5	0.5	25.5	0.9	0.4	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
708.0	1.7	4.0	5.4	40.0	3.4	1.7	ND	4.6	60.7	ND	ND	2.2	3.6	ND	11.2	14.8	ND	ND	0.4
708.0	2.8	8.3	5.7	73.0	ND	1.3	ND	6.7	97.8	ND	ND	1.6	0.2	NA	NA	0.2	ND	ND	0.2
708.0	1.1	4.1	3.1	20.4	ND	ND	ND	2.8	31.6	ND	ND	0.7	ND	ND	ND	ND	ND	ND	0.2
708.0	1.4	5.9	8.0	79.0	ND	1.6	ND	7.6	103.5	ND	NA	1.8	ND	ND	ND	ND	ND	ND	0.2
708.5	2.7	3.6	3.2	33.2	ND	0.9	ND	4.9	48.5	ND	ND	22.1	ND	ND	ND	ND	ND	ND	0.3
708.5	1.3	2.8	6.0	65.0	ND	1.6	ND	4.1	80.8	ND	NA	0.9	ND	ND	ND	ND	ND	ND	0.2
710.2	4.0	15.8	7.6	97.2	ND	5.4	4.3	6.5	140.8	ND	ND	3.6	7.2	ND	ND	7.2	ND	ND	0.8
710.2	2.2	12.5	8.5	100.8	ND	2.2	3.8	5.1	135.2	ND	ND	3.0	2.4	ND	ND	2.4	ND	ND	0.2
710.2	3.3	8.4	5.8	66.0	ND	3.1	20.0	9.0	115.6	ND	ND	1.9	ND	NA	NA	ND	ND	ND	ND
713.0	2.2	5.5	2.6	26.4	1.6	4.9	2.4	1.1	46.7	ND	ND	3.2	11.5	8.2	19.2	38.9	ND	ND	0.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
708.0	ND	ND	0.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	38.0	ND	NA	38.0	ND	ND	177.4
708.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	18.0	53.0	ND	NA	71.0	ND	ND	58.3
708.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NA	ND	10.8	ND	ND	10.8	ND	ND	68.0
708.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	0.8	NA	ND	51.0	ND	ND	51.0	NA	ND	NA
708.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	17.4	ND	ND	17.4	ND	ND	NA
708.5	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	ND	ND	40.0	NA	ND	NA
710.2	ND	ND	1.8	0.3	ND	ND	ND	ND	ND	NA	NA	ND	68.4	ND	NA	68.4	ND	ND	NA
710.2	ND	ND	0.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	67.2	ND	NA	67.2	ND	ND	NA
710.2	ND	ND	ND	ND	ND	0.3	ND	ND	ND	NA	NA	22.0	59.0	ND	NA	81.0	ND	ND	NA
713.0	ND	ND	0.6	ND	0.2	ND	ND	ND	ND	NA	NA	ND	63.6	ND	NA	63.6	ND	ND	NA

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APPENDIX N (continued)

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Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	0.5	6.7	ND	5.8	2.0	6.0	0.3	21.3	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	ND	ND	ND	2.0	ND	1.8	1.1	1.1	ND	6.0	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	ND	NA	0.3	3.8	ND	2.1	2.0	3.6	0.2	12.0	ND	0.5	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	ND	0.4	7.9	0.2	6.9	3.2	6.6	0.5	25.7	0.5	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	ND	ND	1.2	15.1	0.5	9.2	4.1	10.8	1.0	41.9	1.3	1.0	4.2
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	0.8	9.4	0.2	8.9	4.2	6.5	0.4	30.4	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	ND	ND	ND	3.4	ND	2.9	1.9	2.3	0.1	10.7	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	ND	NA	ND	3.4	ND	3.4	2.9	4.4	0.2	14.3	ND	ND	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	ND	NA	0.3	4.4	0.2	4.4	2.5	4.3	ND	16.1	2.6	0.6	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	ND	0.2	8.8	ND	9.5	4.8	5.8	ND	29.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
713.0	3.7	13.0	5.9	49.0	ND	ND	ND	6.6	78.2	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND
713.0	0.7	3.1	0.8	11.6	ND	0.9	ND	0.9	18.0	ND	ND	1.5	0.1	ND	ND	0.1	ND	ND	ND
713.0	1.8	5.6	3.6	53.0	ND	1.7	ND	2.9	68.6	ND	NA	1.9	ND	ND	ND	ND	ND	ND	0.1
715.0	1.4	3.6	1.6	27.5	0.6	3.0	ND	1.2	38.9	ND	ND	3.2	2.3	ND	10.2	12.5	ND	ND	ND
715.0	3.1	17.3	5.5	82.1	ND	0.8	3.3	2.8	115.0	ND	ND	5.5	1.2	ND	ND	1.2	ND	ND	ND
715.0	1.9	8.4	7.0	44.0	ND	0.5	6.8	6.0	74.6	ND	ND	3.5	0.2	ND	ND	0.2	ND	ND	ND
715.0	0.9	3.3	1.0	14.3	ND	ND	ND	0.7	20.3	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND
715.0	1.0	2.3	2.0	44.0	ND	ND	ND	2.0	51.3	ND	NA	2.0	ND	ND	ND	ND	ND	ND	ND
715.0	0.8	3.0	1.1	39.0	1.2	5.2	ND	3.9	54.2	ND	NA	2.4	ND	ND	ND	ND	ND	ND	ND
717.0	ND	3.3	1.3	15.0	ND	1.5	ND	2.9	24.0	NA	NA	3.8	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
713.0	ND	ND	ND	ND	ND	0.2	ND	ND	ND	NA	NA	ND	57.0	ND	NA	57.0	ND	ND	NA
713.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	NA	ND	9.3	ND	ND	9.3	ND	ND	84.0
713.0	ND	ND	0.1	ND	ND	ND	ND	NA	NA	2.1	NA	7.6	44.0	ND	ND	52.0	NA	ND	NA
715.0	ND	ND	0.4	ND	0.2	ND	ND	ND	ND	NA	NA	ND	77.0	ND	NA	77.0	ND	ND	NA
715.0	ND	ND	0.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	71.3	ND	NA	71.3	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	12.0	47.0	ND	NA	59.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NA	ND	9.2	ND	ND	9.2	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1	NA	ND	44.0	ND	ND	44.0	NA	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1	NA	7.2	33.0	8.4	ND	49.0	NA	26.0	NA
717.0	NA	NA	NA	ND	0.5	ND	NA	NA	NA	NA	NA	ND	58.0	ND	NA	58.0	NA	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	ND	ND	1.2	1.2	0.7	7.5	3.0	8.9	0.9	23.4	4.5	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	ND	NA	ND	3.3	ND	3.6	2.9	5.8	0.7	16.3	ND	ND	NA
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	ND	NA	0.3	5.2	0.4	3.0	1.7	1.7	0.3	12.6	15.0	29.0	NA
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	ND	NA	0.5	2.7	0.4	2.8	0.8	1.6	0.6	9.4	12.0	28.0	NA
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	ND	ND	ND	1.4	ND	0.5	0.7	0.8	ND	3.5	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	ND	ND	3.4	ND	3.6	1.0	2.5	0.3	10.8	ND	0.7	ND
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	ND	ND	3.4	ND	2.6	1.1	3.2	0.3	10.6	0.8	5.7	ND
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	2.9	ND	2.7	1.5	2.1	0.3	9.5	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/90	ND	ND	ND	0.9	ND	0.8	0.4	0.5	ND	2.7	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	ND	ND	0.3	7.4	ND	7.2	ND	6.6	0.7	22.2	ND	1.8	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
717.0	0.7	20.6	3.4	47.7	ND	1.0	4.4	3.4	81.2	ND	ND	5.2	0.2	ND	ND	0.2	ND	ND	ND
717.0	3.4	15.0	8.1	98.0	ND	ND	4.5	6.9	135.9	ND	NA	4.6	ND	ND	ND	ND	ND	ND	ND
719.1	2.4	5.6	1.2	35.0	3.8	26.0	ND	ND	74.0	ND	NA	5.7	1.3	3.0	3.6	7.9	ND	ND	0.4
719.1	2.3	7.5	1.4	48.0	1.5	5.2	ND	4.0	69.9	ND	NA	5.1	0.9	0.7	4.2	5.8	ND	ND	ND
720.5	1.0	2.2	2.6	22.0	ND	ND	ND	2.2	30.0	ND	ND	0.6	ND	ND	ND	ND	ND	ND	0.7
721.0	1.3	5.7	1.0	32.5	0.6	2.6	ND	2.9	46.5	ND	ND	1.3	7.7	3.9	48.1	59.7	ND	ND	0.2
721.0	2.5	10.5	3.4	58.5	ND	0.8	ND	4.3	79.9	ND	ND	2.2	1.8	ND	ND	1.8	ND	ND	0.3
721.0	1.4	6.5	2.0	34.0	ND	0.8	ND	3.5	48.2	ND	ND	1.4	ND	NA	NA	ND	ND	ND	0.3
721.0	ND	2.6	1.0	13.7	ND	ND	ND	1.1	18.4	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND
723.0	3.8	22.4	3.7	100.8	ND	3.4	3.8	5.4	143.4	ND	ND	2.7	7.0	5.1	20.8	33.0	ND	ND	0.4

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethyl-parathion	Methyl-parathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
717.0	ND	ND	0.9	ND	ND	0.2	ND	ND	ND	NA	NA	ND	52.9	ND	NA	52.9	ND	ND	NA
717.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.4	NA	82.0	380.0	ND	ND	460.0	NA	ND	NA
719.1	ND	ND	1.0	ND	0.3	0.1	ND	NA	NA	41.0	NA	24.0	25.0	15.0	ND	64.0	NA	ND	NA
719.1	ND	ND	1.9	0.2	0.7	0.2	ND	NA	NA	12.0	NA	30.0	19.0	ND	ND	49.0	NA	ND	NA
720.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	NA	ND	22.0	ND	ND	22.0	ND	ND	NA
721.0	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	41.6	ND	NA	41.6	ND	ND	NA
721.0	ND	ND	0.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	29.3	ND	NA	29.3	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	NA	ND	26.0	ND	NA	26.0	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	NA	ND	6.0	ND	ND	6.0	ND	ND	NA
723.0	ND	ND	0.6	ND	0.2	ND	ND	ND	ND	NA	NA	ND	84.8	ND	NA	84.8	ND	ND	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	0.5	5.5	ND	4.7	2.0	3.6	0.4	16.7	ND	1.5	ND
723.0	Newport Bay/Bay Island	TCM	12/21/90	ND	ND	ND	1.5	ND	1.3	0.7	1.0	0.1	4.7	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/22/91	ND	NA	0.1	4.0	ND	3.5	2.2	4.6	0.4	14.8	ND	ND	NA
723.4	Newport Bay/Turning Basin	TCM	12/21/87	0.1	ND	0.4	8.0	0.2	7.8	3.0	7.8	1.1	28.3	1.1	2.4	ND
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	ND	ND	4.6	ND	3.4	2.1	3.4	ND	13.5	ND	5.0	ND
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	0.3	5.3	0.2	4.5	2.2	3.0	0.3	15.8	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/90	ND	ND	0.1	3.9	ND	2.1	1.5	2.9	0.2	10.7	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/22/91	ND	NA	0.2	2.6	ND	2.4	1.7	3.3	ND	10.2	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	ND	0.8	9.4	0.9	12.0	6.5	9.4	0.5	39.4	2.4	1.4	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	ND	ND	0.6	8.7	ND	5.9	2.8	6.9	0.8	25.7	2.0	10.2	6.6

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
723.0	2.9	19.0	6.7	82.0	ND	0.8	14.0	8.6	134.0	ND	ND	3.2	0.5	ND	ND	0.5	ND	ND	0.3
723.0	0.7	4.4	0.9	15.4	ND	ND	ND	1.0	22.5	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND
723.0	2.0	18.0	3.4	110.0	ND	1.7	ND	6.0	141.1	ND	NA	2.3	ND	ND	ND	ND	ND	ND	ND
723.4	3.6	15.6	4.1	46.8	0.7	2.8	4.2	2.8	80.5	ND	ND	3.7	9.8	5.6	21.6	37.1	ND	ND	0.1
723.4	1.6	12.8	1.8	28.1	ND	0.6	ND	3.0	47.9	ND	ND	3.3	2.2	ND	ND	2.2	ND	ND	ND
723.4	1.8	10.0	1.6	49.0	ND	ND	ND	2.6	65.0	ND	ND	1.5	0.2	NA	NA	0.2	ND	ND	ND
723.4	0.7	6.5	ND	24.4	ND	ND	ND	1.8	33.4	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND
723.4	1.5	6.7	1.8	45.0	ND	ND	ND	2.2	57.2	ND	NA	1.8	ND	ND	ND	ND	ND	ND	ND
724.0	8.9	22.8	6.7	88.8	ND	9.1	19.2	13.2	168.7	NA	NA	7.7	31.2	NA	NA	31.2	ND	NA	ND
724.0	4.1	29.0	4.1	145.2	ND	0.7	4.1	8.2	195.4	ND	ND	5.4	2.6	ND	ND	2.6	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
723.0	ND	ND	0.6	ND	ND	ND	ND	ND	ND	11.9	NA	18.0	47.0	ND	NA	65.0	ND	ND	281.6
723.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	NA	ND	7.3	ND	ND	7.3	ND	ND	180.0
723.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.8	NA	7.7	58.0	ND	ND	66.0	NA	ND	NA
723.4	ND	ND	0.5	ND	0.2	ND	ND	ND	ND	NA	NA	ND	73.2	ND	NA	73.2	ND	ND	NA
723.4	ND	ND	0.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	30.5	ND	NA	30.5	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	NA	11.0	47.0	ND	NA	58.0	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	NA	ND	33.6	ND	ND	33.6	ND	ND	420.0
723.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1	NA	7.7	50.0	ND	ND	58.0	NA	ND	NA
724.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	48.0	ND	NA	48.0	NA	ND	NA
724.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	52.8	ND	NA	52.8	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	0.2	5.7	ND	5.1	2.8	4.4	0.4	18.6	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	ND	ND	ND	2.8	ND	11.2	1.3	1.9	0.2	17.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	ND	NA	0.2	2.9	ND	4.0	2.5	5.8	0.4	15.8	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	ND	NA	0.1	3.7	ND	3.2	1.4	2.7	0.5	11.6	9.1	0.6	NA
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	0.3	5.8	ND	4.1	3.0	4.8	0.7	18.7	ND	0.5	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/90	ND	ND	0.1	3.3	ND	1.6	1.2	3.0	0.2	9.4	ND	0.3	ND
725.0	Newport Bay/Crows Nest	TCM	12/22/91	ND	NA	ND	2.8	ND	3.6	2.8	6.3	0.7	16.2	0.8	ND	NA
725.0	Newport Bay/Crows Nest	TCM	01/05/93	ND	NA	0.1	3.3	ND	2.3	1.5	2.4	0.8	10.4	1.4	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
724.0	3.8	19.0	3.1	140.0	ND	ND	4.2	5.9	176.0	ND	ND	3.2	0.3	NA	NA	0.3	ND	ND	ND
724.0	1.5	5.7	1.7	33.5	ND	ND	ND	2.1	44.5	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND
724.0	3.2	19.0	3.8	130.0	ND	ND	ND	6.5	162.5	ND	NA	2.4	ND	ND	ND	ND	ND	ND	ND
724.0	1.3	4.9	1.0	61.0	1.3	8.2	ND	3.0	80.7	ND	NA	2.7	ND	ND	1.0	1.0	ND	ND	ND
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	2.8	15.0	5.4	51.0	ND	2.0	ND	6.8	83.0	ND	ND	3.9	0.2	NA	NA	0.2	ND	ND	0.2
725.0	1.6	4.8	ND	30.5	ND	ND	ND	2.6	39.5	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
725.0	3.4	16.0	8.5	100.0	ND	ND	4.5	7.4	139.8	ND	NA	4.8	ND	ND	ND	ND	ND	ND	ND
725.0	1.1	5.4	0.8	41.0	0.5	1.6	ND	2.6	53.0	ND	NA	4.1	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0	NA	ND	48.0	ND	NA	48.0	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	NA	ND	15.8	ND	ND	15.8	ND	ND	330.0
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.3	NA	6.6	63.0	ND	ND	70.0	NA	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.8	NA	ND	22.0	2.1	ND	24.0	NA	42.0	190.0
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	360.0	ND	NA	360.0	NA	NA	1911.9
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.8	379.6	ND	NA	404.4	NA	NA	1125.0
725.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3	NA	130.0	280.0	ND	NA	410.0	ND	ND	649.5
725.0	ND	ND	ND	ND	0.1	ND	ND	ND	ND	1.2	NA	28.4	157.5	ND	ND	185.9	ND	ND	910.0
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.3	NA	82.0	380.0	ND	ND	460.0	NA	ND	NA
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	26.0	130.0	ND	ND	160.0	NA	ND	470.0

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	ND	0.2	4.5	ND	3.3	1.4	4.1	0.4	14.0	1.2	7.9	3.6
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	ND	ND	2.5	11.7	0.4	9.4	ND	8.8	ND	32.8	3.8	8.2	5.8
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	ND	0.2	4.1	ND	2.9	1.1	2.9	0.4	11.7	1.1	4.6	3.2
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	0.4	3.7	ND	2.9	2.0	4.3	0.5	13.8	0.9	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	2.4	ND	2.4	1.7	1.8	ND	8.4	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	ND	ND	ND	4.1	ND	3.0	1.7	3.2	0.4	12.5	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	ND	NA	ND	5.5	ND	4.6	3.9	8.3	0.6	22.9	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	1.5	12.3	2.2	56.2	ND	ND	ND	3.3	75.5	ND	ND	3.3	2.6	ND	ND	2.6	ND	ND	ND
726.4	8.2	52.0	5.7	111.8	ND	7.7	14.3	8.6	208.3	ND	ND	4.7	22.1	ND	ND	22.1	ND	4.0	0.3
726.4	2.3	9.2	1.2	52.6	ND	1.8	2.0	1.4	70.6	ND	ND	3.9	0.7	ND	19.7	20.4	ND	3.9	ND
726.4	1.9	8.3	9.4	51.0	ND	ND	4.4	5.5	80.5	ND	ND	3.0	0.2	ND	ND	0.2	ND	ND	ND
726.4	ND	2.5	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	ND	7.5	2.7	34.8	ND	4.0	ND	ND	48.9	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND
726.4	ND	5.9	5.2	28.1	ND	ND	ND	ND	39.2	ND	ND	2.0	ND	ND	ND	ND	ND	ND	ND
726.4	4.4	20.0	13.0	120.0	ND	ND	6.0	2.4	165.8	ND	NA	5.2	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	96.0	ND	NA	96.0	NA	NA	790.8
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	273.6	ND	NA	273.6	NA	NA	1188.0
726.2	ND	ND	0.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	21.6	ND	NA	21.6	ND	ND	NA
726.4	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	52.0	ND	NA	52.0	ND	ND	NA
726.4	ND	ND	0.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	8.9	ND	NA	8.9	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2	NA	90.0	400.0	ND	NA	490.0	ND	ND	779.2
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	31.6	35.5	ND	67.2	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	NA	ND	268.6	134.3	142.2	403.0	ND	ND	ND
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	NA	ND	158.6	ND	ND	158.6	ND	ND	600.0
726.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	3.8	NA	110.0	520.0	ND	ND	630.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	ND	NA	ND	3.8	ND	4.6	1.5	3.6	0.4	13.9	1.2	ND	NA
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	ND	ND	0.6	3.4	1.1	3.0	1.8	3.3	0.1	13.3	6.9	0.3	22.5
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	ND	NA	0.7	5.3	0.7	3.8	2.6	5.0	0.8	18.9	35.0	5.2	NA
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	ND	ND	0.7	4.1	ND	0.6	ND	4.8	ND	10.1	0.9	8.5	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	0.8	7.6	1.1	5.8	2.8	3.1	0.2	21.4	20.0	29.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	ND	ND	0.4	4.9	0.7	3.5	1.6	4.3	0.2	15.5	7.5	3.2	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	ND	NA	0.3	3.3	0.7	2.4	1.3	2.6	0.5	11.1	42.0	8.4	NA
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	1.0	9.0	1.3	7.8	3.3	3.3	0.2	25.9	25.0	30.0	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	ND	1.7	11.2	ND	8.4	ND	11.9	0.7	33.8	ND	4.8	ND
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	ND	ND	0.3	3.9	0.5	2.7	1.9	2.7	ND	12.1	27.4	7.2	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
726.4	0.9	1.4	2.6	34.0	ND	2.6	ND	5.8	47.3	ND	NA	1.8	ND	ND	ND	ND	ND	ND	0.3
727.0	1.7	2.9	ND	10.8	1.7	8.4	ND	2.7	28.2	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND
727.0	4.9	12.0	3.0	64.0	1.2	4.5	ND	6.2	95.8	ND	NA	4.4	ND	ND	2.7	2.7	ND	ND	ND
728.4	2.3	20.4	1.0	119.0	10.2	29.8	ND	2.3	185.0	ND	ND	3.1	3.7	62.0	153.0	218.8	ND	ND	ND
728.4	7.5	18.0	2.9	78.0	2.8	29.0	ND	2.8	141.0	ND	ND	2.4	9.0	8.2	22.0	39.2	ND	ND	ND
728.4	3.3	15.0	1.4	42.8	4.9	18.0	ND	2.9	88.2	ND	39.8	1.6	ND	ND	6.7	6.7	ND	ND	ND
728.4	2.5	6.5	1.3	42.0	2.8	16.0	ND	4.9	76.0	ND	NA	2.8	ND	ND	3.2	3.2	ND	ND	ND
728.5	8.9	32.0	2.0	78.0	ND	ND	ND	1.8	122.7	ND	ND	1.4	9.3	8.9	27.0	45.2	ND	ND	ND
728.6	9.8	44.1	8.4	175.0	18.9	67.9	ND	3.2	327.3	18.9	217.0	2.9	98.0	ND	ND	98.0	ND	ND	0.3
728.7	3.0	11.5	1.3	25.9	3.4	14.4	ND	0.9	60.3	4.1	273.6	1.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.4	ND	ND	0.3	ND	ND	ND	ND	NA	NA	ND	NA	ND	36.0	4.3	ND	40.0	NA	ND	490.0
727.0	ND	ND	ND	ND	0.1	0.3	ND	ND	ND	28.4	NA	4.9	24.5	ND	ND	29.4	ND	ND	NA
727.0	ND	ND	ND	ND	ND	0.3	ND	NA	NA	22.0	NA	14.0	47.0	ND	ND	61.0	NA	ND	NA
728.4	ND	ND	ND	ND	ND	0.2	ND	ND	ND	NA	NA	ND	23.0	ND	NA	23.0	ND	ND	NA
728.4	ND	ND	0.5	ND	ND	0.4	ND	ND	ND	261.8	NA	ND	43.0	ND	NA	43.0	ND	120.0	NA
728.4	ND	ND	ND	ND	0.3	0.1	ND	ND	ND	60.0	NA	ND	22.5	ND	ND	22.5	ND	ND	NA
728.4	ND	ND	ND	ND	0.3	0.2	ND	NA	NA	62.0	NA	7.5	16.0	3.2	ND	27.0	NA	110.0	NA
728.5	ND	ND	0.5	ND	0.3	0.3	ND	ND	ND	314.4	NA	ND	34.0	ND	NA	34.0	ND	100.0	NA
728.6	ND	ND	0.6	0.4	0.6	0.8	ND	ND	ND	NA	ND	ND	10.5	ND	NA	10.5	0.7	217.0	NA
728.7	ND	ND	ND	ND	ND	0.4	ND	ND	ND	24.5	NA	ND	9.4	ND	ND	9.4	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	ND	NA	0.3	3.4	0.8	2.3	1.5	2.6	0.6	11.5	56.0	6.0	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	ND	1.4	14.4	2.6	19.8	9.9	14.4	0.5	63.0	35.1	11.7	ND
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	0.3	2.2	0.5	2.2	2.6	2.2	ND	10.0	2.0	ND	ND
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	ND	ND	ND	2.9	ND	6.1	1.2	3.6	ND	13.9	ND	ND	ND
735.0	Corona Del Mar	RCM	12/26/90	ND	ND	ND	0.9	ND	1.0	0.4	0.6	ND	2.9	ND	ND	ND
735.0	Corona Del Mar	RCM	11/29/91	ND	NA	ND	0.3	ND	ND	ND	0.6	ND	0.9	0.8	ND	NA
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	ND	NA	ND	0.7	ND	0.5	0.4	0.7	ND	2.3	ND	ND	NA
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	0.7	ND	0.5	ND	0.4	ND	1.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
728.7	1.4	5.6	1.4	49.0	5.8	25.0	ND	4.9	93.1	ND	NA	3.8	ND	ND	2.3	2.3	ND	ND	ND
728.8	3.6	8.6	1.4	82.8	37.8	108.0	ND	ND	242.3	NA	NA	2.9	ND	NA	NA	ND	ND	NA	ND
728.9	ND	ND	ND	24.0	1.7	14.0	ND	ND	39.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.9	ND	2.9	ND	5.3	ND	2.4	ND	ND	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
735.0	ND	3.1	ND	13.1	ND	ND	ND	1.0	17.2	ND	ND	0.9	ND	NA	NA	ND	ND	ND	0.5
735.0	ND	ND	0.9	14.0	ND	ND	ND	1.4	16.3	ND	NA	0.5	ND	ND	ND	ND	ND	ND	0.2
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	ND	0.6	0.6	7.7	ND	ND	ND	ND	8.9	ND	NA	0.2	ND	ND	ND	ND	ND	ND	ND
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	ND	ND	0.8	11.6	ND	ND	ND	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
728.7	ND	ND	ND	ND	0.4	0.2	ND	NA	NA	25.0	NA	5.5	16.0	ND	ND	21.0	NA	140.0	NA
728.8	NA	NA	NA	ND	ND	0.2	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.9	NA	ND	10.0	3.4	NA	13.9	ND	38.0	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.3	NA	ND	ND	ND	ND	ND	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	32.7	ND	ND	32.7	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	11.0	ND	ND	11.0	NA	ND	NA
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150.0
740.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	320.0
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	540.0
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3.1	ND	NA	3.1	ND	ND	NA

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APPENDIX N (continued)

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.1	San Onofre 1	TCM	09/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/12/91	ND	ND	ND	0.8	ND	0.5	0.2	0.3	ND	1.8	ND	ND	ND
744.1	San Onofre 1	TCM	10/24/91	ND	NA	ND	0.5	ND	0.1	ND	0.6	ND	1.2	ND	0.2	NA
744.1	San Onofre 1	TCM	03/25/92	ND	NA	ND	1.0	ND	0.4	0.3	0.5	ND	2.2	ND	ND	NA
744.2	San Onofre 2	TCM	01/30/89	ND	ND	ND	0.5	ND	0.6	ND	0.2	ND	1.3	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	0.7	ND	0.5	ND	0.8	ND	2.0	ND	ND	ND
744.2	San Onofre 2	TCM	10/01/90	ND	ND	ND	0.3	ND	0.2	ND	ND	ND	0.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	ND	ND	ND	0.8	ND	0.5	0.2	0.5	ND	2.0	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	ND	NA	ND	0.9	ND	0.4	0.2	0.8	ND	2.3	ND	ND	NA
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.1	ND	0.9	ND	7.1	ND	ND	ND	ND	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9
744.1	ND	1.3	ND	13.7	ND	ND	ND	ND	15.1	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	1.3	14.0	ND	ND	ND	0.9	16.2	ND	NA	0.7	ND	ND	ND	ND	ND	ND	ND
744.1	1.0	1.2	1.6	22.0	ND	1.4	ND	2.0	29.2	ND	NA	1.2	ND	ND	ND	ND	ND	ND	0.3
744.2	1.1	1.6	ND	9.9	ND	ND	ND	ND	12.6	ND	ND	0.5	0.5	ND	ND	0.5	ND	ND	0.9
744.2	ND	0.6	0.9	11.0	ND	0.8	ND	ND	13.3	ND	ND	1.1	ND	ND	ND	ND	ND	ND	0.8
744.2	ND	1.0	ND	6.2	ND	ND	ND	ND	7.2	ND	ND	0.3	ND	ND	ND	ND	ND	ND	1.2
744.2	ND	1.2	ND	14.0	ND	ND	ND	1.0	16.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2
744.2	ND	2.1	1.8	23.0	ND	1.2	ND	ND	28.1	ND	NA	1.1	ND	ND	ND	ND	ND	ND	0.4
744.3	ND	ND	ND	7.1	ND	ND	ND	ND	7.1	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3.2	ND	ND	3.2	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	7.7	ND	ND	7.7	NA	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	7.6	ND	ND	7.6	NA	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.2	ND	NA	2.2	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	7.8	ND	NA	7.8	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	55.2	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3.6	ND	ND	3.6	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5.8	ND	ND	5.8	NA	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3.6	ND	NA	3.6	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	0.4	ND	ND	ND	0.2	ND	0.6	ND	0.5	ND
744.3	San Onofre 3	TCM	09/27/90	ND	ND	ND	0.3	ND	0.3	ND	0.4	ND	1.0	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	ND	ND	ND	0.9	ND	0.7	0.2	0.4	ND	2.2	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	NA	ND	1.0	ND	0.4	ND	0.8	ND	2.2	ND	ND	NA
744.4	San Onofre 4	TCM	01/30/89	ND	ND	ND	1.0	ND	0.6	0.3	0.4	ND	2.3	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	0.4	ND	0.4	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	0.6	ND	0.4	0.2	0.3	ND	1.5	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	ND	ND	ND	0.5	ND	0.4	ND	0.3	ND	1.2	ND	ND	ND
744.4	San Onofre 4	TCM	10/24/91	ND	NA	ND	0.6	ND	0.2	ND	0.3	ND	1.1	ND	ND	NA
744.4	San Onofre 4	TCM	03/25/92	ND	NA	ND	1.0	ND	0.8	0.2	0.9	ND	2.9	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.3	1.0	2.9	0.9	16.0	ND	ND	ND	ND	20.8	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.7
744.3	ND	1.3	1.3	6.3	ND	ND	ND	ND	9.0	ND	ND	ND	ND	ND	NA	ND	NA	ND	1.1
744.3	ND	1.4	ND	17.2	ND	1.2	ND	1.7	21.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8
744.3	ND	1.9	1.9	25.0	ND	0.8	ND	1.0	30.6	ND	NA	1.0	ND	ND	ND	ND	ND	ND	0.3
744.4	ND	1.4	0.9	17.7	ND	ND	ND	ND	20.0	ND	ND	0.6	ND	ND	ND	ND	ND	ND	1.1
744.4	ND	1.1	1.1	8.6	ND	1.3	ND	ND	12.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8
744.4	ND	1.4	1.6	14.0	ND	0.9	ND	1.5	19.4	ND	ND	2.0	0.2	ND	ND	0.2	ND	ND	0.5
744.4	ND	ND	ND	9.8	ND	ND	ND	ND	9.8	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	1.0	13.0	ND	ND	ND	ND	14.0	ND	NA	0.5	ND	ND	ND	ND	ND	ND	0.2
744.4	ND	1.4	1.8	24.0	ND	2.3	ND	ND	29.5	ND	NA	1.1	ND	ND	ND	ND	ND	ND	0.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3.6	ND	NA	3.6	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2.3	ND	ND	2.3	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	5.5	ND	ND	5.5	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5.7	ND	ND	5.7	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.4	ND	NA	4.4	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	7.0	ND	NA	7.0	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.7	ND	NA	2.7	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3.6	ND	ND	3.6	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	9.3	ND	ND	9.3	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.5	San Onofre 5	TCM	01/30/89	ND	ND	ND	0.8	ND	0.6	ND	ND	ND	1.4	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	ND	ND	0.2	ND	0.2	ND	0.4	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	0.2	ND	ND	ND	0.2	ND	0.4	ND	ND	ND
744.5	San Onofre 5	TCM	10/01/90	ND	ND	ND	0.3	ND	0.3	ND	ND	ND	0.6	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	ND	ND	ND	0.8	ND	0.4	0.2	0.3	ND	1.6	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	NA	ND	1.0	ND	0.5	0.3	1.0	ND	2.8	ND	ND	NA
744.6	San Onofre 6	TCM	01/30/89	ND	ND	ND	0.7	ND	0.5	ND	0.5	ND	1.7	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	0.4	ND	0.4	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	0.8	ND	0.2	ND	0.2	ND	1.2	ND	ND	ND
744.6	San Onofre 6	TCM	09/27/90	ND	ND	ND	0.5	ND	0.3	ND	0.4	ND	1.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.5	ND	ND	ND	14.0	ND	ND	ND	ND	14.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1
744.5	ND	0.8	0.9	12.0	0.8	1.3	ND	ND	15.8	ND	ND	1.0	ND	ND	ND	ND	ND	ND	0.7
744.5	ND	1.2	1.1	15.0	ND	ND	ND	ND	17.3	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
744.5	ND	1.5	ND	8.0	ND	ND	ND	ND	9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
744.5	ND	0.8	ND	11.4	ND	ND	ND	ND	12.3	ND	ND	0.2	ND	ND	ND	ND	ND	ND	0.2
744.5	ND	1.5	2.0	26.0	ND	2.3	ND	1.1	32.9	ND	NA	1.2	ND	ND	ND	ND	ND	ND	0.3
744.6	ND	1.1	0.9	8.5	ND	ND	ND	ND	10.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.0
744.6	ND	ND	1.8	12.0	ND	0.8	ND	ND	14.6	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND
744.6	ND	2.7	1.0	14.0	ND	ND	ND	ND	17.7	ND	ND	0.5	ND	ND	ND	ND	ND	ND	0.5
744.6	ND	1.1	1.4	6.7	ND	ND	ND	ND	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4.3	ND	NA	4.3	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	7.9	ND	NA	7.9	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.7	ND	NA	2.7	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2.5	ND	ND	2.5	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2.3	ND	ND	2.3	ND	ND	NA
744.5	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	11.0	ND	ND	11.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.1	ND	NA	2.1	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
744.6	ND	ND	0.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.3	ND	NA	2.3	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3.9	ND	ND	3.9	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.6	San Onofre 6	TCM	03/12/91	ND	ND	ND	0.7	ND	0.4	0.2	0.4	ND	1.8	ND	ND	ND
744.6	San Onofre 6	TCM	10/24/91	ND	NA	ND	0.8	ND	ND	ND	ND	ND	0.8	ND	ND	NA
744.6	San Onofre 6	TCM	03/25/92	ND	NA	ND	0.8	ND	0.3	0.2	0.5	ND	1.8	ND	ND	NA
748.0	Oceanside/Harbor	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	Oceanside/Harbor	TCM	12/21/91	ND	NA	ND	0.7	ND	ND	0.3	0.5	ND	1.5	ND	ND	NA
750.0	Oceanside	RCM	12/21/87	ND	ND	ND	ND	ND	ND	0.3	0.7	ND	1.0	ND	ND	ND
750.0	Oceanside	RCM	12/20/88	ND	ND	ND	0.6	ND	0.8	ND	0.7	ND	2.1	ND	ND	ND
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	1.2	ND	0.8	0.2	0.3	ND	2.5	ND	ND	ND
750.0	Oceanside	RCM	12/22/90	ND	ND	ND	0.5	ND	0.6	0.2	0.5	ND	1.7	ND	ND	ND
750.0	Oceanside	RCM	12/21/91	ND	NA	ND	0.3	ND	ND	ND	ND	ND	0.3	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.6	ND	ND	ND	16.5	ND	1.7	ND	1.3	19.5	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.3
744.6	ND	ND	1.0	13.0	ND	ND	ND	ND	14.0	ND	NA	1.1	ND	ND	ND	ND	ND	ND	ND
744.6	ND	1.2	1.7	20.0	ND	0.6	ND	ND	23.5	ND	NA	1.0	ND	ND	ND	ND	ND	ND	0.3
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	ND	1.1	1.1	14.0	ND	ND	ND	ND	16.2	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
750.0	ND	0.6	ND	7.0	ND	0.8	ND	ND	8.7	ND	ND	0.3	0.5	ND	9.0	9.5	ND	ND	0.9
750.0	ND	1.3	ND	6.7	ND	ND	ND	ND	7.9	ND	ND	0.8	0.9	ND	ND	0.9	ND	ND	0.9
750.0	ND	0.9	ND	3.8	ND	1.1	ND	ND	5.8	ND	ND	0.5	0.2	NA	NA	0.2	ND	ND	0.4
750.0	ND	2.1	ND	5.9	ND	ND	ND	ND	8.0	ND	ND	ND	0.2	ND	ND	0.2	ND	ND	0.2
750.0	ND	ND	ND	4.5	ND	ND	ND	ND	4.5	ND	NA	0.2	0.2	ND	ND	0.2	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	4.1	ND	ND	4.1	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3.3	ND	ND	3.3	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6.4	ND	ND	6.4	NA	ND	NA
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230.0
748.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	43.0	ND	ND	43.0	NA	ND	170.0
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	9.0	ND	NA	9.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	7.4	ND	NA	7.4	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.3	ND	ND	10.3	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2.5	ND	ND	2.5	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
750.0	Oceanside	RCM	09/09/92	ND	NA	ND	0.5	ND	0.5	0.2	0.3	ND	1.5	ND	ND	NA
751.0	Oceanside/Transplant	SED	12/22/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	Inner Agua Hedionda	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	La Jolla	RCM	12/22/90	ND	ND	ND	0.3	ND	0.3	ND	0.2	ND	0.7	ND	ND	ND
832.0	La Jolla	RCM	11/26/91	ND	NA	ND	0.2	ND	0.3	ND	ND	ND	0.5	ND	ND	NA
832.0	La Jolla	RCM	01/05/93	ND	NA	ND	0.3	ND	0.3	ND	0.2	ND	0.8	ND	ND	NA
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	ND	ND	ND	0.3	ND	0.3	0.1	0.2	ND	0.9	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	1.7	ND	1.0	0.9	0.9	0.3	4.8	ND	ND	ND
866.0	Fisherman Channel	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
866.0	Fisherman Channel	TCM	12/22/90	ND	ND	ND	0.5	ND	0.5	0.4	0.4	ND	1.8	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
750.0	ND	0.5	0.6	10.0	ND	0.9	ND	ND	12.0	ND	NA	0.4	0.2	ND	ND	0.2	ND	ND	0.3
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	ND	ND	ND	1.1	ND	ND	ND	ND	1.1	ND	ND	0.2	ND	NA	NA	ND	ND	ND	0.4
832.0	ND	ND	ND	1.5	ND	ND	ND	ND	1.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	0.3
832.0	ND	ND	ND	2.1	ND	ND	ND	ND	2.1	ND	NA	0.4	ND	ND	ND	ND	ND	ND	ND
838.2	ND	ND	ND	2.1	ND	ND	ND	ND	2.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
865.0	ND	0.6	ND	0.9	ND	ND	ND	ND	1.5	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
866.0	ND	0.6	ND	1.9	ND	ND	ND	ND	2.4	ND	ND	0.3	ND	NA	NA	ND	ND	ND	0.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
750.0	ND	ND	0.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	8.2	ND	ND	8.2	NA	ND	NA
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370.0
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.2
832.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4.0	ND	ND	4.0	NA	ND	NA
838.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2.4	ND	NA	2.4	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	9.9	ND	ND	9.9	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
868.5	Mission Bay/Landfill 1	SED	09/01/89	ND	ND	ND	ND	ND	0.2	ND	ND	ND	0.2	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	0.9	ND	0.7	0.5	0.2	ND	2.3	ND	ND	ND
868.5	Mission Bay/Landfill 1	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/22/90	ND	ND	ND	0.8	ND	0.7	0.7	0.6	ND	2.9	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/91	ND	NA	ND	1.4	ND	0.3	0.6	0.8	ND	3.1	ND	ND	NA
868.6	Mission Bay/Landfill 2	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.6	Mission Bay/Landfill 2	TCM	12/21/91	ND	NA	ND	1.3	ND	0.9	0.6	0.7	ND	3.5	ND	ND	NA
881.3	Sweetwater River/Mouth 1	SED	09/07/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	ND	ND	ND	1.0	ND	0.7	0.6	0.7	ND	3.0	ND	ND	ND
881.3	Sweetwater River/Mouth 1	SED	08/31/91	ND	NA	ND	0.7	ND	0.3	ND	ND	ND	1.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	0.6	ND	2.5	ND	ND	ND	ND	3.1	ND	ND	0.7	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	ND	ND	ND	2.2	ND	ND	2.2	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
868.5	ND	1.0	ND	3.4	ND	ND	ND	ND	4.4	ND	ND	0.6	ND	NA	NA	ND	ND	ND	ND
868.5	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	NA	1.1	ND	ND	ND	ND	ND	ND	ND
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
868.6	ND	ND	1.4	8.0	ND	ND	ND	0.6	10.0	ND	NA	1.1	ND	ND	ND	ND	ND	ND	ND
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
881.3	ND	2.3	ND	4.1	ND	0.7	ND	ND	7.1	ND	ND	0.1	ND	NA	NA	ND	ND	ND	ND
881.3	ND	0.4	ND	1.6	ND	0.8	ND	ND	2.8	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	97.0	11.0	14.0	NA	122.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13.0	ND	NA	13.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	18.0	ND	ND	18.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	ND	ND	40.0	NA	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	39.0	ND	ND	39.0	NA	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	34.0	ND	ND	34.0	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	21.0	19.0	ND	40.0	NA	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	ND	NA	ND	1.3	ND	0.5	0.7	0.9	ND	3.4	ND	ND	NA
881.4	Sweetwater River/Mouth 2	SED	08/31/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	ND	ND	ND	1.3	ND	1.4	0.4	1.0	ND	4.1	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	ND	ND	ND	1.9	ND	1.1	0.4	1.7	ND	5.1	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	ND	NA	ND	1.3	ND	1.2	0.9	1.0	0.4	4.8	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	2.2	ND	1.3	1.0	1.4	ND	5.9	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	2.4	ND	1.0	1.0	0.7	0.3	5.4	ND	ND	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	ND	ND	0.2	3.3	ND	1.9	1.1	3.6	ND	10.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
881.3	ND	ND	1.0	5.5	ND	ND	ND	ND	6.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
881.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	ND	0.8	1.9	2.3	ND	2.8	ND	ND	7.7	ND	ND	0.6	ND	NA	NA	ND	ND	ND	ND
882.7	ND	2.0	2.5	5.0	ND	0.8	ND	ND	10.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
882.7	ND	0.6	ND	1.8	ND	0.5	ND	0.6	3.5	ND	NA	0.8	ND	ND	ND	ND	ND	ND	ND
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	ND	0.9	1.7	5.0	ND	1.8	ND	ND	9.4	ND	NA	1.0	ND	ND	ND	ND	ND	ND	ND
882.8	ND	1.0	2.8	5.8	ND	1.5	ND	ND	11.1	ND	NA	0.9	ND	ND	ND	ND	ND	ND	0.1
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.1	ND	4.4	1.7	5.4	ND	1.1	ND	ND	12.5	ND	ND	0.6	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	ND	ND	40.0	NA	ND	NA
881.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	88.8	ND	NA	88.8	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	201.0	ND	NA	201.0	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	59.0	ND	ND	59.0	NA	ND	NA
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	146.3	ND	NA	146.3	NA	NA	NA
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	30.0	ND	140.0	NA	ND	150.0
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	15.0	160.0	28.0	ND	200.0	NA	ND	190.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	138.6	ND	NA	138.6	NA	NA	NA
883.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	113.2	ND	NA	113.2	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	ND	NA	ND	1.2	ND	0.8	0.9	0.9	ND	3.8	ND	ND	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	ND	ND	ND	0.6	ND	0.7	ND	ND	ND	1.3	ND	ND	ND
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	ND	NA	ND	0.7	ND	0.8	ND	0.5	ND	2.0	ND	ND	NA
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	ND	NA	ND	1.0	ND	0.7	0.9	0.7	0.3	3.6	ND	ND	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	ND	ND	ND	ND	ND	0.9	0.6	1.4	ND	2.9	ND	ND	ND
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	San Diego Bay/Evans Street	SED	09/07/90	ND	ND	ND	1.0	ND	1.3	0.5	1.2	ND	4.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
883.4	0.3	0.5	ND	2.2	ND	ND	ND	0.5	3.5	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
883.6	ND	0.9	0.7	1.8	ND	ND	ND	ND	3.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
883.7	ND	0.4	ND	1.9	ND	ND	ND	ND	2.3	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
885.2	ND	2.8	0.8	3.3	0.9	1.9	ND	ND	9.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	ND	2.1	ND	4.2	ND	ND	ND	ND	6.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
883.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	88.0	ND	ND	88.0	NA	ND	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	124.8	ND	NA	124.8	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	222.3	ND	NA	222.3	NA	NA	NA
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	23.3	74.4	79.1	97.6	ND	ND	NA
883.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	44.0	52.0	ND	96.0	NA	ND	NA
883.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	64.0	2.2	ND	66.0	NA	ND	NA
885.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	100.6	ND	NA	100.6	ND	ND	NA
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	123.2	ND	NA	123.2	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	186.2	ND	NA	186.2	NA	NA	NA
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	63.2	702.0	263.3	3861.0	1028.5	ND	ND	NA

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
887.0	San Diego Bay/Evans Street	TCM	12/22/90	ND	ND	ND	1.3	ND	1.0	0.6	0.9	ND	3.7	ND	ND	ND
887.0	San Diego Bay/Evans Street	TCM	12/21/91	ND	NA	ND	1.6	ND	0.9	0.7	1.3	0.2	4.7	ND	ND	NA
887.0	San Diego Bay/Evans Street	TCM	01/05/93	ND	NA	ND	1.2	ND	1.2	1.0	1.1	0.3	4.8	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	ND	NA	ND	3.4	ND	2.5	1.8	3.1	0.6	11.4	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	ND	NA	ND	1.2	ND	0.8	0.8	0.7	0.3	3.8	ND	ND	NA
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	ND	NA	ND	2.5	ND	2.3	1.6	1.9	0.3	8.6	0.7	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	ND	ND	1.3	4.2	ND	3.6	1.4	3.3	ND	13.8	4.3	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	1.8	ND	4.6	10.5	5.6	16.5	2.6	9.0	ND	48.8	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
887.0	ND	1.4	2.8	ND	ND	0.5	ND	ND	4.7	ND	ND	0.6	ND	NA	NA	ND	ND	ND	ND
887.0	ND	1.4	1.0	5.1	ND	ND	ND	ND	7.5	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
887.0	0.5	0.6	ND	2.3	ND	0.5	ND	0.8	4.7	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
888.0	ND	0.8	1.2	6.1	ND	ND	ND	ND	8.1	ND	NA	0.6	ND	ND	ND	ND	ND	ND	ND
888.0	ND	0.6	ND	1.9	ND	ND	ND	ND	2.5	ND	NA	1.3	ND	ND	ND	ND	ND	ND	ND
893.0	ND	0.5	ND	3.5	ND	1.5	ND	1.1	6.6	ND	NA	1.1	ND	ND	ND	ND	ND	ND	ND
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	6.3	21.0	9.9	7.5	ND	ND	5.9	3.2	53.8	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
894.0	60.6	179.5	194.5	38.1	ND	3.5	9.7	35.9	521.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	43.3	ND	ND	43.3	ND	ND	NA
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	100.0	ND	ND	100.0	NA	ND	100.0
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	130.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	180.0	ND	ND	180.0	NA	ND	180.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	54.0	ND	ND	54.0	NA	ND	71.0
893.0	ND	ND	0.2	ND	0.3	ND	ND	NA	NA	ND	NA	21.0	130.0	ND	ND	150.0	NA	ND	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	975.0	572.0	ND	NA	1547.0	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1302.4	1435.6	ND	NA	2738.0	NA	NA	NA
894.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	530.0	690.0	7.0	NA	1220.0	ND	ND	135.0
894.0	ND	ND	ND	ND	ND	5.5	ND	ND	ND	11.2	NA	31416.0	ND	11220.0	523.6	42636.6	ND	ND	74.0

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ND = Not Detected

APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	ND	ND	ND	1.8	ND	1.3	0.5	1.3	ND	4.9	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	ND	NA	2.4	22.0	3.9	24.0	3.7	12.0	ND	68.0	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	1.9	NA	ND	1.5	ND	1.4	0.6	1.3	ND	4.8	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	0.2	NA	ND	2.3	0.1	2.1	1.1	1.0	0.3	6.9	ND	ND	NA
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	ND	NA	ND	1.0	ND	0.9	0.8	0.8	ND	3.5	0.4	ND	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
894.0	2.4	6.5	ND	3.6	ND	0.5	ND	ND	13.0	ND	ND	0.5	ND	NA	NA	ND	ND	ND	ND
894.0	69.0	310.0	260.0	430.0	1.4	39.0	15.0	31.0	1155.4	ND	NA	0.9	ND	ND	ND	ND	ND	ND	ND
894.0	4.4	9.6	7.1	12.0	ND	1.7	ND	1.7	36.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
894.0	2.8	6.8	ND	3.9	0.6	3.3	ND	1.1	18.5	3.3	NA	1.2	ND	ND	ND	ND	ND	ND	ND
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	ND	0.5	ND	1.9	ND	1.0	ND	ND	3.4	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	NA	423.0	432.4	ND	ND	855.4	ND	ND	NA
894.0	ND	ND	ND	ND	ND	3.5	ND	NA	NA	8.0	NA	59000.0	ND	14000.0	ND	73000.0	NA	ND	140.0
894.0	ND	ND	ND	1.2	ND	ND	ND	NA	NA	ND	NA	320.0	480.0	ND	ND	800.0	NA	ND	47.0
894.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	440.0	330.0	ND	ND	770.0	NA	ND	0.1
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48.3	407.7	ND	NA	456.0	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	191.4	765.6	ND	NA	957.0	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	581.1	1370.8	ND	NA	1951.9	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	191.8	ND	NA	191.8	NA	NA	NA
895.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	9.2	55.0	ND	ND	64.0	NA	ND	NA
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	374.0	ND	NA	374.0	NA	NA	1643.5

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APPENDIX N (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	ND	NA	ND	2.6	ND	2.9	1.7	2.1	0.6	9.9	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	ND	NA	ND	1.9	ND	1.0	0.7	1.4	0.2	5.2	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	ND	NA	ND	0.7	ND	0.5	0.4	0.3	0.2	2.1	ND	ND	NA
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	ND	NA	ND	2.8	ND	2.1	1.6	1.7	0.6	8.8	0.7	ND	NA
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	San Diego Bay/Degausing Station	SED	09/07/90	ND	ND	ND	0.8	ND	0.9	ND	0.7	ND	2.4	ND	ND	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	ND	NA	ND	1.3	ND	0.4	0.2	0.4	ND	2.3	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	2.3	3.6	0.5	12.0	1.0	3.6	ND	1.9	24.9	ND	NA	1.4	ND	ND	ND	ND	ND	ND	ND
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	1.0	1.8	1.4	8.0	ND	ND	ND	ND	12.2	ND	NA	1.5	ND	ND	ND	ND	ND	ND	0.3
899.0	ND	0.8	ND	3.1	ND	ND	ND	ND	3.9	ND	NA	0.8	ND	ND	ND	ND	ND	ND	ND
899.2	0.6	1.0	0.8	5.0	ND	1.1	ND	1.5	10.0	ND	NA	1.8	ND	ND	ND	ND	ND	ND	ND
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
901.0	ND	ND	0.9	6.8	ND	ND	ND	ND	7.7	ND	NA	0.9	ND	ND	ND	ND	ND	ND	0.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Methoxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	464.4	ND	NA	464.4	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1006.0
898.0	ND	ND	ND	0.2	ND	ND	ND	NA	NA	ND	NA	ND	280.0	ND	ND	280.0	NA	ND	1100.0
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	209.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	83.0	16.0	ND	99.0	NA	ND	85.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	46.0	ND	ND	46.0	NA	ND	120.0
899.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	160.0	ND	ND	160.0	NA	ND	760.0
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6052.2
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
901.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	52.0	15.0	ND	67.0	NA	ND	50.0

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APPENDIX O

Summary of 1987-93 Data

Organic Chemicals in Mussels, Clams, and Sediment

(ppb, dry weight)

(See Appendix DD for corrected phenol data from 1984-85 and 1986-87)

APPENDIX O

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
1.0	Crescent City Harbor	SED	03/12/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	ND	ND	6.7	ND	7.3	ND	8.8	ND	22.8	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	10.2	ND	5.5	1.6	4.7	ND	21.9	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	ND	ND	ND	2.0	ND	ND	ND	ND	ND	2.0	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	03/12/92	ND	NA	ND	14.0	ND	11.0	ND	10.0	ND	35.0	ND	ND	NA
2.1	Crescent City Harbor Jetty	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	Crescent City/Control	RCM	02/12/88	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
3.0	Crescent City/Control	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	1.8	ND	ND	ND	ND	ND	1.8	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	3.0	ND	12.0	ND	25.0	ND	ND	43.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.0	2.6	NA	NA	2.6	ND	ND	ND
2.0	ND	7.8	ND	22.7	ND	8.6	ND	ND	39.1	ND	ND	5.5	ND	NA	NA	ND	ND	ND	3.9
2.0	ND	ND	ND	9.1	ND	ND	ND	ND	9.1	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND
2.0	ND	ND	ND	59.0	ND	8.2	ND	ND	67.2	ND	NA	6.6	ND	ND	ND	ND	ND	ND	2.0
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	2.7
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND	NA	NA	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND	NA	NA	ND	ND	ND	4.1

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	44.0
2.0	ND	ND	5.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	25.0	ND	NA	25.0	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
2.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	3.5	ND	1.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
3.0	Crescent City/Control	RCM	02/27/90	ND	ND	ND	2.2	ND	ND	ND	ND	ND	2.2	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
10.0	Trinidad Head	RCM	09/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/20/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	ND	ND	ND	1.9	ND	ND	ND	ND	ND	1.9	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	ND	NA	ND	4.3	ND	3.0	ND	1.0	ND	8.3	ND	ND	NA
10.0	Trinidad Head	RCM	10/22/92	ND	NA	ND	2.4	ND	ND	ND	ND	ND	2.4	ND	ND	NA
95.0	McDaniel Slough	SED	09/18/90	ND	ND	ND	1.0	ND	1.5	ND	ND	ND	2.5	ND	ND	ND
95.0	McDaniel Slough	SED	10/08/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
3.0	ND	ND	ND	10.0	ND	ND	ND	ND	10.0	ND	ND	4.7	ND	NA	NA	ND	ND	ND	4.0
3.0	ND	ND	ND	4.4	ND	ND	ND	ND	4.4	ND	NA	4.5	ND	ND	ND	ND	ND	ND	2.5
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	NA	NA	ND	ND	ND	7.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	NA	NA	ND	ND	ND	7.1
10.0	ND	ND	ND	8.1	ND	ND	ND	ND	8.1	ND	ND	1.6	ND	ND	ND	ND	ND	ND	9.7
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2.7	ND	ND	ND	ND	ND	ND	6.4
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2.4	ND	ND	ND	ND	ND	ND	5.0
95.0	ND	4.3	ND	ND	ND	5.8	ND	ND	10.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
3.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	20.5
10.0	3.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	5.8	ND	1.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
95.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.0	54.0	270.0	73.0	ND	ND	NA
95.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
99.0	Mad River/Oyster Docks	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/12/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/27/91	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
100.0	Mad River Slough	SED	10/08/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/25/92	ND	NA	ND	2.8	ND	ND	ND	ND	ND	2.8	ND	ND	NA
100.5	Arcata Dock	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	NA	NA	ND	ND	ND	2.6
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	NA	NA	ND	ND	ND	ND
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	2.8	ND	ND	ND	ND	2.8	ND	NA	5.3	ND	ND	ND	ND	ND	ND	1.8
100.5	ND	ND	ND	ND	ND	5.7	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.0	ND	ND	15.0	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	NA
100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	10.0	ND	ND	10.0	NA	ND	NA
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
100.5	Arcata Dock	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	Mad River/Oyster Bed	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	Bird Island	SED	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/27/91	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/27/91	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	ND	NA	ND	2.3	ND	1.5	ND	1.1	ND	4.9	ND	ND	NA
102.5	Woodley Island	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	NA	NA	ND	ND	ND	1.7
102.0	ND	ND	ND	3.5	ND	ND	ND	ND	3.5	ND	ND	3.3	ND	NA	NA	ND	ND	ND	2.9
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.7
102.0	ND	ND	ND	8.2	ND	ND	ND	ND	8.2	ND	NA	4.7	ND	ND	ND	ND	ND	ND	1.6
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	4.1	ND	ND	ND	ND	4.1	ND	ND	2.2	ND	NA	NA	ND	ND	ND	3.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
100.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	26.0	ND	NA	26.0	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	34.0	ND	ND	34.0	NA	ND	NA
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	705.4
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	26.0	ND	NA	26.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
103.0	Eureka Channel	TCM	02/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/25/92	ND	NA	ND	1.4	ND	ND	ND	ND	ND	1.4	ND	ND	NA
103.0	Eureka Channel	TCM	02/17/93	ND	NA	ND	1.1	ND	1.0	ND	ND	ND	2.1	ND	ND	NA
103.2	Louisiana Pacific Dock	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	E Street	TCM	02/27/91	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
103.3	E Street	TCM	02/25/92	ND	NA	ND	1.9	ND	1.5	ND	ND	ND	3.4	ND	ND	NA
103.7	Eda Dock	TCM	02/27/91	ND	ND	ND	1.1	ND	1.0	ND	ND	ND	2.1	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
103.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.6
103.0	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	NA	3.1	ND	ND	ND	ND	ND	ND	1.5
103.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	NA	2.7	ND	ND	ND	ND	ND	ND	ND
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	3.4	ND	ND	ND	ND	3.4	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.4
103.3	ND	ND	ND	10.0	ND	ND	ND	ND	10.0	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.1
103.7	ND	ND	ND	5.5	ND	ND	ND	ND	5.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	2.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.3	ND	NA	NA	ND	ND	NA	ND
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	NA	NA	ND	ND	ND	2.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
103.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	27.0	ND	ND	27.0	NA	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	53.0	ND	ND	53.0	ND	ND	NA
103.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	NA	ND	NA
103.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
104.0	Eureka STP/Outfall	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	ND	NA	ND	1.2	ND	1.1	ND	ND	ND	2.3	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/12/88	ND	ND	ND	1.0	ND	ND	ND	ND	ND	1.0	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	ND	NA	ND	1.7	ND	ND	ND	ND	ND	1.7	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/17/93	ND	NA	ND	1.1	ND	ND	ND	ND	ND	1.1	ND	ND	NA
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.6
104.0	ND	ND	ND	5.2	ND	ND	ND	ND	5.2	ND	NA	4.2	ND	ND	ND	ND	ND	ND	2.0
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	3.9
104.5	ND	ND	ND	4.0	ND	ND	ND	ND	4.0	ND	ND	1.1	ND	NA	NA	ND	ND	ND	3.2
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	NA	NA	ND	ND	ND	2.3
104.5	ND	ND	ND	3.0	ND	ND	ND	ND	3.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	2.3
104.5	ND	ND	ND	5.2	ND	ND	ND	ND	5.2	ND	NA	4.2	ND	ND	ND	ND	ND	ND	2.0
104.5	ND	ND	ND	4.8	ND	ND	ND	ND	4.8	ND	NA	3.6	ND	ND	ND	ND	ND	ND	1.3
106.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
106.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	3.4

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	12.0	ND	ND	12.0	NA	ND	NA
104.5	ND	ND	1.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.5	ND	ND	1.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
104.5	ND	ND	1.4	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
106.0	Fields Landing	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/20/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	Noyo Harbor	SED	03/02/93	ND	NA	ND	ND	0.8	ND	ND	ND	ND	0.8	ND	ND	NA
155.1	Lake Pillsbury 1	TFC	03/31/93	ND	NA	ND	3.4	ND	1.7	2.3	3.9	1.7	13.0	ND	ND	NA
155.3	Lake Pillsbury 2	TFC	03/31/93	ND	NA	ND	3.7	ND	2.2	2.8	1.6	3.9	14.2	ND	ND	NA
159.0	Russian River West Fork	TFC	03/06/92	ND	NA	ND	1.9	4.7	2.8	3.1	3.4	1.4	17.3	5.7	ND	NA
159.0	Russian River West Fork	TFC	03/30/93	ND	NA	ND	4.0	ND	2.6	2.9	1.9	ND	11.4	ND	ND	NA
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	1.8	ND	ND	ND	ND	ND	1.8	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	11.8	ND	12.7	19.1	13.6	ND	57.3	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	ND	NA	ND	8.4	ND	5.5	12.0	17.0	ND	42.9	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
150.4	ND	1.6	ND	1.4	ND	ND	ND	ND	3.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
155.1	3.4	11.0	6.0	84.0	ND	ND	ND	ND	104.4	ND	NA	ND	ND	4.4	ND	4.4	ND	ND	ND
155.3	ND	14.0	6.8	95.0	ND	ND	ND	5.9	121.7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
159.0	ND	4.1	3.7	120.0	ND	5.2	ND	ND	133.0	ND	NA	ND	1.7	5.2	12.0	18.9	ND	ND	ND
159.0	ND	12.0	6.4	92.0	ND	5.3	ND	6.0	121.7	ND	NA	ND	1.2	ND	ND	1.2	ND	ND	ND
160.0	ND	15.2	ND	17.6	ND	23.6	ND	ND	56.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	10.9	ND	109.1	ND	42.7	ND	ND	162.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	110.0	8.1	18.0	ND	ND	136.1	ND	NA	ND	1.7	5.3	14.0	21.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
106.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1300.0
150.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	125.4
150.4	ND	ND	ND	ND	ND	1.1	ND	NA	NA	ND	NA	ND	11.0	ND	ND	11.0	NA	ND	NA
155.1	ND	ND	4.7	ND	ND	0.5	ND	NA	NA	ND	NA	ND	100.0	ND	ND	100.0	NA	ND	NA
155.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	95.0	ND	ND	95.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	92.0	280.0	ND	372.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	89.0	ND	ND	89.0	NA	ND	NA
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	127.3	28.2	NA	155.5	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	66.0	120.0	ND	186.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
165.0	Russian River Below Ukiah	TFC	03/30/93	1.3	NA	1.0	13.0	2.0	14.0	3.6	7.5	ND	41.1	63.0	ND	NA
175.0	Big Sulfur Creek	TFC	03/30/93	ND	NA	ND	4.1	ND	4.6	3.2	4.4	ND	16.3	ND	ND	NA
176.0	Lake Sonoma	TFC	03/30/93	ND	NA	ND	3.2	ND	2.6	2.9	1.4	1.4	11.5	ND	3.3	NA
190.0	Estero Americano	RCM	12/05/88	ND	ND	ND	1.2	ND	1.0	ND	ND	ND	2.2	ND	ND	ND
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	3.6	ND	1.8	ND	1.8	1.2	8.3	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	NA	ND	2.3	ND	1.6	ND	1.9	2.0	7.8	ND	ND	NA
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	2.0	ND	ND	ND	ND	ND	2.0	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	1.3	ND	1.3	ND	ND	ND	ND	ND	1.3	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
165.0	ND	18.0	7.7	140.0	8.6	36.0	ND	11.0	221.3	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	12.0	7.0	92.0	ND	ND	ND	7.0	118.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
176.0	ND	10.0	5.7	82.0	ND	ND	ND	ND	97.7	ND	NA	1.4	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.7	1.6	NA	NA	1.6	ND	ND	6.2
190.0	ND	ND	ND	6.5	ND	ND	ND	ND	6.5	ND	ND	7.7	ND	NA	NA	ND	ND	ND	3.6
190.0	ND	ND	ND	3.1	ND	ND	ND	ND	3.1	ND	ND	5.0	ND	ND	ND	ND	ND	ND	4.8
190.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	NA	8.6	ND	ND	ND	ND	ND	ND	3.5
202.0	ND	ND	ND	3.3	ND	ND	ND	ND	3.3	ND	ND	6.9	ND	ND	ND	ND	ND	ND	3.6
202.0	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	ND	10.0	ND	ND	ND	ND	ND	ND	6.8
202.0	ND	ND	ND	11.5	ND	ND	ND	ND	11.5	ND	ND	3.8	ND	ND	ND	ND	ND	ND	4.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	59.0	110.0	ND	ND	170.0	NA	ND	NA
175.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
176.0	ND	ND	4.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	93.0	ND	ND	93.0	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	3.6	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
190.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	13.9
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.2	ND	ND	ND	NA	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	1.9	ND	ND	ND	NA	ND	ND	ND	111.2

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	3.2	ND	ND	ND	ND	ND	3.2	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	ND	ND	ND	4.6	ND	1.7	ND	ND	ND	6.3	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	ND	NA	ND	2.1	ND	1.3	ND	ND	ND	3.4	ND	ND	NA
202.0	Bodega Head	RCM	09/01/92	ND	NA	ND	ND	ND	1.1	ND	ND	ND	1.1	ND	ND	NA
203.0	Tomales Bay	RBM	01/29/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	12/30/91	ND	NA	ND	1.6	ND	ND	ND	1.4	ND	3.0	ND	ND	NA
204.0	Estero De San Antonio	TCM	02/26/93	ND	NA	ND	3.8	ND	1.8	ND	1.1	ND	6.7	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	SED	12/03/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	ND	ND	ND	ND	ND	ND	ND	1.0	ND	1.0	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
202.0	ND	ND	ND	12.9	ND	ND	ND	ND	12.9	ND	ND	9.7	ND	ND	ND	ND	ND	ND	4.8
202.0	ND	ND	ND	12.0	ND	ND	ND	ND	12.0	ND	ND	13.0	ND	ND	ND	ND	ND	ND	3.3
202.0	ND	ND	ND	7.1	ND	ND	ND	ND	7.1	ND	NA	9.0	ND	ND	ND	ND	ND	ND	12.0
202.0	ND	ND	ND	5.3	ND	ND	ND	ND	5.3	ND	NA	13.0	ND	ND	ND	ND	ND	ND	3.5
203.0	ND	ND	ND	3.4	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	NA	1.1	ND	ND	ND	ND	ND	ND	2.0
204.0	ND	ND	ND	5.5	ND	ND	ND	ND	5.5	ND	NA	8.7	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.0
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	ND	1.1	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	2.0	1.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
203.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
203.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13.0	ND	ND	13.0	NA	ND	NA
204.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	26.0	ND	ND	26.0	NA	ND	NA
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	150.0	ND	NA	150.0	ND	ND	610.0
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	62.0	ND	ND	62.0	ND	ND	830.0

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
205.0	Bodega Harbor/Spud Point Marina	SED	01/29/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	Bodega Harbor/Spud Point Marina	SED	11/20/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	ND	NA	ND	ND	ND	1.9	ND	1.9	ND	3.8	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	ND	NA	ND	1.9	ND	1.1	ND	1.2	ND	4.2	ND	ND	NA
207.0	Point Reyes	RCM	01/29/91	ND	ND	ND	2.7	ND	1.7	ND	ND	ND	4.4	ND	ND	ND
280.0	Russian River/S Goat Rock	TCM	02/25/93	ND	NA	ND	6.2	ND	3.7	ND	2.9	2.5	15.3	ND	ND	NA
290.0	Russian River/near Moscow	TFC	03/30/93	ND	NA	ND	5.7	ND	4.6	3.8	4.4	1.0	19.5	18.0	5.5	NA
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	NA	ND	20.0	3.1	11.0	7.5	29.0	1.9	72.5	6.9	ND	NA
294.5	Green Valley Creek 1	TFC	03/30/93	ND	NA	ND	4.3	ND	4.3	3.7	3.5	ND	15.8	31.0	ND	NA
294.6	Green Valley Creek 2	TFC	03/30/93	ND	NA	ND	8.8	ND	5.7	5.1	5.4	5.3	30.3	290.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
205.0	ND	ND	ND	1.4	ND	ND	ND	ND	1.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	ND	3.2	18.0	ND	ND	ND	ND	21.2	ND	NA	7.2	ND	ND	ND	ND	ND	ND	1.4
205.0	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	NA	4.0	ND	ND	ND	ND	ND	ND	ND
207.0	ND	ND	ND	6.5	ND	ND	ND	ND	6.5	ND	ND	12.0	ND	NA	NA	ND	ND	ND	2.3
280.0	ND	4.7	ND	33.0	ND	10.0	ND	ND	47.7	ND	NA	11.0	ND	ND	ND	ND	ND	ND	2.4
290.0	5.3	13.0	7.1	100.0	ND	5.7	ND	7.1	138.2	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.2	19.0	24.0	ND	99.0	10.0	100.0	ND	ND	252.0	ND	NA	3.5	ND	ND	15.0	15.0	ND	ND	ND
294.5	ND	13.0	8.9	120.0	ND	ND	ND	7.7	149.6	31.0	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.6	100.0	81.0	16.0	320.0	25.0	130.0	ND	16.0	688.0	ND	NA	8.1	ND	ND	3.1	3.1	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
205.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
205.0	ND	ND	ND	ND	ND	ND	4.4	NA	NA	ND	NA	ND	18.0	ND	ND	18.0	NA	ND	100.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	4.8	NA	ND	130.0	ND	ND	130.0	NA	ND	130.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	300.0
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
280.0	1.4	ND	ND	ND	2.5	ND	ND	NA	NA	ND	NA	ND	38.0	ND	ND	38.0	NA	ND	NA
290.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	18.0	NA	ND	100.0	ND	ND	100.0	NA	ND	NA
294.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	98.0	NA	ND	99.0	ND	ND	99.0	NA	ND	NA
294.5	ND	ND	3.7	ND	1.9	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA
294.6	ND	1.3	5.3	ND	ND	0.8	ND	NA	NA	16.0	NA	38.0	110.0	ND	ND	150.0	NA	ND	NA

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State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	ND	3.1	88.0	ND	52.0	39.0	120.0	ND	302.1	50.0	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	3.2	58.9	5.3	57.9	37.9	37.9	3.2	204.2	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	ND	ND	3.8	46.0	6.0	34.0	24.0	48.0	2.0	163.8	5.3	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	ND	ND	3.0	27.0	ND	13.0	7.5	23.0	ND	73.5	19.0	ND	70.0
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	4.1	18.0	4.1	18.0	13.9	15.6	ND	73.8	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	ND	ND	1.1	12.0	1.0	9.1	6.9	11.0	ND	41.1	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	ND	ND	2.1	23.0	ND	21.0	ND	34.0	ND	80.1	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	3.4	ND	3.4	4.5	9.1	ND	20.5	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	NA	ND	2.5	ND	2.0	1.9	5.5	ND	11.9	4.4	ND	NA
295.4	Russian River/Wholer Bridge	TFC	12/05/88	ND	ND	ND	3.5	ND	2.0	ND	5.2	ND	10.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.1	ND	ND	ND	52.0	ND	ND	ND	ND	52.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.1	ND	36.8	ND	64.2	ND	72.6	ND	ND	173.7	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND
295.1	6.5	17.0	ND	35.0	ND	12.0	ND	ND	70.5	ND	ND	3.0	ND	NA	NA	ND	ND	ND	ND
295.2	ND	29.0	ND	20.0	ND	ND	ND	ND	49.0	ND	ND	1.2	ND	NA	NA	ND	ND	ND	ND
295.2	ND	7.4	ND	61.5	ND	9.8	ND	ND	78.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	7.5	ND	32.0	ND	7.1	ND	ND	46.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	ND	ND	62.0	ND	16.0	ND	ND	78.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	6.8	ND	84.1	ND	23.9	ND	ND	114.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	NA	1.9	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	44.0	ND	ND	ND	ND	44.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	170.0	ND	NA	170.0	ND	ND	NA
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	115.8	ND	NA	115.8	ND	ND	NA
295.1	ND	ND	ND	1.5	1.7	2.1	ND	ND	ND	ND	NA	ND	120.0	ND	ND	120.0	ND	ND	NA
295.2	ND	6.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	50.0	ND	NA	50.0	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	76.2	ND	NA	76.2	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.0	NA	ND	65.0	ND	ND	65.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.2	ND	NA	93.2	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	13.0	NA	ND	37.0	140.0	ND	177.0	NA	ND	NA
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	2.7	28.6	2.7	28.6	21.4	25.9	1.8	111.6	8.0	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	ND	ND	ND	35.0	ND	22.0	14.0	26.0	ND	97.0	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	04/07/92	ND	NA	2.7	48.0	4.2	52.0	14.0	66.0	6.8	193.7	37.0	29.0	NA
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	ND	ND	ND	3.5	ND	4.5	ND	5.0	ND	13.0	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	13.8	ND	6.9	16.2	15.4	ND	52.3	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	NA	ND	13.0	ND	4.5	5.0	12.0	ND	34.5	ND	7.9	NA
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	3.2	ND	4.8	ND	8.1	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	ND	ND	23.0	ND	19.0	9.0	12.0	ND	63.0	ND	8.6	ND
298.0	Brannan Island	RFC	12/29/88	ND	ND	ND	18.0	ND	16.0	ND	23.0	ND	57.0	ND	ND	ND
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
295.4	ND	27.7	ND	107.1	ND	30.4	ND	ND	165.2	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
295.4	10.0	27.0	ND	98.0	ND	13.0	ND	ND	148.0	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND
295.4	12.0	43.0	ND	97.0	ND	44.0	ND	ND	196.0	ND	NA	17.0	ND	ND	ND	ND	ND	ND	1.6
295.5	ND	ND	ND	26.0	ND	3.7	ND	ND	29.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.5	ND	23.1	ND	100.0	ND	20.0	ND	ND	143.1	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND
295.5	12.0	18.0	ND	140.0	ND	67.0	ND	ND	237.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
297.0	153.2	411.3	5.6	185.5	ND	121.0	58.1	129.0	1063.7	ND	ND	11.3	ND	ND	ND	ND	ND	ND	ND
298.0	14.0	44.0	6.0	110.0	ND	ND	ND	ND	174.0	ND	ND	13.0	ND	ND	ND	12.0	ND	ND	1.5
298.0	19.0	65.0	4.5	170.0	ND	15.0	ND	4.5	278.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.4	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	98.2	ND	NA	98.2	ND	ND	NA
295.4	ND	ND	11.0	ND	ND	ND	ND	ND	ND	ND	NA	ND	35.0	ND	ND	35.0	ND	ND	NA
295.4	ND	ND	9.1	ND	ND	ND	ND	NA	NA	140.0	NA	ND	78.0	78.0	ND	156.0	NA	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	35.0	ND	NA	35.0	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	107.7	ND	NA	107.7	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	30.0	NA	ND	120.0	250.0	ND	370.0	NA	ND	NA
297.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	79.8	ND	NA	79.8	ND	ND	NA
298.0	ND	ND	5.3	ND	ND	3.4	ND	ND	ND	NA	NA	ND	170.0	ND	NA	170.0	ND	ND	NA
298.0	ND	ND	ND	ND	ND	2.9	ND	ND	ND	NA	NA	ND	620.0	ND	NA	620.0	ND	ND	NA
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	130.0	ND	NA	130.0	NA	NA	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
300.2	Mare Island	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	Mare Island	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	ND	ND	26.0	ND	17.0	4.8	12.0	ND	59.8	ND	ND	ND
302.0	Point Pinole	TCM	01/14/88	ND	ND	ND	8.7	ND	8.0	ND	6.8	ND	23.5	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	ND	ND	ND	13.0	ND	11.0	ND	2.8	ND	26.8	ND	ND	ND
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	7.8	ND	6.7	2.2	3.3	ND	20.0	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	ND	ND	ND	8.6	ND	6.7	3.2	3.8	ND	22.3	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	ND	NA	ND	6.2	ND	5.5	3.6	4.9	ND	20.2	ND	ND	NA
302.0	Point Pinole	TCM	01/20/93	ND	NA	ND	7.2	ND	6.5	3.6	5.1	ND	22.4	4.0	2.6	NA
302.4	Castro Cove Bridge	TCM	01/18/88	19.0	ND	20.0	120.0	3.1	150.0	42.0	82.0	38.0	455.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	9.7	53.0	ND	47.0	ND	8.5	ND	ND	118.2	ND	ND	35.0	ND	NA	NA	ND	ND	ND	3.5
302.0	7.8	26.0	ND	36.0	ND	12.0	ND	ND	81.8	ND	ND	29.0	ND	NA	NA	ND	ND	ND	2.8
302.0	ND	ND	ND	28.0	ND	ND	ND	ND	28.0	ND	ND	26.0	ND	NA	NA	ND	ND	ND	ND
302.0	ND	14.4	ND	17.8	ND	ND	ND	ND	32.2	ND	ND	17.8	ND	NA	NA	ND	ND	ND	ND
302.0	ND	37.0	ND	25.0	ND	ND	ND	65.0	127.0	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND
302.0	ND	10.0	3.2	32.0	ND	ND	ND	ND	45.2	ND	NA	16.0	ND	ND	ND	ND	ND	ND	1.4
302.0	7.3	23.0	ND	28.0	ND	ND	ND	8.0	66.3	ND	NA	19.0	ND	ND	ND	ND	ND	ND	ND
302.4	230.0	220.0	66.0	120.0	ND	39.0	ND	120.0	795.0	NA	NA	130.0	ND	NA	NA	ND	ND	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	811.1
300.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	260.0
302.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA
302.0	ND	ND	1.4	1.4	ND	ND	ND	ND	ND	NA	NA	ND	84.0	ND	NA	84.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.0	ND	NA	93.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	53.3	ND	NA	53.3	ND	ND	370.2
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	63.0	ND	ND	63.0	ND	ND	300.0
302.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
302.0	ND	ND	2.1	ND	ND	ND	ND	NA	NA	11.0	NA	ND	170.0	ND	ND	170.0	NA	ND	200.0
302.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	350.0	ND	NA	350.0	NA	ND	NA

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APPENDIX O (continued)

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Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	ND	ND	ND	12.0	ND	8.8	3.8	8.9	ND	33.5	ND	ND	ND
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	ND	ND	11.0	24.0	10.0	31.0	3.2	18.0	9.7	106.9	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	01/14/88	260.0	ND	9.3	168.0	15.0	170.0	18.0	120.0	ND	500.3	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	03/22/91	36.0	ND	ND	56.0	ND	57.0	12.0	31.0	ND	156.0	ND	ND	ND
303.4	Santa Fe Channel/End	TCM	03/22/91	5.4	ND	ND	22.0	ND	20.0	5.5	15.0	ND	62.5	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	ND	ND	ND	10.0	ND	8.4	ND	7.8	ND	26.2	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	ND	ND	9.3	ND	5.3	ND	2.4	ND	17.0	7.2	ND	ND
304.4	Serl Intake	TCM	03/22/91	ND	ND	ND	13.0	ND	10.0	4.7	8.8	ND	36.5	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	ND	ND	ND	4.4	ND	3.5	2.1	3.2	ND	13.2	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	ND	NA	ND	6.0	ND	4.4	2.6	2.8	ND	15.8	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
303.1	35.0	120.0	21.0	68.0	38.0	81.0	ND	10.0	373.0	ND	ND	61.0	ND	ND	ND	ND	ND	ND	1.1
303.2	410.0	930.0	51.0	490.0	590.0	1000.0	380.0	340.0	4191.0	ND	ND	580.0	ND	NA	NA	ND	42.0	NA	ND
303.3	3600.0	10000.0	120.0	2700.0	8100.0	11000.0	530.0	190.0	36240.0	ND	ND	4300.0	ND	ND	ND	9.6	440.0	ND	39.0
303.3	1200.0	3400.0	93.0	1300.0	2400.0	5000.0	120.0	180.0	13693.0	ND	ND	1000.0	ND	ND	ND	ND	ND	ND	2.7
303.4	260.0	930.0	37.0	400.0	310.0	680.0	110.0	110.0	2837.0	ND	ND	250.0	ND	ND	ND	ND	ND	ND	1.4
303.6	19.0	82.0	15.0	65.0	12.0	19.0	ND	16.0	246.0	ND	ND	54.0	1.5	ND	ND	1.5	ND	ND	1.8
303.6	22.0	69.0	12.0	37.0	10.0	17.0	27.0	9.5	203.5	ND	ND	39.0	5.2	ND	ND	5.2	ND	ND	1.5
304.4	20.0	75.0	ND	43.0	23.0	29.0	ND	12.0	202.0	ND	ND	27.0	ND	ND	ND	ND	ND	ND	1.4
306.0	ND	14.0	4.1	12.0	ND	ND	ND	ND	30.1	ND	ND	8.3	ND	NA	NA	ND	ND	ND	1.8
306.0	6.0	21.0	3.7	29.0	ND	ND	ND	ND	59.7	ND	NA	12.0	ND	ND	ND	ND	ND	ND	2.1

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
303.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	94.0	1300.0	ND	ND	1394.0	ND	ND	NA
303.2	NA	NA	NA	ND	ND	2.1	ND	NA	NA	NA	NA	120.0	680.0	ND	NA	800.0	ND	ND	NA
303.3	9.8	30.0	9.6	ND	ND	ND	ND	16.0	ND	NA	NA	200.0	1200.0	ND	NA	1400.0	ND	1400.0	NA
303.3	ND	ND	ND	ND	ND	1.6	ND	ND	ND	15.0	NA	170.0	1200.0	ND	ND	1370.0	ND	ND	NA
303.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	NA	180.0	880.0	ND	ND	1060.0	ND	ND	NA
303.6	ND	ND	1.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	640.0	ND	NA	640.0	ND	ND	6551.4
303.6	ND	1.8	1.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	900.0	ND	NA	900.0	ND	ND	6600.0
304.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.0	NA	ND	360.0	ND	ND	360.0	ND	ND	NA
306.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	58.0	ND	ND	58.0	ND	ND	NA
306.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	140.0	ND	290.0	NA	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	ND	NA	ND	5.4	ND	5.3	2.2	4.2	ND	17.1	ND	2.1	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	ND	ND	7.0	ND	7.7	ND	4.2	ND	18.9	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	ND	ND	10.0	ND	8.5	ND	4.1	ND	22.6	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	ND	ND	10.0	ND	11.0	ND	6.6	ND	27.6	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	9.7	ND	7.6	3.4	2.8	ND	23.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	ND	ND	ND	7.7	ND	6.3	3.4	4.6	ND	22.0	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	ND	NA	ND	8.5	ND	6.5	3.0	3.6	ND	21.6	ND	ND	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	ND	NA	ND	8.7	ND	7.1	3.1	5.9	ND	24.8	5.1	3.1	NA
307.2	Alameda Yacht Harbor	TCM	01/14/88	1.2	ND	1.6	41.0	1.6	32.0	12.0	27.0	3.0	118.2	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	ND	ND	29.0	ND	18.0	7.1	17.0	ND	71.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
306.0	5.9	16.0	1.5	30.0	ND	ND	ND	9.0	62.4	ND	NA	12.0	ND	ND	ND	ND	ND	ND	1.2
306.5	ND	ND	3.4	28.0	ND	ND	ND	ND	31.4	ND	ND	12.0	ND	NA	NA	ND	ND	ND	1.7
307.0	ND	23.0	3.0	22.0	ND	ND	ND	ND	48.0	ND	ND	15.0	ND	NA	NA	ND	ND	ND	1.6
307.0	ND	8.2	5.8	31.0	ND	4.3	ND	9.5	58.8	ND	ND	12.0	ND	NA	NA	ND	ND	ND	2.0
307.0	ND	24.8	ND	22.1	ND	10.3	ND	ND	57.2	ND	ND	11.0	ND	NA	NA	ND	ND	ND	1.4
307.0	5.2	30.0	ND	22.0	ND	ND	ND	7.1	64.3	ND	ND	3.3	ND	ND	ND	ND	ND	ND	2.5
307.0	ND	9.9	3.5	28.0	ND	ND	ND	ND	41.4	ND	NA	16.0	ND	ND	ND	ND	ND	ND	1.2
307.0	7.2	25.0	ND	35.0	ND	5.1	ND	9.3	81.6	ND	NA	17.0	ND	ND	ND	ND	ND	ND	ND
307.2	14.0	45.0	6.7	57.0	9.8	31.0	ND	ND	182.5	ND	ND	35.0	ND	NA	NA	ND	ND	ND	1.4
307.2	8.9	28.0	5.3	34.0	6.6	24.0	ND	6.8	113.6	ND	ND	59.0	ND	ND	ND	ND	ND	ND	3.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
306.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
306.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	210.0	ND	NA	210.0	ND	ND	NA
307.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	230.0	ND	NA	230.0	ND	ND	NA
307.0	ND	ND	3.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	270.0	ND	NA	270.0	ND	ND	NA
307.0	ND	ND	2.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	151.7	ND	NA	151.7	ND	ND	NA
307.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	140.0	ND	ND	140.0	ND	ND	NA
307.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	180.0	ND	370.0	NA	ND	NA
307.0	ND	ND	2.0	ND	ND	ND	ND	NA	NA	9.1	NA	ND	290.0	180.0	ND	470.0	NA	ND	NA
307.2	ND	ND	2.9	ND	2.1	ND	ND	ND	ND	NA	NA	ND	320.0	ND	NA	320.0	ND	ND	2406.8
307.2	ND	ND	2.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	5700.0

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SED = Sediment
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	ND	ND	ND	10.0	ND	8.5	4.8	7.4	ND	30.7	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	ND	NA	ND	23.0	ND	18.0	6.9	15.0	ND	62.9	ND	ND	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	ND	NA	1.0	16.0	ND	24.0	8.8	16.0	6.3	72.1	10.0	1.6	NA
307.5	Lake Merritt	RBM	05/22/92	ND	NA	1.3	66.0	1.7	46.0	21.0	60.0	3.6	199.6	ND	ND	NA
307.5	Lake Merritt	RCM	03/16/93	ND	NA	1.4	30.0	1.0	24.0	12.0	28.0	3.7	100.1	ND	2.7	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	ND	ND	14.0	ND	5.4	ND	4.0	ND	23.4	ND	ND	ND
307.9	San Francisco/Islais Channel	TCM	01/15/88	ND	ND	ND	18.0	ND	17.0	3.0	8.9	ND	46.9	5.9	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	6.1	28.0	ND	26.0	ND	8.1	ND	ND	68.2	ND	ND	12.0	ND	NA	NA	ND	ND	ND	ND
307.4	15.0	60.0	3.5	42.0	ND	32.0	ND	7.9	160.4	ND	NA	27.0	ND	ND	ND	ND	ND	ND	ND
307.4	13.0	30.0	ND	32.0	6.7	24.0	ND	15.0	120.7	ND	NA	32.0	ND	ND	ND	ND	ND	ND	ND
307.5	25.0	95.0	8.6	87.0	8.8	31.0	26.0	16.0	297.4	ND	NA	34.0	ND	ND	ND	ND	ND	ND	ND
307.5	12.0	43.0	11.0	41.0	8.9	29.0	ND	23.0	167.9	3.1	NA	23.0	ND	ND	ND	ND	ND	ND	ND
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	ND	ND	ND	33.0	ND	ND	ND	ND	33.0	ND	ND	11.0	ND	NA	NA	ND	ND	ND	ND
307.9	5.5	ND	4.2	34.0	5.8	9.9	ND	ND	71.4	ND	ND	27.0	1.1	ND	ND	1.1	ND	ND	2.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	3644.5
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	4000.0
307.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	NA	ND	230.0	ND	ND	230.0	ND	ND	1500.0
307.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	240.0	ND	720.0	NA	ND	NA
307.4	ND	ND	2.4	1.1	4.3	ND	ND	NA	NA	6.9	NA	88.0	650.0	460.0	ND	1200.0	NA	ND	1100.0
307.5	ND	ND	ND	ND	4.0	ND	ND	NA	NA	9.8	NA	73.0	700.0	ND	ND	773.0	NA	ND	NA
307.5	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	NA	150.0	540.0	240.0	ND	930.0	NA	ND	NA
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	550.0	ND	NA	550.0	NA	NA	NA
307.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	NA
307.9	ND	3.8	4.1	ND	1.0	ND	ND	ND	ND	NA	NA	ND	470.0	ND	NA	470.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	ND	ND	ND	8.7	ND	6.0	3.1	4.8	ND	22.6	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	ND	NA	ND	7.7	ND	5.7	4.3	2.7	ND	20.4	ND	ND	NA
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	ND	NA	ND	9.2	ND	10.0	3.1	5.7	3.7	31.7	6.5	2.3	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	ND	ND	15.0	ND	16.0	ND	9.2	ND	40.2	ND	ND	ND
308.2	Hunter's Point/Shipyard	TCM	12/29/88	ND	ND	ND	17.0	ND	13.0	4.3	12.0	ND	46.3	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	01/16/91	ND	ND	ND	8.8	ND	7.0	3.2	3.5	ND	22.5	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	12/16/91	ND	NA	ND	4.3	ND	4.3	3.2	1.4	ND	13.2	ND	ND	NA
309.0	San Mateo Bridge/88	TCM	02/01/93	ND	NA	ND	14.0	ND	13.0	5.6	11.0	5.8	49.4	8.5	3.7	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	ND	ND	ND	10.0	ND	7.2	4.1	4.8	ND	26.1	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	ND	NA	ND	9.6	ND	6.7	4.2	5.7	ND	26.2	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
308.0	ND	31.0	ND	23.0	ND	6.6	ND	5.7	66.3	ND	ND	9.4	ND	ND	ND	ND	ND	ND	1.5
308.0	5.4	19.0	3.6	26.0	ND	7.3	ND	ND	61.3	ND	NA	18.0	ND	ND	ND	ND	ND	ND	1.6
308.0	ND	13.0	ND	21.0	ND	5.3	ND	7.6	46.9	ND	NA	25.0	ND	ND	2.6	2.6	ND	ND	ND
308.2	ND	33.0	6.9	43.0	ND	55.0	ND	6.2	144.1	ND	ND	30.0	ND	ND	ND	ND	ND	ND	ND
308.2	9.0	37.0	12.0	47.0	ND	ND	ND	ND	105.0	ND	ND	12.0	ND	NA	NA	ND	ND	ND	ND
309.0	ND	26.0	ND	15.0	ND	ND	ND	ND	41.0	ND	ND	19.0	ND	ND	ND	ND	ND	ND	ND
309.0	ND	3.8	3.9	29.0	ND	ND	ND	ND	36.7	ND	NA	24.0	ND	ND	ND	ND	ND	ND	1.1
309.0	5.1	16.0	ND	37.0	2.5	9.8	ND	13.0	83.4	ND	NA	39.0	ND	ND	3.8	3.8	ND	ND	ND
313.0	ND	29.0	ND	24.0	ND	ND	ND	5.0	58.0	ND	ND	ND	17.0	ND	ND	17.0	ND	ND	ND
313.0	ND	37.0	3.1	30.0	ND	ND	ND	ND	70.1	ND	NA	20.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
308.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	150.0	ND	ND	150.0	ND	ND	NA
308.0	ND	ND	1.1	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	200.0	ND	390.0	NA	ND	NA
308.0	ND	ND	ND	ND	2.9	ND	ND	NA	NA	ND	NA	ND	300.0	170.0	ND	470.0	NA	ND	NA
308.2	ND	ND	1.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	2100.0	ND	NA	2100.0	ND	ND	NA
308.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1600.0	ND	NA	1600.0	ND	ND	NA
309.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	87.0	ND	ND	87.0	ND	ND	NA
309.0	ND	ND	1.2	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	260.0	ND	450.0	NA	ND	NA
309.0	ND	ND	2.9	ND	5.4	ND	ND	NA	NA	6.8	NA	ND	400.0	220.0	ND	620.0	NA	150.0	NA
313.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	100.0	ND	ND	100.0	ND	ND	NA
313.0	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	NA	ND	180.0	170.0	ND	350.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	ND	NA	ND	11.0	ND	9.7	4.1	8.5	ND	33.3	6.1	ND	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	ND	ND	44.0	ND	9.9	ND	21.0	1.9	76.8	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	ND	ND	15.0	ND	6.7	ND	3.7	ND	25.4	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	ND	ND	ND	15.0	ND	11.0	9.0	6.7	ND	41.7	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	ND	NA	ND	3.4	ND	5.5	3.7	6.3	ND	18.9	ND	ND	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	ND	ND	24.0	ND	11.0	ND	6.0	ND	41.0	ND	ND	ND
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	2.1	23.6	2.1	18.6	5.7	12.1	1.4	65.7	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	ND	ND	ND	15.0	ND	11.0	9.4	11.0	ND	46.4	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	ND	NA	1.1	2.4	1.4	2.6	4.1	7.1	ND	18.7	ND	ND	NA
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	ND	NA	ND	8.4	ND	7.4	1.9	7.0	ND	24.7	10.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
313.0	ND	12.0	ND	30.0	ND	4.9	ND	8.8	55.7	ND	NA	24.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	ND	ND	70.0	ND	ND	20.0	ND	90.0	ND	ND	59.0	ND	NA	NA	ND	ND	ND	3.8
321.0	ND	ND	ND	26.0	ND	ND	ND	ND	26.0	ND	ND	28.0	ND	NA	NA	ND	ND	ND	ND
321.0	12.0	12.0	ND	51.0	ND	ND	ND	ND	75.0	ND	ND	25.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	26.0	3.8	38.0	ND	ND	ND	9.3	77.1	ND	NA	22.0	ND	ND	ND	ND	ND	ND	ND
323.3	ND	ND	ND	28.0	ND	ND	ND	ND	28.0	ND	ND	36.0	ND	NA	NA	ND	ND	ND	ND
323.3	ND	14.3	ND	25.7	ND	ND	ND	ND	40.0	ND	ND	20.7	2.1	NA	NA	2.1	ND	ND	1.4
326.0	16.0	23.0	ND	47.0	ND	ND	ND	9.5	95.5	ND	ND	13.0	ND	NA	NA	ND	ND	ND	ND
326.0	ND	16.0	ND	34.0	ND	ND	ND	6.2	56.2	ND	NA	22.0	ND	ND	5.6	5.6	ND	ND	ND
326.0	ND	ND	ND	37.0	ND	9.5	ND	7.7	54.2	ND	NA	8.7	ND	ND	ND	ND	ND	ND	2.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
313.0	ND	ND	1.5	ND	ND	ND	ND	NA	NA	9.1	NA	ND	230.0	120.0	ND	350.0	NA	ND	NA
321.0	ND	ND	7.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	540.0	ND	NA	540.0	ND	ND	NA
321.0	ND	ND	0.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	230.0	ND	NA	230.0	ND	ND	NA
321.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	88.0	ND	ND	88.0	ND	ND	NA
321.0	ND	ND	2.3	ND	ND	ND	ND	NA	NA	4.2	NA	ND	270.0	ND	ND	270.0	NA	ND	NA
323.3	ND	ND	5.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
323.3	ND	ND	5.7	ND	1.4	ND	ND	ND	ND	NA	NA	ND	107.1	ND	NA	107.1	ND	ND	NA
326.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	NA	ND	120.0	ND	ND	120.0	ND	ND	NA
326.0	ND	ND	6.5	ND	1.3	ND	ND	NA	NA	6.6	NA	ND	250.0	ND	ND	250.0	NA	ND	NA
326.0	ND	ND	2.4	ND	ND	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA

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RBM = Resident Bay Mussel
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ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
336.0	J. Fitzgerald	RCM	01/30/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.2	Pescadero Creek	TFC	02/08/88	ND	ND	ND	2.0	ND	3.2	ND	4.3	ND	9.5	ND	9.9	ND
399.2	Pescadero Creek	TFC	01/26/89	ND	ND	ND	2.3	ND	ND	ND	ND	ND	2.3	ND	ND	ND
399.3	Waddell Creek	TFC	02/08/88	ND	ND	ND	ND	ND	1.9	ND	1.7	ND	3.6	ND	3.3	ND
399.3	Waddell Creek	TFC	01/26/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	ND	ND	2.3	35.0	3.4	32.0	13.0	41.0	1.6	128.3	7.1	ND	ND
400.2	Younger Lagoon	SED	11/04/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	14.9	ND	14.0	9.6	14.9	1.8	55.3	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
336.0	ND	ND	ND	6.0	ND	ND	ND	ND	6.0	ND	ND	2.4	ND	NA	NA	ND	ND	ND	2.2
399.2	ND	5.7	3.1	43.0	11.0	8.2	ND	ND	71.0	ND	ND	ND	ND	ND	370.0	370.0	ND	ND	ND
399.2	ND	ND	ND	7.4	ND	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.3	ND	ND	ND	38.0	4.1	16.0	ND	ND	58.1	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND
399.3	ND	ND	ND	13.0	ND	ND	ND	ND	13.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	14.0	ND	69.0	8.5	34.0	ND	ND	125.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
400.8	ND	16.7	5.3	80.7	ND	21.1	ND	ND	123.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	1.0	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	30.0	ND	ND	30.0	ND	ND	NA
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
399.7	ND	ND	ND	7.7	3.9	1.2	ND	ND	ND	ND	29.2	ND	110.0	ND	ND	110.0	ND	ND	NA
400.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	105.3	42.1	NA	147.4	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
400.8	Aptos Creek	TFC	10/25/90	ND	ND	ND	1.9	ND	1.4	ND	4.3	ND	7.6	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	RFC	11/26/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	TFC	12/19/91	ND	NA	ND	6.3	ND	1.3	3.8	7.6	ND	19.0	ND	ND	NA
401.1	Santa Cruz/T Dock	TCM	02/08/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	ND	ND	9.3	ND	5.7	3.3	6.0	ND	24.3	ND	45.0	ND
401.5	Watsonville Slough/Bridge	TFC	02/02/88	10.0	ND	9.6	84.0	14.0	94.0	26.0	70.0	16.0	313.6	26.0	49.0	1100.0
401.5	Watsonville Slough/Bridge	TFC	03/10/93	9.8	NA	6.8	120.0	9.1	110.0	140.0	110.0	7.8	503.7	120.0	210.0	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	ND	ND	93.0	ND	20.0	14.0	30.0	ND	157.0	ND	7.4	ND
401.8	San Andreas Road	TFC	02/03/88	7.8	ND	4.3	78.0	8.9	60.0	ND	72.0	14.0	237.2	ND	80.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
400.8	ND	9.2	ND	36.0	ND	ND	ND	ND	45.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	ND	8.9	5.1	130.0	ND	19.0	ND	ND	163.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.3	6.1	34.0	ND	180.0	ND	20.0	ND	11.0	251.1	ND	ND	100.0	83.0	56.0	77.0	216.0	ND	ND	1.9
401.5	220.0	550.0	72.0	1500.0	310.0	820.0	86.0	40.0	3598.0	40.0	550.0	750.0	220.0	160.0	200.0	580.0	58.0	ND	1.3
401.5	450.0	650.0	130.0	5100.0	1200.0	3000.0	72.0	200.0	10802.0	ND	NA	1700.0	31.0	150.0	230.0	411.0	180.0	ND	ND
401.6	60.0	62.0	10.0	240.0	22.0	110.0	ND	ND	504.0	78.0	1100.0	29.0	20.0	ND	ND	20.0	ND	ND	ND
401.8	240.0	570.0	120.0	2200.0	480.0	1100.0	55.0	91.0	4856.0	ND	450.0	1400.0	81.0	95.0	230.0	406.0	49.0	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	39.0	ND	ND	39.0	ND	ND	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	91.0	ND	ND	91.0	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	93.0	ND	ND	93.0	NA	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
401.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6500.0
401.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	80.0	ND	NA	80.0	ND	ND	NA
401.5	ND	ND	1.9	3.2	30.0	6.0	24.0	ND	ND	NA	NA	ND	130.0	ND	NA	130.0	ND	4600.0	NA
401.5	ND	ND	7.1	ND	26.0	7.1	ND	NA	NA	280.0	NA	80.0	190.0	ND	ND	270.0	NA	15000.0	NA
401.6	ND	ND	ND	4.0	12.0	ND	ND	ND	23.0	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
401.8	ND	ND	ND	ND	22.0	3.8	ND	ND	ND	NA	NA	ND	180.0	ND	NA	180.0	ND	3100.0	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
401.9	Pajaro River Estuary	TFC	03/10/93	ND	NA	1.8	27.0	2.6	23.0	9.8	20.0	2.4	86.6	120.0	68.0	NA
402.1	Azevedo Pond	TCM	02/25/93	ND	NA	ND	13.0	ND	21.0	5.4	11.0	2.1	52.5	ND	48.0	NA
402.2	Parson's Slough	TCM	03/02/88	ND	ND	ND	6.4	ND	8.4	ND	2.2	ND	17.0	ND	28.0	ND
402.2	Parson's Slough	TCM	01/04/89	ND	ND	ND	8.1	ND	4.6	ND	3.3	ND	16.0	ND	32.0	ND
402.2	Parson's Slough	TCM	02/25/93	ND	NA	0.5	16.0	ND	16.0	7.3	12.0	1.9	53.7	29.0	200.0	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	ND	ND	7.0	ND	4.4	1.7	3.3	ND	16.4	ND	37.0	ND
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	ND	NA	ND	10.0	ND	5.6	2.1	3.5	ND	21.2	ND	150.0	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	ND	ND	3.0	ND	2.7	ND	1.0	ND	6.7	ND	11.0	ND
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	ND	ND	3.5	ND	7.9	ND	3.2	ND	14.6	ND	5.3	ND
403.2	Moro Cojo	TCM	01/04/89	ND	ND	ND	24.0	ND	23.0	5.4	13.0	ND	65.4	ND	65.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
401.9	98.0	120.0	19.0	600.0	120.0	380.0	ND	46.0	1383.0	ND	NA	120.0	3.2	13.0	55.0	71.2	21.0	24.0	ND
402.1	55.0	130.0	19.0	600.0	33.0	140.0	44.0	31.0	1052.0	150.0	NA	360.0	2.6	7.2	85.0	94.8	13.0	ND	1.2
402.2	7.8	8.4	ND	84.0	ND	13.0	ND	9.7	124.6	NA	NA	32.0	260.0	NA	NA	260.0	ND	NA	2.7
402.2	ND	7.2	ND	65.0	5.6	14.0	ND	ND	91.8	ND	ND	27.0	110.0	130.0	85.0	325.0	ND	ND	2.2
402.2	32.0	52.0	12.0	410.0	77.0	250.0	ND	24.0	857.0	ND	NA	190.0	3.8	18.0	120.0	141.8	19.0	ND	1.0
402.3	ND	6.4	ND	74.0	9.8	29.0	ND	ND	119.2	ND	ND	35.0	31.0	31.0	100.0	162.0	ND	ND	2.8
402.5	13.0	31.0	5.9	200.0	30.0	110.0	ND	9.7	399.6	ND	NA	130.0	5.5	12.0	110.0	127.5	23.0	ND	ND
403.0	ND	11.0	ND	37.0	ND	8.0	ND	ND	56.0	ND	ND	13.0	79.0	120.0	ND	247.0	ND	ND	1.6
403.0	ND	38.0	ND	54.0	5.3	13.0	ND	ND	110.3	ND	ND	13.0	9.8	30.0	31.0	70.8	ND	ND	3.5
403.2	14.0	71.0	10.0	270.0	28.0	100.0	ND	10.0	503.0	ND	ND	162.0	15.0	120.0	280.0	415.0	6.4	ND	1.7

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
401.9	ND	ND	6.1	ND	3.5	1.6	4.1	NA	NA	17.0	NA	ND	110.0	17.0	ND	130.0	NA	2500.0	NA
402.1	ND	ND	3.2	ND	15.0	ND	ND	NA	NA	ND	NA	ND	96.0	ND	ND	96.0	NA	800.0	NA
402.2	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	55.0	ND	NA	55.0	NA	ND	NA
402.2	ND	ND	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	39.0	ND	NA	39.0	ND	ND	NA
402.2	ND	ND	ND	ND	5.7	ND	ND	NA	NA	12.0	NA	ND	120.0	ND	ND	120.0	NA	1000.0	NA
402.3	ND	ND	ND	ND	2.0	ND	ND	ND	ND	NA	NA	ND	36.0	ND	NA	36.0	ND	ND	NA
402.5	ND	ND	ND	ND	15.0	ND	ND	NA	NA	9.5	NA	ND	49.0	ND	ND	49.0	NA	510.0	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	25.0	ND	NA	25.0	ND	ND	NA
403.2	ND	ND	ND	ND	8.9	ND	ND	ND	ND	NA	NA	ND	93.0	ND	NA	93.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
403.5	Moss Landing/South Harbor	TCM	02/02/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	Moss Landing/South Harbor	TCM	01/04/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	ND	ND	10.0	ND	10.0	ND	2.9	ND	22.9	ND	17.0	ND
404.0	Sandholdt Bridge	RBM	11/05/87	ND	ND	ND	12.0	ND	11.0	ND	8.2	ND	31.2	ND	5.1	ND
404.0	Sandholdt Bridge	RBM	02/02/88	ND	ND	ND	22.0	ND	37.0	22.0	30.0	ND	111.0	ND	4.0	ND
404.0	Sandholdt Bridge	RBM	04/07/88	ND	ND	1.7	3.0	ND	ND	ND	11.0	ND	15.7	ND	68.0	ND
404.0	Sandholdt Bridge	RBM	12/08/88	ND	ND	ND	13.0	ND	9.8	5.1	11.4	ND	39.3	ND	24.0	ND
404.0	Sandholdt Bridge	TCM	01/04/89	ND	ND	ND	11.0	ND	7.8	2.6	5.1	ND	26.5	ND	38.0	ND
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	11.6	ND	9.8	5.5	6.7	ND	33.5	6.1	60.4	61.0
404.0	Sandholdt Bridge	TCM	02/04/91	ND	ND	ND	7.7	ND	7.5	3.3	5.9	ND	24.4	ND	5.3	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.6	14.0	62.0	3.6	170.0	6.4	42.0	21.0	7.5	326.5	ND	ND	41.0	140.0	60.0	12.0	212.0	ND	ND	2.9
404.0	36.0	120.0	11.0	390.0	ND	25.0	12.0	30.0	624.0	ND	ND	23.0	27.0	ND	ND	27.0	ND	ND	1.7
404.0	62.0	190.0	22.0	1100.0	110.0	360.0	ND	100.0	1944.0	NA	NA	52.0	340.0	ND	NA	340.0	ND	NA	ND
404.0	ND	ND	5.8	400.0	16.0	ND	ND	9.7	431.5	ND	ND	37.0	100.0	130.0	330.0	560.0	ND	ND	1.3
404.0	34.0	230.0	9.5	860.0	ND	22.0	ND	15.0	1170.5	ND	ND	37.0	44.0	26.0	90.0	160.0	ND	ND	1.9
404.0	26.0	99.0	6.8	510.0	39.0	180.0	ND	16.0	876.8	ND	ND	60.0	80.0	80.0	130.0	290.0	7.5	ND	ND
404.0	42.7	134.1	14.0	731.7	73.2	420.7	ND	26.8	1443.3	ND	ND	91.5	146.3	134.1	158.5	439.0	ND	ND	1.2
404.0	14.0	60.0	14.0	180.0	9.6	36.0	ND	18.0	331.6	ND	ND	13.0	4.6	ND	ND	4.6	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9568.4
403.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1900.0
403.6	ND	ND	1.0	ND	1.1	ND	ND	ND	ND	NA	NA	ND	83.0	ND	NA	83.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
404.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	620.0	ND	NA	620.0	NA	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	190.0	ND	NA	190.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	210.0	ND	NA	210.0	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	220.0	ND	NA	220.0	ND	140.0	NA
404.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	237.8	ND	NA	237.8	ND	853.7	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	85.0	ND	ND	85.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
404.0	Sandholdt Bridge	TCM	01/28/92	ND	NA	ND	3.4	ND	7.5	4.6	5.1	ND	20.6	25.0	120.0	ND
404.0	Sandholdt Bridge	TCM	02/01/93	1.1	NA	1.0	29.0	ND	25.0	17.0	20.0	1.5	93.5	46.0	270.0	NA
405.2	Old Salinas River 2	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	NA
405.2	Old Salinas River 2	TFC	03/10/93	ND	NA	ND	7.2	ND	5.7	4.1	3.8	1.7	22.5	ND	180.0	NA
405.3	Old Salinas River 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	2.0	8.2	NA
405.3	Old Salinas River 1	TFC	03/16/92	ND	NA	ND	20.0	ND	4.5	19.0	6.9	4.8	55.2	160.0	430.0	NA
405.3	Old Salinas River 1	TFC	03/10/93	5.9	NA	8.2	93.0	7.2	63.0	ND	71.0	6.3	248.7	1000.0	2800.0	NA
405.6	Salinas River Lag 1	SED	01/27/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	NA
405.6	Salinas River Lag 1	TFC	03/10/93	ND	NA	0.6	7.9	ND	3.8	4.0	4.0	ND	20.3	20.0	130.0	NA
405.7	Salinas River Lag 2	SED	01/27/92	ND	NA	ND	3.0	ND	3.0	0.9	ND	ND	6.9	8.0	33.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
404.0	44.0	150.0	17.0	610.0	67.0	450.0	ND	26.0	1364.0	ND	NA	190.0	8.2	33.0	180.0	221.2	37.0	ND	1.4
404.0	110.0	260.0	34.0	1100.0	210.0	750.0	ND	51.0	2515.0	ND	NA	300.0	15.0	53.0	230.0	298.0	43.0	13.0	ND
405.2	ND	0.7	ND	2.0	ND	1.9	ND	ND	4.6	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
405.2	11.0	19.0	7.6	130.0	11.0	35.0	ND	7.9	221.5	ND	NA	27.0	ND	ND	13.0	13.0	ND	ND	ND
405.3	2.0	6.2	ND	9.4	ND	3.7	ND	ND	21.3	ND	NA	2.3	ND	1.1	3.5	4.6	ND	ND	ND
405.3	270.0	410.0	36.0	1900.0	650.0	3400.0	66.0	28.0	6760.0	ND	NA	690.0	15.0	53.0	190.0	258.0	160.0	ND	ND
405.3	300.0	460.0	60.0	1500.0	350.0	1200.0	ND	210.0	4080.0	ND	NA	640.0	61.0	130.0	440.0	631.0	180.0	ND	ND
405.6	ND	1.2	ND	1.5	ND	1.3	ND	ND	4.0	ND	NA	0.7	ND	ND	ND	ND	ND	ND	ND
405.6	6.7	21.0	8.1	140.0	11.0	49.0	ND	9.4	245.2	ND	NA	34.0	ND	2.6	16.0	18.6	4.9	ND	ND
405.7	16.0	64.0	2.8	93.0	ND	95.0	3.0	ND	273.8	11.0	NA	23.0	3.8	29.0	57.0	89.8	4.8	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
404.0	ND	ND	ND	ND	2.3	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	520.0	NA
404.0	ND	ND	ND	ND	3.5	1.0	6.4	NA	NA	7.8	NA	ND	240.0	ND	ND	240.0	NA	2200.0	NA
405.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.2	ND	ND	4.9	ND	ND	1.5	ND	NA	NA	ND	NA	ND	130.0	ND	ND	130.0	NA	460.0	NA
405.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.3	ND	ND	ND	ND	ND	13.0	ND	NA	NA	ND	NA	ND	150.0	240.0	ND	390.0	NA	3400.0	NA
405.3	ND	ND	ND	ND	7.2	13.0	16.0	NA	NA	44.0	NA	120.0	300.0	42.0	ND	460.0	NA	5000.0	NA
405.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
405.6	ND	ND	ND	ND	ND	1.8	ND	NA	NA	ND	NA	24.0	110.0	ND	ND	130.0	NA	330.0	NA
405.7	ND	ND	ND	ND	ND	0.6	ND	NA	NA	ND	NA	ND	21.0	17.0	ND	38.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
405.7	Salinas River Lag 2	TFC	03/16/92	4.3	NA	4.1	78.0	4.4	68.0	32.0	12.0	7.7	206.2	360.0	1100.0	NA
406.0	Westley Station	RFC	01/04/89	ND	ND	ND	2.3	ND	1.0	ND	1.5	ND	4.8	ND	6.3	ND
406.5	Tembladero Slough	TFC	03/10/93	8.3	NA	9.4	78.0	9.1	63.0	ND	70.0	ND	229.5	1100.0	2500.0	NA
407.4	Blanco Pump/West	TFC	03/10/93	5.0	NA	3.6	36.0	3.0	27.0	63.0	39.0	1.7	173.3	520.0	1100.0	NA
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	44.0	12.0	22.0	14.0	120.0	ND	160.0	54.0	382.0	2000.0	3000.0	ND
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	15.0	ND	11.0	210.0	7.0	260.0	1000.0	80.0	23.0	1591.0	3200.0	1900.0	ND
414.0	Pacific Grove	RCM	12/19/88	ND	ND	ND	ND	ND	ND	ND	1.7	ND	1.7	ND	3.0	ND
414.0	Pacific Grove	RCM	01/09/89	ND	ND	ND	10.0	ND	ND	ND	1.3	ND	11.3	ND	ND	ND
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	3.3	ND	2.0	ND	1.3	ND	6.6	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	ND	ND	ND	2.0	ND	1.5	ND	ND	ND	3.5	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
405.7	550.0	1300.0	97.0	3300.0	890.0	5100.0	130.0	120.0	11487.0	57.0	NA	950.0	79.0	270.0	780.0	1129.0	220.0	ND	1.9
406.0	ND	6.4	ND	67.0	7.7	33.0	ND	ND	114.1	ND	ND	7.6	8.1	NA	NA	8.1	ND	ND	2.1
406.5	270.0	480.0	74.0	1500.0	370.0	1200.0	25.0	190.0	4109.0	ND	NA	700.0	59.0	140.0	320.0	519.0	160.0	ND	ND
407.4	260.0	510.0	67.0	2600.0	620.0	1900.0	54.0	190.0	6201.0	ND	NA	1300.0	15.0	70.0	89.0	174.0	ND	ND	ND
408.9	600.0	2000.0	190.0	2400.0	1300.0	5000.0	780.0	220.0	12490.0	49.0	760.0	2400.0	110.0	174.0	580.0	864.0	260.0	NA	3.0
409.0	1400.0	3900.0	200.0	6000.0	3500.0	11000.0	1700.0	710.0	28410.0	NA	NA	4400.0	120.0	190.0	450.0	760.0	420.0	NA	ND
414.0	ND	ND	ND	30.0	ND	ND	ND	ND	33.4	ND	ND	12.0	7.8	ND	ND	7.8	ND	ND	3.2
414.0	ND	ND	ND	17.0	ND	ND	ND	ND	17.0	ND	ND	6.5	5.6	ND	ND	5.6	ND	ND	4.7
414.0	ND	ND	ND	23.8	ND	ND	ND	ND	23.8	ND	ND	4.0	5.3	NA	NA	5.3	ND	ND	2.6
414.0	ND	ND	ND	19.0	ND	ND	ND	ND	19.0	ND	ND	2.8	ND	ND	ND	ND	ND	ND	1.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethyl-parathion	Methyl-parathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
405.7	ND	ND	ND	ND	ND	6.5	37.0	NA	NA	ND	NA	52.0	400.0	170.0	ND	622.0	NA	2600.0	NA
406.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	30.0	ND	NA	30.0	ND	ND	NA
406.5	ND	ND	ND	1.0	14.0	15.0	ND	NA	NA	66.0	NA	150.0	310.0	38.0	ND	500.0	NA	6800.0	NA
407.4	ND	ND	ND	ND	1.2	5.6	ND	NA	NA	2.3	NA	83.0	250.0	43.0	ND	380.0	NA	6700.0	NA
408.9	ND	ND	12.0	4.0	76.0	42.0	230.0	ND	ND	NA	NA	ND	1200.0	ND	NA	1200.0	ND	31000.0	NA
409.0	NA	NA	NA	ND	ND	5.1	NA	NA	NA	NA	NA	ND	920.0	ND	NA	920.0	NA	39000.0	NA
414.0	ND	ND	1.2	1.2	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
414.0	Pacific Grove	RCM	01/31/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	Pacific Grove	RCM	02/12/93	ND	NA	ND	4.1	ND	3.2	1.2	2.5	ND	11.0	ND	2.0	NA
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	ND	2.6	15.0	ND	18.0	3.5	14.0	ND	53.1	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	01/22/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	Monterey Harbor/Marina/Pier B	TCM	04/05/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	10/28/87	ND	ND	ND	2.0	ND	1.6	ND	1.5	ND	5.1	ND	10.0	ND
425.6	Lake San Antonio	RFC	09/14/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	3.1	ND	ND	ND	1.6	ND	4.7	ND	7.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	4.8	ND	33.0	6.2	19.0	ND	ND	63.0	ND	NA	12.0	ND	ND	ND	ND	ND	ND	ND
421.7	ND	33.0	3.6	110.0	ND	ND	ND	23.0	169.6	NA	NA	19.0	ND	NA	NA	ND	ND	NA	ND
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	ND	ND	48.0	ND	31.0	ND	ND	79.0	NA	NA	13.0	ND	NA	NA	ND	20.0	NA	ND
425.6	ND	ND	ND	36.0	ND	ND	ND	ND	36.0	ND	ND	9.6	ND	ND	ND	ND	ND	ND	1.1
425.6	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
425.6	ND	ND	ND	31.0	ND	ND	ND	ND	31.0	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
414.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
421.7	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	640.0	ND	NA	640.0	NA	580.0	14332.6
421.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11000.0
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29176.1
421.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8700.0
425.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
425.6	Lake San Antonio	TFC	05/25/92	ND	NA	ND	3.2	ND	3.2	2.1	8.1	ND	16.6	ND	12.0	NA
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	Morro Bay/Boat Works	RBM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
425.6	ND	ND	ND	100.0	ND	20.0	ND	ND	120.0	ND	NA	2.4	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
425.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	87.0	140.0	ND	227.0	NA	ND	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	649.1

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
429.2	Morro Bay/Boat Works	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	Morro Bay/Boat Works	TCM	02/02/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660.0
429.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	279.5
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	ND	ND	ND	NA	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.0	Montana De Oro	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	2.4	ND	1.8	ND	1.2	ND	5.3	ND	ND	ND
430.0	Montana De Oro	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/03/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	ND	ND	ND	24.9	ND	ND	ND	ND	24.9	ND	ND	5.9	2.4	ND	ND	2.4	ND	ND	3.6
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	24.0	ND	ND	24.0	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	50.0	ND	ND	50.0	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.2	Montana De Oro 1	TCM	12/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	20.0	ND	ND	20.0	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
434.0	Diablo Cove/South	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	24.0	ND	ND	24.0	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	38.0	ND	ND	38.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	20.0	ND	NA	20.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	38.0	ND	NA	38.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

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RBM = Resident Bay Mussel
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SED = Sediment
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ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
435.0	Intake Cove	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	14.0	ND	ND	14.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	25.0	ND	ND	25.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	50.0	ND	NA	50.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	35.0	ND	NA	35.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15.0	ND	NA	15.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	35.7	ND	NA	35.7	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19.6	ND	NA	19.6	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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RBM = Resident Bay Mussel
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SED = Sediment
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	Lion Rock/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	17.8	ND	NA	17.8	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	93.0	ND	ND	93.0	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	21.0	ND	ND	21.0	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	92.0	ND	ND	92.0	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA

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SED = Sediment
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ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
440.0	Lion Rock/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	Lion/Diablo/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	Diablo Cove/North/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCB 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
441.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
442.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	ND	ND	ND	NA	ND	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15.7	ND	NA	15.7	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	13.0	ND	ND	13.0	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	44.0	ND	ND	44.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	17.0	ND	ND	17.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19.3	ND	NA	19.3	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	18.3	ND	NA	18.3	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	13.0	ND	ND	13.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	24.0	ND	ND	24.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	ND	29.0	ND	NA	29.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5	ND	100.0	ND	NA	100.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
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ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
446.4	San Luis Obispo/Creek 4	SED	02/25/92	ND	NA	ND	0.6	ND	0.6	ND	ND	ND	1.2	ND	1.3	NA
450.0	Point Conception	RCM	01/04/91	ND	ND	ND	1.3	ND	2.0	ND	ND	ND	3.3	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	ND	ND	ND	1.0	ND	1.1	ND	ND	ND	2.1	ND	ND	ND
455.0	Gaviota	TCM	03/21/89	ND	ND	ND	3.5	ND	ND	ND	1.2	ND	4.7	ND	ND	ND
460.0	Goleta Slough 1	TCM	12/18/88	ND	ND	2.0	40.0	ND	26.0	13.0	42.0	3.3	126.3	ND	10.0	29.0
460.0	Goleta Slough 1	SED	09/03/89	ND	ND	1.9	5.4	1.1	6.0	2.2	6.0	ND	22.7	ND	ND	ND
460.0	Goleta Slough 1	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	0.7	3.7	ND	4.2	2.0	2.8	ND	13.3	ND	ND	ND
460.1	Goleta Slough 2	SED	11/13/90	ND	ND	ND	3.1	ND	3.4	ND	2.0	ND	8.5	ND	ND	ND
460.2	Goleta Slough 3	SED	11/13/90	ND	ND	ND	1.3	ND	1.4	ND	ND	ND	2.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
446.4	ND	ND	ND	1.0	ND	ND	ND	ND	1.0	ND	NA	0.5	ND	ND	ND	ND	ND	ND	ND
450.0	ND	3.2	4.5	35.0	ND	ND	ND	ND	42.7	ND	ND	1.4	ND	NA	NA	ND	ND	ND	1.6
455.0	ND	ND	ND	4.3	ND	ND	ND	ND	4.3	ND	ND	1.2	ND	NA	NA	ND	ND	ND	1.5
455.0	ND	ND	ND	31.0	ND	ND	ND	ND	31.0	ND	ND	2.9	ND	NA	NA	ND	ND	ND	2.4
460.0	ND	ND	ND	71.0	ND	ND	ND	ND	71.0	ND	ND	13.0	3.2	NA	NA	3.2	ND	ND	ND
460.0	ND	8.0	ND	13.0	ND	2.8	ND	ND	23.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	7.2	ND	20.1	ND	3.3	ND	ND	30.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.1	ND	3.1	ND	3.7	ND	ND	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
460.2	ND	4.7	ND	ND	ND	ND	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
446.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	20.0	ND	ND	20.0	NA	ND	NA
450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.0	ND	ND	10.0	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	40.0	ND	NA	40.0	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	97.2	32.4	NA	129.6	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14.0	ND	NA	140.0	ND	ND	NA
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
460.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
446.0	San Luis Obispo Creek 1	TFC	02/26/91	ND	ND	6.9	73.0	6.4	56.0	35.0	89.0	6.4	272.7	ND	ND	ND
446.1	San Luis Obispo/Creek 2	SED	02/25/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	NA
446.2	San Luis Obispo Creek 3	SED	02/25/92	ND	NA	ND	0.8	ND	0.7	ND	0.5	ND	2.0	ND	1.6	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
446.0	ND	35.0	ND	63.0	ND	20.0	ND	ND	118.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
446.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
446.2	ND	0.5	ND	1.0	ND	2.1	ND	ND	3.6	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	120.0	ND	NA	120.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	39.9	ND	NA	39.9	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	177.3	ND	NA	177.3	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	100.0	ND	ND	100.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	56.0	ND	NA	56.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0	460.0	ND	ND	590.0	NA	NA	NA
446.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	220.0	ND	ND	220.0	ND	ND	NA
446.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
446.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	2.6	NA	ND	21.0	ND	ND	21.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
460.3	Goleta Slough 4	SED	11/13/90	ND	ND	ND	1.7	ND	1.9	ND	1.5	ND	5.1	ND	ND	ND
470.0	Santa Barbara Harbor	TCM	01/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	Santa Barbara Harbor	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	Mission Creek	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	Waste Slough/Laguna Drainage	SED	11/13/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
475.0	Carpinteria Marsh	TCM	01/26/88	ND	ND	ND	9.0	ND	6.2	ND	5.5	ND	20.7	ND	ND	ND
475.0	Carpinteria Marsh	TCM	12/18/88	ND	ND	ND	15.0	ND	11.0	1.6	7.5	ND	35.1	11.0	ND	ND
480.0	Lake Isabella	RFC	02/09/93	ND	NA	ND	4.4	ND	4.2	3.6	4.5	ND	16.7	ND	6.3	NA
485.0	Ventura Marina	TCM	01/25/88	ND	ND	9.4	30.0	ND	29.0	9.9	30.0	ND	108.3	ND	43.0	ND
485.2	Ventura River Estuary	SED	08/29/91	ND	NA	ND	0.5	ND	0.5	ND	ND	ND	1.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
460.3	ND	ND	ND	5.1	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
475.0	ND	ND	ND	62.0	ND	18.0	ND	ND	80.0	NA	NA	7.0	36.0	NA	NA	36.0	ND	NA	ND
475.0	ND	46.0	3.7	130.0	ND	12.0	ND	6.7	198.4	ND	ND	11.0	22.0	ND	100.0	122.0	ND	ND	2.2
480.0	ND	11.0	7.1	93.0	ND	ND	ND	8.4	119.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
485.0	27.0	66.0	22.0	410.0	37.0	150.0	41.0	48.0	801.0	NA	NA	11.0	53.0	NA	NA	53.0	ND	NA	ND
485.2	ND	2.1	ND	3.1	ND	ND	ND	ND	5.2	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
460.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	140.0	22.0	1000.0	162.0	ND	ND	NA
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4424.4
470.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5200.0
471.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
472.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
475.0	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
475.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	30.0	ND	NA	30.0	ND	ND	NA
480.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	110.0	ND	ND	110.0	NA	ND	NA
485.0	NA	NA	NA	7.0	ND	ND	NA	NA	NA	NA	NA	ND	380.0	ND	NA	380.0	NA	ND	8786.8
485.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	21.0	ND	ND	21.0	NA	ND	NA

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
487.1	Santa Clara River Estuary 1	SED	08/29/91	ND	NA	ND	1.4	ND	1.8	ND	1.2	ND	4.4	ND	1.0	NA
487.3	Santa Clara River Estuary 2	SED	08/29/91	ND	NA	ND	1.0	ND	0.6	ND	0.5	ND	2.1	1.4	2.3	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	ND	ND	ND	6.4	ND	17.0	ND	26.0	ND	49.4	ND	ND	ND
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	ND	ND	ND	11.0	ND	10.0	ND	13.0	ND	34.0	ND	ND	ND
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	ND	3.0	8.2	ND	10.0	6.4	8.6	ND	36.2	ND	ND	ND
507.1	Mugu Lagoon/L Street	SED	09/01/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	Mugu Lagoon/L Street	TCM	12/28/90	ND	ND	1.2	17.0	ND	11.0	9.5	15.0	1.2	54.9	ND	64.0	ND
507.2	Mugu Lagoon/Laguna Road	SED	09/01/90	ND	ND	ND	1.2	ND	1.2	ND	1.0	ND	3.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
487.1	9.7	46.0	1.0	43.0	2.5	8.0	ND	4.2	114.4	ND	NA	0.6	ND	1.1	2.4	3.5	ND	ND	ND
487.3	ND	2.7	ND	6.3	ND	12.0	ND	ND	21.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
506.1	28.0	390.0	58.0	170.0	ND	42.0	ND	34.0	722.0	NA	NA	7.0	ND	NA	NA	ND	ND	NA	ND
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	20.0	94.0	5.0	136.0	8.2	31.0	ND	22.0	316.2	ND	ND	ND	2.4	ND	ND	2.4	ND	ND	ND
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	ND	39.0	15.0	120.0	16.0	100.0	ND	36.0	326.0	NA	NA	5.8	13.0	NA	NA	13.0	ND	NA	ND
507.1	3.1	12.0	ND	18.0	ND	4.4	ND	ND	37.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.1	38.0	110.0	14.0	460.0	6.7	32.0	ND	34.0	694.7	ND	ND	6.8	14.0	40.0	170.0	224.0	ND	ND	2.1
507.2	2.6	8.6	ND	50.0	2.0	4.0	ND	ND	67.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
487.1	ND	ND	ND	ND	ND	0.2	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
487.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
506.1	NA	NA	NA	5.7	ND	ND	NA	NA	NA	NA	NA	ND	1800.0	ND	NA	1800.0	NA	ND	1366.3
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2100.0	ND	NA	2100.0	NA	NA	1700.0
506.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	580.0	ND	NA	580.0	ND	ND	7431.4
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	950.0	ND	NA	950.0	NA	NA	2500.0
506.3	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	ND	929.7
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	NA	ND	62.0	ND	ND	62.0	ND	200.0	NA
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	49.0	ND	49.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	ND	ND	1.0	20.0	ND	11.0	9.4	18.0	ND	59.4	ND	23.0	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	ND	7.2	100.0	1.2	49.0	17.0	82.0	7.3	263.7	48.0	300.0	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	ND	ND	0.3	3.8	ND	3.3	1.3	3.0	ND	11.8	3.7	2.9	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	ND	ND	3.3	44.0	3.7	36.0	23.0	56.0	4.6	170.6	ND	41.0	ND
507.3	Mugu Lagoon/Calleguas Creek	SED	08/29/91	ND	NA	ND	3.2	ND	2.3	1.0	2.6	ND	9.1	ND	2.5	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/10/92	ND	NA	0.5	4.2	ND	3.8	2.0	3.7	ND	14.2	2.6	12.0	NA
507.4	Ag Drain/Etting Road	SED	11/28/90	ND	ND	1.0	7.1	ND	6.3	2.4	5.6	ND	22.4	16.0	1.7	ND
507.6	Ag Drain/Pleasant Valley Road	SED	11/28/90	1.3	ND	1.2	12.0	ND	11.0	4.4	10.0	ND	38.6	53.0	120.0	ND
507.7	Revolon Slough/Las Posas Rd	SED	11/28/90	ND	ND	ND	7.3	ND	5.3	2.0	5.7	ND	20.3	8.0	ND	ND
507.8	Revolon Slough	TFC	03/14/88	ND	ND	70.0	780.0	74.0	700.0	1000.0	800.0	250.0	3674.0	1200.0	9400.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
507.2	39.0	130.0	24.0	800.0	13.0	32.0	ND	43.0	1081.0	ND	ND	11.0	5.7	31.0	74.0	110.7	ND	ND	1.9
507.3	102.0	449.0	80.0	2900.0	66.0	180.0	27.0	57.0	3861.0	ND	ND	43.0	54.0	140.0	140.0	334.0	7.2	42.0	ND
507.3	9.7	27.0	ND	127.2	2.5	17.5	ND	4.0	187.9	ND	ND	1.0	1.6	3.7	6.4	11.6	ND	ND	ND
507.3	87.0	230.0	37.0	1600.0	ND	130.0	ND	78.0	2162.0	ND	ND	31.0	170.0	100.0	190.0	460.0	ND	ND	3.7
507.3	7.8	34.0	2.4	140.0	4.2	15.0	ND	ND	203.4	ND	NA	0.6	ND	2.6	3.5	6.1	ND	ND	ND
507.3	11.0	44.0	3.1	200.0	5.2	24.0	ND	6.0	293.3	ND	NA	ND	ND	1.5	2.6	4.1	ND	ND	ND
507.4	8.3	32.0	ND	100.0	11.0	33.0	ND	ND	184.3	ND	ND	ND	ND	18.0	ND	18.0	ND	ND	1.1
507.6	30.0	95.0	8.0	320.0	46.0	100.0	8.5	8.0	615.5	30.0	23.0	ND	22.0	77.0	33.0	132.0	ND	ND	ND
507.7	23.0	92.0	6.8	340.0	17.0	38.0	ND	8.0	524.8	35.0	ND	ND	ND	16.0	39.0	55.0	3.0	ND	ND
507.8	2100.0	4800.0	540.0	20000.0	6800.0	20000.0	ND	690.0	54930.0	NA	ND	480.0	1500.0	1600.0	1100.0	4200.0	180.0	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	140.0	ND	ND	140.0	ND	230.0	NA
507.3	ND	ND	2.9	ND	4.1	1.4	ND	ND	ND	NA	NA	ND	460.0	ND	NA	460.0	ND	1800.0	NA
507.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	13.7	ND	54.1	NA	67.7	ND	30.2	NA
507.3	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	NA	ND	64.0	ND	ND	64.0	ND	1700.0	NA
507.3	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	ND	ND	31.0	ND	31.0	NA	200.0	NA
507.3	ND	ND	ND	ND	ND	0.3	ND	NA	NA	ND	NA	ND	18.0	30.0	ND	48.0	NA	1900.0	NA
507.4	ND	ND	ND	ND	ND	0.6	8.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	170.0	NA
507.6	ND	ND	1.7	ND	ND	0.7	14.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	920.0	NA
507.7	ND	ND	1.6	ND	ND	1.0	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	340.0	NA
507.8	NA	NA	NA	18.0	410.0	180.0	NA	NA	NA	NA	NA	180.0	3900.0	ND	NA	4080.0	ND	47000.0	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
507.8	Revolon Slough	SED	01/29/89	ND	ND	1.9	13.0	ND	7.1	4.1	12.0	ND	38.1	13.0	230.0	ND
507.8	Revolon Slough	TFC	01/29/89	ND	ND	47.0	360.0	42.0	120.0	ND	320.0	ND	889.0	770.0	1500.0	ND
507.8	Revolon Slough	SED	09/03/89	ND	ND	ND	7.4	ND	6.4	5.4	6.2	ND	25.2	8.5	6.6	ND
507.8	Revolon Slough	SED	11/28/90	ND	ND	1.9	13.0	ND	12.0	5.0	9.0	ND	40.9	6.2	1.1	ND
507.8	Revolon Slough	TFC	03/11/91	ND	ND	22.0	270.0	8.9	200.0	620.0	240.0	ND	1360.9	72.0	560.0	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	ND	2.0	ND	2.0	1.0	2.0	ND	6.9	1.6	1.0	ND
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	0.7	14.5	0.5	13.4	6.9	8.9	ND	45.0	25.4	45.4	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	0.5	9.9	0.5	8.5	8.0	9.1	ND	36.5	11.3	25.8	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	4.2	ND	2.8	3.1	3.2	ND	13.3	14.3	5.3	ND
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	0.6	ND	0.6	0.7	0.9	ND	2.7	ND	1.3	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
507.8	36.0	120.0	13.0	1300.0	27.0	140.0	ND	12.0	1648.0	ND	ND	4.0	13.0	ND	ND	13.0	ND	ND	ND
507.8	640.0	2500.0	400.0	9500.0	2000.0	9400.0	ND	390.0	24830.0	25.0	ND	130.0	2100.0	1100.0	9600.0	12800.0	50.0	ND	ND
507.8	35.8	119.3	9.5	457.3	35.8	91.5	ND	15.5	764.6	ND	ND	2.2	5.4	9.1	18.1	32.6	ND	ND	ND
507.8	49.0	170.0	10.0	390.0	15.0	38.0	7.4	13.0	692.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
507.8	1400.0	2100.0	150.0	1300.0	680.0	5800.0	ND	420.0	11850.0	ND	ND	53.0	110.0	110.0	290.0	510.0	22.0	ND	ND
508.1	6.7	16.8	ND	79.2	ND	9.7	ND	2.0	114.5	ND	ND	0.8	0.8	ND	4.0	4.8	ND	ND	ND
508.2	27.2	103.4	4.4	272.2	39.9	199.6	ND	5.4	652.3	ND	ND	4.4	152.5	112.5	41.7	306.7	ND	ND	ND
508.3	25.3	109.9	5.2	329.7	46.7	123.6	10.7	22.3	673.4	ND	ND	4.1	12.4	27.5	104.4	144.2	ND	ND	ND
508.4	27.8	102.3	8.9	321.6	36.5	90.6	ND	11.3	599.1	ND	ND	1.5	5.0	9.2	6.6	20.8	ND	ND	ND
508.5	1.9	12.0	ND	48.6	4.7	24.3	ND	ND	91.6	ND	ND	ND	1.0	2.3	4.3	7.6	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
507.8	ND	ND	ND	ND	ND	3.2	ND	ND	ND	NA	NA	ND	96.0	ND	NA	96.0	ND	510.0	NA
507.8	ND	ND	27.0	15.0	ND	10.0	ND	ND	ND	NA	NA	ND	440.0	ND	NA	440.0	ND	74000.0	NA
507.8	ND	ND	0.4	ND	ND	0.6	ND	ND	ND	NA	NA	ND	4.0	ND	NA	4.0	ND	258.4	NA
507.8	ND	3.0	1.4	ND	ND	1.0	10.0	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	390.0	NA
507.8	ND	ND	ND	ND	ND	17.0	ND	ND	ND	11.0	NA	ND	ND	ND	ND	ND	ND	34000.0	NA
508.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	27.7	NA	27.7	ND	ND	NA
508.2	ND	ND	ND	ND	ND	0.7	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	363.0	NA
508.3	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	467.0	NA
508.4	ND	ND	ND	ND	ND	0.3	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	219.3	NA
508.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	65.8	NA

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NA = Not Analyzed
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	0.4	6.3	0.4	5.2	3.7	5.9	ND	22.0	4.6	2.2	ND
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	1.8	ND	1.8	2.2	2.0	ND	7.7	2.7	8.8	ND
509.0	Calleguas	SED	09/03/89	ND	ND	0.5	11.9	ND	11.9	3.0	7.9	ND	35.3	5.8	38.1	ND
553.0	Marina Del Rey/Entrance	TCM	12/19/88	ND	ND	5.8	57.0	ND	46.0	13.0	48.0	ND	169.8	12.0	ND	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	4.2	ND	13.0	110.0	6.8	92.0	ND	84.0	ND	305.8	ND	4.0	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	ND	ND	8.9	92.0	ND	61.0	18.0	92.0	ND	271.9	6.6	ND	ND
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	ND	4.4	89.0	ND	69.0	26.0	41.0	5.3	234.7	ND	ND	ND
555.0	Marina Del Rey/Basin G	TCM	12/19/88	ND	ND	7.0	97.0	1.8	46.0	31.0	72.0	12.0	266.8	ND	ND	ND
555.2	Marina Del Rey/Basin D	TCM	01/25/88	ND	ND	10.0	120.0	ND	130.0	77.0	50.0	9.2	396.2	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	ND	2.8	140.0	ND	140.0	80.0	98.0	7.6	468.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
508.6	23.9	69.6	10.0	456.5	28.3	95.7	ND	9.6	693.5	ND	ND	2.4	13.9	30.4	18.3	62.6	ND	ND	ND
508.7	8.6	41.4	4.0	215.8	39.6	149.3	ND	2.0	460.6	ND	ND	1.1	2.2	6.8	14.7	23.7	ND	ND	ND
509.0	27.9	88.8	7.1	355.3	30.5	53.3	ND	12.9	575.9	ND	ND	2.5	7.9	15.0	16.5	39.3	ND	ND	ND
553.0	7.5	57.0	32.0	170.0	ND	7.3	ND	22.0	295.8	ND	ND	15.0	ND	ND	ND	ND	ND	ND	ND
554.0	12.0	62.0	17.0	210.0	4.8	15.0	32.0	14.0	366.8	ND	ND	36.0	ND	ND	ND	ND	ND	28.0	2.0
554.0	4.5	140.0	36.0	260.0	5.7	12.0	ND	28.0	486.2	ND	ND	37.0	ND	ND	ND	ND	ND	ND	1.0
555.0	ND	28.0	15.0	120.0	ND	ND	ND	14.0	177.0	ND	ND	48.0	ND	ND	ND	ND	ND	ND	1.1
555.0	22.0	154.0	52.0	300.0	ND	4.2	34.0	27.0	593.2	ND	ND	44.0	ND	62.0	100.0	162.0	ND	ND	ND
555.2	ND	45.0	11.0	220.0	ND	45.0	ND	36.0	357.0	NA	NA	90.0	ND	NA	NA	ND	ND	NA	ND
556.0	ND	63.0	41.0	280.0	ND	28.0	130.0	59.0	601.0	NA	NA	120.0	ND	NA	NA	ND	ND	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
508.6	ND	0.9	0.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	6.5	ND	NA	6.5	ND	260.9	NA
508.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	233.8	NA
509.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	55.8	NA	55.8	ND	114.2	NA
553.0	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	NA
554.0	ND	ND	2.4	2.4	1.4	ND	ND	ND	ND	NA	NA	ND	580.0	ND	NA	580.0	ND	ND	NA
554.0	ND	ND	1.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	890.0	ND	NA	890.0	ND	ND	NA
555.0	ND	ND	ND	ND	1.7	ND	ND	ND	ND	NA	NA	ND	290.0	ND	NA	290.0	ND	ND	4124.0
555.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	8300.0
555.2	NA	NA	NA	ND	7.5	ND	NA	NA	NA	NA	NA	ND	680.0	ND	NA	680.0	NA	ND	2488.5
556.0	NA	NA	NA	ND	7.0	ND	NA	NA	NA	NA	NA	ND	690.0	ND	NA	690.0	NA	ND	6163.6

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
556.0	Marina Del Rey/Basin E	TCM	12/19/88	ND	ND	5.3	100.0	ND	73.0	46.0	93.0	ND	317.3	ND	ND	ND
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	ND	ND	5.7	61.0	5.5	63.0	22.0	59.0	2.7	218.9	ND	ND	ND
559.0	King Harbor	TCM	12/28/87	ND	ND	ND	13.0	ND	15.0	9.6	13.0	1.6	52.2	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/28/87	ND	ND	6.6	43.0	ND	62.0	29.0	48.0	3.7	192.3	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/23/90	ND	ND	2.2	22.0	1.1	17.0	9.9	21.0	ND	73.2	ND	ND	ND
601.0	La Harbor/National Steel	SED	08/29/91	ND	NA	ND	2.0	ND	4.0	1.3	2.3	ND	9.6	7.2	0.4	NA
601.0	La Harbor/National Steel	TCM	12/22/91	ND	NA	1.0	33.0	ND	28.0	10.0	24.0	1.4	97.4	8.0	ND	NA
601.0	LA Harbor/National Steel	SED	09/10/92	ND	NA	0.7	2.0	ND	3.0	1.4	2.1	ND	9.2	5.6	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
556.0	33.0	64.0	83.0	420.0	ND	4.6	42.0	62.0	708.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
557.0	11.0	22.0	8.2	67.0	44.0	67.0	ND	5.4	224.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
559.0	ND	12.0	48.0	210.0	11.0	20.0	ND	38.0	339.0	NA	NA	14.0	ND	NA	NA	ND	ND	NA	ND
601.0	ND	9.0	140.0	390.0	130.0	500.0	ND	130.0	1299.0	NA	NA	25.0	ND	NA	NA	ND	ND	NA	ND
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	33.0	110.0	62.0	340.0	6.4	9.4	23.0	36.0	619.8	ND	ND	8.5	ND	NA	NA	ND	ND	ND	ND
601.0	3.7	42.0	16.0	81.0	ND	ND	4.0	3.2	149.9	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
601.0	39.0	170.0	69.0	470.0	3.4	9.9	34.0	44.0	839.3	ND	NA	13.0	ND	ND	ND	ND	ND	ND	1.0
601.0	4.6	21.0	4.2	51.0	1.3	9.0	ND	2.6	93.7	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
556.0	ND	ND	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	1400.0	ND	NA	1400.0	ND	ND	7800.0
557.0	ND	ND	3.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	550.0	ND	NA	550.0	ND	ND	NA
559.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	340.0	ND	NA	340.0	NA	ND	6244.4
601.0	NA	NA	NA	ND	5.3	ND	NA	NA	NA	NA	NA	1800.0	2500.0	ND	NA	4300.0	NA	ND	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	870.0	2600.0	ND	NA	3470.0	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2123.9	2477.9	ND	NA	4601.8	NA	NA	NA
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	250.0	1000.0	ND	ND	1250.0	ND	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	760.0	580.0	300.0	ND	1640.0	NA	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	170.0	860.0	150.0	ND	1180.0	NA	ND	NA
601.0	ND	ND	0.8	2.2	ND	0.4	ND	NA	NA	ND	NA	310.0	140.0	160.0	ND	610.0	NA	440.0	1100.0

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
601.0	LA Harbor/National Steel	RBM	01/06/93	ND	NA	ND	23.0	ND	21.0	17.0	20.0	3.4	84.4	6.6	ND	NA
602.0	LA Harbor/West Basin	TCM	12/28/87	ND	ND	1.1	23.0	ND	24.0	ND	16.0	1.2	65.3	ND	ND	ND
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90	ND	ND	1.1	15.0	ND	9.5	11.0	16.0	ND	52.6	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	ND	ND	2.0	19.0	ND	24.0	ND	24.0	ND	69.0	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
601.0	25.0	93.0	47.0	460.0	37.0	140.0	18.0	36.0	856.0	ND	NA	5.4	ND	ND	ND	ND	ND	ND	ND
602.0	12.0	60.0	57.0	200.0	5.4	13.0	ND	12.0	359.4	ND	ND	8.2	ND	ND	ND	ND	ND	ND	1.4
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	26.0	79.0	81.0	510.0	ND	8.5	24.0	41.0	769.5	ND	ND	7.8	ND	NA	NA	ND	ND	ND	ND
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	45.0	240.0	92.0	490.0	ND	48.0	100.0	59.0	1074.0	NA	NA	20.0	ND	NA	NA	ND	ND	NA	ND
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	700.0	710.0	ND	ND	1400.0	NA	520.0	3600.0
602.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	1000.0	ND	NA	1000.0	ND	ND	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.5	935.3	ND	NA	1028.8	NA	NA	NA
602.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	69.0	1300.0	ND	ND	1369.0	ND	ND	NA
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	820.0	ND	NA	820.0	NA	NA	NA
603.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	270.0	ND	NA	270.0	NA	ND	NA
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1200.0	ND	NA	1200.0	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	420.0	ND	NA	420.0	NA	NA	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	13.0	ND	8.0	3.8	6.7	ND	31.5	ND	ND	ND
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91	ND	NA	ND	4.4	ND	3.5	3.2	9.0	ND	20.1	ND	ND	NA
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	ND	NA	ND	9.9	ND	9.6	13.0	9.8	ND	42.3	3.9	ND	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	ND	ND	16.0	ND	15.0	5.0	11.0	1.3	48.3	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	ND	2.6	32.0	ND	28.0	13.0	21.0	2.8	99.4	14.0	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	ND	ND	6.9	48.0	1.6	27.0	4.4	44.0	ND	131.9	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	3.3	26.1	ND	23.9	9.8	19.6	ND	82.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	21.0	41.0	97.0	840.0	ND	5.1	31.0	81.0	1116.1	ND	ND	8.7	ND	NA	NA	ND	ND	ND	ND
605.0	15.0	35.0	170.0	1200.0	ND	ND	29.0	98.0	1547.0	ND	NA	2.0	ND	ND	ND	ND	ND	ND	ND
605.0	12.0	30.0	100.0	780.0	8.5	23.0	21.0	63.0	1037.5	ND	NA	3.1	ND	ND	ND	ND	ND	ND	ND
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	8.9	17.0	43.0	230.0	10.0	6.6	20.0	35.0	370.5	ND	ND	6.3	ND	ND	ND	ND	ND	ND	1.4
616.0	22.0	66.0	29.0	170.0	ND	40.0	ND	37.0	364.0	ND	ND	9.2	ND	ND	ND	ND	ND	ND	1.2
616.0	23.0	174.0	62.0	440.0	ND	13.0	36.0	24.0	772.0	ND	ND	9.7	ND	NA	NA	ND	ND	ND	ND
616.0	20.7	100.0	22.8	130.4	ND	9.8	35.0	16.3	335.0	ND	ND	9.8	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	110.0	ND	NA	110.0	NA	NA	3294.9
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	480.0	ND	NA	480.0	ND	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	69.0	630.0	ND	ND	699.0	NA	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	88.0	490.0	ND	ND	580.0	NA	180.0	NA
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	520.0	ND	NA	520.0	NA	NA	3439.3
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	620.0	ND	NA	620.0	NA	NA	11239.0
609.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	180.0	ND	NA	180.0	ND	ND	NA
616.0	ND	ND	2.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	550.0	ND	NA	550.0	ND	ND	1106.1
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.0	ND	NA	1100.0	ND	ND	4800.0
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	217.4	510.9	ND	NA	728.3	ND	ND	2437.2

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	ND	ND	3.2	27.0	1.5	21.0	15.0	32.0	ND	99.7	ND	ND	ND
616.0	La Harbor/Consolidated Slip	SED	08/29/91	ND	NA	6.6	33.0	3.8	40.0	7.7	28.0	1.4	120.5	59.0	ND	NA
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	ND	NA	4.0	38.0	2.2	35.0	14.0	38.0	ND	131.2	ND	ND	NA
616.0	LA Harbor/Consolidated Slip	SED	09/10/92	1.5	NA	8.5	29.0	5.7	27.0	8.9	22.0	0.9	102.0	36.0	ND	NA
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	ND	NA	3.3	44.0	2.8	37.0	26.0	36.0	5.7	154.8	12.0	3.5	NA
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	ND	NA	ND	42.0	1.3	33.0	19.0	47.0	6.2	148.5	8.9	ND	NA
617.6	Point Fermin	RCM	01/05/93	ND	NA	ND	7.4	ND	4.9	2.7	4.7	2.8	22.5	6.5	ND	NA
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	ND	NA	ND	3.5	ND	8.4	1.6	3.1	ND	16.6	ND	ND	NA
618.0	LA Harbor/Angels Gate	TCM	12/23/90	ND	ND	ND	8.0	ND	6.4	3.7	8.7	ND	26.8	ND	ND	ND
618.0	LA Harbor/Angels Gate	RCM	12/22/91	ND	NA	ND	5.9	ND	6.1	3.2	8.5	1.8	25.5	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
616.0	37.0	120.0	45.0	270.0	ND	ND	27.0	27.0	526.0	ND	ND	7.5	ND	NA	NA	ND	ND	ND	ND
616.0	36.0	200.0	20.0	320.0	25.0	43.0	4.6	4.9	653.5	33.0	NA	14.0	ND	ND	ND	ND	ND	ND	ND
616.0	23.0	200.0	46.0	360.0	ND	14.0	ND	31.0	674.0	ND	NA	13.0	ND	ND	ND	ND	ND	ND	ND
616.0	39.0	150.0	16.0	350.0	20.0	57.0	ND	6.6	638.6	ND	NA	6.3	ND	5.6	ND	5.6	ND	2.0	ND
616.0	48.0	150.0	39.0	500.0	33.0	140.0	29.0	49.0	988.0	ND	NA	13.0	ND	ND	ND	ND	ND	ND	ND
616.0	38.0	160.0	39.0	570.0	62.0	240.0	22.0	36.0	1167.0	ND	NA	6.6	ND	ND	ND	ND	ND	ND	ND
617.6	8.8	28.0	66.0	700.0	ND	11.0	ND	77.0	890.8	ND	NA	2.7	ND	ND	ND	ND	ND	ND	ND
617.9	4.9	11.0	39.0	380.0	ND	5.3	ND	38.0	478.2	ND	NA	5.0	ND	ND	ND	ND	ND	ND	ND
618.0	15.0	48.0	120.0	920.0	ND	ND	24.0	83.0	1210.0	ND	ND	1.1	ND	NA	NA	ND	ND	ND	1.7
618.0	13.0	52.0	170.0	1200.0	ND	15.0	28.0	120.0	1598.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	NA	110.0	760.0	ND	ND	870.0	ND	ND	ND
616.0	ND	ND	ND	ND	0.6	2.2	ND	NA	NA	21.0	NA	180.0	880.0	1400.0	ND	2460.0	NA	ND	NA
616.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	130.0	810.0	ND	ND	940.0	NA	ND	NA
616.0	ND	ND	0.8	4.8	ND	3.6	ND	NA	NA	37.0	NA	540.0	240.0	250.0	ND	1000.0	NA	3400.0	1000.0
616.0	ND	ND	ND	2.0	ND	ND	ND	NA	NA	ND	NA	260.0	610.0	ND	ND	870.0	NA	1900.0	1800.0
616.0	2.2	ND	ND	ND	ND	ND	ND	NA	NA	7.5	NA	250.0	610.0	23.0	ND	880.0	NA	2100.0	NA
617.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	230.0	ND	ND	230.0	NA	ND	NA
617.9	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	130.0	ND	ND	130.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	710.0	ND	ND	710.0	ND	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	68.0	620.0	ND	ND	688.0	NA	ND	NA

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RBM = Resident Bay Mussel
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
618.0	LA Harbor/Angels Gate	RCM	03/08/93	1.3	NA	ND	11.0	ND	12.0	5.4	9.7	2.0	40.1	ND	ND	NA
619.0	LA Harbor/San Pedro Boatworks	RBM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	San Pedro Breakwater	RCM	03/08/93	ND	NA	ND	5.8	ND	8.4	2.5	4.4	ND	21.1	ND	ND	NA
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	ND	ND	ND	9.5	ND	11.0	3.2	9.6	ND	33.3	ND	ND	ND
621.0	LA Harbor/Berth 120	TCM	12/23/90	ND	ND	ND	16.0	ND	1.8	10.0	13.0	ND	40.8	ND	ND	ND
622.0	LA Harbor/Commer Marine	TCM	12/23/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	Malibu	RBM	12/26/90	ND	ND	ND	3.9	ND	3.6	1.6	2.9	ND	12.0	ND	ND	ND
648.0	Malibu	RBM	01/06/93	ND	NA	ND	8.4	ND	8.1	5.6	6.1	2.1	30.3	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	12/22/91	ND	NA	ND	0.6	ND	0.5	ND	0.7	ND	1.8	ND	ND	NA
648.1	Malibu Lagoon/Channel A	SED	09/10/92	ND	NA	ND	0.6	ND	0.5	0.6	0.6	ND	2.3	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
618.0	9.1	20.0	61.0	590.0	5.9	25.0	ND	50.0	761.0	ND	NA	3.8	ND	ND	ND	ND	ND	ND	ND
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
619.2	7.7	18.0	67.0	600.0	ND	8.0	ND	63.0	763.7	ND	NA	5.8	ND	ND	ND	ND	ND	ND	ND
620.0	11.0	38.0	47.0	330.0	ND	5.5	ND	36.0	467.5	ND	ND	2.4	ND	NA	NA	ND	ND	ND	ND
621.0	31.0	73.0	39.0	550.0	ND	6.7	40.0	55.0	794.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
648.0	ND	16.0	15.0	110.0	ND	4.5	ND	ND	145.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	1.3
648.0	4.0	6.9	18.0	140.0	ND	4.7	ND	25.0	198.6	ND	NA	3.3	ND	ND	ND	ND	ND	ND	ND
648.1	ND	ND	ND	3.5	ND	ND	ND	ND	3.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.1	ND	1.0	ND	2.4	ND	ND	ND	ND	3.4	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	93.0	300.0	ND	ND	390.0	NA	160.0	NA
619.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400.0
619.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
620.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	430.0	ND	ND	430.0	ND	ND	NA
621.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	880.0	ND	ND	880.0	ND	ND	NA
622.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5500.0
648.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	70.0	ND	ND	70.0	ND	ND	NA
648.0	ND	ND	1.6	ND	ND	ND	ND	NA	NA	ND	NA	ND	120.0	ND	ND	120.0	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	-8.4	NA	ND	NA
648.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
648.3	Malibu Lagoon/Channel C	SED	12/22/91	ND	NA	ND	1.1	ND	2.3	ND	1.6	ND	5.0	ND	ND	NA
648.3	Malibu Lagoon/Channel C	SED	09/10/92	ND	NA	0.5	1.9	ND	3.2	1.0	2.1	ND	8.7	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	12/22/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
648.5	Malibu Lagoon/PCH	SED	09/10/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
650.0	Santa Monica	RBM	12/26/90	ND	ND	ND	11.0	ND	13.0	3.8	8.4	ND	36.2	ND	ND	ND
650.0	Santa Monica	RCM	01/06/93	ND	NA	1.2	35.0	ND	25.0	23.0	25.0	7.2	116.4	54.0	ND	NA
662.0	Royal Palms	RCM	12/28/87	ND	ND	ND	4.0	ND	3.9	ND	ND	ND	7.9	ND	ND	ND
662.0	Royal Palms	RCM	12/19/88	ND	ND	ND	8.2	ND	4.7	ND	2.6	ND	15.5	ND	ND	ND
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	3.6	ND	2.4	ND	1.2	ND	7.1	ND	ND	ND
662.0	Royal Palms	RCM	12/26/90	ND	ND	ND	6.3	ND	4.5	1.6	3.2	ND	15.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
648.3	ND	0.6	ND	2.7	ND	ND	ND	ND	3.3	ND	NA	7.1	ND	ND	ND	ND	ND	ND	ND
648.3	ND	0.5	ND	2.3	ND	ND	ND	ND	2.8	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	0.5	ND	ND	ND	ND	ND	ND	0.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
648.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
650.0	ND	17.0	15.0	93.0	ND	ND	ND	11.0	136.0	ND	ND	6.0	1.3	NA	NA	1.3	ND	ND	2.0
650.0	15.0	47.0	ND	440.0	5.9	35.0	ND	74.0	616.9	ND	NA	43.0	ND	ND	ND	ND	ND	ND	ND
662.0	ND	13.0	29.0	240.0	ND	ND	ND	46.0	332.2	ND	ND	2.4	ND	ND	ND	ND	ND	ND	1.1
662.0	9.2	47.0	73.0	880.0	ND	ND	28.0	58.0	1095.2	ND	ND	2.5	ND	NA	NA	ND	ND	ND	1.9
662.0	7.1	32.7	49.4	422.6	ND	4.8	57.1	45.2	619.0	ND	ND	6.0	ND	NA	NA	ND	ND	ND	1.8
662.0	11.0	44.0	60.0	820.0	ND	4.6	ND	65.0	1004.6	ND	ND	3.0	ND	NA	NA	ND	ND	ND	2.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
648.3	ND	ND	ND	ND	0.6	ND	ND	NA	NA	ND	NA	ND	110.0	5.9	ND	115.9	NA	ND	NA
648.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
648.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	65.0	ND	ND	65.0	ND	ND	NA
650.0	ND	ND	ND	1.4	ND	ND	ND	NA	NA	7.4	NA	220.0	1300.0	ND	ND	1500.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	64.0	ND	NA	64.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	140.0	ND	NA	140.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	119.0	ND	NA	119.0	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	150.0	ND	ND	150.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
662.0	Royal Palms	RCM	11/25/91	ND	NA	ND	2.9	ND	4.0	ND	2.7	ND	9.6	ND	ND	NA
662.0	Royal Palms	RCM	01/05/93	ND	NA	ND	9.1	ND	6.3	2.5	3.5	3.0	24.4	ND	ND	NA
664.0	Cabrillo Beach	RCM	12/22/91	ND	NA	ND	3.2	ND	2.6	1.6	4.7	ND	12.1	ND	ND	NA
664.2	Cabrillo Beach Buoy	RCM	01/05/93	ND	NA	ND	9.8	ND	13.0	6.1	10.0	1.7	40.6	ND	ND	NA
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	ND	NA	ND	2.0	ND	1.7	ND	1.3	1.1	6.1	ND	ND	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	ND	4.2	30.0	ND	40.0	17.0	30.0	ND	121.2	11.0	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	ND	ND	2.6	38.0	ND	18.0	ND	28.0	ND	86.6	4.1	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	1.9	24.7	ND	23.5	11.7	17.3	3.1	82.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	ND	ND	ND	19.0	ND	18.0	11.0	13.0	ND	61.0	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	ND	NA	0.9	14.0	ND	8.9	7.1	16.0	1.4	48.3	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
662.0	11.0	31.0	110.0	910.0	ND	12.0	23.0	110.0	1207.0	ND	NA	1.9	ND	ND	ND	ND	ND	ND	1.2
662.0	8.5	19.0	55.0	590.0	ND	6.1	12.0	58.0	748.6	ND	NA	8.3	ND	ND	ND	ND	ND	ND	ND
664.0	10.0	28.0	100.0	710.0	ND	13.0	ND	66.0	927.0	ND	NA	1.0	ND	ND	ND	ND	ND	ND	ND
664.2	16.0	36.0	92.0	710.0	11.0	44.0	ND	80.0	989.0	ND	NA	2.9	ND	ND	ND	ND	ND	ND	ND
682.0	ND	ND	3.4	41.0	ND	5.9	ND	4.6	54.9	ND	NA	1.7	ND	ND	ND	ND	ND	ND	ND
707.0	ND	25.0	41.0	360.0	ND	31.0	55.0	63.0	575.0	NA	NA	3.2	25.0	NA	NA	25.0	ND	NA	2.7
707.0	ND	110.0	44.0	600.0	ND	14.0	29.0	48.0	845.0	ND	ND	13.0	ND	ND	ND	ND	ND	ND	2.2
707.0	10.5	30.2	32.1	240.7	ND	ND	ND	41.4	354.9	ND	ND	10.5	ND	NA	NA	ND	ND	ND	ND
707.0	12.0	45.0	18.0	310.0	ND	4.7	ND	37.0	426.7	ND	ND	11.0	ND	ND	ND	ND	ND	ND	1.8
707.0	7.1	18.0	45.0	440.0	ND	5.2	ND	38.0	553.3	ND	NA	9.6	ND	ND	ND	ND	ND	ND	1.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	180.0	ND	ND	180.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	NA	190.0	NA
664.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	51.0	350.0	ND	ND	401.0	NA	ND	NA
664.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	91.0	410.0	ND	ND	500.0	NA	250.0	NA
682.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
707.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	220.0	ND	NA	220.0	NA	ND	660.4
707.0	ND	ND	1.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	820.0
707.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	NA	NA	74.1	191.4	ND	NA	265.4	ND	ND	323.3
707.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	NA	ND	190.0	ND	ND	190.0	ND	ND	470.0
707.0	ND	ND	0.9	ND	ND	ND	ND	NA	NA	5.0	NA	ND	280.0	ND	ND	280.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	ND	ND	1.3	23.0	ND	20.0	9.0	21.0	2.2	76.5	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	2.1	20.9	ND	19.3	12.8	12.3	1.6	69.0	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	ND	ND	ND	10.0	ND	9.3	5.7	6.5	ND	31.5	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	ND	NA	1.4	14.0	ND	12.0	7.8	14.0	1.1	50.3	ND	ND	NA
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	ND	ND	ND	15.0	ND	9.0	10.0	13.0	1.0	48.0	ND	ND	ND
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	ND	NA	1.1	16.0	ND	8.2	11.0	12.0	ND	48.3	ND	4.9	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	3.6	ND	2.4	40.0	ND	56.0	24.0	48.0	ND	170.4	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	ND	ND	4.7	56.0	2.0	33.0	14.0	41.0	4.2	154.9	6.6	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	4.2	44.6	1.2	37.5	22.0	22.0	1.2	132.7	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	ND	ND	3.9	65.0	2.3	57.0	26.0	54.0	4.4	212.6	7.2	3.3	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
708.0	8.3	20.0	27.0	200.0	17.0	8.3	ND	23.0	303.6	ND	ND	11.0	18.0	ND	56.0	74.0	ND	ND	2.0
708.0	15.0	44.4	30.5	390.4	ND	7.0	ND	35.8	523.0	ND	ND	8.6	1.1	NA	NA	1.1	ND	ND	1.1
708.0	7.2	26.0	20.0	130.0	ND	ND	ND	18.0	201.2	ND	ND	4.3	ND	ND	ND	ND	ND	ND	1.1
708.0	7.0	31.0	41.0	410.0	ND	8.0	ND	39.0	536.0	ND	NA	9.2	ND	ND	ND	ND	ND	ND	1.2
708.5	17.0	23.0	20.0	210.0	ND	5.8	ND	31.0	306.8	ND	ND	140.0	ND	ND	ND	ND	ND	ND	2.0
708.5	8.4	18.0	39.0	420.0	ND	10.0	ND	27.0	522.4	ND	NA	5.8	ND	ND	ND	ND	ND	ND	1.6
710.2	22.0	88.0	42.0	540.0	ND	30.0	24.0	36.0	782.0	ND	ND	20.0	40.0	ND	ND	40.0	ND	ND	4.6
710.2	14.0	78.0	53.0	630.0	ND	14.0	24.0	32.0	845.0	ND	ND	19.0	15.0	ND	ND	15.0	ND	ND	1.5
710.2	19.6	50.0	34.5	392.9	ND	18.5	119.0	53.6	688.1	ND	ND	11.3	ND	NA	NA	ND	ND	ND	ND
713.0	18.0	46.0	22.0	220.0	13.0	41.0	20.0	9.3	389.3	ND	ND	27.0	96.0	68.0	160.0	324.0	ND	ND	2.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
708.0	ND	ND	2.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	190.0	ND	NA	190.0	ND	ND	845.0
708.0	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	96.3	283.4	ND	NA	379.7	ND	ND	307.0
708.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	NA	ND	69.0	ND	ND	69.0	ND	ND	430.0
708.0	ND	ND	1.2	ND	ND	ND	ND	NA	NA	4.3	NA	ND	260.0	ND	ND	260.0	NA	ND	NA
708.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	110.0	ND	ND	110.0	ND	ND	NA
708.5	ND	ND	1.5	ND	ND	ND	ND	NA	NA	ND	NA	ND	260.0	ND	ND	260.0	NA	ND	NA
710.2	ND	ND	10.0	1.5	ND	ND	ND	ND	ND	NA	NA	ND	380.0	ND	NA	380.0	ND	ND	NA
710.2	ND	ND	4.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	420.0	ND	NA	420.0	ND	ND	NA
710.2	ND	ND	ND	ND	ND	1.8	ND	ND	ND	NA	NA	131.0	351.2	ND	NA	482.1	ND	ND	NA
713.0	ND	ND	4.6	ND	2.0	ND	ND	ND	ND	NA	NA	ND	530.0	ND	NA	530.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	3.7	50.0	ND	43.3	14.9	44.8	2.2	159.0	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	ND	ND	ND	21.0	ND	19.0	11.0	11.0	ND	62.0	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	ND	NA	2.5	31.0	ND	17.0	16.0	30.0	1.8	98.3	ND	4.0	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	ND	3.2	72.0	1.8	63.0	29.0	60.0	4.4	233.4	4.5	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	ND	ND	11.0	140.0	4.7	85.0	38.0	100.0	9.0	387.7	12.0	9.1	39.0
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	6.5	76.4	1.6	72.4	34.1	52.8	3.3	247.2	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	ND	ND	ND	36.0	ND	31.0	20.0	24.0	1.3	112.3	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	ND	NA	ND	35.0	ND	34.0	29.0	44.0	1.6	143.6	ND	ND	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	ND	NA	3.0	40.0	1.6	40.0	23.0	39.0	ND	146.6	23.0	5.1	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	ND	2.2	88.0	ND	95.0	48.0	58.0	ND	291.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
713.0	27.6	97.0	44.0	365.7	ND	ND	ND	49.3	583.6	ND	ND	16.4	ND	ND	ND	ND	ND	ND	ND
713.0	6.8	32.0	8.1	120.0	ND	9.3	ND	9.6	185.8	ND	ND	15.0	1.0	ND	ND	1.0	ND	ND	ND
713.0	15.0	46.0	30.0	430.0	ND	14.0	ND	23.0	558.0	ND	NA	15.0	ND	ND	ND	ND	ND	ND	1.1
715.0	13.0	33.0	15.0	250.0	5.0	27.0	ND	11.0	354.0	ND	ND	29.0	21.0	ND	93.0	114.0	ND	ND	ND
715.0	29.0	160.0	51.0	760.0	ND	7.8	31.0	26.0	1064.8	ND	ND	51.0	11.0	ND	ND	11.0	ND	ND	ND
715.0	15.4	68.3	56.9	357.7	ND	4.1	55.3	48.8	606.5	ND	ND	28.5	1.6	ND	ND	1.6	ND	ND	ND
715.0	9.8	35.0	11.0	150.0	ND	ND	ND	7.7	213.5	ND	ND	20.0	ND	ND	ND	ND	ND	ND	ND
715.0	10.0	23.0	20.0	450.0	ND	ND	ND	20.0	523.0	ND	NA	20.0	ND	ND	ND	ND	ND	ND	ND
715.0	7.7	27.0	10.0	350.0	11.0	47.0	ND	36.0	488.7	ND	NA	22.0	ND	ND	ND	ND	ND	ND	ND
717.0	ND	33.0	13.0	150.0	ND	15.0	ND	29.0	240.0	NA	NA	38.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
713.0	ND	ND	ND	ND	ND	1.5	ND	ND	ND	NA	NA	ND	425.4	ND	NA	425.4	ND	ND	NA
713.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	NA	ND	96.0	ND	ND	96.0	ND	ND	840.0
713.0	ND	ND	0.8	ND	ND	ND	ND	NA	NA	17.0	NA	62.0	360.0	ND	ND	422.0	NA	ND	NA
715.0	ND	ND	3.4	ND	1.4	ND	ND	ND	ND	NA	NA	ND	700.0	ND	NA	700.0	ND	ND	NA
715.0	ND	ND	5.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	660.0	ND	NA	660.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	97.6	382.1	ND	NA	479.7	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	NA	ND	97.0	ND	ND	97.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	ND	440.0	ND	ND	440.0	NA	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	10.0	NA	65.0	300.0	76.0	ND	440.0	NA	230.0	NA
717.0	NA	NA	NA	ND	4.8	ND	NA	NA	NA	NA	NA	ND	580.0	ND	NA	580.0	NA	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel

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RFC = Resident Fresh Water Clam
SED = Sediment

NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	ND	ND	9.0	9.7	5.7	58.0	23.0	69.0	7.1	172.5	35.0	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	ND	NA	ND	25.0	ND	27.0	22.0	45.0	5.2	124.2	ND	ND	NA
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	ND	NA	2.9	57.0	3.9	33.0	18.0	18.0	3.3	136.1	160.0	320.0	NA
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	ND	NA	3.5	18.0	3.0	19.0	5.2	10.0	4.0	62.7	79.0	190.0	NA
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	ND	ND	ND	7.2	ND	2.7	3.5	4.2	ND	17.6	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	ND	ND	26.0	ND	28.0	8.0	19.0	2.1	83.1	ND	5.6	ND
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	ND	ND	22.0	ND	17.0	7.1	21.0	2.0	69.1	5.4	37.0	ND
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	18.4	ND	17.1	9.5	13.3	1.9	60.1	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/90	ND	ND	ND	6.5	ND	6.1	3.0	3.9	ND	19.5	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	ND	ND	2.0	46.0	ND	45.0	ND	41.0	4.6	138.6	ND	11.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
717.0	5.8	160.0	26.0	370.0	ND	7.7	34.0	26.0	629.5	ND	ND	40.0	1.6	ND	ND	1.6	ND	ND	ND
717.0	26.0	120.0	62.0	750.0	ND	ND	34.0	53.0	1045.0	ND	NA	35.0	ND	ND	ND	ND	ND	ND	ND
719.1	27.0	61.0	13.0	390.0	42.0	290.0	ND	ND	823.0	ND	NA	62.0	15.0	33.0	40.0	88.0	ND	ND	4.0
719.1	15.0	50.0	9.6	320.0	9.8	35.0	ND	27.0	466.4	ND	NA	34.0	5.9	4.6	28.0	38.5	ND	ND	ND
720.5	5.1	11.0	13.0	110.0	ND	ND	ND	11.0	150.1	ND	ND	3.1	ND	ND	ND	ND	ND	ND	3.3
721.0	9.7	44.0	7.5	250.0	4.7	20.0	ND	22.0	357.9	ND	ND	10.0	59.0	30.0	370.0	459.0	ND	ND	1.9
721.0	16.0	68.0	22.0	380.0	ND	5.0	ND	28.0	519.0	ND	ND	14.0	12.0	ND	ND	12.0	ND	ND	2.1
721.0	8.9	41.1	12.7	215.2	ND	5.1	ND	22.2	305.1	ND	ND	8.9	ND	NA	NA	ND	ND	ND	1.9
721.0	ND	19.0	7.6	100.0	ND	ND	ND	7.9	134.5	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND
723.0	24.0	140.0	23.0	630.0	ND	21.0	24.0	34.0	896.0	ND	ND	17.0	44.0	32.0	130.0	206.0	ND	ND	2.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
717.0	ND	ND	6.6	ND	ND	1.4	ND	ND	ND	NA	NA	ND	410.0	ND	NA	410.0	ND	ND	NA
717.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	630.0	2900.0	ND	ND	3530.0	NA	ND	NA
719.1	ND	ND	11.0	ND	3.6	1.1	ND	NA	NA	450.0	NA	270.0	270.0	160.0	ND	700.0	NA	ND	NA
719.1	ND	ND	12.0	1.5	4.3	1.5	ND	NA	NA	79.0	NA	200.0	120.0	ND	ND	320.0	NA	ND	NA
720.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	NA	ND	110.0	ND	ND	110.0	ND	ND	NA
721.0	ND	ND	1.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	320.0	ND	NA	320.0	ND	ND	NA
721.0	ND	ND	5.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	190.0	ND	NA	190.0	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.0	NA	ND	164.6	ND	NA	164.6	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	NA	ND	44.0	ND	ND	44.0	ND	ND	NA
723.0	ND	ND	3.6	ND	1.1	ND	ND	ND	ND	NA	NA	ND	530.0	ND	NA	530.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	3.3	35.9	ND	30.7	13.1	23.5	2.6	109.2	ND	9.8	ND
723.0	Newport Bay/Bay Island	TCM	12/21/90	ND	ND	ND	15.0	ND	13.0	7.0	9.5	1.0	45.5	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/22/91	ND	NA	1.0	27.0	ND	25.0	15.0	32.0	2.9	102.9	ND	ND	NA
723.4	Newport Bay/Turning Basin	TCM	12/21/87	1.0	ND	3.0	67.0	1.6	65.0	25.0	65.0	9.0	235.6	9.5	20.0	ND
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	ND	ND	38.0	ND	28.0	17.0	28.0	ND	111.0	ND	41.0	ND
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	2.5	44.5	1.7	37.8	18.5	25.2	2.5	132.8	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/90	ND	ND	1.0	47.0	ND	25.0	18.0	34.0	2.9	127.9	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/22/91	ND	NA	1.5	26.0	ND	24.0	17.0	33.0	ND	101.5	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	ND	6.4	78.0	7.7	100.0	54.0	78.0	4.4	328.5	20.0	12.0	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	ND	ND	4.8	66.0	ND	45.0	21.0	52.0	6.2	195.0	15.0	77.0	50.0

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
723.0	19.0	124.2	43.8	535.9	ND	5.2	91.5	56.2	875.8	ND	ND	20.9	3.3	ND	ND	3.3	ND	ND	2.0
723.0	7.0	43.0	9.0	150.0	ND	ND	ND	9.5	218.5	ND	ND	7.6	ND	ND	ND	ND	ND	ND	ND
723.0	14.0	120.0	24.0	770.0	ND	12.0	ND	42.0	982.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
723.4	30.0	130.0	34.0	390.0	5.5	23.0	35.0	23.0	670.5	ND	ND	31.0	82.0	47.0	180.0	309.0	ND	ND	1.1
723.4	13.0	105.0	15.0	230.0	ND	4.8	ND	25.0	392.8	ND	ND	27.0	18.0	ND	ND	18.0	ND	ND	ND
723.4	15.1	84.0	13.4	411.8	ND	ND	ND	21.8	546.2	ND	ND	12.6	1.7	NA	NA	1.7	ND	ND	ND
723.4	8.3	77.0	ND	290.0	ND	ND	ND	22.0	397.3	ND	ND	23.0	ND	ND	ND	ND	ND	ND	ND
723.4	15.0	67.0	18.0	450.0	ND	ND	ND	22.0	572.0	ND	NA	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	74.0	190.0	56.0	740.0	ND	76.0	160.0	110.0	1406.0	NA	NA	64.0	260.0	NA	NA	260.0	ND	NA	ND
724.0	31.0	220.0	31.0	1100.0	ND	5.6	31.0	62.0	1480.6	ND	ND	41.0	20.0	ND	ND	20.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
723.0	ND	ND	3.9	ND	ND	ND	ND	ND	ND	78.0	NA	117.6	307.2	ND	NA	424.8	ND	ND	1656.8
723.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	NA	ND	71.0	ND	ND	71.0	ND	ND	1800.0
723.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	19.0	NA	53.0	410.0	ND	ND	463.0	NA	ND	NA
723.4	ND	ND	3.9	ND	1.9	ND	ND	ND	ND	NA	NA	ND	610.0	ND	NA	610.0	ND	ND	NA
723.4	ND	ND	6.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	250.0	ND	NA	250.0	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.0	NA	92.4	395.0	ND	NA	487.4	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.0	NA	ND	400.0	ND	ND	400.0	ND	ND	5300.0
723.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	11.0	NA	77.0	500.0	ND	ND	577.0	NA	ND	NA
724.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	400.0	ND	NA	400.0	NA	ND	NA
724.0	ND	ND	7.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	1.4	39.3	ND	35.2	19.3	30.3	2.8	128.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	ND	ND	ND	30.0	ND	120.0	14.0	20.0	1.7	185.7	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	ND	NA	1.7	22.0	ND	30.0	19.0	44.0	3.0	119.7	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	ND	NA	1.8	52.0	ND	46.0	21.0	39.0	7.4	167.2	130.0	8.8	NA
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	2.3	45.3	ND	32.0	23.4	37.5	5.5	146.1	ND	3.9	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/90	ND	ND	1.4	31.0	ND	15.0	11.0	29.0	1.8	89.2	ND	2.5	ND
725.0	Newport Bay/Crows Nest	TCM	12/22/91	ND	NA	ND	23.0	ND	29.0	23.0	51.0	5.4	131.4	6.7	ND	NA
725.0	Newport Bay/Crows Nest	TCM	01/05/93	ND	NA	1.3	32.0	ND	22.0	15.0	24.0	8.2	102.5	14.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
724.0	26.2	131.0	21.4	965.5	ND	ND	29.0	40.7	1213.8	ND	ND	22.1	2.1	NA	NA	2.1	ND	ND	ND
724.0	16.0	61.0	18.0	360.0	ND	ND	ND	23.0	478.0	ND	ND	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	24.0	140.0	29.0	990.0	ND	ND	ND	50.0	1233.0	ND	NA	18.0	ND	ND	ND	ND	ND	ND	ND
724.0	19.0	70.0	14.0	870.0	19.0	120.0	ND	42.0	1154.0	ND	NA	38.0	ND	ND	14.0	14.0	ND	ND	ND
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	21.9	117.2	42.2	398.4	ND	15.6	ND	53.1	648.4	ND	ND	30.5	1.6	NA	NA	1.6	ND	ND	1.6
725.0	15.0	46.0	ND	290.0	ND	ND	ND	25.0	376.0	ND	ND	24.0	ND	ND	ND	ND	ND	ND	ND
725.0	27.0	130.0	68.0	820.0	ND	ND	36.0	60.0	1141.0	ND	NA	39.0	ND	ND	ND	ND	ND	ND	ND
725.0	11.0	53.0	7.5	400.0	4.4	16.0	ND	25.0	516.9	ND	NA	40.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	83.0	NA	ND	331.0	ND	NA	331.0	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8	NA	ND	170.0	ND	ND	170.0	ND	ND	3300.0
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	18.0	NA	50.0	480.0	ND	ND	530.0	NA	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	25.0	NA	ND	310.0	29.0	ND	340.0	NA	600.0	1800.0
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3000.0	ND	NA	3000.0	NA	NA	13656.8
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.0	2600.0	ND	NA	2770.0	NA	NA	7500.0
725.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.0	NA	1015.6	2187.5	ND	NA	3203.1	ND	ND	4996.3
725.0	ND	ND	ND	ND	1.1	ND	ND	ND	ND	11.0	NA	270.0	1500.0	ND	ND	1770.0	ND	ND	9100.0
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	19.0	NA	660.0	3100.0	ND	ND	3760.0	NA	ND	NA
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	260.0	1300.0	ND	ND	1600.0	NA	ND	4100.0

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	ND	1.5	42.0	ND	31.0	13.0	38.0	3.7	129.2	11.0	73.0	33.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	ND	ND	19.0	90.0	3.4	72.0	ND	68.0	ND	252.4	29.0	63.0	45.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	ND	2.1	44.0	ND	31.0	12.0	31.0	4.0	124.1	12.0	49.0	34.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	3.4	31.6	ND	24.8	17.1	36.8	4.3	117.9	7.7	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	SED	09/02/90	ND	ND	ND	3.0	ND	3.1	2.2	2.3	ND	10.6	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	ND	ND	ND	34.0	ND	25.0	14.0	26.0	3.4	102.4	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	ND	NA	ND	35.0	ND	30.0	25.0	54.0	4.0	148.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	14.0	114.0	20.0	520.0	ND	ND	ND	31.0	699.0	ND	ND	31.0	24.0	ND	ND	24.0	ND	ND	ND
726.4	63.0	400.0	44.0	860.0	ND	59.0	110.0	66.0	1602.0	ND	ND	36.0	170.0	ND	ND	170.0	ND	31.0	2.5
726.4	25.0	98.0	13.0	560.0	ND	19.0	21.0	15.0	751.0	ND	ND	41.0	7.5	ND	210.0	217.5	ND	42.0	ND
726.4	16.2	70.9	80.3	435.9	ND	ND	37.6	47.0	688.0	ND	ND	25.6	1.7	ND	ND	1.7	ND	ND	ND
726.4	ND	3.2	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.4	ND	9.5	3.4	44.0	ND	5.0	ND	ND	61.9	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND
726.4	ND	48.0	43.0	230.0	ND	ND	ND	ND	321.0	ND	ND	16.0	ND	ND	ND	ND	ND	ND	ND
726.4	28.0	130.0	85.0	770.0	ND	ND	39.0	16.0	1068.0	ND	NA	33.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	800.0	ND	NA	800.0	NA	NA	6083.2
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2400.0	ND	NA	2400.0	NA	NA	9900.0
726.2	ND	ND	5.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	200.0	ND	NA	200.0	ND	ND	NA
726.4	ND	ND	12.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	400.0	ND	NA	400.0	ND	ND	NA
726.4	ND	ND	5.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	95.0	ND	NA	95.0	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.0	NA	769.2	3418.8	ND	NA	4188.0	ND	ND	6493.7
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	40.0	45.0	ND	85.0	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	NA	ND	340.0	170.0	180.0	510.0	ND	ND	ND
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2	NA	ND	1300.0	ND	ND	1300.0	ND	ND	5000.0
726.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	24.0	NA	690.0	3300.0	ND	ND	3990.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	ND	NA	ND	30.0	ND	36.0	11.0	29.0	3.0	109.0	9.1	ND	NA
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	ND	ND	5.8	35.0	11.0	31.0	18.0	34.0	1.0	135.8	70.0	2.8	230.0
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	ND	NA	4.1	33.0	4.1	23.0	16.0	31.0	5.3	116.5	220.0	33.0	NA
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	ND	ND	7.8	48.0	ND	6.6	ND	56.0	ND	118.4	10.0	100.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	6.7	63.9	9.2	48.7	23.5	26.1	1.7	179.8	168.1	243.7	ND
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	ND	ND	5.6	65.0	8.7	47.0	21.0	57.0	2.5	206.8	100.0	43.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	ND	NA	2.7	29.0	5.7	21.0	12.0	23.0	4.0	97.4	370.0	73.0	NA
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	7.6	68.7	9.9	59.5	25.2	25.2	1.5	197.7	190.8	229.0	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	ND	24.0	160.0	ND	120.0	ND	170.0	9.4	483.4	ND	68.0	ND
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	ND	ND	4.3	54.0	7.1	38.0	26.0	38.0	ND	167.4	380.0	100.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
726.4	7.4	11.0	20.0	270.0	ND	20.0	ND	45.0	373.4	ND	NA	14.0	ND	ND	ND	ND	ND	ND	2.0
727.0	17.0	30.0	ND	110.0	17.0	86.0	ND	28.0	288.0	ND	ND	54.0	ND	ND	ND	ND	ND	ND	ND
727.0	30.0	76.0	19.0	400.0	7.6	28.0	ND	39.0	599.6	ND	NA	28.0	ND	ND	17.0	17.0	ND	ND	ND
728.4	27.0	240.0	12.0	1400.0	120.0	350.0	ND	27.0	2176.0	ND	ND	36.0	44.0	730.0	1800.0	2574.0	ND	ND	ND
728.4	63.0	151.3	24.4	655.5	23.5	243.7	ND	23.5	1184.9	ND	ND	20.2	75.6	68.9	184.9	329.4	ND	ND	ND
728.4	44.0	200.0	18.0	570.0	65.0	240.0	ND	39.0	1176.0	ND	530.0	22.0	ND	ND	89.0	89.0	ND	ND	ND
728.4	21.0	56.0	11.0	360.0	24.0	140.0	ND	42.0	654.0	ND	NA	25.0	ND	ND	27.0	27.0	ND	ND	ND
728.5	67.9	244.3	15.3	595.4	ND	ND	ND	13.7	936.6	ND	ND	10.7	71.0	67.9	206.1	345.0	ND	ND	ND
728.6	140.0	630.0	120.0	2500.0	270.0	970.0	ND	45.0	4675.0	270.0	3100.0	41.0	1400.0	ND	ND	1400.0	ND	ND	3.8
728.7	41.0	160.0	18.0	360.0	47.0	200.0	ND	12.0	838.0	57.0	3800.0	14.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.4	ND	ND	2.3	ND	ND	ND	ND	NA	NA	ND	NA	ND	280.0	34.0	ND	310.0	NA	ND	4400.0
727.0	ND	ND	ND	ND	1.3	2.8	ND	ND	ND	290.0	NA	50.0	250.0	ND	ND	300.0	ND	ND	NA
727.0	ND	ND	ND	ND	ND	2.2	ND	NA	NA	130.0	NA	89.0	290.0	ND	ND	380.0	NA	ND	NA
728.4	ND	ND	ND	ND	ND	2.0	ND	ND	ND	NA	NA	ND	270.0	ND	NA	270.0	ND	ND	NA
728.4	ND	ND	4.2	ND	ND	3.4	ND	ND	ND	2200.0	NA	ND	361.3	ND	NA	361.3	ND	1008.4	NA
728.4	ND	ND	ND	ND	4.0	1.8	ND	ND	ND	800.0	NA	ND	300.0	ND	ND	300.0	ND	ND	NA
728.4	ND	ND	ND	ND	3.0	2.0	ND	NA	NA	540.0	NA	65.0	140.0	28.0	ND	230.0	NA	910.0	NA
728.5	ND	ND	3.8	ND	2.3	2.3	ND	ND	ND	2400.0	NA	ND	259.5	ND	NA	259.5	ND	763.4	NA
728.6	ND	ND	8.8	5.9	8.3	11.0	ND	ND	ND	NA	ND	ND	150.0	ND	NA	150.0	10.0	3100.0	NA
728.7	ND	ND	ND	ND	ND	5.9	ND	ND	ND	340.0	NA	ND	130.0	ND	ND	130.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
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NA = Not Analyzed
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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	ND	NA	2.5	28.0	6.5	19.0	12.0	21.0	5.0	94.0	460.0	49.0	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	ND	15.0	160.0	29.0	220.0	110.0	160.0	5.8	699.8	390.0	130.0	ND
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	2.9	21.0	4.8	21.0	24.8	21.0	ND	95.2	19.0	ND	ND
728.9	Upper Newport Bay/Drain 5	SED	01/23/91	ND	ND	ND	3.8	ND	7.9	1.5	4.7	ND	17.9	ND	ND	ND
735.0	Corona Del Mar	RCM	12/26/90	ND	ND	ND	5.5	ND	5.7	2.2	3.6	ND	17.0	ND	ND	ND
735.0	Corona Del Mar	RCM	11/29/91	ND	NA	ND	2.1	ND	ND	ND	4.3	ND	6.4	6.2	ND	NA
740.0	Dana Point Harbor/Boat Yard	SED	09/27/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	ND	NA	ND	5.9	ND	4.1	3.0	5.3	ND	18.3	ND	ND	NA
740.0	Dana Point Harbor/Boat Yard	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	3.5	ND	2.3	ND	1.8	ND	7.6	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
728.7	12.0	46.0	12.0	410.0	48.0	200.0	ND	40.0	768.0	ND	NA	31.0	ND	ND	19.0	19.0	ND	ND	ND
728.8	40.0	96.0	16.0	920.0	420.0	1200.0	ND	ND	2692.0	NA	NA	32.0	ND	NA	NA	ND	ND	NA	ND
728.9	ND	ND	ND	228.6	16.2	133.3	ND	ND	378.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.9	ND	3.8	ND	6.8	ND	3.1	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
735.0	ND	18.0	ND	76.0	ND	ND	ND	5.8	99.8	ND	ND	5.3	ND	NA	NA	ND	ND	ND	3.0
735.0	ND	ND	6.6	100.0	ND	ND	ND	11.0	117.6	ND	NA	3.4	ND	ND	ND	ND	ND	ND	1.8
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
740.0	ND	4.5	4.6	61.0	ND	ND	ND	ND	70.1	ND	NA	1.6	ND	ND	ND	ND	ND	ND	ND
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
744.1	ND	ND	3.8	57.0	ND	ND	ND	ND	60.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
728.7	ND	ND	ND	ND	3.5	1.7	ND	NA	NA	210.0	NA	46.0	130.0	ND	ND	180.0	NA	1100.0	NA
728.8	NA	NA	NA	ND	ND	2.6	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	170.0	NA	ND	95.2	32.4	NA	132.4	ND	361.9	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	NA	ND	ND	ND	ND	ND	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	190.0	ND	ND	190.0	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	83.0	ND	ND	83.0	NA	ND	NA
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380.0
740.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	ND	ND	150.0	NA	ND	2500.0
740.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4300.0
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	15.0	ND	NA	15.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.1	San Onofre 1	TCM	09/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/12/91	ND	ND	ND	5.1	ND	3.3	1.5	2.0	ND	11.9	ND	ND	ND
744.1	San Onofre 1	TCM	10/24/91	ND	NA	ND	2.9	ND	0.7	ND	3.7	ND	7.3	ND	1.2	NA
744.1	San Onofre 1	TCM	03/25/92	ND	NA	ND	6.2	ND	2.6	1.8	2.9	ND	13.5	ND	ND	NA
744.2	San Onofre 2	TCM	01/30/89	ND	ND	ND	2.3	ND	2.7	ND	1.0	ND	6.0	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	3.5	ND	2.5	ND	4.0	ND	10.1	ND	ND	ND
744.2	San Onofre 2	TCM	10/01/90	ND	ND	ND	1.4	ND	1.0	ND	ND	ND	2.4	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	ND	ND	ND	5.6	ND	3.9	1.7	3.4	ND	14.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	ND	NA	ND	5.9	ND	2.7	1.3	5.2	ND	15.1	ND	ND	NA
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	2.7	ND	ND	ND	ND	ND	2.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.1	ND	4.0	ND	31.0	ND	ND	ND	ND	35.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.1
744.1	ND	8.9	ND	91.0	ND	ND	ND	ND	99.9	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	7.9	90.0	ND	ND	ND	5.9	103.8	ND	NA	4.3	ND	ND	ND	ND	ND	ND	ND
744.1	6.0	7.6	10.0	140.0	ND	8.9	ND	12.0	184.5	ND	NA	7.5	ND	ND	ND	ND	ND	ND	1.8
744.2	5.0	7.5	ND	45.0	ND	ND	ND	ND	57.5	ND	ND	2.3	2.3	ND	ND	2.3	ND	ND	4.3
744.2	ND	3.0	4.5	55.6	ND	4.0	ND	ND	67.2	ND	ND	5.6	ND	ND	ND	ND	ND	ND	4.0
744.2	ND	4.2	ND	26.0	ND	ND	ND	ND	127.0	ND	ND	1.2	ND	ND	ND	ND	ND	ND	5.0
744.2	ND	8.5	ND	100.0	ND	ND	ND	7.0	115.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5
744.2	ND	13.0	11.0	140.0	ND	7.3	ND	ND	171.3	ND	NA	6.9	ND	ND	ND	ND	ND	ND	2.3
744.3	ND	ND	ND	38.8	ND	ND	ND	ND	38.8	ND	ND	1.6	ND	ND	ND	ND	ND	ND	2.7

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	21.0	ND	ND	21.0	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	47.0	ND	ND	47.0	NA	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	39.4	ND	NA	39.4	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	230.0	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	26.0	ND	ND	26.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	36.0	ND	ND	36.0	NA	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	19.7	ND	NA	19.7	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	2.1	ND	ND	ND	1.1	ND	3.2	ND	2.6	ND
744.3	San Onofre 3	TCM	09/27/90	ND	ND	ND	1.3	ND	1.1	ND	1.8	ND	4.2	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	ND	ND	ND	5.1	ND	4.0	1.2	2.6	ND	12.9	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	NA	ND	6.0	ND	2.5	ND	5.0	ND	13.5	ND	ND	NA
744.4	San Onofre 4	TCM	01/30/89	ND	ND	ND	4.6	ND	2.6	1.4	1.8	ND	10.4	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	2.0	ND	2.0	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	2.9	ND	2.0	1.0	1.5	ND	7.4	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	ND	ND	ND	3.6	ND	2.5	ND	2.1	ND	8.2	ND	ND	ND
744.4	San Onofre 4	TCM	10/24/91	ND	NA	ND	3.5	ND	1.1	ND	1.6	ND	6.2	ND	ND	NA
744.4	San Onofre 4	TCM	03/25/92	ND	NA	ND	5.4	ND	4.2	1.0	4.8	ND	15.4	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.3	5.3	15.3	4.7	84.2	ND	ND	ND	ND	109.5	ND	ND	1.6	ND	ND	ND	ND	ND	ND	3.7
744.3	ND	5.7	5.7	27.0	ND	ND	ND	ND	38.4	ND	ND	ND	ND	ND	NA	ND	NA	ND	4.6
744.3	ND	8.0	ND	100.0	ND	7.2	ND	10.0	125.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.0
744.3	ND	12.0	12.0	150.0	ND	5.1	ND	6.3	185.4	ND	NA	6.1	ND	ND	ND	ND	ND	ND	1.7
744.4	ND	6.4	3.9	80.0	ND	ND	ND	ND	90.3	ND	ND	2.6	ND	ND	ND	ND	ND	ND	4.9
744.4	ND	5.5	5.5	43.0	ND	6.5	ND	ND	60.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0
744.4	ND	6.9	7.8	68.6	ND	4.4	ND	7.4	95.1	ND	ND	9.8	1.0	ND	ND	1.0	ND	ND	2.5
744.4	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	6.2	77.0	ND	ND	ND	ND	83.2	ND	NA	3.2	ND	ND	ND	ND	ND	ND	1.0
744.4	ND	7.8	9.9	130.0	ND	12.0	ND	ND	159.7	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.5

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	18.9	ND	NA	18.9	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.0	ND	ND	10.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	32.0	ND	ND	32.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	35.0	ND	ND	35.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.0	ND	NA	20.0	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	35.0	ND	NA	35.0	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13.2	ND	NA	13.2	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	22.0	ND	ND	22.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	50.0	ND	ND	50.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.5	San Onofre 5	TCM	01/30/89	ND	ND	ND	3.5	ND	3.0	ND	ND	ND	6.5	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	ND	ND	0.9	ND	0.9	ND	1.9	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	1.0	ND	ND	ND	1.0	ND	2.0	ND	ND	ND
744.5	San Onofre 5	TCM	10/01/90	ND	ND	ND	1.2	ND	1.2	ND	ND	ND	2.4	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	ND	ND	ND	5.3	ND	2.8	1.2	2.0	ND	11.3	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	NA	ND	5.3	ND	2.7	1.4	5.2	ND	14.6	ND	ND	NA
744.6	San Onofre 6	TCM	01/30/89	ND	ND	ND	3.5	ND	2.5	ND	2.3	ND	8.3	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	1.8	ND	1.8	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	4.3	ND	1.1	ND	1.1	ND	6.5	ND	ND	ND
744.6	San Onofre 6	TCM	09/27/90	ND	ND	ND	1.9	ND	1.3	ND	1.6	ND	4.8	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.5	ND	ND	ND	65.0	ND	ND	ND	ND	65.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9
744.5	ND	3.7	4.2	55.8	3.7	6.0	ND	ND	73.5	ND	ND	4.7	ND	ND	ND	ND	ND	ND	3.3
744.5	ND	5.9	5.4	73.5	ND	ND	ND	ND	84.8	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
744.5	ND	5.9	ND	32.0	ND	ND	ND	ND	37.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9
744.5	ND	5.7	ND	80.0	ND	ND	ND	ND	85.7	ND	ND	1.3	ND	ND	ND	ND	ND	ND	1.5
744.5	ND	8.0	10.0	140.0	ND	12.0	ND	5.7	175.7	ND	NA	6.0	ND	ND	ND	ND	ND	ND	1.7
744.6	ND	5.3	4.4	41.0	ND	ND	ND	ND	50.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	4.6
744.6	ND	ND	8.2	54.8	ND	3.7	ND	ND	66.7	ND	ND	5.9	ND	ND	ND	ND	ND	ND	ND
744.6	ND	14.7	5.4	76.1	ND	ND	ND	ND	96.2	ND	ND	2.7	ND	ND	ND	ND	ND	ND	2.7
744.6	ND	4.3	5.3	26.0	ND	ND	ND	ND	35.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	20.0	ND	NA	20.0	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	36.7	ND	NA	36.7	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13.2	ND	NA	13.2	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.0	ND	ND	10.0	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	16.0	ND	ND	16.0	ND	ND	NA
744.5	ND	ND	0.8	ND	ND	ND	ND	NA	NA	ND	NA	ND	56.0	ND	ND	56.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	10.0	ND	NA	10.0	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
744.6	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	12.5	ND	NA	12.5	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	15.0	ND	ND	15.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.6	San Onofre 6	TCM	03/12/91	ND	ND	ND	4.0	ND	2.3	1.2	2.4	ND	9.9	ND	ND	ND
744.6	San Onofre 6	TCM	10/24/91	ND	NA	ND	4.6	ND	ND	ND	ND	ND	4.6	ND	ND	NA
744.6	San Onofre 6	TCM	03/25/92	ND	NA	ND	5.2	ND	1.8	1.2	3.0	ND	11.2	ND	ND	NA
748.0	Oceanside/Harbor	TCM	01/05/93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	Oceanside/Harbor	TCM	12/21/91	ND	NA	ND	6.8	ND	ND	2.7	4.5	ND	14.0	ND	ND	NA
750.0	Oceanside	RCM	12/21/87	ND	ND	ND	ND	ND	ND	2.0	3.9	ND	5.9	ND	ND	ND
750.0	Oceanside	RCM	12/20/88	ND	ND	ND	3.5	ND	4.2	ND	3.8	ND	11.5	ND	ND	ND
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	10.4	ND	7.0	1.7	2.6	ND	21.7	ND	ND	ND
750.0	Oceanside	RCM	12/22/90	ND	ND	ND	2.4	ND	3.1	1.1	2.5	ND	9.1	ND	ND	ND
750.0	Oceanside	RCM	12/21/91	ND	NA	ND	2.5	ND	ND	ND	ND	ND	2.5	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
744.6	ND	ND	ND	89.0	ND	9.2	ND	7.0	105.2	ND	ND	1.7	ND	ND	ND	ND	ND	ND	1.7
744.6	ND	ND	5.6	74.0	ND	ND	ND	ND	79.6	ND	NA	6.1	ND	ND	ND	ND	ND	ND	ND
744.6	ND	7.7	11.0	120.0	ND	4.0	ND	ND	142.7	ND	NA	6.5	ND	ND	ND	ND	ND	ND	1.9
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
748.0	ND	10.0	10.0	130.0	ND	ND	ND	ND	150.0	ND	NA	4.4	ND	ND	ND	ND	ND	ND	ND
750.0	ND	3.3	ND	41.0	ND	4.8	ND	ND	51.1	ND	ND	2.0	3.1	ND	53.0	56.1	ND	ND	5.0
750.0	ND	7.1	ND	37.0	ND	ND	ND	ND	44.1	ND	ND	4.3	5.0	ND	ND	5.0	ND	ND	5.0
750.0	ND	7.8	ND	33.0	ND	9.6	ND	ND	50.4	ND	ND	4.3	1.7	NA	NA	1.7	ND	ND	3.5
750.0	ND	11.0	ND	31.0	ND	ND	ND	ND	42.0	ND	ND	ND	1.0	ND	ND	1.0	ND	ND	1.3
750.0	ND	ND	ND	34.0	ND	ND	ND	ND	34.0	ND	NA	1.7	1.4	ND	ND	1.4	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	22.0	ND	ND	22.0	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	ND	ND	40.0	NA	ND	NA
748.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1900.0
748.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	400.0	ND	ND	400.0	NA	ND	1500.0
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	50.0	ND	NA	50.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	64.3	ND	NA	64.3	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	54.0	ND	ND	54.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	19.0	ND	ND	19.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
750.0	Oceanside	RCM	09/09/92	ND	NA	ND	3.0	ND	3.2	1.2	2.0	ND	9.4	ND	ND	NA
751.0	Oceanside/Transplant	SED	12/22/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	Inner Agua Hedionda	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	La Jolla	RCM	12/22/90	ND	ND	ND	1.7	ND	1.7	ND	1.1	ND	4.5	ND	ND	ND
832.0	La Jolla	RCM	11/26/91	ND	NA	ND	1.7	ND	2.0	ND	ND	ND	3.7	ND	ND	NA
832.0	La Jolla	RCM	01/05/93	ND	NA	ND	2.9	ND	2.4	ND	1.9	ND	7.2	ND	ND	NA
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	ND	ND	ND	2.0	ND	2.2	1.1	1.6	ND	6.9	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	12.2	ND	7.2	6.5	6.5	2.2	34.5	ND	ND	ND
866.0	Fisherman Channel	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
866.0	Fisherman Channel	TCM	12/22/90	ND	ND	ND	3.5	ND	3.2	2.4	2.3	ND	11.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
750.0	ND	3.0	3.3	59.0	ND	5.3	ND	ND	70.6	ND	NA	2.4	1.1	ND	ND	1.1	ND	ND	1.8
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
832.0	ND	ND	ND	6.9	ND	ND	ND	ND	6.9	ND	ND	1.0	ND	NA	NA	ND	ND	ND	2.4
832.0	ND	ND	ND	11.0	ND	ND	ND	ND	11.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	2.4
832.0	ND	ND	ND	18.0	ND	ND	ND	ND	18.0	ND	NA	3.2	ND	ND	ND	ND	ND	ND	ND
838.2	ND	ND	ND	16.0	ND	ND	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
865.0	ND	4.3	ND	6.5	ND	ND	ND	ND	10.8	ND	ND	10.8	ND	ND	ND	ND	ND	ND	ND
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
866.0	ND	3.6	ND	12.0	ND	ND	ND	ND	15.6	ND	ND	2.1	ND	NA	NA	ND	ND	ND	1.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
750.0	ND	ND	1.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	48.0	ND	ND	48.0	NA	ND	NA
751.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	550.0
753.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	56.9
832.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	35.0	ND	ND	35.0	NA	ND	NA
838.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	17.3	ND	NA	17.3	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	63.0	ND	ND	63.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
868.5	Mission Bay/Landfill 1	SED	09/01/89	ND	ND	ND	ND	ND	0.3	ND	ND	ND	0.3	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	6.5	ND	5.0	3.6	1.4	ND	16.5	ND	ND	ND
868.5	Mission Bay/Landfill 1	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/22/90	ND	ND	ND	4.0	ND	3.5	3.1	2.9	ND	13.5	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/91	ND	NA	ND	7.5	ND	1.9	3.4	4.4	ND	17.2	ND	ND	NA
868.6	Mission Bay/Landfill 2	SED	09/03/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.6	Mission Bay/Landfill 2	TCM	12/21/91	ND	NA	ND	6.6	ND	4.3	3.0	3.6	ND	17.5	ND	ND	NA
881.3	Sweetwater River/Mouth 1	SED	09/07/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	ND	ND	ND	7.6	ND	5.1	4.4	5.0	ND	22.1	ND	ND	ND
881.3	Sweetwater River/Mouth 1	SED	08/31/91	ND	NA	ND	1.4	ND	0.6	ND	ND	ND	2.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	4.3	ND	18.0	ND	ND	ND	ND	22.3	ND	ND	5.0	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	ND	ND	ND	4.3	ND	ND	4.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
868.5	ND	4.7	ND	16.0	ND	ND	ND	ND	20.7	ND	ND	2.8	ND	NA	NA	ND	ND	ND	ND
868.5	ND	ND	ND	59.0	ND	ND	ND	ND	59.0	ND	NA	6.0	ND	ND	ND	ND	ND	ND	ND
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
868.6	ND	ND	6.9	40.0	ND	ND	ND	3.0	49.9	ND	NA	5.7	ND	ND	ND	ND	ND	ND	ND
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
881.3	ND	17.0	ND	30.0	ND	5.4	ND	ND	52.4	ND	ND	1.0	ND	NA	NA	ND	ND	ND	ND
881.3	ND	0.8	ND	3.0	ND	1.5	ND	ND	5.3	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	154.0	17.5	22.2	NA	193.7	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	93.5	ND	NA	93.5	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	85.0	ND	ND	85.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	220.0	ND	ND	220.0	NA	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
868.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	190.0	ND	ND	190.0	NA	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	250.0	ND	ND	250.0	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	40.0	37.0	ND	77.0	NA	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	ND	NA	ND	9.5	ND	3.5	4.9	6.3	ND	24.2	ND	ND	NA
881.4	Sweetwater River/Mouth 2	SED	08/31/91	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	ND	ND	ND	11.0	ND	12.0	3.2	8.1	ND	34.3	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	ND	ND	ND	14.0	ND	8.0	3.0	13.0	ND	38.0	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	ND	NA	ND	16.0	ND	14.0	12.0	13.0	4.8	59.8	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	16.0	ND	9.6	7.0	9.9	ND	42.5	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	17.0	ND	7.1	6.9	5.1	1.9	38.0	ND	ND	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	ND	ND	1.6	24.0	ND	14.0	7.7	26.0	ND	73.3	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
881.3	ND	ND	7.5	40.0	ND	ND	ND	ND	47.5	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
881.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
882.7	ND	6.5	16.0	19.0	ND	23.0	ND	ND	64.5	ND	ND	5.2	ND	NA	NA	ND	ND	ND	ND
882.7	ND	15.0	19.0	37.0	ND	5.6	ND	ND	76.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
882.7	ND	7.7	ND	23.0	ND	6.0	ND	7.4	44.1	ND	NA	10.0	ND	ND	ND	ND	ND	ND	ND
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	ND	6.8	12.0	36.0	ND	13.0	ND	ND	67.8	ND	NA	7.1	ND	ND	ND	ND	ND	ND	ND
882.8	ND	7.0	20.0	42.0	ND	11.0	ND	ND	80.0	ND	NA	6.3	ND	ND	ND	ND	ND	ND	1.1
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.1	ND	32.0	12.0	39.0	ND	7.8	ND	ND	90.8	ND	ND	4.1	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	290.0	ND	ND	290.0	NA	ND	NA
881.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	740.0	ND	NA	740.0	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1500.0	ND	NA	1500.0	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	740.0	ND	ND	740.0	NA	ND	NA
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	790.0	210.0	ND	1000.0	NA	ND	1100.0
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	110.0	1100.0	200.0	ND	1410.0	NA	ND	1300.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1100.0	ND	NA	1100.0	NA	NA	NA
883.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	820.0	ND	NA	820.0	ND	ND	NA

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	ND	NA	ND	11.0	ND	7.8	8.1	8.4	ND	35.3	ND	ND	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	ND	ND	ND	1.3	ND	1.5	ND	ND	ND	2.8	ND	ND	ND
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	ND	NA	ND	1.3	ND	1.7	ND	1.0	ND	4.0	ND	ND	NA
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	ND	NA	ND	8.7	ND	6.3	7.7	6.3	2.5	31.5	ND	ND	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	ND	ND	ND	ND	ND	8.0	5.2	12.0	ND	25.2	ND	ND	ND
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	San Diego Bay/Evans Street	SED	09/07/90	ND	ND	ND	2.9	ND	3.8	1.5	3.5	ND	11.7	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
883.4	2.7	4.2	ND	20.0	ND	ND	ND	5.1	32.0	ND	NA	5.1	ND	ND	ND	ND	ND	ND	ND
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
883.6	ND	2.0	1.4	3.7	ND	ND	ND	ND	7.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
883.7	ND	3.2	ND	17.0	ND	ND	ND	ND	20.2	ND	NA	5.6	ND	ND	ND	ND	ND	ND	ND
885.2	ND	24.0	6.5	28.0	7.7	16.0	ND	ND	82.2	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	ND	5.9	ND	12.0	ND	ND	ND	ND	17.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
883.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	820.0	ND	ND	820.0	NA	ND	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	780.0	ND	NA	780.0	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1300.0	ND	NA	1300.0	NA	NA	NA
883.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	50.0	160.0	170.0	210.0	ND	ND	NA
883.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	92.0	110.0	ND	202.0	NA	ND	NA
883.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	570.0	19.0	ND	590.0	NA	ND	NA
885.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	860.0	ND	NA	860.0	ND	ND	NA
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.0	ND	NA	880.0	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	NA	NA
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	180.0	2000.0	750.0	11000.0	2930.0	ND	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
887.0	San Diego Bay/Evans Street	TCM	12/22/90	ND	ND	ND	11.0	ND	8.6	5.0	7.4	ND	32.0	ND	ND	ND
887.0	San Diego Bay/Evans Street	TCM	12/21/91	ND	NA	ND	13.0	ND	7.2	5.7	9.8	1.4	37.1	ND	ND	NA
887.0	San Diego Bay/Evans Street	TCM	01/05/93	ND	NA	ND	14.0	ND	15.0	12.0	13.0	3.8	57.8	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	ND	NA	ND	24.0	ND	18.0	13.0	22.0	3.9	80.9	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	ND	NA	ND	13.0	ND	8.4	8.3	7.0	2.9	39.6	ND	ND	NA
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	ND	NA	ND	21.0	ND	19.0	13.0	17.0	2.9	72.9	5.8	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	ND	ND	9.0	29.2	ND	25.0	9.7	22.9	ND	95.8	29.9	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	09/07/90	2.4	ND	6.2	14.0	7.5	22.0	3.5	12.0	ND	65.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
887.0	ND	12.0	24.0	ND	ND	4.0	ND	ND	40.0	ND	ND	5.0	ND	NA	NA	ND	ND	ND	ND
887.0	ND	11.0	7.6	40.0	ND	ND	ND	ND	58.6	ND	NA	4.8	ND	ND	ND	ND	ND	ND	ND
887.0	5.6	7.1	ND	27.0	ND	6.1	ND	9.8	55.6	ND	NA	7.4	ND	ND	ND	ND	ND	ND	ND
888.0	ND	5.8	8.8	43.0	ND	ND	ND	ND	57.6	ND	NA	4.4	ND	ND	ND	ND	ND	ND	ND
888.0	ND	6.2	ND	20.0	ND	ND	ND	ND	26.2	ND	NA	14.0	ND	ND	ND	ND	ND	ND	ND
893.0	ND	4.2	ND	29.0	ND	13.0	ND	9.2	55.4	ND	NA	9.1	ND	ND	ND	ND	ND	ND	ND
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	43.8	145.8	68.7	52.1	ND	ND	41.0	22.2	373.6	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND
894.0	81.0	240.0	260.0	51.0	ND	4.7	13.0	48.0	697.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	370.0	ND	ND	370.0	ND	ND	NA
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	810.0	ND	ND	810.0	NA	ND	780.0
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1300.0	ND	ND	1300.0	NA	ND	1000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1300.0	ND	ND	1300.0	NA	ND	1300.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	570.0	ND	ND	570.0	NA	ND	600.0
893.0	ND	ND	2.0	ND	2.7	ND	ND	NA	NA	ND	NA	180.0	1100.0	ND	ND	1300.0	NA	ND	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7500.0	4400.0	ND	NA	11900.0	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8800.0	9700.0	ND	NA	18500.0	NA	NA	NA
894.0	ND	ND	6.2	ND	ND	ND	ND	ND	ND	NA	NA	3680.6	4791.7	48.6	NA	8472.2	ND	ND	899.9
894.0	ND	ND	ND	ND	ND	7.4	ND	ND	ND	15.0	NA	42000.0	ND	15000.0	700.0	57000.0	ND	ND	100.0

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	ND	ND	ND	19.0	ND	14.0	5.1	14.0	ND	52.1	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	SED	08/31/91	ND	NA	3.5	32.0	5.7	35.0	5.4	17.0	ND	98.6	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	20.0	NA	ND	15.0	ND	15.0	5.8	13.0	ND	48.8	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	1.7	NA	ND	19.0	1.1	17.0	8.9	8.0	2.7	56.7	ND	ND	NA
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	ND	NA	ND	9.7	ND	8.2	7.7	7.8	ND	33.4	4.1	ND	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
894.0	26.0	69.0	ND	38.0	ND	5.2	ND	ND	138.2	ND	ND	5.0	ND	NA	NA	ND	ND	ND	ND
894.0	100.0	450.0	380.0	630.0	2.0	57.0	21.0	44.0	1684.0	ND	NA	1.3	ND	ND	ND	ND	ND	ND	ND
894.0	45.0	98.0	73.0	120.0	ND	17.0	ND	18.0	371.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
894.0	23.0	56.0	ND	32.0	4.8	28.0	ND	9.0	152.8	27.0	NA	9.9	ND	ND	ND	ND	ND	ND	ND
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	ND	5.2	ND	18.0	ND	9.5	ND	ND	32.7	ND	NA	5.0	ND	ND	ND	ND	ND	ND	ND
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.5	NA	4500.0	4600.0	ND	ND	9100.0	ND	ND	NA
894.0	ND	ND	ND	ND	ND	5.1	ND	NA	NA	12.0	NA	86000.0	ND	21000.0	ND	107000.0	NA	ND	2210.0
894.0	ND	ND	ND	13.0	ND	ND	ND	NA	NA	ND	NA	3300.0	4900.0	ND	ND	8200.0	NA	ND	470.0
894.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	3600.0	2700.0	ND	ND	6300.0	NA	ND	0.9
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	320.0	2700.0	ND	NA	3020.0	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100.0	4400.0	ND	NA	5500.0	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3900.0	9200.0	ND	NA	13100.0	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1400.0	ND	NA	1400.0	NA	NA	NA
895.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	88.0	520.0	ND	ND	610.0	NA	ND	NA
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2200.0	ND	NA	2200.0	NA	NA	10272.0

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APPENDIX O (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	ND	NA	ND	20.0	ND	23.0	13.0	16.0	4.4	76.4	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	ND	NA	ND	11.0	ND	5.7	3.8	7.8	1.3	29.6	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	ND	NA	ND	5.3	ND	3.9	2.6	2.5	1.3	15.6	ND	ND	NA
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	ND	NA	ND	25.0	ND	19.0	14.0	15.0	5.0	78.0	6.2	ND	NA
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	San Diego Bay/Degausing Station	SED	09/07/90	ND	ND	ND	1.1	ND	1.2	ND	1.0	ND	3.3	ND	ND	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	ND	NA	ND	6.6	ND	1.9	1.3	2.3	ND	12.1	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Ethion	alpha-HCH
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	18.0	28.0	4.3	89.0	7.9	28.0	ND	14.0	189.2	ND	NA	11.0	ND	ND	ND	ND	ND	ND	ND
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
899.0	5.6	10.0	7.9	46.0	ND	ND	ND	ND	69.5	ND	NA	8.4	ND	ND	ND	ND	ND	ND	1.7
899.0	ND	5.6	ND	23.0	ND	ND	ND	ND	28.6	ND	NA	5.8	ND	ND	ND	ND	ND	ND	ND
899.2	5.0	8.8	7.0	44.0	ND	9.5	ND	14.0	88.3	ND	NA	16.0	ND	ND	ND	ND	ND	ND	ND
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
901.0	ND	ND	4.5	36.0	ND	ND	ND	ND	40.5	ND	NA	4.7	ND	ND	ND	ND	ND	ND	1.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3600.0	ND	NA	3600.0	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6287.6
898.0	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	NA	ND	2200.0	ND	ND	2200.0	NA	ND	9800.0
899.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1100.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	94.0	ND	574.0	NA	ND	500.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	340.0	ND	ND	340.0	NA	ND	900.0
899.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	ND	ND	1400.0	NA	ND	5700.0
899.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30260.8
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
901.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	270.0	78.0	ND	348.0	NA	ND	260.0

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ND = Not Detected

APPENDIX P

Summary of 1987-93 Data

Organic Chemicals in Mussels and Clams

(ppb, lipid weight)

(See Appendix DD for corrected phenol data from 1984-85 and 1986-87)

APPENDIX P

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	ND	ND	151.7	ND	165.3	ND	199.2	ND	516.7	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	118.2	ND	63.6	18.2	54.5	ND	254.5	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	ND	ND	ND	52.3	ND	ND	ND	ND	ND	52.3	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	03/12/92	ND	NA	ND	240.0	ND	190.0	ND	180.0	ND	610.0	ND	ND	NA
3.0	Crescent City/Control	RCM	02/12/88	ND	ND	ND	29.9	ND	ND	ND	ND	ND	29.9	ND	ND	ND
3.0	Crescent City/Control	RCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	37.5	ND	ND	ND	ND	ND	37.5	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	ND	ND	ND	57.3	ND	ND	ND	ND	ND	57.3	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
2.0	ND	67.9	ND	271.6	ND	565.9	ND	ND	982.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	117.7
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	129.4	30.6	NA	NA	30.6	ND	ND	ND
2.0	ND	90.9	ND	263.6	ND	100.0	ND	ND	454.5	ND	ND	63.6	ND	NA	NA	ND	ND	ND	45.5
2.0	ND	ND	ND	237.8	ND	ND	ND	ND	237.8	ND	ND	148.9	ND	ND	ND	ND	ND	ND	ND
2.0	ND	ND	ND	1000.0	ND	140.0	ND	ND	1140.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	36.0
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86.8	ND	ND	ND	ND	ND	ND	80.8
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	128.3	ND	NA	NA	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.5	ND	NA	NA	ND	ND	ND	87.5
3.0	ND	ND	ND	260.7	ND	ND	ND	ND	260.7	ND	ND	122.5	ND	NA	NA	ND	ND	ND	104.3
3.0	ND	ND	ND	120.0	ND	ND	ND	ND	120.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	68.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
2.0	ND	ND	117.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
2.0	ND	ND	18.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	290.9	ND	NA	290.9	ND	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
2.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	840.0	ND	ND	840.0	NA	ND	NA
3.0	104.8	ND	38.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	25.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
3.0	ND	ND	28.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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TFC = Transplanted Fresh Water Clam
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NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
10.0	Trinidad Head	RCM	09/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/20/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	ND	ND	ND	59.7	ND	ND	ND	ND	ND	59.7	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	ND	NA	ND	85.0	ND	60.0	ND	19.0	ND	164.0	ND	ND	NA
10.0	Trinidad Head	RCM	10/22/92	ND	NA	ND	40.0	ND	ND	ND	ND	ND	40.0	ND	ND	NA
99.0	Mad River/Oyster Docks	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	Mad River Slough	TCM	02/12/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/27/91	ND	ND	ND	32.4	ND	ND	ND	ND	ND	32.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	NA	ND	ND	NA	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.7	ND	NA	NA	ND	ND	ND	149.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.8	ND	NA	NA	ND	ND	ND	100.0
10.0	ND	ND	ND	254.4	ND	ND	ND	ND	254.4	ND	ND	50.2	ND	ND	ND	ND	ND	ND	304.6
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	54.0	ND	ND	ND	ND	ND	ND	130.0
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	41.0	ND	ND	ND	ND	ND	ND	84.0
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.6	ND	NA	NA	ND	ND	ND	55.7
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.9	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
10.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	716.0
10.0	63.8	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
10.0	81.2	ND	18.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.1	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	31.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
99.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
100.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102.0	ND	ND	ND	ND	ND	ND	ND	NA

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ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
100.0	Mad River Slough	TCM	02/25/92	ND	NA	ND	41.0	ND	ND	ND	ND	ND	41.0	ND	ND	NA
101.0	Samoa Bridge/West	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	Samoa Bridge/West	TCM	02/27/91	ND	ND	ND	28.2	ND	ND	ND	ND	ND	28.2	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/27/91	ND	ND	ND	41.0	ND	ND	ND	ND	ND	41.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	ND	NA	ND	36.0	ND	23.0	ND	17.0	ND	76.0	ND	ND	NA
102.5	Woodley Island	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	Eureka Channel	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/25/92	ND	NA	ND	19.0	ND	ND	ND	ND	ND	19.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
100.0	ND	ND	ND	41.0	ND	ND	ND	ND	41.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	27.0
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.2	ND	NA	NA	ND	ND	ND	47.9
102.0	ND	ND	ND	81.4	ND	ND	ND	ND	81.4	ND	ND	76.7	ND	NA	NA	ND	ND	ND	67.4
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	69.7
102.0	ND	ND	ND	130.0	ND	ND	ND	ND	130.0	ND	NA	72.0	ND	ND	ND	ND	ND	ND	25.0
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.0	ND	ND	ND	81.6	ND	ND	ND	ND	81.6	ND	ND	43.8	ND	NA	NA	ND	ND	ND	63.7
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	34.3
103.0	ND	ND	ND	69.0	ND	ND	ND	ND	69.0	ND	NA	43.0	ND	ND	ND	ND	ND	ND	20.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
100.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	150.0	ND	ND	150.0	NA	ND	NA
101.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
101.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.6	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	604.5	ND	NA	604.5	ND	ND	NA
102.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
102.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	520.0	ND	ND	520.0	NA	ND	NA
102.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17130.0
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	517.2	ND	NA	517.2	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	360.0	ND	ND	360.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
103.0	Eureka Channel	TCM	02/17/93	ND	NA	ND	17.0	ND	16.0	ND	ND	ND	33.0	ND	ND	NA
103.2	Louisiana Pacific Dock	TCM	02/11/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	E Street	TCM	02/27/91	ND	ND	ND	26.9	ND	ND	ND	ND	ND	26.9	ND	ND	ND
103.3	E Street	TCM	02/25/92	ND	NA	ND	40.0	ND	31.0	ND	ND	ND	71.0	ND	ND	NA
103.7	Eda Dock	TCM	02/27/91	ND	ND	ND	30.0	ND	27.2	ND	ND	ND	57.2	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	ND	NA	ND	16.0	ND	14.0	ND	ND	ND	30.0	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/12/88	ND	ND	ND	25.1	ND	ND	ND	ND	ND	25.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
103.0	ND	ND	ND	48.0	ND	ND	ND	ND	48.0	ND	NA	42.0	ND	ND	ND	ND	ND	ND	ND
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	91.6	ND	ND	ND	ND	91.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	37.7
103.3	ND	ND	ND	210.0	ND	ND	ND	ND	210.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	22.0
103.7	ND	ND	ND	149.8	ND	ND	ND	ND	149.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	65.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	25.5	ND	NA	NA	ND	ND	NA	ND
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.3	ND	NA	NA	ND	ND	ND	44.4
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	68.0
104.0	ND	ND	ND	71.0	ND	ND	ND	ND	71.0	ND	NA	57.0	ND	ND	ND	ND	ND	ND	27.0
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.7	ND	ND	ND	ND	ND	ND	98.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
103.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
103.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
103.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1427.6	ND	ND	1427.6	ND	ND	NA
103.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4000.0	ND	ND	4000.0	NA	ND	NA
103.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	160.0	ND	ND	160.0	NA	ND	NA
104.5	ND	ND	25.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
104.5	Eureka STP/Control	TCM	02/17/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	ND	NA	ND	29.0	ND	ND	ND	ND	ND	29.0	ND	ND	NA
104.5	Eureka STP/Control	TCM	02/17/93	ND	NA	ND	19.0	ND	ND	ND	ND	ND	19.0	ND	ND	NA
106.0	Fields Landing	TCM	02/27/91	ND	ND	ND	29.5	ND	21.1	ND	ND	ND	50.5	ND	ND	ND
155.1	Lake Pillsbury 1	TFC	03/31/93	ND	NA	ND	29.0	ND	15.0	21.0	34.0	15.0	114.0	ND	ND	NA
155.3	Lake Pillsbury 2	TFC	03/31/93	ND	NA	ND	25.0	ND	15.0	19.0	11.0	27.0	97.0	ND	ND	NA
159.0	Russian River West Fork	TFC	03/06/92	ND	NA	ND	28.0	69.0	41.0	47.0	50.0	21.0	256.0	85.0	ND	NA
159.0	Russian River West Fork	TFC	03/30/93	ND	NA	ND	24.0	ND	15.0	17.0	11.0	ND	67.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
104.5	ND	ND	ND	79.1	ND	ND	ND	ND	79.1	ND	ND	21.8	ND	NA	NA	ND	ND	ND	63.3
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.3	ND	NA	NA	ND	ND	ND	36.4
104.5	ND	ND	ND	65.5	ND	ND	ND	ND	65.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	50.2
104.5	ND	ND	ND	91.0	ND	ND	ND	ND	91.0	ND	NA	75.0	ND	ND	ND	ND	ND	ND	36.0
104.5	ND	ND	ND	83.0	ND	ND	ND	ND	83.0	ND	NA	62.0	ND	ND	ND	ND	ND	ND	22.0
106.0	ND	ND	ND	273.7	ND	ND	ND	ND	273.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	71.6
155.1	30.0	99.0	53.0	730.0	ND	ND	ND	ND	912.0	ND	NA	ND	ND	39.0	ND	39.0	ND	ND	ND
155.3	ND	97.0	46.0	650.0	ND	ND	ND	40.0	833.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
159.0	ND	61.0	54.0	1800.0	ND	78.0	ND	ND	1993.0	ND	NA	ND	26.0	77.0	180.0	283.0	ND	ND	ND
159.0	ND	74.0	38.0	550.0	ND	32.0	ND	36.0	730.0	ND	NA	ND	7.0	ND	ND	7.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	197.8	ND	NA	197.8	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
104.5	ND	ND	19.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
104.5	ND	ND	24.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.5	ND	ND	ND	ND	ND	ND	ND	NA
155.1	ND	ND	41.0	ND	ND	4.2	ND	NA	NA	ND	NA	ND	870.0	ND	ND	870.0	NA	ND	NA
155.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	650.0	ND	ND	650.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	4100.0	ND	5500.0	NA	ND	NA
159.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	530.0	ND	ND	530.0	NA	ND	NA

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RBM = Resident Bay Mussel
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NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	13.6	ND	ND	ND	ND	ND	13.6	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	112.1	ND	120.7	181.0	129.3	ND	543.1	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	ND	NA	ND	120.0	ND	77.0	160.0	240.0	ND	597.0	ND	ND	NA
165.0	Russian River Below Ukiah	TFC	03/30/93	6.0	NA	4.8	60.0	9.6	66.0	17.0	36.0	ND	193.4	300.0	ND	NA
175.0	Big Sulfur Creek	TFC	03/30/93	ND	NA	ND	36.0	ND	41.0	28.0	39.0	ND	144.0	ND	ND	NA
176.0	Lake Sonoma	TFC	03/30/93	ND	NA	ND	25.0	ND	21.0	23.0	11.0	11.0	91.0	ND	26.0	NA
190.0	Estero Americano	RCM	12/05/88	ND	ND	ND	34.0	ND	28.4	ND	ND	ND	62.4	ND	ND	ND
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	75.0	ND	37.5	ND	37.5	25.0	175.0	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	ND	ND	ND	40.0	ND	28.6	ND	ND	ND	68.6	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	NA	ND	51.0	ND	35.0	ND	42.0	45.0	173.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
160.0	ND	113.1	ND	131.2	ND	176.5	ND	ND	420.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	103.4	ND	1034.5	ND	405.2	ND	ND	1543.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	1600.0	110.0	250.0	ND	ND	1960.0	ND	NA	ND	24.0	75.0	190.0	289.0	ND	ND	ND
165.0	ND	86.0	37.0	650.0	41.0	170.0	ND	50.0	1034:0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	110.0	62.0	820.0	ND	ND	ND	62.0	1054.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
176.0	ND	83.0	45.0	650.0	ND	ND	ND	ND	778.0	ND	NA	11.0	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	133.3	45.4	NA	NA	45.4	ND	ND	175.8
190.0	ND	ND	ND	137.5	ND	ND	ND	ND	137.5	ND	ND	162.5	ND	NA	NA	ND	ND	ND	75.0
190.0	ND	ND	ND	88.6	ND	ND	ND	ND	88.6	ND	ND	142.9	ND	ND	ND	ND	ND	ND	137.1
190.0	ND	ND	ND	250.0	ND	ND	ND	ND	250.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	78.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1206.9	267.2	NA	1474.1	ND	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	930.0	1600.0	ND	2530.0	NA	ND	NA
165.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	280.0	510.0	ND	ND	790.0	NA	ND	NA
175.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	ND	ND	1000.0	NA	ND	NA
176.0	ND	ND	33.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	75.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
190.0	ND	ND	20.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	56.6	ND	ND	ND	ND	ND	56.6	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	40.0	ND	40.0	ND	ND	ND	ND	ND	40.0	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	39.6	ND	ND	ND	ND	ND	39.6	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	ND	ND	ND	177.6	ND	65.6	ND	ND	ND	243.3	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	ND	NA	ND	69.0	ND	42.0	ND	ND	ND	111.0	ND	ND	NA
202.0	Bodega Head	RCM	09/01/92	ND	NA	ND	ND	ND	33.0	ND	ND	ND	33.0	ND	ND	NA
203.0	Tomales Bay	RBM	01/29/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	12/30/91	ND	NA	ND	24.0	ND	ND	ND	21.0	ND	45.0	ND	ND	NA
204.0	Estero De San Antonio	TCM	02/26/93	ND	NA	ND	160.0	ND	76.0	ND	46.0	ND	282.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
202.0	ND	ND	ND	93.4	ND	ND	ND	ND	92.8	ND	ND	195.3	ND	ND	ND	ND	ND	ND	101.9
202.0	ND	ND	ND	138.0	ND	ND	ND	ND	138.0	ND	ND	270.5	ND	ND	ND	ND	ND	ND	183.9
202.0	ND	ND	ND	360.0	ND	ND	ND	ND	360.0	ND	ND	120.0	ND	ND	ND	ND	ND	ND	140.0
202.0	ND	ND	ND	158.4	ND	ND	ND	ND	158.4	ND	ND	118.8	ND	ND	ND	ND	ND	ND	59.4
202.0	ND	ND	ND	463.3	ND	ND	ND	ND	463.3	ND	ND	501.9	ND	ND	ND	ND	ND	ND	127.4
202.0	ND	ND	ND	230.0	ND	ND	ND	ND	230.0	ND	NA	290.0	ND	ND	ND	ND	ND	ND	390.0
202.0	ND	ND	ND	150.0	ND	ND	ND	ND	150.0	ND	NA	380.0	ND	ND	ND	ND	ND	ND	100.0
203.0	ND	ND	ND	131.6	ND	ND	ND	ND	131.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	200.0	ND	ND	ND	ND	200.0	ND	NA	16.0	ND	ND	ND	ND	ND	ND	30.0
204.0	ND	ND	ND	240.0	ND	ND	ND	ND	240.0	ND	NA	370.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	439.0
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	32.8	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	60.0	ND	ND	ND	NA	ND	ND	ND	8896.0
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.5	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	30.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	57.0	32.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
203.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
203.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	200.0	ND	ND	200.0	NA	ND	NA
204.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	ND	ND	ND	ND	ND	ND	ND	17.6	ND	17.6	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	ND	NA	ND	ND	ND	34.0	ND	35.0	ND	69.0	ND	ND	NA
205.0	Bodega Harbor/Spud Point Marina	TCM	03/02/93	ND	NA	ND	26.0	ND	15.0	ND	16.0	ND	57.0	ND	ND	NA
207.0	Point Reyes	RCM	01/29/91	ND	ND	ND	77.4	ND	48.7	ND	ND	ND	126.1	ND	ND	ND
280.0	Russian River/S Goat Rock	TCM	02/25/93	ND	NA	ND	110.0	ND	67.0	ND	51.0	44.0	272.0	ND	ND	NA
290.0	Russian River/near Moscow	TFC	03/30/93	ND	NA	ND	41.0	ND	33.0	27.0	32.0	7.4	140.4	130.0	39.0	NA
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	NA	ND	250.0	40.0	150.0	96.0	370.0	25.0	931.0	88.0	ND	NA
294.5	Green Valley Creek 1	TFC	03/30/93	ND	NA	ND	28.0	ND	28.0	24.0	23.0	ND	103.0	210.0	ND	NA
294.6	Green Valley Creek 2	TFC	03/30/93	ND	NA	ND	62.0	ND	40.0	36.0	38.0	37.0	213.0	2000.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
205.0	ND	ND	ND	204.3	ND	ND	ND	ND	204.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	15.7
205.0	ND	ND	ND	193.3	ND	ND	ND	ND	193.3	ND	ND	19.3	ND	NA	NA	ND	ND	ND	ND
205.0	ND	ND	58.0	330.0	ND	ND	ND	ND	388.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	25.0
205.0	ND	ND	ND	220.0	ND	ND	ND	ND	220.0	ND	NA	54.0	ND	ND	ND	ND	ND	ND	ND
207.0	ND	ND	ND	186.3	ND	ND	ND	ND	186.3	ND	ND	344.0	ND	NA	NA	ND	ND	ND	65.9
280.0	ND	84.0	ND	580.0	ND	180.0	ND	ND	844.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	42.0
290.0	39.0	97.0	51.0	720.0	ND	41.0	ND	51.0	999.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.2	250.0	310.0	ND	1300.0	130.0	1300.0	ND	ND	3290.0	ND	NA	46.0	ND	ND	200.0	200.0	ND	ND	ND
294.5	ND	82.0	59.0	790.0	ND	ND	ND	51.0	982.0	200.0	NA	ND	ND	ND	ND	ND	ND	ND	ND
294.6	700.0	570.0	110.0	2200.0	180.0	940.0	ND	120.0	4820.0	ND	NA	57.0	ND	ND	22.0	22.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2357.1	ND	NA	2357.1	ND	ND	NA
205.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1089.3	ND	ND	1089.3	ND	ND	14583.2
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	88.0	NA	ND	2400.0	ND	ND	2400.0	NA	ND	2400.0
205.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1400.0	ND	ND	1400.0	NA	ND	4000.0
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
280.0	25.0	ND	ND	ND	44.0	ND	ND	NA	NA	ND	NA	ND	680.0	ND	ND	680.0	NA	ND	NA
290.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	130.0	NA	ND	750.0	ND	ND	750.0	NA	ND	NA
294.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	1300.0	NA	ND	1300.0	ND	ND	1300.0	NA	ND	NA
294.5	ND	ND	25.0	ND	12.0	ND	ND	NA	NA	ND	NA	ND	780.0	ND	ND	780.0	NA	ND	NA
294.6	ND	9.5	38.0	ND	ND	5.4	ND	NA	NA	120.0	NA	270.0	780.0	ND	ND	1000.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	ND	43.2	1227.4	ND	725.3	543.9	1673.7	ND	4213.5	697.4	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	30.6	571.4	51.0	561.2	367.3	367.3	30.6	1979.6	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	ND	ND	42.0	508.4	66.3	375.8	265.3	530.5	22.1	1810.4	58.6	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	12/05/88	ND	ND	40.0	360.0	ND	173.3	100.0	306.7	ND	980.0	253.3	ND	933.3
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	41.7	183.3	41.7	183.3	141.7	158.3	ND	750.0	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	ND	ND	12.1	132.1	11.0	100.2	76.0	121.1	ND	452.5	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	12/05/88	ND	ND	24.3	265.9	ND	242.8	ND	393.1	ND	926.2	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	43.5	ND	43.5	58.0	115.9	ND	260.9	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	NA	ND	39.0	ND	30.0	29.0	85.0	ND	183.0	67.0	ND	NA
295.4	Russian River/Wholer Bridge	TFC	12/05/88	ND	ND	ND	48.2	ND	27.6	ND	71.6	ND	147.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
295.1	ND	ND	ND	725.3	ND	ND	ND	ND	725.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.1	ND	357.1	ND	622.4	ND	704.1	ND	ND	1683.7	ND	ND	71.4	ND	ND	ND	ND	ND	ND	ND
295.1	71.8	187.9	ND	386.8	ND	132.6	ND	ND	779.2	ND	ND	33.2	ND	NA	NA	ND	ND	ND	ND
295.2	ND	386.7	ND	266.7	ND	ND	ND	ND	653.3	ND	ND	16.0	ND	NA	NA	ND	ND	ND	ND
295.2	ND	75.0	ND	625.0	ND	100.0	ND	ND	800.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	82.6	ND	352.3	ND	78.2	ND	ND	513.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	ND	ND	716.9	ND	185.0	ND	ND	901.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.3	ND	87.0	ND	1072.5	ND	304.3	ND	ND	1463.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	1100.0	ND	ND	ND	ND	1100.0	ND	NA	29.0	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	606.2	ND	ND	ND	ND	606.2	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2371.1	ND	NA	2371.1	ND	ND	NA
295.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1122.4	ND	NA	1122.4	ND	ND	NA
295.1	ND	ND	ND	16.6	18.8	23.2	ND	ND	ND	ND	NA	ND	1326.3	ND	ND	1326.3	ND	ND	NA
295.2	ND	81.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	666.7	ND	NA	666.7	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	775.0	ND	NA	775.0	ND	ND	NA
295.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	594.5	NA	ND	715.7	ND	ND	715.7	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	925.0	ND	NA	925.0	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1188.4	ND	NA	1188.4	ND	ND	NA
295.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	200.0	NA	ND	570.0	2100.0	ND	2670.0	NA	ND	NA
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1102.2	ND	NA	1102.2	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	34.1	363.6	34.1	363.6	272.7	329.5	22.7	1420.5	102.3	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	ND	ND	ND	353.9	ND	222.5	141.6	262.9	ND	980.9	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	04/07/92	ND	NA	30.0	550.0	47.0	590.0	160.0	750.0	77.0	2204.0	420.0	330.0	NA
295.5	Russian River/Hacienda Bridge	TFC	12/05/88	ND	ND	ND	42.7	ND	54.9	ND	61.0	ND	158.6	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	155.2	ND	77.6	181.0	172.4	ND	586.2	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	NA	ND	130.0	ND	43.0	48.0	120.0	ND	341.0	ND	76.0	NA
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	31.5	ND	47.2	ND	78.7	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	ND	ND	352.0	ND	290.8	137.8	183.7	ND	964.3	ND	131.6	ND
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	ND	ND	355.2	ND	232.3	65.6	164.0	ND	817.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
295.4	ND	352.3	ND	1363.6	ND	386.4	ND	ND	2102.3	ND	ND	34.1	ND	ND	ND	ND	ND	ND	ND
295.4	101.1	273.0	ND	991.0	ND	131.5	ND	ND	1496.6	ND	ND	687.6	ND	ND	ND	ND	ND	ND	ND
295.4	140.0	490.0	ND	1100.0	ND	490.0	ND	ND	2220.0	ND	NA	190.0	ND	ND	ND	ND	ND	ND	18.0
295.5	ND	ND	ND	317.3	ND	45.2	ND	ND	362.4	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
295.5	ND	258.6	ND	1120.7	ND	224.1	ND	ND	1603.4	ND	ND	43.1	ND	ND	ND	ND	ND	ND	ND
295.5	120.0	180.0	ND	1400.0	ND	640.0	ND	ND	2340.0	ND	NA	150.0	ND	ND	ND	ND	ND	ND	ND
297.0	1496.1	4015.7	55.1	1811.0	ND	1181.1	566.9	1259.8	10385.8	ND	ND	110.2	ND	ND	ND	ND	ND	ND	ND
298.0	214.3	673.5	91.8	1683.7	ND	ND	ND	ND	2663.2	ND	ND	199.0	ND	ND	ND	183.7	ND	ND	23.0
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	132.5	724.2	ND	642.2	ND	116.1	ND	ND	1615.0	ND	ND	478.2	ND	NA	NA	ND	ND	ND	47.8

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
295.4	ND	ND	22.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	1250.0	ND	NA	1250.0	ND	ND	NA
295.4	ND	ND	111.2	ND	ND	ND	ND	ND	ND	ND	NA	ND	353.9	ND	ND	353.9	ND	ND	NA
295.4	ND	ND	100.0	ND	ND	ND	ND	NA	NA	1600.0	NA	ND	890.0	880.0	ND	1770.0	NA	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	427.1	ND	NA	427.1	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1206.9	ND	NA	1206.9	ND	ND	NA
295.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	290.0	NA	ND	1200.0	2400.0	ND	3600.0	NA	ND	NA
297.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	779.5	ND	NA	779.5	ND	ND	NA
298.0	ND	ND	81.1	ND	ND	52.0	ND	ND	ND	NA	NA	ND	2602.0	ND	NA	2602.0	ND	ND	NA
298.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3391.4	ND	NA	3391.4	NA	NA	NA
302.0	ND	ND	21.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	5465.3	ND	NA	5465.3	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
302.0	Point Pinole	TCM	01/14/88	ND	ND	ND	342.5	ND	315.0	ND	267.7	ND	925.2	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	ND	ND	ND	364.0	ND	308.0	ND	78.4	ND	750.4	ND	ND	ND
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	241.4	ND	206.9	69.0	103.4	ND	620.7	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	ND	ND	ND	197.2	ND	153.6	73.4	87.1	ND	511.3	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	ND	NA	ND	95.0	ND	83.0	54.0	74.0	ND	306.0	ND	ND	NA
302.0	Point Pinole	TCM	01/20/93	ND	NA	ND	82.0	ND	74.0	40.0	58.0	ND	254.0	46.0	29.0	NA
302.4	Castro Cove Bridge	TCM	01/18/88	227.4	ND	239.3	1435.9	37.1	1794.9	502.6	981.2	454.7	5445.3	ND	ND	ND
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	ND	ND	ND	296.5	ND	217.4	93.9	219.9	ND	827.6	ND	ND	ND
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	ND	ND	206.0	449.4	187.3	580.5	59.9	337.1	181.6	2002.4	ND	ND	ND
303.3	Lauritzen Canal/End	TCM	01/14/88	4188.5	ND	149.8	2706.4	241.6	2738.7	290.0	1933.2	ND	8059.5	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
302.0	307.1	1023.6	ND	1417.3	ND	472.4	ND	ND	3220.5	ND	ND	1141.7	ND	NA	NA	ND	ND	ND	110.2
302.0	ND	ND	ND	784.0	ND	ND	ND	ND	784.0	ND	ND	728.0	ND	NA	NA	ND	ND	ND	ND
302.0	ND	448.3	ND	551.7	ND	ND	ND	ND	1000.0	ND	ND	551.7	ND	NA	NA	ND	ND	ND	ND
302.0	ND	848.3	ND	573.2	ND	ND	ND	1490.2	2911.7	ND	ND	121.5	ND	ND	ND	ND	ND	ND	ND
302.0	ND	160.0	49.0	490.0	ND	ND	ND	ND	699.0	ND	NA	240.0	ND	ND	ND	ND	ND	ND	21.0
302.0	83.0	260.0	ND	320.0	ND	ND	ND	92.0	755.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
302.4	2752.1	2632.5	789.7	1435.9	ND	466.7	ND	1435.9	9512.8	NA	NA	1555.6	ND	NA	NA	ND	ND	NA	ND
303.1	864.7	2964.7	518.8	1680.0	938.8	2001.2	ND	247.1	9215.3	ND	ND	1507.1	ND	ND	ND	ND	ND	ND	27.2
303.2	7677.7	17415.2	955.0	9175.7	11048.3	18726.0	7115.9	6366.8	78480.7	ND	ND	10861.1	ND	NA	NA	ND	786.5	NA	ND
303.3	57995.3	161098.0	1933.2	43496.5	130489.4	177207.8	8538.2	3060.9	583819.1	ND	ND	69272.1	ND	ND	ND	154.2	7088.3	ND	628.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
302.0	ND	ND	55.1	55.1	ND	ND	ND	ND	ND	NA	NA	ND	3307.1	ND	NA	3307.1	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2604.0	ND	NA	2604.0	ND	ND	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1655.2	ND	NA	1655.2	ND	ND	14041.3
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1444.4	ND	ND	1444.4	ND	ND	6878.0
302.0	ND	ND	24.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1700.0	ND	ND	1700.0	NA	ND	NA
302.0	ND	ND	24.0	ND	ND	ND	ND	NA	NA	130.0	NA	ND	2000.0	ND	ND	2000.0	NA	ND	3000.0
302.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	4188.0	ND	NA	4188.0	NA	ND	NA
303.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2322.4	32117.6	ND	ND	34440.0	ND	ND	NA
303.2	NA	NA	NA	ND	ND	39.3	ND	NA	NA	NA	NA	2247.1	12733.7	ND	NA	14980.8	ND	ND	NA
303.3	157.9	483.3	154.7	ND	ND	ND	ND	257.8	ND	NA	NA	3222.0	19331.8	ND	NA	22553.7	ND	22553.7	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
303.3	Lauritzen Canal/End	TCM	03/22/91	1000.0	ND	ND	1555.6	ND	1583.3	333.3	861.1	ND	4333.3	ND	ND	ND
303.4	Santa Fe Channel/End	TCM	03/22/91	90.0	ND	ND	366.7	ND	333.3	91.7	250.0	ND	1041.7	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	ND	ND	ND	185.8	ND	156.1	ND	144.9	ND	486.6	ND	ND	ND
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	ND	ND	183.3	ND	104.4	ND	47.3	ND	335.0	141.9	ND	ND
304.4	Serl Intake	TCM	03/22/91	ND	ND	ND	271.1	ND	208.6	98.0	183.5	ND	761.3	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	ND	ND	ND	94.1	ND	74.8	44.9	68.4	ND	282.1	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	ND	NA	ND	80.0	ND	58.0	35.0	37.0	ND	210.0	ND	ND	NA
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	ND	NA	ND	58.0	ND	56.0	23.0	44.0	ND	181.0	ND	22.0	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	ND	ND	113.8	ND	125.2	ND	68.3	ND	307.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	ND	ND	202.2	ND	171.8	ND	82.9	ND	457.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
303.3	33333.3	94444.4	2583.3	36111.1	66666.7	138888.9	3333.3	5000.0	380361.1	ND	ND	27777.8	ND	ND	ND	ND	ND	ND	75.0
303.4	4333.3	15500.0	616.7	6666.7	5166.7	11333.3	1833.3	1833.3	47283.3	ND	ND	4166.7	ND	ND	ND	ND	ND	ND	23.3
303.6	353.1	1523.8	278.7	1207.9	223.0	353.1	ND	297.3	4571.3	ND	ND	1003.5	27.9	ND	ND	27.9	ND	ND	33.4
303.6	433.5	1359.7	236.5	729.1	197.1	335.0	532.1	187.2	4010.1	ND	ND	768.5	102.5	ND	ND	102.5	ND	ND	29.6
304.4	417.1	1564.3	ND	896.9	479.7	604.9	ND	250.3	4213.1	ND	ND	563.1	ND	ND	ND	ND	ND	ND	29.2
306.0	ND	299.3	87.6	256.5	ND	ND	ND	ND	643.4	ND	ND	177.4	ND	NA	NA	ND	ND	ND	38.5
306.0	80.0	280.0	50.0	390.0	ND	ND	ND	ND	800.0	ND	NA	160.0	ND	ND	ND	ND	ND	ND	28.0
306.0	63.0	170.0	16.0	320.0	ND	ND	ND	96.0	665.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	12.0
306.5	ND	ND	55.3	455.4	ND	ND	ND	ND	510.6	ND	ND	195.2	ND	NA	NA	ND	ND	ND	27.6
307.0	ND	465.0	60.7	444.8	ND	ND	ND	ND	970.4	ND	ND	303.3	ND	NA	NA	ND	ND	ND	32.3

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
303.3	ND	ND	ND	ND	ND	44.4	ND	ND	ND	416.7	NA	4722.2	33333.3	ND	ND	38055.6	ND	ND	NA
303.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	148.3	NA	3000.0	14666.7	ND	ND	17666.7	ND	ND	NA
303.6	ND	ND	31.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	11892.7	ND	NA	11892.7	ND	ND	106526.0
303.6	ND	35.5	25.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	17735.3	ND	NA	17735.3	ND	ND	NA
304.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	250.3	NA	ND	7508.6	ND	ND	7508.6	ND	ND	NA
306.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1239.8	ND	ND	1239.8	ND	ND	NA
306.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	2000.0	1900.0	ND	3900.0	NA	ND	NA
306.0	ND	ND	17.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	2100.0	ND	ND	2100.0	NA	ND	NA
306.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3415.2	ND	NA	3415.2	ND	ND	NA
307.0	ND	ND	32.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	4650.0	ND	NA	4650.0	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	ND	ND	167.5	ND	184.3	ND	110.6	ND	462.3	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	233.3	ND	183.3	83.3	66.7	ND	566.7	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	ND	ND	ND	126.5	ND	103.5	55.9	75.6	ND	361.4	ND	ND	ND
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	ND	NA	ND	140.0	ND	110.0	50.0	60.0	ND	360.0	ND	ND	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	ND	NA	ND	120.0	ND	94.0	41.0	78.0	ND	333.0	67.0	41.0	NA
307.2	Alameda Yacht Harbor	TCM	01/14/88	18.4	ND	24.5	628.3	24.5	490.4	183.9	413.8	46.0	1810.9	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	ND	ND	412.8	ND	256.2	101.1	242.0	ND	1012.1	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	ND	ND	ND	416.7	ND	354.2	200.0	308.3	ND	1279.2	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
307.0	ND	137.4	97.2	519.3	ND	72.0	ND	159.1	984.9	ND	ND	201.0	ND	NA	NA	ND	ND	ND	33.5
307.0	ND	600.0	ND	533.3	ND	250.0	ND	ND	1383.3	ND	ND	266.7	ND	NA	NA	ND	ND	ND	33.3
307.0	85.4	492.9	ND	361.4	ND	ND	ND	116.6	1056.4	ND	ND	54.2	ND	ND	ND	ND	ND	ND	41.1
307.0	ND	160.0	59.0	470.0	ND	ND	ND	ND	689.0	ND	NA	270.0	ND	ND	ND	ND	ND	ND	20.0
307.0	95.0	330.0	ND	470.0	ND	67.0	ND	120.0	1082.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
307.2	214.6	689.6	102.7	873.5	150.2	475.1	ND	ND	2796.9	ND	ND	536.4	ND	NA	NA	ND	ND	ND	21.5
307.2	126.7	398.6	75.4	484.0	94.0	341.6	ND	96.8	1617.1	ND	ND	839.9	ND	ND	ND	ND	ND	ND	49.8
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.4	254.2	1166.7	ND	1083.3	ND	337.5	ND	ND	2841.7	ND	ND	500.0	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.0	ND	ND	50.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	4522.5	ND	NA	4522.5	ND	ND	NA
307.0	ND	ND	50.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	3666.7	ND	NA	3666.7	ND	ND	NA
307.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2300.0	ND	ND	2300.0	ND	ND	NA
307.0	ND	ND	17.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3200.0	2900.0	ND	6100.0	NA	ND	NA
307.0	ND	ND	27.0	ND	ND	ND	ND	NA	NA	120.0	NA	ND	3800.0	2400.0	ND	6200.0	NA	ND	NA
307.2	ND	ND	44.4	ND	32.2	ND	ND	ND	ND	NA	NA	ND	4904.1	ND	NA	4904.1	ND	ND	43033.0
307.2	ND	ND	37.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	15658.8	ND	NA	15658.8	ND	ND	NA
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	29104.9	ND	NA	29104.9	NA	NA	95192.0
307.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26590.9	ND	NA	26590.9	NA	NA	NA
307.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	91.7	NA	ND	9583.3	ND	ND	9583.3	ND	ND	62500.0

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ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	ND	NA	ND	390.0	ND	310.0	120.0	250.0	ND	1070.0	ND	ND	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	ND	NA	32.0	510.0	ND	770.0	290.0	510.0	200.0	2312.0	330.0	52.0	NA
307.5	Lake Merritt	RBM	05/22/92	ND	NA	17.0	820.0	21.0	570.0	270.0	750.0	45.0	2493.0	ND	ND	NA
307.5	Lake Merritt	RCM	03/16/93	ND	NA	20.0	430.0	14.0	340.0	170.0	400.0	53.0	1427.0	ND	38.0	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	ND	ND	220.4	ND	85.0	ND	63.0	ND	368.4	ND	ND	ND
307.9	San Francisco/Islais Channel	TCM	01/15/88	ND	ND	ND	312.4	ND	295.1	52.1	154.5	ND	814.4	102.4	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	ND	ND	ND	113.8	ND	78.5	40.5	62.8	ND	295.5	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	ND	NA	ND	140.0	ND	96.0	78.0	49.0	ND	363.0	ND	ND	NA
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	ND	NA	ND	180.0	ND	200.0	61.0	110.0	73.0	624.0	130.0	46.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
307.4	250.0	1000.0	60.0	710.0	ND	550.0	ND	130.0	2700.0	ND	NA	450.0	ND	ND	ND	ND	8.0	ND	ND
307.4	430.0	970.0	ND	1000.0	220.0	770.0	ND	490.0	3880.0	ND	NA	1000.0	ND	ND	ND	ND	ND	ND	ND
307.5	300.0	1200.0	110.0	1100.0	110.0	390.0	320.0	200.0	3730.0	ND	NA	420.0	ND	ND	ND	ND	ND	ND	ND
307.5	170.0	610.0	160.0	580.0	130.0	410.0	ND	320.0	2380.0	44.0	NA	320.0	ND	ND	ND	ND	ND	ND	ND
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	ND	ND	ND	519.5	ND	ND	ND	ND	519.5	ND	ND	173.2	ND	NA	NA	ND	ND	ND	ND
307.9	95.5	ND	72.9	590.1	100.7	171.8	ND	ND	1239.0	ND	ND	468.6	19.1	ND	ND	18.7	ND	ND	43.4
308.0	ND	405.4	ND	300.8	ND	86.3	ND	74.5	867.0	ND	ND	122.9	ND	ND	ND	ND	ND	ND	19.6
308.0	98.0	340.0	66.0	470.0	ND	130.0	ND	ND	1104.0	ND	NA	340.0	ND	ND	ND	ND	ND	ND	30.0
308.0	ND	260.0	ND	420.0	ND	100.0	ND	150.0	930.0	ND	NA	500.0	ND	ND	51.0	51.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
307.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	8200.0	4000.0	ND	12200.0	NA	ND	NA
307.4	ND	ND	76.0	37.0	140.0	ND	ND	NA	NA	220.0	NA	2800.0	21000.0	15000.0	ND	39000.0	NA	ND	43000.0
307.5	ND	ND	ND	ND	50.0	ND	ND	NA	NA	120.0	NA	900.0	8600.0	ND	ND	9500.0	NA	ND	NA
307.5	ND	ND	ND	19.0	ND	ND	ND	NA	NA	ND	NA	2100.0	7700.0	3400.0	ND	13000.0	NA	ND	NA
307.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	10802.2	ND	NA	10802.2	NA	NA	NA
307.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4565.3	ND	NA	4565.3	ND	ND	NA
307.9	ND	66.0	71.2	ND	17.4	ND	ND	ND	ND	NA	NA	ND	8157.5	ND	NA	8157.5	ND	ND	NA
308.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1961.5	ND	ND	1961.5	ND	ND	NA
308.0	ND	ND	20.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3500.0	3700.0	ND	7200.0	NA	ND	NA
308.0	ND	ND	ND	ND	57.0	ND	ND	NA	NA	ND	NA	ND	5900.0	3400.0	ND	9300.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	ND	ND	1010.4	ND	1077.7	ND	619.7	ND	2709.8	ND	ND	ND
308.2	Hunter's Point/Shipyard	TCM	12/29/88	ND	ND	ND	288.0	ND	220.2	72.8	203.3	ND	784.3	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	01/16/91	ND	ND	ND	280.9	ND	223.5	102.2	111.7	ND	718.3	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	12/16/91	ND	NA	ND	83.0	ND	82.0	62.0	26.0	ND	253.0	ND	ND	NA
309.0	San Mateo Bridge/88	TCM	02/01/93	ND	NA	ND	200.0	ND	180.0	78.0	150.0	82.0	690.0	120.0	51.0	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	ND	ND	ND	136.5	ND	98.3	56.0	65.5	ND	356.3	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	ND	NA	ND	190.0	ND	140.0	84.0	120.0	ND	534.0	ND	ND	NA
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	ND	NA	ND	120.0	ND	100.0	43.0	89.0	ND	352.0	64.0	ND	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	ND	ND	623.7	ND	140.3	ND	297.7	26.9	1088.7	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	ND	ND	512.1	ND	228.7	ND	126.3	ND	867.1	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
308.2	ND	2222.8	464.8	2896.3	ND	3704.6	ND	417.6	9704.6	ND	ND	2020.7	ND	ND	ND	ND	ND	ND	ND
308.2	152.4	626.7	203.3	796.1	ND	ND	ND	ND	1778.6	ND	ND	203.3	ND	NA	NA	ND	ND	ND	ND
309.0	ND	830.0	ND	478.8	ND	ND	ND	ND	1308.8	ND	ND	606.5	ND	ND	ND	ND	ND	ND	ND
309.0	ND	72.0	75.0	550.0	ND	ND	ND	ND	697.0	ND	NA	470.0	ND	ND	ND	ND	ND	ND	22.0
309.0	71.0	230.0	ND	510.0	35.0	140.0	ND	180.0	1166.0	ND	NA	550.0	ND	ND	54.0	54.0	ND	ND	ND
313.0	ND	395.9	ND	327.6	ND	ND	ND	68.3	791.7	ND	ND	ND	232.1	ND	ND	232.1	ND	ND	ND
313.0	ND	740.0	63.0	610.0	ND	ND	ND	ND	1413.0	ND	NA	410.0	ND	ND	ND	ND	ND	ND	ND
313.0	ND	130.0	ND	310.0	ND	51.0	ND	92.0	583.0	ND	NA	250.0	ND	ND	ND	ND	ND	ND	ND
321.0	ND	ND	ND	992.3	ND	ND	283.5	ND	1275.8	ND	ND	836.4	ND	NA	NA	ND	ND	ND	53.9
321.0	ND	ND	ND	887.6	ND	ND	ND	ND	887.6	ND	ND	955.9	ND	NA	NA	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
308.2	ND	ND	107.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	141449.5	ND	NA	141449.5	ND	ND	NA
308.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	27102.0	ND	NA	27102.0	ND	ND	NA
309.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2777.3	ND	ND	2777.3	ND	ND	NA
309.0	ND	ND	23.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3700.0	5000.0	ND	8700.0	NA	ND	NA
309.0	ND	ND	40.0	ND	76.0	ND	ND	NA	NA	95.0	NA	ND	5500.0	3000.0	ND	8500.0	NA	2100.0	NA
313.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1365.1	ND	ND	1365.1	ND	ND	NA
313.0	ND	ND	31.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3700.0	3400.0	ND	7100.0	NA	ND	NA
313.0	ND	ND	15.0	ND	ND	ND	ND	NA	NA	95.0	NA	ND	2400.0	1300.0	ND	3700.0	NA	ND	NA
321.0	ND	ND	99.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	7654.9	ND	NA	7654.9	ND	ND	NA
321.0	ND	ND	30.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	7851.7	ND	NA	7851.7	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	ND	ND	ND	307.3	ND	225.4	184.4	137.3	ND	854.3	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	ND	NA	ND	58.0	ND	92.0	62.0	110.0	ND	322.0	ND	ND	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	ND	ND	542.6	ND	248.7	ND	135.7	ND	927.0	ND	ND	ND
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	35.3	388.2	35.3	305.9	94.1	200.0	23.5	1082.4	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	ND	ND	ND	317.6	ND	232.9	199.1	232.9	ND	982.6	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	ND	NA	15.0	34.0	19.0	37.0	57.0	98.0	ND	260.0	ND	ND	NA
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	ND	NA	ND	57.0	ND	50.0	13.0	48.0	ND	168.0	71.0	ND	NA
336.0	J. Fitzgerald	RCM	01/30/91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.2	Pescadero Creek	TFC	02/08/88	ND	ND	ND	19.3	ND	30.9	ND	41.5	ND	92.3	ND	95.5	ND
399.2	Pescadero Creek	TFC	01/26/89	ND	ND	ND	26.4	ND	ND	ND	ND	ND	26.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
321.0	245.9	245.9	ND	1044.9	ND	ND	ND	ND	1536.6	ND	ND	512.2	ND	ND	ND	ND	ND	ND	ND
321.0	ND	430.0	65.0	630.0	ND	ND	ND	160.0	1285.0	ND	NA	380.0	ND	ND	ND	ND	ND	ND	ND
323.3	ND	ND	ND	633.0	ND	ND	ND	ND	633.0	ND	ND	813.9	ND	NA	NA	ND	ND	ND	ND
323.3	ND	235.3	ND	423.5	ND	ND	ND	ND	658.8	ND	ND	341.2	35.3	NA	NA	35.3	ND	ND	23.5
326.0	338.8	487.1	ND	995.3	ND	ND	ND	201.2	2022.4	ND	ND	275.3	ND	NA	NA	ND	ND	ND	ND
326.0	ND	230.0	ND	480.0	ND	ND	ND	86.0	796.0	ND	NA	310.0	ND	ND	78.0	78.0	ND	ND	ND
326.0	ND	ND	ND	250.0	ND	64.0	ND	52.0	366.0	ND	NA	59.0	ND	ND	ND	ND	ND	ND	17.0
336.0	ND	ND	ND	248.2	ND	ND	ND	ND	248.2	ND	ND	99.3	ND	NA	NA	ND	ND	ND	91.0
399.2	ND	55.0	29.9	414.6	106.1	79.1	ND	ND	684.6	ND	ND	ND	ND	ND	3567.5	3567.5	ND	ND	ND
399.2	ND	ND	ND	84.9	ND	ND	ND	ND	84.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
321.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1803.0	ND	ND	1803.0	ND	ND	NA
321.0	ND	ND	39.0	ND	ND	ND	ND	NA	NA	71.0	NA	ND	4500.0	ND	ND	4500.0	NA	ND	NA
323.3	ND	ND	115.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	3165.2	ND	NA	3165.2	ND	ND	NA
323.3	ND	ND	94.1	ND	23.5	ND	ND	ND	ND	NA	NA	ND	1764.7	ND	NA	1764.7	ND	ND	NA
326.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	146.1	NA	ND	2541.2	ND	ND	2541.2	ND	ND	NA
326.0	ND	ND	91.0	ND	18.0	ND	ND	NA	NA	92.0	NA	ND	3400.0	ND	ND	3400.0	NA	ND	NA
326.0	ND	ND	16.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	790.0	ND	ND	790.0	NA	ND	NA
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	9.6	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
399.3	Waddell Creek	TFC	02/08/88	ND	ND	ND	ND	ND	20.0	ND	17.9	ND	38.2	ND	34.8	ND
399.3	Waddell Creek	TFC	01/26/89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	ND	ND	24.1	366.5	35.6	335.1	136.1	429.3	16.8	1343.4	74.3	ND	ND
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	156.0	ND	146.8	100.9	156.0	18.3	578.0	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	RFC	11/26/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	Aptos Creek	TFC	12/19/91	ND	ND	ND	220.0	ND	45.0	130.0	260.0	ND	655.0	ND	ND	ND
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	ND	ND	220.1	ND	134.9	78.1	142.0	ND	575.1	ND	1065.0	ND
401.5	Watsonville Slough/Bridge	TFC	02/02/88	125.9	ND	120.9	1057.9	176.3	1183.8	327.4	881.6	201.5	3949.5	327.4	617.1	13853.4
401.5	Watsonville Slough/Bridge	TFC	03/10/93	81.0	NA	56.0	970.0	76.0	910.0	1100.0	900.0	65.0	4077.0	980.0	1700.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
399.3	ND	ND	ND	400.5	43.2	168.6	ND	ND	612.6	ND	ND	ND	ND	ND	ND	69.8	ND	ND	ND
399.3	ND	ND	ND	350.0	ND	ND	ND	ND	350.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
399.7	ND	146.6	ND	722.5	89.0	356.0	ND	ND	1314.1	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.8	ND	174.3	55.0	844.0	ND	220.2	ND	ND	1293.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
400.8	ND	310.0	180.0	4500.0	ND	660.0	ND	ND	5650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
401.3	144.4	804.7	ND	4260.0	ND	473.3	ND	260.3	5942.7	ND	ND	2366.7	1964.3	1325.3	1822.3	5112.0	ND	ND	45.0
401.5	2770.7	6926.7	906.8	18891.0	3904.1	10327.1	1083.1	503.8	45313.2	503.8	6926.7	9445.5	2770.7	2015.0	2518.8	7304.5	730.5	ND	16.4
401.5	3700.0	5400.0	1100.0	42000.0	9500.0	25000.0	590.0	1600.0	88890.0	ND	NA	14000.0	260.0	1200.0	1900.0	3360.0	1500.0	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
399.7	ND	ND	ND	80.6	40.8	12.6	ND	ND	ND	ND	305.9	ND	1151.8	ND	ND	1151.8	ND	ND	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1100.9	440.4	NA	1541.3	ND	ND	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.6	ND	ND	880.6	NA	NA	NA
400.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	972.9	ND	ND	972.9	NA	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA
401.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1893.3	ND	NA	1893.3	ND	ND	NA
401.5	ND	ND	23.9	40.3	377.8	75.6	302.3	ND	ND	NA	NA	ND	1637.2	ND	NA	1637.2	ND	57932.4	NA
401.5	ND	ND	58.0	ND	210.0	58.0	ND	NA	NA	2300.0	NA	660.0	1600.0	ND	ND	2300.0	NA	130000.0	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam
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NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	ND	ND	1219.6	ND	262.3	183.6	393.4	ND	2059.0	ND	97.0	ND
401.8	San Andreas Road	TFC	02/03/88	84.6	ND	46.6	845.8	96.5	650.6	ND	780.7	151.8	2572.3	ND	867.5	ND
401.9	Pajaro River Estuary	TFC	03/10/93	ND	NA	16.0	230.0	22.0	200.0	84.0	170.0	21.0	743.0	1100.0	590.0	NA
402.1	Azevedo Pond	TCM	02/25/93	ND	NA	ND	240.0	ND	390.0	100.0	200.0	38.0	968.0	ND	890.0	NA
402.2	Parson's Slough	TCM	03/02/88	ND	ND	ND	129.5	ND	170.0	ND	44.5	ND	344.0	ND	566.7	ND
402.2	Parson's Slough	TCM	01/04/89	ND	ND	ND	156.6	ND	88.9	ND	63.8	ND	309.3	ND	618.7	ND
402.2	Parson's Slough	TCM	02/25/93	ND	NA	11.0	320.0	ND	330.0	150.0	250.0	39.0	1100.0	580.0	4000.0	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	ND	ND	114.8	ND	72.2	27.9	54.1	ND	269.0	ND	607.0	ND
402.5	Elkhorn Slough/Tidal Pond	TCM	02/25/93	ND	NA	ND	97.0	ND	54.0	20.0	34.0	ND	205.0	ND	1400.0	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	ND	ND	65.5	ND	59.0	ND	21.8	ND	145.6	ND	240.2	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
401.6	786.9	813.1	131.1	3147.5	288.5	1442.6	ND	ND	6609.7	1022.9	14425.8	380.3	262.3	ND	ND	262.3	ND	ND	ND
401.8	2602.4	6180.6	1301.2	23855.0	5204.7	11927.5	596.4	986.7	52654.6	ND	4879.4	15180.5	878.3	1030.1	2493.9	4402.3	531.3	ND	ND
401.9	840.0	1000.0	160.0	5200.0	990.0	3200.0	ND	400.0	11790.0	ND	NA	1000.0	28.0	120.0	470.0	618.0	180.0	200.0	ND
402.1	1000.0	2500.0	350.0	11000.0	620.0	2500.0	820.0	570.0	19360.0	2800.0	NA	6700.0	49.0	130.0	1600.0	1779.0	250.0	ND	22.0
402.2	157.9	170.0	ND	1700.0	ND	263.1	ND	196.3	2521.5	NA	NA	647.6	5262.0	NA	NA	5262.0	ND	NA	54.6
402.2	ND	139.2	ND	1256.7	108.3	270.7	ND	ND	1774.8	ND	ND	522.0	2126.7	2513.3	1643.3	6283.3	ND	ND	42.5
402.2	650.0	1100.0	240.0	8400.0	1600.0	5100.0	ND	480.0	17570.0	ND	NA	3800.0	76.0	360.0	2400.0	2836.0	390.0	ND	21.0
402.3	ND	105.0	ND	1213.9	160.8	475.7	ND	ND	1955.4	ND	ND	574.2	508.5	508.5	1640.4	2657.5	ND	ND	45.9
402.5	130.0	300.0	57.0	1900.0	290.0	1000.0	ND	94.0	3771.0	ND	NA	1300.0	53.0	120.0	1000.0	1173.0	230.0	ND	ND
403.0	ND	240.2	ND	807.9	ND	174.7	ND	ND	1222.7	ND	ND	283.8	1724.9	2620.1	ND	5393.0	ND	ND	34.9

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
401.6	ND	ND	ND	52.5	157.4	ND	ND	ND	301.6	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
401.8	ND	ND	ND	ND	238.6	41.2	ND	ND	ND	NA	NA	ND	1951.8	ND	NA	1951.8	ND	33613.9	NA
401.9	ND	ND	53.0	ND	30.0	14.0	35.0	NA	NA	150.0	NA	ND	980.0	150.0	ND	1100.0	NA	21000.0	NA
402.1	ND	ND	59.0	ND	290.0	ND	ND	NA	NA	ND	NA	ND	1800.0	ND	ND	1800.0	NA	15000.0	NA
402.2	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	1113.1	ND	NA	1113.1	NA	ND	NA
402.2	ND	ND	ND	ND	29.0	ND	ND	ND	ND	NA	NA	ND	754.0	ND	NA	754.0	ND	ND	NA
402.2	ND	ND	ND	ND	120.0	ND	ND	NA	NA	240.0	NA	ND	2400.0	ND	ND	2400.0	NA	21000.0	NA
402.3	ND	ND	ND	ND	32.8	ND	ND	ND	ND	NA	NA	ND	590.6	ND	NA	590.6	ND	ND	NA
402.5	ND	ND	ND	ND	150.0	ND	ND	NA	NA	91.0	NA	ND	470.0	ND	ND	470.0	NA	4900.0	NA
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	ND	ND	64.0	ND	144.5	ND	58.5	ND	267.0	ND	96.9	ND
403.2	Moro Cojo	TCM	01/04/89	ND	ND	ND	507.5	ND	486.4	114.2	274.9	ND	1383.0	ND	1374.6	ND
403.6	Moro Cojo Slough	TCM	02/02/88	ND	ND	ND	225.6	ND	225.6	ND	65.4	ND	516.9	ND	383.5	ND
404.0	Sandholdt Bridge	RBM	11/05/87	ND	ND	ND	223.3	ND	204.7	ND	152.6	ND	579.8	ND	94.9	ND
404.0	Sandholdt Bridge	RBM	02/02/88	ND	ND	ND	346.1	ND	582.0	346.1	471.9	ND	1746.1	ND	62.9	ND
404.0	Sandholdt Bridge	RBM	04/07/88	ND	ND	30.8	54.3	ND	ND	ND	199.1	ND	283.6	ND	1230.8	ND
404.0	Sandholdt Bridge	RBM	12/08/88	ND	ND	ND	168.1	ND	126.7	65.9	147.4	ND	508.2	ND	310.3	ND
404.0	Sandholdt Bridge	TCM	01/04/89	ND	ND	ND	151.9	ND	107.7	35.9	70.4	ND	366.0	ND	524.9	ND
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	197.9	ND	166.7	93.8	114.6	ND	572.9	104.2	1031.3	1041.7
404.0	Sandholdt Bridge	TCM	02/04/91	ND	ND	ND	308.0	ND	300.0	132.0	236.0	ND	976.0	ND	212.0	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
403.0	ND	694.9	ND	987.4	96.9	237.7	ND	ND	2016.9	ND	ND	237.7	179.2	548.6	566.9	1294.6	ND	ND	64.0
403.2	296.1	1501.5	211.5	5709.8	592.1	2114.8	ND	211.5	10637.2	ND	ND	3425.9	317.2	2537.7	5921.3	8776.2	135.3	ND	36.0
403.6	315.8	1398.5	81.2	3834.6	144.4	947.4	473.7	169.2	7364.7	ND	ND	924.8	3157.9	1353.4	270.7	4782.0	ND	ND	65.4
404.0	669.8	2232.6	204.7	7255.9	ND	465.1	223.3	558.1	11609.4	ND	ND	427.9	502.3	ND	ND	502.3	ND	ND	31.6
404.0	975.3	2988.8	346.1	17303.4	1730.3	5662.9	ND	1573.0	30579.9	NA	NA	818.0	5348.3	ND	NA	5348.3	ND	NA	ND
404.0	ND	ND	105.0	7239.8	289.6	ND	ND	175.6	7810.0	ND	ND	669.7	1810.0	2352.9	5972.9	10135.8	ND	ND	23.5
404.0	439.7	2974.1	122.8	11120.7	ND	284.5	ND	194.0	15135.8	ND	ND	478.4	569.0	336.2	1163.8	2069.0	ND	ND	24.6
404.0	359.1	1367.5	93.9	7044.6	538.7	2486.3	ND	221.0	12111.2	ND	ND	828.8	1105.0	1105.0	1795.7	4005.8	103.6	ND	ND
404.0	729.2	2291.7	239.6	12500.0	1250.0	7187.5	ND	458.3	24656.3	ND	ND	1562.5	2500.0	2291.7	2708.3	7500.0	ND	ND	20.8
404.0	560.0	2400.0	560.0	7200.0	384.0	1440.0	ND	720.0	13264.0	ND	ND	520.0	184.0	ND	ND	184.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
403.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	457.1	ND	NA	457.1	ND	ND	NA
403.2	ND	ND	ND	ND	188.2	ND	ND	ND	ND	NA	NA	ND	1966.7	ND	NA	1966.7	ND	ND	NA
403.6	ND	ND	22.6	ND	24.8	ND	ND	ND	ND	NA	NA	ND	1872.2	ND	NA	1872.2	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2604.7	ND	NA	2604.7	ND	ND	NA
404.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	9752.8	ND	NA	9752.8	NA	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3438.9	ND	NA	3438.9	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2715.5	ND	NA	2715.5	ND	ND	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3038.8	ND	NA	3038.8	ND	1933.8	NA
404.0	ND	ND	20.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	4062.5	ND	NA	4062.5	ND	14583.3	NA
404.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3400.0	ND	ND	3400.0	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
404.0	Sandholdt Bridge	TCM	01/28/92	ND	NA	ND	57.0	ND	130.0	77.0	85.0	ND	349.0	420.0	2100.0	ND
404.0	Sandholdt Bridge	TCM	02/01/93	14.0	NA	12.0	380.0	ND	330.0	220.0	260.0	20.0	1222.0	600.0	3500.0	NA
405.2	Old Salinas River 2	TFC	03/10/93	ND	NA	ND	61.0	ND	48.0	35.0	32.0	15.0	191.0	ND	1500.0	NA
405.3	Old Salinas River 1	TFC	03/16/92	ND	NA	ND	370.0	ND	81.0	340.0	120.0	86.0	997.0	2900.0	7600.0	NA
405.3	Old Salinas River 1	TFC	03/10/93	26.0	NA	35.0	410.0	31.0	280.0	ND	310.0	27.0	1093.0	4400.0	12000.0	NA
405.6	Salinas River Lag 1	TFC	03/10/93	ND	NA	3.5	49.0	ND	23.0	25.0	25.0	ND	125.5	120.0	770.0	NA
405.7	Salinas River Lag 2	TFC	03/16/92	61.0	NA	570.0	1100.0	62.0	960.0	450.0	170.0	110.0	3422.0	5100.0	15000.0	NA
406.0	Westley Station	RFC	01/04/89	ND	ND	ND	42.9	ND	18.7	ND	28.0	ND	89.6	ND	117.6	ND
406.5	Tembladero Slough	TFC	03/10/93	40.0	NA	45.0	370.0	44.0	300.0	ND	340.0	ND	1099.0	5300.0	12000.0	NA
407.4	Blanco Pump/West	TFC	03/10/93	37.0	NA	26.0	260.0	22.0	190.0	460.0	290.0	13.0	1261.0	3800.0	8300.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
404.0	740.0	2600.0	290.0	10000.0	1100.0	7600.0	ND	430.0	22760.0	ND	NA	3200.0	140.0	550.0	3000.0	3690.0	620.0	ND	24.0
404.0	1400.0	3300.0	440.0	14000.0	2700.0	9800.0	ND	660.0	32300.0	ND	NA	3900.0	200.0	690.0	3000.0	3890.0	560.0	170.0	ND
405.2	90.0	160.0	64.0	1100.0	94.0	300.0	ND	66.0	1874.0	ND	NA	230.0	ND	ND	110.0	110.0	ND	ND	ND
405.3	4900.0	7500.0	640.0	34000.0	12000.0	61000.0	500.0	28.0	120568.0	ND	NA	12000.0	280.0	950.0	3400.0	4630.0	2900.0	ND	ND
405.3	1300.0	2000.0	260.0	6400.0	1500.0	5400.0	ND	910.0	17770.0	ND	NA	2800.0	260.0	570.0	1900.0	2730.0	800.0	ND	ND
405.6	41.0	130.0	50.0	890.0	68.0	300.0	ND	58.0	1537.0	ND	NA	210.0	ND	16.0	99.0	115.0	30.0	ND	ND
405.7	7800.0	18000.0	1400.0	47000.0	13000.0	72000.0	1800.0	1700.0	162700.0	810.0	NA	14000.0	1100.0	3800.0	11000.0	15900.0	3100.0	ND	27.0
406.0	ND	119.5	ND	1250.7	143.7	616.0	ND	ND	2129.9	ND	ND	141.9	151.2	NA	NA	151.2	ND	ND	39.2
406.5	1300.0	2300.0	360.0	7000.0	1800.0	5700.0	120.0	910.0	19490.0	ND	NA	3400.0	280.0	660.0	1600.0	2540.0	740.0	ND	ND
407.4	1900.0	3800.0	490.0	19000.0	4600.0	14000.0	400.0	1400.0	45590.0	ND	NA	9700.0	110.0	510.0	650.0	1270.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
404.0	ND	ND	ND	ND	38.0	ND	ND	NA	NA	ND	NA	ND	3400.0	ND	ND	3400.0	NA	8700.0	NA
404.0	ND	ND	ND	ND	45.0	13.0	83.0	NA	NA	100.0	NA	ND	3200.0	ND	ND	3200.0	NA	29000.0	NA
405.2	ND	ND	42.0	ND	ND	12.0	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	3900.0	NA
405.3	ND	ND	ND	ND	ND	230.0	ND	NA	NA	ND	NA	ND	2700.0	4300.0	ND	7000.0	NA	60000.0	NA
405.3	ND	ND	ND	ND	31.0	56.0	67.0	NA	NA	190.0	NA	530.0	1300.0	180.0	ND	2000.0	NA	22000.0	NA
405.6	ND	ND	ND	ND	ND	11.0	ND	NA	NA	ND	NA	150.0	650.0	ND	ND	800.0	NA	2000.0	NA
405.7	ND	ND	ND	ND	ND	92.0	530.0	NA	NA	ND	NA	740.0	5700.0	2400.0	ND	8840.0	NA	37000.0	NA
406.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	560.0	ND	NA	560.0	ND	ND	NA
406.5	ND	ND	ND	4.7	68.0	73.0	ND	NA	NA	320.0	NA	700.0	1500.0	180.0	ND	2400.0	NA	32000.0	NA
407.4	ND	ND	ND	ND	8.8	41.0	ND	NA	NA	17.0	NA	610.0	1800.0	320.0	ND	2700.0	NA	49000.0	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	533.4	145.5	266.7	169.7	1454.6	ND	1939.5	654.6	4630.5	24243.2	36364.8	ND
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	153.4	ND	112.5	2147.8	71.6	2659.2	10227.6	818.2	235.2	16272.1	32728.3	19432.4	ND
414.0	Pacific Grove	RCM	12/19/88	ND	ND	ND	ND	ND	ND	ND	87.6	ND	85.8	ND	154.5	ND
414.0	Pacific Grove	RCM	01/09/89	ND	ND	ND	256.3	ND	ND	ND	33.3	ND	289.6	ND	ND	ND
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	71.4	ND	42.9	ND	28.6	ND	142.9	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	ND	ND	ND	103.5	ND	77.6	ND	ND	ND	181.1	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	65.0	ND	26.0	ND	ND	ND	91.0	ND	ND	NA
414.0	Pacific Grove	RCM	02/12/93	ND	NA	ND	77.0	ND	61.0	23.0	48.0	ND	209.0	ND	37.0	NA
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	ND	50.2	289.4	ND	347.3	67.5	270.1	ND	1024.6	ND	ND	ND
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
408.9	7273.0	24243.2	2303.1	29091.8	15758.1	60608.0	9454.8	2666.8	151398.8	594.0	9212.4	29091.8	1333.4	2109.2	7030.5	10473.1	3151.6	NA	36.4
409.0	14318.6	39887.6	2045.5	61365.6	35796.6	112503.6	17386.9	7261.6	290566.1	NA	NA	45001.4	1227.3	1943.2	4602.4	7773.0	4295.6	NA	ND
414.0	ND	ND	ND	1545.0	ND	ND	ND	ND	1721.0	ND	ND	618.0	401.7	ND	ND	403.4	ND	ND	164.8
414.0	ND	ND	ND	435.6	ND	ND	ND	ND	435.6	ND	ND	166.6	143.5	ND	ND	143.5	ND	ND	120.4
414.0	ND	ND	ND	514.3	ND	ND	ND	ND	514.3	ND	ND	85.7	114.3	NA	NA	114.3	ND	ND	57.1
414.0	ND	ND	ND	983.0	ND	ND	ND	ND	983.0	ND	ND	144.9	ND	ND	ND	ND	ND	ND	67.3
414.0	ND	ND	ND	750.0	ND	ND	ND	ND	750.0	ND	ND	200.0	ND	ND	ND	ND	ND	ND	ND
414.0	ND	91.0	ND	620.0	120.0	370.0	ND	ND	1201.0	ND	NA	230.0	ND	ND	ND	ND	ND	ND	ND
421.7	ND	636.6	69.5	2122.2	ND	ND	ND	443.7	3272.2	NA	NA	366.6	ND	NA	NA	ND	ND	NA	ND
425.4	ND	ND	ND	485.5	ND	313.5	ND	ND	799.0	NA	NA	131.5	ND	NA	NA	ND	202.3	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
408.9	ND	ND	145.5	48.5	921.2	509.1	2788.0	ND	ND	NA	NA	ND	14545.9	ND	NA	14545.9	ND	375769.6	NA
409.0	NA	NA	NA	ND	ND	52.2	NA	NA	NA	NA	NA	ND	9409.4	ND	NA	9409.4	NA	398876.4	NA
414.0	ND	ND	61.8	61.8	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.5	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	ND
421.7	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	12347.1	ND	NA	12347.1	NA	11189.6	276513.0
425.4	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
425.6	Lake San Antonio	RFC	10/28/87	ND	ND	ND	23.9	ND	19.1	ND	17.9	ND	61.2	ND	119.4	ND
425.6	Lake San Antonio	RFC	09/14/88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	39.6	ND	ND	ND	19.8	ND	59.4	ND	89.1	ND
425.6	Lake San Antonio	TFC	05/25/92	ND	NA	ND	39.0	ND	38.0	26.0	96.0	ND	199.0	ND	150.0	NA
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
425.6	ND	ND	ND	429.8	ND	ND	ND	ND	429.8	ND	ND	114.6	ND	ND	ND	ND	ND	ND	13.1
425.6	ND	ND	ND	168.9	ND	ND	ND	ND	168.9	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
425.6	ND	ND	ND	396.0	ND	ND	ND	ND	396.0	ND	ND	19.8	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	1200.0	ND	240.0	ND	ND	1440.0	ND	NA	29.0	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	1700.0	ND	2700.0	NA	ND	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83.4	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
426.5	Cayucos Pier	TCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	Cayucos Pier	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/12/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
426.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.3	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.5	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.0	Montana De Oro	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	46.5	ND	34.9	ND	23.3	ND	104.7	ND	ND	ND
430.0	Montana De Oro	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	12/03/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	Montana De Oro	RCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	Montana De Oro 1	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
430.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
430.0	ND	ND	ND	488.4	ND	ND	ND	ND	488.4	ND	ND	116.3	46.5	ND	ND	46.5	ND	ND	69.8
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	720.0	ND	ND	720.0	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	820.0	ND	ND	820.0	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
430.2	Montana De Oro 1	TCM	12/04/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	11/14/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	Montana De Oro 2	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
430.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	340.0	ND	ND	340.0	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
430.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
434.0	Diablo Cove/South	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	Diablo Cove/South	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1090.9	ND	ND	1090.9	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
434.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	880.0	ND	ND	880.0	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	527.3	ND	NA	527.3	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	831.9	ND	NA	831.9	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
435.0	Intake Cove	RCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	Intake Cove	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	Pecho Rock	RCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	512.2	ND	ND	512.2	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
435.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	530.0	ND	ND	530.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	892.9	ND	NA	892.9	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	656.6	ND	NA	656.6	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	293.5	ND	NA	293.5	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	563.0	ND	NA	563.0	NA	NA	NA
436.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	409.1	ND	NA	409.1	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-zide	alpha-Chlor-dane	cis-Chlor-dane	gamma-Chlor-dane	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/05/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/03/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	Point San Luis	RCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	Lion Rock/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	516.7	ND	NA	516.7	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2679.7	ND	ND	2679.7	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	756.0	ND	ND	756.0	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
437.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2100.0	ND	ND	2100.0	NA	NA	NA
440.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.0	NA	NA	NA	NA	NA	NA	NA	NA

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TFC = Transplanted Fresh Water Clam
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NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	Diablo Cove/S/Transplant/Shallow	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.9	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	353.7	ND	NA	353.7	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	535.3	ND	ND	535.3	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
443.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	860.0	ND	ND	860.0	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	715.8	ND	ND	715.8	NA	NA	NA
443.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/10/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	02/26/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	291.7	ND	NA	291.7	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	394.7	ND	NA	394.7	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	273.0	ND	ND	273.0	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	708.2	ND	ND	708.2	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
444.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/06/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/04/90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/09/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	02/25/92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.4	ND	348.6	ND	NA	348.6	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.7	ND	1445.9	ND	NA	1445.9	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2700.0	ND	NA	2700.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	828.6	ND	NA	828.6	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	1978.0	ND	NA	1978.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1615.4	ND	ND	1615.4	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	640.0	ND	NA	640.0	NA	NA	NA
445.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1600.0	5600.0	ND	ND	7200.0	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
446.0	San Luis Obispo Creek 1	TFC	02/26/91	ND	ND	96.0	1015.7	89.0	779.1	487.0	1238.3	89.0	3794.1	ND	ND	ND
450.0	Point Conception	RCM	01/04/91	ND	ND	ND	93.9	ND	144.4	ND	ND	ND	238.3	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	ND	ND	ND	33.9	ND	37.2	ND	ND	ND	72.2	ND	ND	ND
455.0	Gaviota	TCM	03/21/89	ND	ND	ND	62.2	ND	ND	ND	21.3	ND	83.5	ND	ND	ND
460.0	Goleta Slough 1	TCM	12/18/88	ND	ND	37.8	755.6	ND	491.1	245.6	793.3	62.3	2385.7	ND	188.9	547.8
475.0	Carpinteria Marsh	TCM	01/26/88	ND	ND	ND	191.0	ND	131.4	ND	116.6	ND	439.0	ND	ND	ND
475.0	Carpinteria Marsh	TCM	12/18/88	ND	ND	ND	251.9	ND	184.7	26.9	125.9	ND	589.4	184.7	ND	ND
480.0	Lake Isabella	RFC	02/09/93	ND	NA	ND	35.0	ND	34.0	28.0	36.0	ND	133.0	ND	50.0	NA
485.0	Ventura Marina	TCM	01/25/88	ND	ND	215.5	687.8	ND	664.9	227.0	687.8	ND	2483.3	ND	985.9	ND
506.1	Port Hueneme/Wharf B	TCM	01/25/88	ND	ND	ND	159.1	ND	422.6	ND	646.3	ND	1227.5	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
446.0	ND	487.0	ND	876.5	ND	278.3	ND	ND	1641.7	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
450.0	ND	231.1	325.0	2527.8	ND	ND	ND	ND	3083.9	ND	ND	101.1	ND	NA	NA	ND	ND	ND	115.6
455.0	ND	ND	ND	145.6	ND	ND	ND	ND	144.5	ND	ND	40.6	ND	NA	NA	ND	ND	ND	50.8
455.0	ND	ND	ND	550.8	ND	ND	ND	ND	550.8	ND	ND	51.5	ND	NA	NA	ND	ND	ND	42.6
460.0	ND	ND	ND	1341.1	ND	ND	ND	ND	1341.1	ND	ND	245.6	60.4	NA	NA	60.4	ND	ND	ND
475.0	ND	ND	ND	1314.4	ND	379.0	ND	ND	1693.4	NA	NA	148.3	148.4	NA	NA	148.4	ND	NA	ND
475.0	ND	772.5	62.1	2183.0	ND	201.5	ND	112.5	3331.6	ND	ND	184.7	369.4	ND	1679.2	2048.6	ND	ND	36.9
480.0	ND	86.0	56.0	730.0	ND	ND	ND	66.0	938.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
485.0	619.1	1513.3	504.4	9400.5	848.3	3439.2	940.1	1100.5	18365.4	NA	NA	252.2	1215.2	NA	NA	1215.2	ND	NA	ND
506.1	696.0	9693.8	1441.6	4225.5	ND	1044.0	ND	845.1	17946.0	NA	NA	174.0	ND	NA	NA	ND	ND	NA	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
446.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3060.9	ND	ND	3060.9	ND	ND	NA
450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	722.2	ND	ND	722.2	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
455.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	755.6	ND	NA	755.6	ND	ND	NA
475.0	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
475.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	503.8	ND	NA	503.8	ND	ND	NA
480.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	890.0	ND	ND	890.0	NA	ND	NA
485.0	NA	NA	NA	160.5	ND	ND	NA	NA	NA	NA	NA	ND	8712.7	ND	NA	8712.7	NA	ND	232457.0
506.1	NA	NA	NA	141.7	ND	ND	NA	NA	NA	NA	NA	ND	44740.8	ND	NA	44740.8	NA	ND	28199.0

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	ND	ND	ND	273.9	ND	249.0	ND	323.7	ND	846.5	ND	ND	ND
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	ND	97.6	266.8	ND	325.4	208.2	279.8	ND	1177.9	ND	ND	ND
507.1	Mugu Lagoon/L Street	TCM	12/28/90	ND	ND	23.6	334.3	ND	216.3	186.8	295.0	23.6	1079.7	ND	1258.7	ND
507.2	Mugu Lagoon/Laguna Road	TCM	12/28/90	ND	ND	30.7	613.6	ND	337.5	288.4	552.3	ND	1822.5	ND	705.7	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	ND	84.6	1175.6	14.1	576.0	199.8	964.0	85.8	3100.0	564.3	3526.7	ND
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/28/90	ND	ND	52.5	700.0	58.9	572.7	365.9	890.9	73.2	2714.1	ND	652.3	ND
507.8	Revolon Slough	TFC	03/14/88	ND	ND	740.2	8247.9	782.5	7401.9	10574.2	8459.4	2643.6	38849.6	12689.0	99397.5	ND
507.8	Revolon Slough	TFC	01/29/89	ND	ND	539.4	4131.8	482.0	1377.3	ND	3672.7	ND	10203.3	8837.5	17215.9	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sul fan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	497.9	2340.3	124.5	3385.9	204.2	771.8	ND	547.7	7871.4	ND	ND	ND	59.8	ND	ND	60.2	ND	ND	ND
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.3	ND	1269.0	488.1	3904.6	520.6	3253.8	ND	1171.4	10607.4	NA	NA	188.7	423.0	NA	NA	423.0	ND	NA	ND
507.1	747.3	2163.3	275.3	9046.7	131.8	629.3	ND	668.7	13662.4	ND	ND	133.7	275.3	786.7	3343.3	4405.3	ND	ND	41.3
507.2	1196.6	3988.6	736.4	24545.5	398.9	981.8	ND	1319.3	33167.1	ND	ND	337.5	174.9	951.1	2270.5	3396.5	ND	ND	58.3
507.3	1199.1	5278.3	940.5	34091.6	775.9	2116.0	317.4	670.1	45388.9	ND	ND	505.5	634.8	1645.8	1645.8	3926.4	84.6	493.7	ND
507.3	1384.1	3659.1	588.6	25454.5	ND	2068.2	ND	1240.9	34395.4	ND	ND	493.2	2704.5	1590.9	3022.7	7318.2	ND	ND	58.9
507.8	22205.8	50756.2	5710.1	211484.0	71904.6	211484.0	ND	7296.2	580840.8	NA	ND	5075.6	15861.3	16918.7	11631.6	44411.6	1903.4	NA	ND
507.8	7345.5	28693.2	4590.9	109034.1	22954.5	107886.4	ND	4476.1	284980.6	286.9	ND	1492.0	24102.3	12625.0	110181.8	146909.1	573.9	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
506.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	44362.5	ND	NA	44362.5	NA	NA	NA
506.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	14439.9	ND	NA	14439.9	ND	ND	217715.0
506.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15918.9	ND	NA	15918.9	NA	NA	NA
506.3	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	45553.2	ND	NA	45553.2	NA	ND	28199.0
507.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	43.3	NA	ND	1219.3	ND	ND	1219.3	ND	3933.3	NA
507.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	4295.5	ND	ND	4295.5	ND	7056.8	NA
507.3	ND	ND	34.1	ND	48.2	16.5	ND	ND	ND	NA	NA	ND	5407.6	ND	NA	5407.6	ND	21160.3	NA
507.3	ND	ND	ND	ND	ND	50.9	ND	ND	ND	ND	NA	ND	1018.2	ND	ND	1018.2	ND	27045.5	NA
507.8	NA	NA	NA	190.3	4335.4	1903.4	NA	NA	NA	NA	NA	1903.4	41239.4	ND	NA	43142.7	ND	496987.4	NA
507.8	ND	ND	309.9	172.2	ND	114.8	ND	ND	ND	NA	NA	ND	5050.0	ND	NA	5050.0	ND	849318.1	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlorbenside	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal	Diazinon
507.8	Revolon Slough	TFC	03/11/91	ND	ND	358.0	4394.1	144.8	3254.9	10090.2	3905.9	ND	22148.0	1171.8	9113.7	ND
553.0	Marina Del Rey/Entrance	TCM	12/19/88	ND	ND	110.4	1084.8	ND	875.5	247.4	913.5	ND	3231.7	228.4	ND	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	69.9	ND	216.3	1829.9	113.1	1530.5	ND	1397.4	ND	5086.8	ND	66.5	ND
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	ND	ND	125.6	1298.0	ND	860.6	254.0	1298.0	ND	3836.1	93.1	ND	ND
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	ND	163.0	3266.3	ND	2532.3	963.0	1518.5	196.3	8639.4	ND	ND	ND
555.0	Marina Del Rey/Basin G	TCM	12/19/88	ND	ND	125.4	1737.9	32.3	824.2	555.4	1290.0	215.0	4780.2	ND	ND	ND
555.2	Marina Del Rey/Basin D	TCM	01/25/88	ND	ND	240.2	2882.1	ND	3122.3	1849.3	1200.9	221.0	9515.3	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	ND	56.1	2804.0	ND	2804.0	1602.3	1962.8	152.2	9381.9	ND	ND	ND
556.0	Marina Del Rey/Basin E	TCM	12/19/88	ND	ND	118.3	2232.1	ND	1629.5	1026.8	2075.9	ND	7082.6	ND	ND	ND
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	ND	ND	174.2	1864.6	168.1	1925.8	672.5	1803.5	82.5	6689.9	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Total Endosulfan	Endrin	Ethion	alpha-HCH
507.8	22784.3	34176.5	2441.2	21156.9	11066.7	94392.2	ND	6835.3	192853.0	ND	ND	862.5	1790.2	1790.2	4719.6	8300.0	358.0	ND	ND
553.0	142.7	1084.8	609.0	3235.5	ND	138.9	ND	418.7	5629.7	ND	ND	285.5	ND	ND	ND	ND	ND	ND	ND
554.0	199.6	1031.4	282.8	3493.5	79.9	249.5	532.3	232.9	6101.6	ND	ND	598.9	ND	ND	ND	ND	ND	465.8	33.3
554.0	63.5	1975.2	507.9	3668.2	80.4	169.3	ND	395.0	6859.6	ND	ND	522.0	ND	ND	ND	ND	ND	ND	14.1
555.0	ND	1037.0	555.6	4444.4	ND	ND	ND	5136.0	11173.0	ND	ND	1777.8	ND	ND	ND	ND	ND	ND	40.7
555.0	394.2	2759.2	931.7	5375.0	ND	75.3	609.2	483.8	10628.2	ND	ND	788.3	ND	1110.8	1791.7	2902.5	ND	ND	ND
555.2	ND	1080.8	264.2	5283.8	ND	1080.8	ND	864.6	8574.2	NA	NA	2161.6	ND	NA	NA	ND	ND	NA	ND
556.0	ND	1261.8	821.2	5608.0	ND	560.8	2603.7	1181.7	12037.1	NA	NA	2403.4	ND	NA	NA	ND	ND	NA	ND
556.0	736.6	1428.6	1852.7	9375.0	ND	102.7	937.5	1383.9	15817.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
557.0	336.2	672.5	250.7	2048.0	1345.0	2048.0	ND	165.1	6864.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Ethyl-parathion	Methyl-parathion	Oxadiazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetradifon	Toxaphene	Tributyltin
507.8	ND	ND	ND	ND	ND	276.7	ND	ND	ND	179.0	NA	ND	ND	ND	ND	ND	ND	553333.6	NA
553.0	ND	ND	34.3	ND	ND	ND	ND	ND	ND	NA	NA	ND	5519.4	ND	NA	5519.4	ND	ND	NA
554.0	ND	ND	39.9	39.9	23.3	ND	ND	ND	ND	NA	NA	ND	9648.6	ND	NA	9648.6	ND	ND	NA
554.0	ND	ND	25.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	12556.6	ND	NA	12556.6	ND	ND	NA
555.0	ND	ND	ND	ND	63.0	ND	ND	ND	ND	NA	NA	ND	10740.7	ND	NA	10740.7	ND	ND	213837.0
555.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	19708.3	ND	NA	19708.3	ND	ND	NA
555.2	NA	NA	NA	ND	180.1	ND	NA	NA	NA	NA	NA	ND	16331.8	ND	NA	16331.8	NA	ND	81500.0
556.0	NA	NA	NA	ND	140.2	ND	NA	NA	NA	NA	NA	ND	13819.6	ND	NA	13819.6	NA	ND	123448.0
556.0	ND	ND	ND	ND	35.7	ND	ND	ND	ND	NA	NA	ND	31250.0	ND	NA	31250.0	ND	ND	NA
557.0	ND	ND	91.7	ND	ND	ND	ND	ND	ND	NA	NA	ND	16812.2	ND	NA	16812.2	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
559.0	King Harbor	TCM	12/28/87	ND	ND	ND	265.8	ND	306.6	196.3	265.8	32.7	1066.4	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/28/87	ND	ND	114.5	745.7	ND	1075.2	502.9	832.4	64.2	3335.3	ND	ND	ND
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/23/90	ND	ND	131.1	1311.2	65.6	1013.2	590.0	1251.6	ND	4362.7	ND	ND	ND
601.0	La Harbor/National Steel	TCM	12/22/91	ND	NA	18.0	580.0	ND	500.0	180.0	410.0	24.0	1712.0	140.0	ND	NA
601.0	LA Harbor/National Steel	RBM	01/06/93	ND	NA	ND	300.0	ND	280.0	210.0	260.0	44.0	1094.0	86.0	ND	NA
602.0	LA Harbor/West Basin	TCM	12/28/87	ND	ND	26.5	554.7	ND	578.9	ND	385.9	28.9	1575.2	ND	ND	ND
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
559.0	ND	245.3	981.3	4293.1	224.9	408.9	ND	776.8	6930.2	NA	NA	286.2	ND	NA	NA	ND	ND	NA	ND
601.0	ND	156.1	2427.8	6763.1	2254.4	8670.6	ND	2254.4	22526.2	NA	NA	433.5	ND	NA	NA	ND	ND	NA	ND
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
601.0	1966.8	6556.0	3695.2	20264.0	381.4	560.2	1370.8	2145.6	36940.1	ND	ND	506.6	ND	NA	NA	ND	ND	ND	ND
601.0	680.0	3100.0	1200.0	8200.0	60.0	170.0	600.0	770.0	14780.0	ND	NA	230.0	ND	ND	ND	ND	ND	ND	18.0
601.0	320.0	1200.0	600.0	5900.0	480.0	1800.0	230.0	460.0	10990.0	ND	NA	70.0	ND	ND	ND	ND	ND	ND	ND
602.0	289.4	1447.1	1374.8	4823.8	130.2	313.5	ND	289.4	8668.0	ND	ND	197.8	ND	ND	ND	ND	ND	ND	33.8
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
559.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	6950.7	ND	NA	6950.7	NA	ND	170218.0
601.0	NA	NA	NA	ND	91.9	ND	NA	NA	NA	NA	NA	31214.2	43353.0	ND	NA	74567.2	NA	ND	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15466.7	46222.2	ND	NA	61688.9	NA	NA	NA
601.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37500.0	43750.0	ND	NA	81250.0	NA	NA	NA
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	14900.0	59600.0	ND	ND	74500.0	ND	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2900.0	15000.0	2600.0	ND	20500.0	NA	ND	NA
601.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	9100.0	9200.0	ND	ND	18000.0	NA	6800.0	49000.0
602.0	ND	ND	45.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	24118.9	ND	NA	24118.9	ND	ND	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19747.2	ND	NA	19747.2	NA	NA	NA
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26714.3	ND	NA	26714.3	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/23/90	ND	ND	36.0	490.2	ND	310.5	359.5	522.9	ND	1719.1	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	ND	ND	47.8	454.0	ND	573.5	ND	573.5	ND	1648.9	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	308.0	ND	189.5	90.0	158.7	ND	746.3	ND	ND	ND
605.0	La Harbor/Cabrillo Pier	RCM	12/22/91	ND	NA	ND	54.0	ND	43.0	39.0	110.0	ND	246.0	ND	ND	NA
605.0	LA Harbor/Cabrillo Pier	RBM	01/06/93	ND	NA	ND	150.0	ND	150.0	200.0	150.0	ND	650.0	60.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
602.5	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
602.5	849.8	2582.0	2647.3	16668.3	ND	277.8	784.4	1340.0	25149.5	ND	ND	254.9	ND	NA	NA	ND	ND	ND	ND
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	1075.3	5735.2	2198.5	11709.3	ND	1147.0	2389.7	1409.9	25664.9	NA	NA	477.9	ND	NA	NA	ND	ND	NA	ND
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	497.5	971.4	2298.2	19901.5	ND	120.8	734.5	1919.1	26443.0	ND	ND	206.1	ND	NA	NA	ND	ND	ND	ND
605.0	180.0	440.0	2100.0	14000.0	ND	ND	360.0	1200.0	18280.0	ND	NA	24.0	ND	ND	ND	ND	ND	ND	ND
605.0	190.0	470.0	1600.0	12000.0	130.0	350.0	330.0	970.0	16040.0	ND	NA	49.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
602.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2166.7	21666.7	ND	NA	23833.3	NA	NA	NA
602.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	2255.1	42487.8	ND	ND	44742.9	ND	ND	NA
602.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	11688.1	ND	NA	11688.1	NA	NA	NA
603.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	6452.1	ND	NA	6452.1	NA	ND	NA
603.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	18821.1	ND	NA	18821.1	NA	NA	NA
603.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	8782.2	ND	NA	8782.2	NA	NA	NA
603.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2344.2	ND	NA	2344.2	NA	NA	86424.0
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	11372.3	ND	NA	11372.3	ND	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	850.0	7900.0	ND	ND	8750.0	NA	ND	NA
605.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1400.0	7700.0	ND	ND	9100.0	NA	2700.0	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	ND	ND	285.4	ND	267.6	89.2	196.2	23.2	861.3	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	ND	65.5	806.0	ND	705.3	327.5	529.0	70.5	2503.8	352.6	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	ND	ND	105.6	734.8	24.5	413.3	67.4	673.6	ND	2019.2	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	125.0	1000.0	ND	916.7	375.0	750.0	ND	3166.7	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/23/90	ND	ND	51.3	432.9	24.1	336.7	240.5	513.1	ND	1598.6	ND	ND	ND
616.0	La Harbor/Consolidated Slip	TCM	12/22/91	ND	NA	66.0	620.0	36.0	580.0	230.0	620.0	ND	2152.0	ND	ND	NA
616.0	LA Harbor/Consolidated Slip	TCM	09/10/92	ND	NA	53.0	720.0	45.0	600.0	430.0	580.0	93.0	2521.0	200.0	57.0	NA
616.0	LA Harbor/Consolidated Slip	RBM	01/06/93	ND	NA	ND	540.0	17.0	430.0	240.0	610.0	81.0	1918.0	120.0	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	158.8	303.3	767.1	4103.2	178.4	117.7	356.8	624.4	6609.6	ND	ND	112.4	ND	ND	ND	ND	ND	ND	25.0
616.0	554.2	1662.5	730.5	4282.1	ND	1007.6	ND	932.0	9168.8	ND	ND	231.7	ND	ND	ND	ND	ND	ND	30.2
616.0	352.1	2663.7	949.1	6735.8	ND	199.0	551.1	367.4	11818.3	ND	ND	148.5	ND	NA	NA	ND	ND	ND	ND
616.0	791.7	3833.3	875.0	5000.0	ND	375.0	1341.7	625.0	11500.0	ND	ND	375.0	ND	NA	NA	ND	ND	ND	ND
616.0	593.3	1924.1	721.6	4329.3	ND	ND	432.9	432.9	8434.1	ND	ND	120.3	ND	NA	NA	ND	ND	ND	ND
616.0	380.0	3200.0	750.0	5900.0	ND	230.0	ND	500.0	10960.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
616.0	780.0	2400.0	630.0	8100.0	540.0	2300.0	470.0	810.0	16030.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
616.0	500.0	2100.0	500.0	7400.0	800.0	3100.0	290.0	460.0	15150.0	ND	NA	85.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
606.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	9258.3	ND	NA	9258.3	NA	NA	61234.0
606.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	12175.4	ND	NA	12175.4	NA	NA	203728.0
609.0	ND	ND	33.9	ND	ND	ND	ND	ND	ND	NA	NA	ND	3211.2	ND	NA	3211.2	ND	ND	NA
616.0	ND	ND	70.5	ND	ND	ND	ND	ND	ND	NA	NA	ND	13854.0	ND	NA	13854.0	ND	ND	33436.0
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	16839.5	ND	NA	16839.5	ND	ND	NA
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8333.3	19583.3	ND	NA	27916.7	ND	ND	91395.8
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.7	NA	1763.8	12186.2	ND	ND	13950.0	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2100.0	13000.0	ND	ND	15100.0	NA	ND	NA
616.0	ND	ND	ND	33.0	ND	ND	ND	NA	NA	ND	NA	4300.0	10000.0	ND	ND	14000.0	NA	31000.0	29000.0
616.0	28.0	ND	ND	ND	ND	ND	ND	NA	NA	96.0	NA	3200.0	7900.0	300.0	ND	11000.0	NA	28000.0	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
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RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
617.6	Point Fermin	RCM	01/05/93	ND	NA	ND	180.0	ND	120.0	64.0	110.0	67.0	541.0	150.0	ND	NA
617.9	Cabrillo Beach/Ocean Side	RCM	01/05/93	ND	NA	ND	78.0	ND	190.0	36.0	69.0	ND	373.0	ND	ND	NA
618.0	LA Harbor/Angels Gate	TCM	12/23/90	ND	ND	ND	184.9	ND	147.9	85.5	201.1	ND	619.5	ND	ND	ND
618.0	LA Harbor/Angels Gate	RCM	12/22/91	ND	NA	ND	61.0	ND	63.0	33.0	88.0	19.0	264.0	ND	ND	NA
618.0	LA Harbor/Angels Gate	RCM	03/08/93	21.0	NA	ND	170.0	ND	180.0	84.0	150.0	31.0	615.0	ND	ND	NA
619.2	San Pedro Breakwater	RCM	03/08/93	ND	NA	ND	140.0	ND	200.0	60.0	110.0	ND	510.0	ND	ND	NA
620.0	LB Harbor/JH Baxter 80	TCM	12/23/90	ND	ND	ND	440.0	ND	509.5	148.2	444.6	ND	1542.3	ND	ND	ND
621.0	LA Harbor/Berth 120	TCM	12/23/90	ND	ND	ND	546.7	ND	61.5	341.7	444.2	ND	1394.0	ND	ND	ND
648.0	Malibu	RBM	12/26/90	ND	ND	ND	154.7	ND	142.8	63.4	115.0	ND	475.9	ND	ND	ND
648.0	Malibu	RBM	01/06/93	ND	NA	ND	120.0	ND	120.0	81.0	88.0	30.0	439.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
617.6	210.0	660.0	1600.0	17000.0	ND	260.0	ND	1800.0	21530.0	ND	NA	64.0	ND	ND	ND	ND	ND	ND	ND
617.9	110.0	250.0	860.0	8600.0	ND	120.0	ND	850.0	10790.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND
618.0	346.8	1109.6	2774.0	21267.5	ND	ND	554.8	1918.7	27971.4	ND	ND	25.4	ND	NA	NA	ND	ND	ND	39.3
618.0	140.0	550.0	1800.0	12000.0	ND	150.0	290.0	1300.0	16230.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
618.0	140.0	310.0	960.0	9200.0	92.0	390.0	ND	780.0	11872.0	ND	NA	60.0	ND	ND	ND	ND	ND	ND	ND
619.2	190.0	440.0	1600.0	15000.0	ND	190.0	ND	1500.0	18920.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	ND
620.0	509.5	1760.0	2176.8	15284.2	ND	254.7	ND	1667.4	21652.6	ND	ND	111.2	ND	NA	NA	ND	ND	ND	ND
621.0	1059.2	2494.2	1332.5	18791.7	ND	228.9	1366.7	1879.2	27152.3	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
648.0	ND	634.5	594.8	4362.1	ND	178.4	ND	ND	5769.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	51.6
648.0	58.0	100.0	260.0	2100.0	ND	69.0	ND	360.0	2947.0	ND	NA	48.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
617.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5500.0	ND	ND	5500.0	NA	ND	NA
617.9	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2900.0	ND	ND	2900.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	16413.0	ND	ND	16413.0	ND	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	700.0	6400.0	ND	ND	7100.0	NA	ND	NA
618.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1400.0	4700.0	ND	ND	6100.0	NA	2600.0	NA
619.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4900.0	ND	ND	4900.0	NA	ND	NA
620.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	19915.8	ND	ND	19915.8	ND	ND	NA
621.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	30066.7	ND	ND	30066.7	ND	ND	NA
648.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2775.9	ND	ND	2775.9	ND	ND	NA
648.0	ND	ND	23.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1700.0	ND	ND	1700.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
650.0	Santa Monica	RBM	12/26/90	ND	ND	ND	592.3	ND	700.0	204.6	452.3	ND	1949.2	ND	ND	ND
650.0	Santa Monica	RCM	01/06/93	ND	NA	24.0	700.0	ND	490.0	450.0	480.0	140.0	2284.0	1100.0	ND	NA
662.0	Royal Palms	RCM	12/28/87	ND	ND	ND	57.0	ND	55.6	ND	ND	ND	112.5	ND	ND	ND
662.0	Royal Palms	RCM	12/19/88	ND	ND	ND	211.5	ND	121.2	ND	67.1	ND	399.7	ND	ND	ND
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	122.4	ND	81.6	ND	40.8	ND	244.9	ND	ND	ND
662.0	Royal Palms	RCM	12/26/90	ND	ND	ND	228.2	ND	163.0	57.9	115.9	ND	565.0	ND	ND	ND
662.0	Royal Palms	RCM	11/25/91	ND	NA	ND	57.0	ND	77.0	ND	52.0	ND	186.0	ND	ND	NA
662.0	Royal Palms	RCM	01/05/93	ND	NA	ND	190.0	ND	130.0	53.0	75.0	63.0	511.0	ND	ND	NA
664.0	Cabrillo Beach	RCM	12/22/91	ND	NA	ND	54.0	ND	43.0	27.0	79.0	ND	203.0	ND	ND	NA
664.2	Cabrillo Beach Buoy	RCM	01/05/93	ND	NA	ND	130.0	ND	170.0	84.0	140.0	23.0	547.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
650.0	ND	915.4	807.7	5007.7	ND	ND	ND	592.3	7323.1	ND	ND	323.1	70.0	NA	NA	70.0	ND	ND	107.7
650.0	290.0	930.0	ND	8700.0	120.0	690.0	ND	1500.0	12230.0	ND	NA	850.0	ND	ND	ND	ND	ND	ND	ND
662.0	ND	185.2	413.1	3418.8	ND	ND	ND	655.3	4732.2	ND	ND	34.2	ND	ND	ND	ND	ND	ND	15.7
662.0	237.3	1212.1	1882.6	22694.7	ND	ND	722.1	1495.8	28244.6	ND	ND	64.5	ND	NA	NA	ND	ND	ND	49.0
662.0	244.9	1122.4	1693.9	14489.8	ND	163.3	1959.2	1551.0	21224.5	ND	ND	204.1	ND	NA	NA	ND	ND	ND	61.2
662.0	398.4	1593.5	2173.0	29697.3	ND	166.6	ND	2354.1	36382.8	ND	ND	108.6	ND	NA	NA	ND	ND	ND	83.3
662.0	210.0	610.0	2100.0	18000.0	ND	230.0	440.0	2200.0	23790.0	ND	NA	37.0	ND	ND	ND	ND	ND	ND	24.0
662.0	180.0	410.0	1200.0	12000.0	ND	130.0	240.0	1200.0	15360.0	ND	NA	180.0	ND	ND	ND	ND	ND	ND	ND
664.0	170.0	470.0	1700.0	12000.0	ND	220.0	ND	1100.0	15660.0	ND	NA	17.0	ND	ND	ND	ND	ND	ND	ND
664.2	220.0	500.0	1300.0	9800.0	150.0	610.0	ND	1100.0	13680.0	ND	NA	39.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
650.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3500.0	ND	ND	3500.0	ND	ND	NA
650.0	ND	ND	ND	28.0	ND	ND	ND	NA	NA	150.0	NA	4400.0	25000.0	ND	ND	29000.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	911.7	ND	NA	911.7	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	3610.5	ND	NA	3610.5	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	4081.6	ND	NA	4081.6	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	5432.4	ND	ND	5432.4	ND	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3500.0	ND	ND	3500.0	NA	ND	NA
662.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4000.0	ND	ND	4000.0	NA	4100.0	NA
664.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	850.0	5900.0	ND	ND	6750.0	NA	ND	NA
664.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	1200.0	5600.0	ND	ND	6800.0	NA	3400.0	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
682.0	Catalina Island/Ribbon Rock	RCM	02/01/93	ND	NA	ND	35.0	ND	31.0	ND	24.0	20.0	110.0	ND	ND	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	ND	78.0	557.3	ND	743.0	315.8	557.3	ND	2251.8	204.3	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	ND	ND	43.0	628.7	ND	297.8	ND	463.3	ND	1432.8	67.8	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	30.9	412.4	ND	391.8	195.9	288.7	51.5	1371.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/23/90	ND	ND	ND	535.5	ND	507.3	310.0	366.4	ND	1719.1	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/22/91	ND	NA	14.0	200.0	ND	130.0	105.1	230.0	20.0	699.1	ND	ND	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	ND	ND	30.5	539.9	ND	469.5	211.3	493.0	51.6	1795.8	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	30.8	300.0	ND	276.9	184.6	176.9	23.1	992.3	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/23/90	ND	ND	ND	230.9	ND	214.7	131.6	150.1	ND	727.3	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/22/91	ND	NA	17.0	170.0	ND	150.0	94.0	170.0	14.0	615.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
682.0	ND	ND	62.0	750.0	ND	110.0	ND	83.0	1005.0	ND	NA	30.0	ND	ND	ND	ND	ND	ND	ND
707.0	ND	464.4	761.6	6687.4	ND	575.9	1021.7	1170.3	10681.2	NA	NA	59.4	464.4	NA	NA	464.4	ND	NA	50.2
707.0	ND	1820.0	728.0	9927.3	ND	231.6	479.8	794.2	13980.9	ND	ND	215.1	ND	ND	ND	ND	ND	ND	36.4
707.0	175.3	505.2	536.1	4020.6	ND	ND	ND	690.7	5927.8	ND	ND	175.3	ND	NA	NA	ND	ND	ND	ND
707.0	338.2	1268.2	507.3	8736.4	ND	132.5	ND	1042.7	12025.2	ND	ND	310.0	ND	ND	ND	ND	ND	ND	50.7
707.0	100.0	270.0	670.0	6500.0	ND	77.0	ND	570.0	8187.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	17.0
708.0	194.8	469.5	633.8	4694.8	399.1	194.8	ND	539.9	7126.7	ND	ND	258.2	422.5	ND	1314.5	1737.1	ND	ND	46.9
708.0	215.4	638.5	438.5	5615.4	ND	100.0	ND	515.4	7523.1	ND	ND	123.1	15.4	NA	NA	15.4	ND	ND	15.4
708.0	166.2	600.3	461.8	3001.5	ND	ND	ND	415.6	4645.4	ND	ND	99.3	ND	ND	ND	ND	ND	ND	25.4
708.0	85.0	370.0	500.0	4900.0	ND	97.0	ND	470.0	6422.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	15.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
682.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
707.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	4086.7	ND	NA	4086.7	NA	ND	12948.0
707.0	ND	ND	31.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	6618.2	ND	NA	6618.2	ND	ND	NA
707.0	ND	ND	20.6	ND	ND	ND	ND	ND	ND	NA	NA	1237.1	3195.9	ND	NA	4433.0	ND	ND	6331.9
707.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.2	NA	ND	5354.5	ND	ND	5354.5	ND	ND	13245.5
707.0	ND	ND	13.0	ND	ND	ND	ND	NA	NA	74.0	NA	ND	4200.0	ND	ND	4200.0	NA	ND	NA
708.0	ND	ND	63.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	4460.1	ND	NA	4460.1	ND	ND	20827.0
708.0	ND	ND	15.4	ND	ND	ND	ND	ND	ND	NA	NA	1384.6	4076.9	ND	NA	5461.5	ND	ND	4486.9
708.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	71.6	NA	ND	1593.1	ND	ND	1593.1	ND	ND	9927.9
708.0	ND	ND	14.0	ND	ND	ND	ND	NA	NA	52.0	NA	ND	3200.0	ND	ND	3200.0	NA	ND	NA

* RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel

TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/23/90	ND	ND	ND	455.8	ND	273.5	303.8	395.0	30.4	1458.5	ND	ND	ND
708.5	Anaheim Bay/Navy Marsh 2	TCM	12/22/91	ND	NA	13.0	190.0	ND	96.0	120.0	140.0	ND	559.0	ND	57.0	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	70.3	ND	46.9	780.9	ND	1093.3	468.5	937.1	ND	3326.5	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	ND	ND	81.7	973.9	34.8	573.9	243.5	713.0	73.0	2693.9	114.8	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	55.6	595.2	15.9	500.0	293.7	293.7	15.9	1769.8	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	ND	ND	83.3	1387.9	49.1	1217.1	555.2	1153.1	94.0	4539.3	153.7	70.5	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	64.1	859.0	ND	743.6	256.4	769.2	38.5	2730.8	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/23/90	ND	ND	ND	1851.8	ND	1675.5	970.0	970.0	ND	5467.3	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/22/91	ND	NA	35.0	430.0	ND	250.0	230.0	420.0	25.0	1390.0	ND	56.0	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	ND	93.1	2095.2	52.4	1833.3	843.9	1746.0	128.0	6791.0	131.0	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
708.5	516.5	698.8	607.7	6380.8	ND	176.2	ND	941.9	9322.0	ND	ND	4253.8	ND	ND	ND	ND	ND	ND	60.8
708.5	98.0	210.0	450.0	5000.0	ND	120.0	ND	310.0	6188.0	ND	NA	68.0	ND	ND	ND	ND	ND	ND	18.0
710.2	429.5	1718.0	820.0	10542.3	ND	585.7	468.5	702.8	15266.8	ND	ND	390.5	780.9	ND	ND	780.9	ND	ND	89.8
710.2	243.5	1356.5	921.7	10956.5	ND	243.5	417.4	556.5	14695.7	ND	ND	330.4	260.9	ND	ND	260.9	ND	ND	26.1
710.2	261.9	666.7	460.3	5238.1	ND	246.0	1587.3	714.3	9174.6	ND	ND	150.8	ND	NA	NA	ND	ND	ND	ND
713.0	384.4	982.2	469.8	4697.6	277.6	875.5	427.1	198.6	8313.4	ND	ND	576.5	2049.9	1452.0	3416.4	6918.3	ND	ND	49.1
713.0	474.4	1666.7	756.4	6282.1	ND	ND	ND	846.2	10025.6	ND	ND	282.1	ND	ND	ND	ND	ND	ND	ND
713.0	599.6	2821.8	714.3	10581.8	ND	820.1	ND	846.5	16384.2	ND	ND	1322.7	88.2	ND	ND	88.2	ND	ND	ND
713.0	210.0	650.0	420.0	6100.0	ND	190.0	ND	330.0	7900.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	15.0
715.0	378.3	960.3	436.5	7275.1	145.5	785.7	ND	320.1	10301.6	ND	ND	843.9	611.1	ND	2706.3	3317.5	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
708.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	3342.3	ND	ND	3342.3	ND	ND	NA
708.5	ND	ND	18.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3000.0	ND	ND	3000.0	NA	ND	NA
710.2	ND	ND	195.2	29.3	ND	ND	ND	ND	ND	NA	NA	ND	7418.7	ND	NA	7418.7	ND	ND	NA
710.2	ND	ND	80.0	ND	ND	ND	ND	ND	ND	NA	NA	ND	7304.3	ND	NA	7304.3	ND	ND	NA
710.2	ND	ND	ND	ND	ND	23.8	ND	ND	ND	NA	NA	1746.0	4682.5	ND	NA	6428.6	ND	ND	NA
713.0	ND	ND	98.2	ND	42.7	ND	ND	ND	ND	NA	NA	ND	11317.0	ND	NA	11317.0	ND	ND	NA
713.0	ND	ND	ND	ND	ND	25.6	ND	ND	ND	NA	NA	ND	7307.7	ND	NA	7307.7	ND	ND	NA
713.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	264.5	NA	ND	8465.5	ND	ND	8465.5	ND	ND	74072.7
713.0	ND	ND	12.0	ND	ND	ND	ND	NA	NA	240.0	NA	880.0	5000.0	ND	ND	5880.0	NA	ND	NA
715.0	ND	ND	98.9	ND	40.7	ND	ND	ND	ND	NA	NA	ND	20370.3	ND	NA	20370.3	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	ND	ND	194.8	2478.7	83.2	1504.9	672.8	1770.5	159.3	6864.2	212.5	161.1	690.5
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	200.0	2350.0	50.0	2225.0	1050.0	1625.0	100.0	7600.0	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/23/90	ND	ND	ND	1900.0	ND	1636.1	1055.6	1266.7	68.6	5926.9	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/22/91	ND	NA	ND	680.0	ND	670.0	560.0	860.0	32.0	2802.0	ND	ND	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	ND	NA	44.0	590.0	24.0	590.0	340.0	580.0	ND	2168.0	340.0	75.0	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	ND	73.8	2953.0	ND	3187.9	1610.7	1946.3	ND	9771.8	ND	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	ND	ND	181.4	195.5	114.9	1169.1	463.6	1390.8	143.1	3658.4	705.5	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/22/91	ND	NA	ND	500.0	ND	540.0	440.0	880.0	100.0	2460.0	ND	ND	NA
719.1	Santa Ana River/Prado Dam	TFC	04/02/92	ND	NA	29.0	570.0	39.0	330.0	180.0	180.0	33.0	1361.0	1600.0	3200.0	NA
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	ND	NA	25.0	130.0	21.0	140.0	38.0	75.0	28.0	457.0	570.0	1400.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
715.0	513.4	2832.8	903.0	13455.7	ND	138.1	548.9	460.3	18852.2	ND	ND	903.0	194.8	ND	ND	194.8	ND	ND	ND
715.0	475.0	2100.0	1750.0	11000.0	ND	125.0	1700.0	1500.0	18650.0	ND	ND	875.0	50.0	ND	ND	50.0	ND	ND	ND
715.0	517.2	1847.2	580.6	7916.7	ND	ND	ND	406.4	11268.0	ND	ND	1055.6	ND	ND	ND	ND	ND	ND	ND
715.0	200.0	450.0	390.0	8700.0	ND	ND	ND	390.0	10130.0	ND	NA	390.0	ND	ND	ND	ND	ND	ND	ND
715.0	110.0	400.0	150.0	5200.0	160.0	700.0	ND	520.0	7240.0	ND	NA	320.0	ND	ND	ND	ND	ND	ND	ND
717.0	ND	1107.4	436.2	5033.5	ND	503.4	ND	973.2	8053.7	NA	NA	1275.2	ND	ND	ND	ND	ND	ND	ND
717.0	116.9	3225.0	524.1	7457.8	ND	155.2	685.3	524.1	12688.4	ND	ND	806.3	32.3	ND	ND	32.3	ND	ND	ND
717.0	520.0	2300.0	1200.0	15000.0	ND	ND	680.0	1000.0	20700.0	ND	NA	700.0	ND	ND	ND	ND	ND	ND	ND
719.1	270.0	620.0	130.0	3900.0	420.0	2900.0	ND	ND	8240.0	ND	NA	630.0	150.0	330.0	400.0	880.0	ND	ND	40.0
719.1	110.0	360.0	69.0	2300.0	70.0	250.0	ND	190.0	3349.0	ND	NA	250.0	42.0	33.0	200.0	275.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
715.0	ND	ND	92.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	11685.3	ND	NA	11685.3	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	3000.0	11750.0	ND	NA	14750.0	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	258.6	NA	ND	5119.4	ND	ND	5119.4	ND	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	220.0	NA	ND	8700.0	ND	ND	8700.0	NA	ND	NA
715.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	150.0	NA	960.0	4500.0	1100.0	ND	6600.0	NA	3400.0	NA
717.0	NA	NA	NA	ND	161.1	ND	NA	NA	NA	NA	NA	ND	19463.1	ND	NA	19463.1	NA	ND	NA
717.0	ND	ND	133.0	ND	ND	28.2	ND	ND	ND	NA	NA	ND	8264.1	ND	NA	8264.1	ND	ND	NA
717.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	210.0	NA	12000.0	58000.0	ND	ND	70000.0	NA	ND	NA
719.1	ND	ND	110.0	ND	36.0	11.0	ND	NA	NA	4500.0	NA	2700.0	2700.0	1600.0	ND	7000.0	NA	ND	NA
719.1	ND	ND	89.0	11.0	31.0	11.0	ND	NA	NA	570.0	NA	1400.0	900.0	ND	ND	2300.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
720.5	Newport Bay/Offshore Ref	TCM	12/21/90	ND	ND	ND	138.5	ND	51.9	67.3	80.8	ND	338.5	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	ND	ND	963.0	ND	1037.0	296.3	703.7	77.8	3076.9	ND	207.4	ND
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	ND	ND	316.6	ND	244.7	102.2	302.2	28.8	994.5	77.7	532.5	ND
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	402.8	ND	375.0	208.3	291.7	41.7	1319.4	ND	ND	ND
721.0	Newport Bay/Entrance	TCM	12/21/90	ND	ND	ND	234.3	ND	219.9	108.2	140.6	ND	703.0	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	ND	ND	34.9	801.7	ND	784.3	ND	714.6	80.2	2416.1	ND	191.7	ND
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	60.2	662.7	ND	566.3	241.0	433.7	48.2	2012.0	ND	180.7	ND
723.0	Newport Bay/Bay Island	TCM	12/21/90	ND	ND	ND	572.2	ND	495.9	267.0	362.4	38.1	1735.7	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/22/91	ND	NA	15.0	420.0	ND	370.0	230.0	490.0	44.0	1569.0	ND	ND	NA
723.4	Newport Bay/Turning Basin	TCM	12/21/87	25.1	ND	75.3	1682.0	40.2	1631.8	627.6	1631.8	225.9	5914.4	238.5	502.1	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
720.5	98.1	211.5	250.0	2115.4	ND	ND	ND	211.5	2886.5	ND	ND	59.6	ND	ND	ND	ND	ND	ND	63.5
721.0	359.3	1629.6	277.8	9259.3	174.1	740.7	ND	814.8	13256.4	ND	ND	370.4	2185.2	1111.1	13703.7	17000.0	ND	ND	70.4
721.0	230.3	978.7	316.6	5469.2	ND	72.0	ND	403.0	7469.7	ND	ND	201.5	172.7	ND	ND	172.7	ND	ND	30.2
721.0	194.4	902.8	277.8	4722.2	ND	111.1	ND	486.1	6694.4	ND	ND	194.4	ND	NA	NA	ND	ND	ND	41.7
721.0	ND	685.0	274.0	3605.3	ND	ND	ND	284.8	4849.1	ND	ND	183.9	ND	ND	ND	ND	ND	ND	ND
723.0	418.3	2440.0	400.9	10980.1	ND	366.0	418.3	592.6	15616.2	ND	ND	296.3	766.9	557.7	2265.7	3590.3	ND	ND	38.3
723.0	349.4	2289.2	807.2	9879.5	ND	96.4	1686.7	1036.1	16144.6	ND	ND	385.5	60.2	ND	ND	60.2	ND	ND	36.1
723.0	267.0	1640.4	343.3	5722.2	ND	ND	ND	362.4	8335.4	ND	ND	289.9	ND	ND	ND	ND	ND	ND	ND
723.0	210.0	1900.0	360.0	12000.0	ND	180.0	ND	630.0	15280.0	ND	NA	240.0	ND	ND	ND	ND	ND	ND	ND
723.4	753.2	3263.7	853.6	9791.0	138.1	577.4	878.7	577.4	16833.0	ND	ND	778.3	2058.6	1179.9	4518.9	7757.5	ND	ND	27.6

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
720.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.2	NA	ND	2115.4	ND	ND	2115.4	ND	ND	NA
721.0	ND	ND	55.6	ND	ND	ND	ND	ND	ND	NA	NA	ND	11851.8	ND	NA	11851.8	ND	ND	NA
721.0	ND	ND	74.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	2734.6	ND	NA	2734.6	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	351.0	NA	ND	3611.1	ND	NA	3611.1	ND	ND	NA
721.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	72.1	NA	ND	1586.3	ND	ND	1586.3	ND	ND	NA
723.0	ND	ND	62.7	ND	19.2	ND	ND	ND	ND	NA	NA	ND	9237.3	ND	NA	9237.3	ND	ND	NA
723.0	ND	ND	72.3	ND	ND	ND	ND	ND	ND	1438.0	NA	2168.7	5662.7	ND	NA	7831.3	ND	ND	33933.6
723.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	381.5	NA	ND	2708.5	ND	ND	2708.5	ND	ND	68666.7
723.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	290.0	NA	810.0	6100.0	ND	ND	6910.0	NA	ND	NA
723.4	ND	ND	97.9	ND	47.7	ND	ND	ND	ND	NA	NA	ND	15314.2	ND	NA	15314.2	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	ND	ND	927.2	ND	683.2	414.8	683.2	ND	2708.4	ND	1000.4	ND
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	42.9	757.1	28.6	642.9	314.3	428.6	42.9	2257.1	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/90	ND	ND	36.5	1716.5	ND	913.0	657.4	1241.7	105.9	4671.1	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/22/91	ND	NA	55.0	940.0	ND	870.0	600.0	1200.0	ND	3665.0	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	ND	132.6	1616.6	159.6	2072.5	1119.2	1616.6	91.2	6808.2	414.5	248.7	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	ND	ND	86.8	1193.4	ND	813.7	379.7	940.3	112.1	3526.0	271.2	1392.3	904.1
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	24.7	703.7	ND	629.6	345.7	543.2	49.4	2296.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/90	ND	ND	ND	930.0	ND	3720.0	434.0	620.0	52.7	5756.7	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/22/91	ND	NA	33.0	440.0	ND	590.0	380.0	870.0	60.0	2373.0	ND	ND	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	ND	NA	29.0	820.0	ND	710.0	320.0	610.0	120.0	2609.0	2000.0	140.0	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
723.4	317.2	2562.0	366.0	5612.0	ND	117.1	ND	610.0	9584.3	ND	ND	658.8	439.2	ND	ND	439.2	ND	ND	ND
723.4	257.1	1428.6	228.6	7000.0	ND	ND	ND	371.4	9285.7	ND	ND	214.3	28.6	NA	NA	28.6	ND	ND	ND
723.4	303.1	2812.2	ND	10591.3	ND	ND	ND	803.5	14510.1	ND	ND	840.0	ND	ND	ND	ND	ND	ND	ND
723.4	530.0	2400.0	640.0	16000.0	ND	ND	ND	800.0	20370.0	ND	NA	640.0	ND	ND	ND	ND	ND	ND	ND
724.0	1533.7	3937.8	1160.6	15336.7	ND	1575.1	3316.0	2279.8	29139.6	NA	NA	1326.4	5388.6	NA	NA	5388.5	ND	NA	ND
724.0	560.5	3978.1	560.5	19890.4	ND	101.3	560.5	1121.1	26772.5	ND	ND	741.4	361.6	ND	ND	361.6	ND	ND	ND
724.0	469.1	2345.7	382.7	17283.9	ND	ND	518.5	728.4	21728.4	ND	ND	395.1	37.0	NA	NA	37.0	ND	ND	ND
724.0	496.0	1891.0	558.0	11160.0	ND	ND	ND	713.0	14818.0	ND	ND	558.0	ND	ND	ND	ND	ND	ND	ND
724.0	470.0	2800.0	570.0	19000.0	ND	ND	ND	980.0	23820.0	ND	NA	360.0	ND	ND	ND	ND	ND	ND	ND
724.0	290.0	1100.0	230.0	14000.0	290.0	1800.0	ND	650.0	18360.0	ND	NA	590.0	ND	ND	230.0	230.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
723.4	ND	ND	148.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	6100.0	ND	NA	6100.0	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1054.0	NA	1571.4	6714.3	ND	NA	8285.7	ND	ND	NA
723.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	511.3	NA	ND	14608.7	ND	ND	14608.7	ND	ND	193565.3
723.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	400.0	NA	2800.0	18000.0	ND	ND	20800.0	NA	ND	NA
724.0	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	8290.1	ND	NA	8290.1	NA	ND	NA
724.0	ND	ND	128.4	ND	ND	ND	ND	ND	ND	NA	NA	ND	7232.9	ND	NA	7232.9	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1486.0	NA	ND	5925.9	ND	NA	5925.9	ND	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	303.8	NA	ND	5270.0	ND	ND	5270.0	ND	ND	102300.0
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	350.0	NA	980.0	9400.0	ND	ND	10380.0	NA	ND	NA
724.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	400.0	NA	ND	4800.0	460.0	ND	5300.0	NA	9400.0	42000.0

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RFC = Resident Fresh Water Clam

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ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	47.6	920.6	ND	650.8	476.2	761.9	111.1	2968.3	ND	79.4	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/90	ND	ND	42.0	930.0	ND	450.0	330.0	870.0	54.0	2676.0	ND	75.0	ND
725.0	Newport Bay/Crows Nest	TCM	12/22/91	ND	NA	ND	410.0	ND	520.0	410.0	910.0	96.0	2346.0	120.0	ND	NA
725.0	Newport Bay/Crows Nest	TCM	01/05/93	ND	NA	34.0	850.0	ND	600.0	400.0	630.0	220.0	2734.0	380.0	ND	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	ND	27.0	756.0	ND	558.0	234.0	684.0	66.6	2325.6	198.0	1314.0	594.0
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	ND	ND	331.1	1568.4	59.3	1254.7	ND	1185.0	ND	4398.2	505.4	1097.9	784.2

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	444.4	2381.0	857.1	8095.2	ND	317.5	ND	1079.4	13174.6	ND	ND	619.0	31.7	NA	NA	31.7	ND	ND	31.7
725.0	450.0	1380.0	ND	8700.0	ND	ND	ND	750.0	11280.0	ND	ND	720.0	ND	ND	ND	ND	ND	ND	ND
725.0	490.0	2200.0	1200.0	15000.0	ND	ND	640.0	1100.0	20630.0	ND	NA	690.0	ND	ND	ND	ND	ND	ND	ND
725.0	300.0	1400.0	200.0	11000.0	120.0	420.0	ND	670.0	14110.0	ND	NA	1100.0	ND	ND	ND	ND	ND	ND	ND
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.2	252.0	2052.0	360.0	9360.0	ND	ND	ND	558.0	12582.0	ND	ND	558.0	432.0	ND	ND	432.0	ND	ND	ND
726.4	1097.9	6970.6	766.8	14986.8	ND	1028.2	1916.9	1150.1	27917.3	ND	ND	627.4	2962.5	ND	ND	2962.5	ND	540.2	43.6

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	46753.2	ND	NA	46753.2	NA	NA	248305.0
725.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3597.1	55014.5	ND	NA	58611.6	NA	NA	NA
725.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1321.0	NA	20634.9	44444.4	ND	NA	65079.4	ND	ND	103098.5
725.0	ND	ND	ND	ND	33.0	ND	ND	ND	ND	330.0	NA	8100.0	45000.0	ND	ND	53100.0	ND	ND	273000.0
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	330.0	NA	12000.0	55000.0	ND	ND	67000.0	NA	ND	NA
725.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	6800.0	33000.0	ND	ND	40000.0	NA	ND	120000.0
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	19354.6	ND	NA	19354.6	NA	NA	159440.0
726.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	51622.6	ND	NA	51622.6	NA	NA	NA
726.2	ND	ND	106.2	ND	ND	ND	ND	ND	ND	NA	NA	ND	3600.0	ND	NA	3600.0	ND	ND	NA
726.4	ND	ND	209.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	6970.6	ND	NA	6970.6	ND	ND	NA

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NA = Not Analyzed
ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	ND	44.9	940.0	ND	662.3	256.4	662.3	85.5	2651.2	256.4	1046.8	726.4
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	76.9	711.5	ND	557.7	384.6	826.9	96.2	2653.8	173.1	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/90	ND	ND	ND	727.7	ND	535.1	299.6	556.5	72.8	2191.7	ND	ND	ND
726.4	Newport Bay/Rhine Channel/End	TCM	12/22/91	ND	NA	ND	440.0	ND	360.0	310.0	660.0	49.0	1819.0	ND	ND	NA
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	ND	NA	ND	330.0	ND	400.0	130.0	310.0	33.0	1203.0	100.0	ND	NA
727.0	Garden Grove/Wintersburg Channel	TFC	01/23/91	ND	ND	59.8	361.1	113.5	319.8	185.7	350.7	10.3	1400.9	722.1	28.9	2372.6
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	ND	NA	14.0	120.0	14.0	81.0	57.0	110.0	18.0	414.0	760.0	110.0	NA
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	ND	ND	106.9	658.1	ND	90.5	ND	767.7	ND	1623.2	137.1	1371.0	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	81.6	775.5	112.2	591.8	285.7	316.3	20.4	2183.7	2040.8	2959.2	ND
728.4	Upper Newport Bay/MacArthur	TFC	01/23/91	ND	ND	68.9	799.2	107.0	577.9	258.2	700.8	30.7	2542.6	1229.5	528.7	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
726.4	534.1	2093.6	277.7	11963.6	ND	405.9	448.6	320.5	16044.1	ND	ND	875.9	160.2	ND	4486.4	4646.6	ND	897.3	ND
726.4	365.4	1596.2	1807.7	9807.7	ND	ND	846.2	1057.7	15480.8	ND	ND	576.9	38.5	ND	ND	38.5	ND	ND	ND
726.4	ND	1027.4	920.4	4922.8	ND	ND	ND	ND	6870.5	ND	ND	342.5	ND	ND	ND	ND	ND	ND	ND
726.4	350.0	1600.0	1000.0	9500.0	ND	ND	480.0	190.0	13120.0	ND	NA	410.0	ND	ND	ND	ND	ND	ND	ND
726.4	81.0	120.0	220.0	3000.0	ND	220.0	ND	500.0	4141.0	ND	NA	160.0	ND	ND	ND	ND	ND	ND	22.0
727.0	175.4	309.5	ND	1134.7	175.4	887.2	ND	288.8	2970.9	ND	ND	557.1	ND	ND	ND	ND	ND	ND	ND
727.0	110.0	260.0	65.0	1400.0	26.0	97.0	ND	140.0	2098.0	ND	NA	96.0	ND	ND	58.0	58.0	ND	ND	ND
728.4	370.2	3290.3	164.5	19193.6	1645.2	4798.4	ND	370.2	29832.3	ND	ND	493.5	603.2	10008.1	24677.4	35288.7	ND	ND	ND
728.4	765.3	1836.7	295.9	7959.2	285.7	2959.2	ND	285.7	14387.8	ND	ND	244.9	918.4	836.7	2244.9	4000.0	ND	ND	ND
728.4	541.0	2459.0	221.3	7008.2	799.2	2950.8	ND	479.5	14459.0	ND	6516.4	270.5	ND	ND	1094.3	1094.3	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
726.4	ND	ND	121.8	ND	ND	ND	ND	ND	ND	NA	NA	ND	2029.5	ND	NA	2029.5	ND	ND	NA
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1193.0	NA	17307.7	76923.1	ND	NA	94230.8	ND	ND	149853.9
726.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	111.3	NA	ND	27824.6	ND	ND	27824.6	ND	ND	107017.5
726.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	300.0	NA	8500.0	41000.0	ND	ND	49500.0	NA	ND	NA
726.4	ND	ND	26.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	3100.0	380.0	ND	3500.0	NA	ND	42000.0
727.0	ND	ND	ND	ND	13.4	28.9	ND	ND	ND	2991.6	NA	515.8	2578.9	ND	ND	3094.7	ND	ND	NA
727.0	ND	ND	ND	ND	ND	7.5	ND	NA	NA	470.0	NA	310.0	1000.0	ND	ND	1300.0	NA	ND	NA
728.4	ND	ND	ND	ND	ND	27.4	ND	ND	ND	NA	NA	ND	3701.6	ND	NA	3701.6	ND	ND	NA
728.4	ND	ND	51.0	ND	ND	40.8	ND	ND	ND	26714.0	NA	ND	4387.8	ND	NA	4387.8	ND	12244.9	NA
728.4	ND	ND	ND	ND	49.2	22.1	ND	ND	ND	9836.1	NA	ND	3688.5	ND	ND	3688.5	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	ND	NA	16.0	170.0	34.0	120.0	68.0	130.0	24.0	562.0	2200.0	430.0	NA
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	78.7	708.7	102.4	614.2	259.8	259.8	15.7	2039.4	1968.5	2362.2	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	ND	177.8	1185.2	ND	888.9	ND	1259.3	69.6	3580.9	ND	503.7	ND
728.7	Upper Newport Bay/Drain 4	TFC	01/23/91	ND	ND	44.9	563.5	74.1	396.5	271.3	396.5	ND	1746.8	3965.2	1043.5	ND
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	ND	NA	19.0	220.0	49.0	140.0	91.0	160.0	38.0	717.0	3500.0	370.0	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	ND	129.1	1376.6	249.5	1892.9	946.4	1376.6	49.9	6020.9	3355.6	1118.5	ND
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	31.9	234.0	53.2	234.0	276.6	234.0	ND	1063.8	212.8	ND	ND
735.0	Corona Del Mar	RCM	12/26/90	ND	ND	ND	248.9	ND	258.0	99.6	162.9	ND	769.5	ND	ND	ND
735.0	Corona Del Mar	RCM	11/29/91	ND	NA	ND	51.0	ND	ND	ND	100.0	ND	151.0	150.0	ND	NA
740.0	Dana Point Harbor/Boat Yard	TCM	12/21/91	ND	NA	ND	94.0	ND	66.0	48.0	85.0	ND	293.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
728.4	130.0	330.0	65.0	2100.0	140.0	810.0	ND	250.0	3825.0	ND	NA	150.0	ND	ND	160.0	160.0	ND	ND	ND
728.5	700.8	2519.7	157.5	6141.7	ND	ND	ND	141.7	9661.4	ND	ND	110.2	732.3	700.8	2126.0	3559.1	ND	ND	ND
728.6	1037.0	4666.7	888.9	18518.5	2000.0	7185.2	ND	333.3	34629.6	2000.0	22962.9	303.7	10370.4	ND	ND	10370.4	ND	ND	28.1
728.7	427.8	1669.6	187.8	3756.5	490.4	2087.0	ND	125.2	8744.3	594.8	39652.2	146.1	ND	ND	ND	ND	ND	ND	ND
728.7	87.0	350.0	87.0	3100.0	360.0	1500.0	ND	300.0	5784.0	ND	NA	240.0	ND	ND	140.0	140.0	ND	ND	ND
728.8	344.2	826.0	137.7	7915.7	3613.7	10324.8	ND	ND	23162.0	NA	NA	275.3	ND	NA	NA	ND	ND	NA	ND
728.9	ND	ND	ND	2553.2	180.9	1489.4	ND	ND	4223.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
735.0	ND	814.7	ND	3440.0	ND	ND	ND	262.5	4517.3	ND	ND	239.9	ND	NA	NA	ND	ND	ND	135.8
735.0	ND	ND	160.0	2500.0	ND	ND	ND	250.0	2910.0	ND	NA	82.0	ND	ND	ND	ND	ND	ND	43.0
740.0	ND	72.0	73.0	980.0	ND	ND	ND	ND	1125.0	ND	NA	26.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
728.4	ND	ND	ND	ND	18.0	12.0	ND	NA	NA	3200.0	NA	380.0	800.0	160.0	ND	1300.0	NA	5400.0	NA
728.5	ND	ND	39.4	ND	23.6	23.6	ND	ND	ND	24756.0	NA	ND	2677.2	ND	NA	2677.2	ND	7874.0	NA
728.6	ND	ND	65.2	43.7	61.5	81.5	ND	ND	ND	NA	ND	ND	1111.1	ND	NA	1111.1	74.1	22962.9	NA
728.7	ND	ND	ND	ND	ND	61.6	ND	ND	ND	3547.8	NA	ND	1356.5	ND	ND	1356.5	ND	ND	NA
728.7	ND	ND	ND	ND	27.0	13.0	ND	NA	NA	1600.0	NA	350.0	1000.0	ND	ND	1300.0	NA	8600.0	NA
728.8	NA	NA	NA	ND	ND	22.4	NA	NA	NA	NA	NA	ND	ND	ND	NA	ND	NA	ND	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	1899.0	NA	ND	1063.8	361.7	NA	1478.7	ND	4042.6	NA
735.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	8600.0	ND	ND	8600.0	ND	ND	NA
735.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2000.0	ND	ND	2000.0	NA	ND	NA
740.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	2400.0	ND	ND	2400.0	NA	ND	41000.0

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	77.6	ND	51.0	ND	39.9	ND	168.5	ND	ND	ND
744.1	San Onofre 1	TCM	09/27/90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/12/91	ND	ND	ND	151.0	ND	97.7	44.4	59.2	ND	352.3	ND	ND	ND
744.1	San Onofre 1	TCM	10/24/91	ND	NA	ND	62.0	ND	16.0	ND	79.0	ND	157.0	ND	26.0	NA
744.1	San Onofre 1	TCM	03/25/92	ND	NA	ND	95.0	ND	40.0	28.0	45.0	ND	208.0	ND	ND	NA
744.2	San Onofre 2	TCM	01/30/89	ND	ND	ND	37.5	ND	44.0	ND	16.3	ND	97.8	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	51.9	ND	37.0	ND	59.3	ND	148.1	ND	ND	ND
744.2	San Onofre 2	TCM	10/01/90	ND	ND	ND	33.6	ND	24.0	ND	ND	ND	81.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	ND	ND	ND	142.5	ND	99.3	43.3	86.5	ND	371.6	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	ND	NA	ND	79.0	ND	36.0	17.0	69.0	ND	201.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
744.1	ND	ND	84.3	1263.9	ND	ND	ND	ND	1348.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.1
744.1	ND	93.9	ND	727.5	ND	ND	ND	ND	821.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.2
744.1	ND	263.5	ND	2694.3	ND	ND	ND	ND	2957.8	ND	ND	29.6	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	170.0	1900.0	ND	ND	ND	130.0	2200.0	ND	NA	92.0	ND	ND	ND	ND	ND	ND	ND
744.1	92.0	120.0	160.0	2100.0	ND	140.0	ND	190.0	2802.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	27.0
744.2	81.5	122.2	ND	733.3	ND	ND	ND	ND	937.0	ND	ND	37.5	37.5	ND	ND	37.5	ND	ND	70.1
744.2	ND	44.4	66.7	814.8	ND	59.3	ND	ND	985.2	ND	ND	81.5	ND	ND	ND	ND	ND	ND	59.3
744.2	ND	100.8	ND	624.0	ND	ND	ND	ND	724.8	ND	ND	28.8	ND	ND	ND	ND	ND	ND	120.0
744.2	ND	216.4	ND	2545.5	ND	ND	ND	178.2	2940.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.2
744.2	ND	170.0	150.0	1900.0	ND	98.0	ND	ND	2318.0	ND	NA	92.0	ND	ND	ND	ND	ND	ND	30.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	332.6	ND	NA	332.6	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	621.8	ND	ND	621.8	ND	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	1000.0	ND	ND	1000.0	NA	ND	NA
744.1	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	163.0	ND	NA	163.0	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	577.8	ND	NA	577.8	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	5520.0	NA
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	661.8	ND	ND	661.8	ND	ND	NA
744.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	480.0	ND	ND	480.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	43.5	ND	ND	ND	ND	ND	43.5	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	28.6	ND	ND	ND	14.3	ND	42.9	ND	35.7	ND
744.3	San Onofre 3	TCM	09/27/90	ND	ND	ND	23.4	ND	19.8	ND	32.4	ND	75.6	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	ND	ND	ND	74.3	ND	58.3	17.5	37.9	ND	188.0	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	NA	ND	77.0	ND	32.0	ND	65.0	ND	174.0	ND	ND	NA
744.4	San Onofre 4	TCM	01/30/89	ND	ND	ND	60.5	ND	34.2	18.4	23.7	ND	136.8	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	30.1	ND	30.1	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	33.7	ND	22.5	11.2	16.9	ND	84.3	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	ND	ND	ND	88.1	ND	61.2	ND	51.4	ND	200.8	ND	ND	ND
744.4	San Onofre 4	TCM	10/24/91	ND	NA	ND	64.0	ND	19.0	ND	30.0	ND	113.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
744.3	ND	ND	ND	617.4	ND	ND	ND	ND	617.4	ND	ND	26.1	ND	ND	ND	ND	ND	ND	43.5
744.3	71.4	207.1	64.3	1142.9	ND	ND	ND	ND	1485.7	ND	ND	21.4	ND	ND	ND	ND	ND	ND	50.0
744.3	ND	102.6	102.6	486.0	ND	ND	ND	ND	691.2	ND	ND	ND	ND	ND	NA	ND	NA	ND	82.8
744.3	ND	116.6	ND	1457.6	ND	104.9	ND	145.8	1824.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	320.7
744.3	ND	150.0	150.0	1900.0	ND	66.0	ND	81.0	2347.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	22.0
744.4	ND	84.2	51.3	1052.4	ND	ND	ND	ND	1187.9	ND	ND	34.2	ND	ND	ND	ND	ND	ND	64.5
744.4	ND	82.7	82.7	646.6	ND	97.7	ND	ND	909.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.2
744.4	ND	78.7	89.9	786.5	ND	50.6	ND	84.3	1089.9	ND	ND	112.4	11.2	ND	ND	11.2	ND	ND	28.1
744.4	ND	ND	ND	1689.3	ND	ND	ND	ND	1689.3	ND	ND	26.9	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	110.0	1400.0	ND	ND	ND	ND	1510.0	ND	NA	57.0	ND	ND	ND	ND	ND	ND	18.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	313.0	ND	NA	313.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	257.1	ND	NA	257.1	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	180.0	ND	ND	180.0	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	466.4	ND	ND	466.4	ND	ND	NA
744.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	450.0	ND	ND	450.0	NA	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	263.1	ND	NA	263.1	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	526.3	ND	NA	526.3	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	151.7	ND	NA	151.7	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	400.0	ND	ND	400.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.4	San Onofre 4	TCM	03/25/92	ND	NA	ND	74.0	ND	57.0	14.0	65.0	ND	210.0	ND	ND	NA
744.5	San Onofre 5	TCM	01/30/89	ND	ND	ND	49.8	ND	42.7	ND	ND	ND	92.5	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	ND	ND	13.9	ND	13.9	ND	27.8	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	12.9	ND	ND	ND	12.9	ND	25.8	ND	ND	ND
744.5	San Onofre 5	TCM	10/01/90	ND	ND	ND	33.0	ND	33.0	ND	ND	ND	65.9	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	ND	ND	ND	111.5	ND	58.9	25.2	42.1	ND	237.6	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	NA	ND	69.0	ND	35.0	18.0	69.0	ND	191.0	ND	ND	NA
744.6	San Onofre 6	TCM	01/30/89	ND	ND	ND	60.7	ND	43.3	ND	39.9	ND	143.9	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	ND	ND	ND	ND	25.3	ND	25.3	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	52.3	ND	13.1	ND	13.1	ND	78.4	ND	ND	ND

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
744.4	ND	110.0	130.0	1800.0	ND	170.0	ND	ND	2210.0	ND	NA	182.0	ND	ND	ND	ND	ND	ND	21.0
744.5	ND	ND	ND	925.5	ND	ND	ND	ND	925.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.8
744.5	ND	55.6	62.5	833.3	55.6	90.3	ND	ND	1097.2	ND	ND	69.4	ND	ND	ND	ND	ND	ND	48.6
744.5	ND	77.4	71.0	967.7	ND	ND	ND	ND	1116.1	ND	ND	12.9	ND	ND	ND	ND	ND	ND	ND
744.5	ND	162.1	ND	879.1	ND	ND	ND	ND	1041.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	162.1
744.5	ND	119.9	ND	1682.4	ND	ND	ND	ND	1802.2	ND	ND	27.3	ND	ND	ND	ND	ND	ND	31.5
744.5	ND	100.0	140.0	1800.0	ND	150.0	ND	74.0	2264.0	ND	NA	79.0	ND	ND	ND	ND	ND	ND	23.0
744.6	ND	91.9	76.3	710.7	ND	ND	ND	ND	878.8	ND	ND	ND	ND	NA	NA	ND	ND	ND	79.7
744.6	ND	ND	113.9	759.5	ND	50.6	ND	ND	924.1	ND	ND	82.3	ND	ND	ND	ND	ND	ND	ND
744.6	ND	176.5	65.4	915.0	ND	ND	ND	ND	1156.9	ND	ND	32.7	ND	ND	ND	ND	ND	ND	32.7

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	690.0	ND	ND	690.0	NA	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	284.8	ND	NA	284.8	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	548.6	ND	NA	548.6	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	174.2	ND	NA	174.2	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	274.7	ND	ND	274.7	ND	ND	NA
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	336.5	ND	ND	336.5	ND	ND	NA
744.5	ND	ND	11.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	730.0	ND	ND	730.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	173.3	ND	NA	173.3	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
744.6	ND	ND	13.1	ND	ND	ND	ND	ND	ND	NA	NA	ND	150.3	ND	NA	150.3	ND	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals In Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
744.6	San Onofre 6	TCM	09/27/90	ND	ND	ND	30.6	ND	21.0	ND	25.8	ND	77.4	ND	ND	ND
744.6	San Onofre 6	TCM	03/12/91	ND	ND	ND	74.7	ND	43.0	22.4	44.8	ND	185.0	ND	ND	ND
744.6	San Onofre 6	TCM	10/24/91	ND	NA	ND	76.0	ND	ND	ND	ND	ND	76.0	ND	ND	NA
744.6	San Onofre 6	TCM	03/25/92	ND	NA	ND	74.0	ND	25.0	17.0	43.0	ND	159.0	ND	ND	NA
748.0	Oceanside/Harbor	TCM	12/21/91	ND	NA	ND	140.0	ND	ND	55.0	93.0	ND	288.0	ND	ND	NA
750.0	Oceanside	RCM	12/21/87	ND	ND	ND	ND	ND	ND	100.0	195.0	ND	294.1	ND	ND	ND
750.0	Oceanside	RCM	12/20/88	ND	ND	ND	87.5	ND	105.0	ND	95.0	ND	287.5	ND	ND	ND
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	387.1	ND	258.1	64.5	96.8	ND	806.5	ND	ND	ND
750.0	Oceanside	RCM	12/22/90	ND	ND	ND	51.5	ND	66.5	23.6	53.7	ND	195.3	ND	ND	ND
750.0	Oceanside	RCM	12/21/91	ND	NA	ND	59.0	ND	ND	ND	ND	ND	59.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
744.6	ND	69.3	85.5	419.3	ND	ND	ND	ND	574.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.0
744.6	ND	ND	ND	1663.1	ND	171.9	ND	130.8	1965.9	ND	ND	31.8	ND	ND	ND	ND	ND	ND	31.8
744.6	ND	ND	93.0	1200.0	ND	ND	ND	ND	1293.0	ND	NA	100.0	ND	ND	ND	ND	ND	ND	ND
744.6	ND	110.0	160.0	1800.0	ND	57.0	ND	ND	2127.0	ND	NA	93.0	ND	ND	ND	ND	ND	ND	27.0
748.0	ND	210.0	200.0	2700.0	ND	ND	ND	ND	3110.0	ND	NA	90.0	ND	ND	ND	ND	ND	ND	ND
750.0	ND	165.0	ND	2050.0	ND	240.0	ND	ND	2555.9	ND	ND	100.0	155.0	ND	2650.0	2805.9	ND	ND	250.0
750.0	ND	177.5	ND	925.0	ND	ND	ND	ND	1102.5	ND	ND	107.5	125.0	ND	ND	125.0	ND	ND	125.0
750.0	ND	290.3	ND	1225.8	ND	354.8	ND	ND	1871.0	ND	ND	161.3	64.5	NA	NA	64.5	ND	ND	129.0
750.0	ND	236.1	ND	665.3	ND	ND	ND	ND	901.3	ND	ND	ND	21.5	ND	ND	21.5	ND	ND	27.9
750.0	ND	ND	ND	810.0	ND	ND	ND	ND	810.0	ND	NA	41.0	33.0	ND	ND	33.0	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	241.9	ND	ND	241.9	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	411.1	ND	ND	411.1	ND	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	310.0	ND	ND	310.0	NA	ND	NA
744.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	580.0	ND	ND	580.0	NA	ND	NA
748.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	8200.0	ND	ND	8200.0	NA	ND	32000.0
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1250.0	ND	NA	1250.0	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2387.1	ND	NA	2387.1	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1158.9	ND	ND	1158.9	ND	ND	NA
750.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	440.0	ND	ND	440.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
750.0	Oceanside	RCM	09/09/92	ND	NA	ND	66.0	ND	70.0	26.0	45.0	ND	207.0	ND	ND	NA
832.0	La Jolla	RCM	12/22/90	ND	ND	ND	45.0	ND	45.0	ND	29.1	ND	119.3	ND	ND	ND
832.0	La Jolla	RCM	11/26/91	ND	NA	ND	43.0	ND	53.0	ND	ND	ND	96.0	ND	ND	NA
832.0	La Jolla	RCM	01/05/93	ND	NA	ND	58.0	ND	48.0	ND	39.0	ND	145.0	ND	ND	NA
838.2	Point Loma/Sunset Cliffs	RCM	12/22/90	ND	ND	ND	70.0	ND	77.0	38.5	56.0	ND	241.5	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	485.7	ND	285.7	257.1	257.1	85.7	1371.4	ND	ND	ND
866.0	Fisherman Channel	TCM	12/22/90	ND	ND	ND	66.2	ND	60.5	45.4	43.5	ND	215.6	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	169.8	ND	132.1	94.3	37.7	ND	434.0	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/22/90	ND	ND	ND	107.3	ND	93.9	83.2	77.8	ND	362.3	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/91	ND	NA	ND	110.0	ND	27.0	48.0	63.0	ND	248.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
750.0	ND	68.0	73.0	1300.0	ND	120.0	ND	ND	1561.0	ND	NA	54.0	25.0	ND	ND	25.0	ND	ND	39.0
832.0	ND	ND	ND	182.9	ND	ND	ND	ND	182.9	ND	ND	26.5	ND	NA	NA	ND	ND	ND	63.6
832.0	ND	ND	ND	290.0	ND	ND	ND	ND	290.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	61.0
832.0	ND	ND	ND	360.0	ND	ND	ND	ND	360.0	ND	NA	66.0	ND	ND	ND	ND	ND	ND	ND
838.2	ND	ND	ND	560.0	ND	ND	ND	ND	560.0	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
865.0	ND	171.4	ND	257.1	ND	ND	ND	ND	428.6	ND	ND	428.6	ND	ND	ND	ND	ND	ND	ND
866.0	ND	68.1	ND	227.0	ND	ND	ND	ND	295.1	ND	ND	39.7	ND	NA	NA	ND	ND	ND	18.9
868.5	ND	113.2	ND	471.7	ND	ND	ND	ND	584.9	ND	ND	132.1	ND	ND	ND	ND	ND	ND	ND
868.5	ND	126.1	ND	429.4	ND	ND	ND	ND	555.5	ND	ND	75.1	ND	NA	NA	ND	ND	ND	ND
868.5	ND	ND	ND	830.0	ND	ND	ND	ND	830.0	ND	NA	85.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
750.0	ND	ND	22.0	ND	ND	ND	ND	NA	NA	ND	NA	ND	1100.0	ND	ND	1100.0	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	NA	ND	NA
832.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	700.0	ND	ND	700.0	NA	ND	NA
838.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	685.7	ND	NA	685.7	ND	ND	NA
866.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1191.7	ND	ND	1191.7	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	2452.8	ND	NA	2452.8	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	2281.0	ND	ND	2281.0	ND	ND	NA
868.5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3100.0	ND	ND	3100.0	NA	ND	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
868.6	Mission Bay/Landfill 2	TCM	12/21/91	ND	NA	ND	100.0	ND	68.0	47.0	56.0	ND	271.0	ND	ND	NA
881.3	Sweetwater River/Mouth 1	TCM	01/15/91	ND	ND	ND	139.7	ND	93.7	80.9	91.9	ND	406.2	ND	ND	ND
881.3	Sweetwater River/Mouth 1	TCM	12/21/91	ND	NA	ND	180.0	ND	68.0	94.0	120.0	ND	462.0	ND	ND	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	ND	ND	ND	207.2	ND	226.1	60.3	152.6	ND	646.8	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	ND	ND	ND	275.9	ND	157.6	59.1	256.2	ND	748.8	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	ND	NA	ND	220.0	ND	190.0	160.0	170.0	64.0	804.0	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	290.0	ND	180.0	130.0	180.0	ND	780.0	ND	ND	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	ND	NA	ND	330.0	ND	140.0	130.0	99.0	37.0	736.0	ND	ND	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
868.6	ND	ND	110.0	630.0	ND	ND	ND	47.0	787.0	ND	NA	89.0	ND	ND	ND	ND	ND	ND	ND
881.3	ND	312.4	ND	551.4	ND	99.2	ND	ND	963.0	ND	ND	18.4	ND	NA	NA	ND	ND	ND	ND
881.3	ND	ND	140.0	780.0	ND	ND	ND	ND	920.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
882.7	ND	122.5	301.4	357.9	ND	433.3	ND	ND	1215.1	ND	ND	98.0	ND	NA	NA	ND	ND	ND	ND
882.7	ND	295.6	374.4	729.1	ND	110.4	ND	ND	1509.5	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
882.7	ND	100.0	ND	310.0	ND	82.0	ND	100.0	592.0	ND	NA	140.0	ND	ND	ND	ND	ND	ND	ND
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.8	ND	130.0	230.0	670.0	ND	240.0	ND	ND	1270.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
882.8	ND	140.0	390.0	810.0	ND	210.0	ND	ND	1550.0	ND	NA	120.0	ND	ND	ND	ND	ND	ND	21.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
868.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	3000.0	ND	ND	3000.0	NA	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	4594.6	ND	ND	4594.6	ND	ND	NA
881.3	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	5600.0	ND	ND	5600.0	NA	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13940.7	ND	NA	13940.7	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	29558.8	ND	NA	29558.8	ND	ND	NA
882.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	10000.0	ND	ND	10000.0	NA	ND	NA
882.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	16076.9	ND	NA	16076.9	NA	NA	NA
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	15000.0	4000.0	ND	19000.0	NA	ND	20000.0
882.8	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2100.0	22000.0	3900.0	ND	28000.0	NA	ND	26000.0
882.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	23896.6	ND	NA	23896.6	NA	NA	NA

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APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	ND	ND	25.7	385.1	ND	224.7	123.6	417.2	ND	1176.2	ND	ND	ND
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	ND	NA	ND	210.0	ND	140.0	150.0	150.0	ND	650.0	ND	ND	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.7	San Diego Bay/Terminal S-10th St	TCM	01/05/93	ND	NA	ND	200.0	ND	140.0	180.0	140.0	56.0	716.0	ND	ND	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	ND	ND	ND	ND	ND	176.6	114.8	264.9	ND	556.3	ND	ND	ND
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	San Diego Bay/Evans Street	TCM	12/22/90	ND	ND	ND	495.0	ND	387.0	225.0	333.0	ND	1440.0	ND	ND	ND
887.0	San Diego Bay/Evans Street	TCM	12/21/91	ND	NA	ND	220.0	ND	120.0	97.0	170.0	23.0	630.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
883.1	ND	513.5	192.6	625.8	ND	125.2	ND	ND	1457.0	ND	ND	65.8	ND	NA	NA	ND	ND	ND	ND
883.4	50.0	77.0	ND	370.0	ND	ND	ND	93.0	590.0	ND	NA	94.0	ND	ND	ND	ND	ND	ND	ND
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.7	ND	73.0	ND	380.0	ND	ND	ND	ND	453.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
885.2	ND	529.8	143.5	618.1	170.0	353.2	ND	ND	1814.6	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
887.0	ND	540.0	1080.0	ND	ND	180.0	ND	ND	1800.0	ND	ND	225.0	ND	NA	NA	ND	ND	ND	ND
887.0	ND	190.0	130.0	670.0	ND	ND	ND	ND	990.0	ND	NA	81.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
883.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	13158.1	ND	NA	13158.1	ND	ND	NA
883.4	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	15000.0	ND	ND	15000.0	NA	ND	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15600.0	ND	NA	15600.0	NA	NA	NA
883.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	15992.8	ND	NA	15992.8	NA	NA	NA
883.7	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13000.0	440.0	ND	13000.0	NA	ND	NA
885.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	18984.9	ND	NA	18984.9	ND	ND	NA
885.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	13247.3	ND	NA	13247.3	NA	NA	NA
886.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	28646.2	ND	NA	28646.2	NA	NA	NA
887.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	16650.0	ND	ND	16650.0	ND	ND	NA
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	14000.0	ND	ND	14000.0	NA	ND	13000.0

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Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
887.0	San Diego Bay/Evans Street	TCM	01/05/93	ND	NA	ND	210.0	ND	220.0	180.0	200.0	57.0	867.0	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	ND	NA	ND	340.0	ND	250.0	190.0	320.0	57.0	1157.0	ND	ND	NA
888.0	San Diego Bay/Coronado Bridge	TCM	01/05/93	ND	NA	ND	280.0	ND	190.0	190.0	160.0	64.0	884.0	ND	ND	NA
893.0	San Diego Bay/Laurel Street	TCM	01/05/93	ND	NA	ND	390.0	ND	360.0	250.0	300.0	54.0	1354.0	110.0	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	ND	ND	270.8	875.0	ND	750.0	291.7	687.5	ND	2875.0	895.8	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/90	ND	ND	ND	714.4	ND	526.4	191.8	526.4	ND	1959.0	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	RBM	12/21/91	360.0	NA	ND	280.0	ND	270.0	110.0	240.0	ND	900.0	ND	ND	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	01/05/93	34.0	NA	ND	390.0	22.0	350.0	180.0	160.0	56.0	1158.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
887.0	85.0	110.0	ND	420.0	ND	93.0	ND	150.0	858.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND
888.0	ND	84.0	130.0	620.0	ND	ND	ND	ND	834.0	ND	NA	63.0	ND	ND	ND	ND	ND	ND	ND
888.0	ND	140.0	ND	450.0	ND	ND	ND	ND	590.0	ND	NA	320.0	ND	ND	ND	ND	ND	ND	ND
893.0	ND	76.0	ND	540.0	ND	240.0	ND	170.0	1026.0	ND	NA	170.0	ND	ND	ND	ND	ND	ND	ND
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	1312.5	4375.0	2062.5	1562.5	ND	ND	1229.2	666.7	11208.3	ND	ND	104.2	ND	ND	ND	ND	ND	ND	ND
894.0	977.6	2594.4	ND	1428.8	ND	195.5	ND	ND	5196.3	ND	ND	188.0	ND	NA	NA	ND	ND	ND	ND
894.0	830.0	1800.0	1300.0	2200.0	ND	320.0	ND	320.0	6770.0	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
894.0	460.0	1100.0	ND	660.0	98.0	560.0	ND	180.0	3058.0	550.0	NA	200.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
887.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	20000.0	ND	ND	20000.0	NA	ND	23000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	18000.0	ND	ND	18000.0	NA	ND	18000.0
888.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	13000.0	ND	ND	13000.0	NA	ND	17000.0
893.0	ND	ND	37.0	ND	49.0	ND	ND	NA	NA	ND	NA	3300.0	20000.0	ND	ND	23000.0	NA	ND	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216186.8	126829.6	ND	NA	343016.4	NA	NA	NA
894.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217066.7	239266.7	ND	NA	456333.4	NA	NA	NA
894.0	ND	ND	187.5	ND	ND	ND	ND	ND	ND	NA	NA	110416.7	143750.0	1458.3	NA	254166.7	ND	ND	28122.8
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	169.2	NA	169200.0	172960.0	ND	ND	342160.1	ND	ND	NA
894.0	ND	ND	ND	230.0	ND	ND	ND	NA	NA	ND	NA	60000.0	90000.0	ND	ND	150000.0	NA	ND	8900.0
894.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	74000.0	55000.0	ND	ND	130000.0	NA	ND	17.0

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ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	San Diego Bay/Grape St Storm Drain	TCM	01/05/93	ND	NA	ND	250.0	ND	210.0	200.0	200.0	ND	860.0	100.0	ND	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	01/05/93	ND	NA	ND	410.0	ND	460.0	270.0	330.0	90.0	1560.0	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	ND	NA	ND	140.0	ND	72.0	48.0	99.0	17.0	376.0	ND	ND	NA
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	01/05/93	ND	NA	ND	100.0	ND	75.0	51.0	48.0	25.0	299.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
895.6	ND	130.0	ND	460.0	ND	240.0	ND	ND	830.0	ND	NA	130.0	ND	ND	ND	ND	ND	ND	ND
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	370.0	580.0	87.0	1800.0	160.0	570.0	ND	290.0	3857.0	ND	NA	220.0	ND	ND	ND	ND	ND	ND	ND
899.0	71.0	130.0	99.0	580.0	ND	ND	ND	ND	880.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	21.0
899.0	ND	110.0	ND	440.0	ND	ND	ND	ND	550.0	ND	NA	110.0	ND	ND	ND	ND	ND	ND	ND

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
894.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5140.4	43372.3	ND	NA	48512.8	NA	NA	NA
894.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15950.0	63800.0	ND	NA	79750.0	NA	NA	NA
894.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	88045.5	207697.0	ND	NA	295742.4	NA	NA	NA
894.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	26274.0	ND	NA	26274.0	NA	NA	NA
895.6	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	2200.0	13000.0	ND	ND	15000.0	NA	ND	NA
897.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	40564.0	ND	NA	40564.0	NA	NA	178257.0
898.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	84436.4	ND	NA	84436.4	NA	NA	NA
898.0	ND	ND	ND	29.0	ND	ND	ND	NA	NA	ND	NA	ND	44000.0	ND	ND	44000.0	NA	ND	170000.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6100.0	1200.0	ND	7300.0	NA	ND	6100.0
899.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	6500.0	ND	ND	6500.0	NA	ND	17000.0

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ND = Not Detected

APPENDIX P (continued)

State Mussel Watch Program

Summary of 1987-93 Data: Organic Chemicals in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	Aldrin	Chlor-ben-side	alpha-Chlor-dene	cis-Chlor-dane	gamma-Chlor-dene	trans-Chlor-dane	cis-Nona-chlor	trans-Nona-chlor	Oxy-chlor-dane	Total Chlor-dane	Chlor-pyrifos	Dacthal	Diaz-inon
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	ND	NA	ND	320.0	ND	250.0	190.0	200.0	66.0	1026.0	81.0	ND	NA
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	ND	NA	ND	100.0	ND	30.0	20.0	35.0	ND	185.0	ND	ND	NA

Station Number	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMS	p,p' DDMU	Total DDT	Di-Chloro-Benzophenone	Dicofol	Diel-drin	Endo-sulfan I	Endo-sulfan II	Endo-sulfan sulfate	Total Endo-sulfan	Endrin	Eth-ion	alpha-HCH
899.2	66.0	120.0	92.0	580.0	ND	120.0	ND	180.0	1158.0	ND	NA	210.0	ND	ND	ND	ND	ND	ND	ND
901.0	ND	ND	70.0	560.0	ND	ND	ND	ND	630.0	ND	NA	73.0	ND	ND	ND	ND	ND	ND	20.0

Station Number	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Hepta-chlor	Hepta-chlor-epoxide	Hexa-chloro-benzene	Meth-oxy-chlor	Ethyl-para-thion	Methyl-para-thion	Oxa-diazon	Phenol	PCB 1248	PCB 1254	PCB 1260	PCT 5460	Total PCB	Tetra-difon	Toxa-phene	Tri-butyl-tin
899.2	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	18000.0	ND	ND	18000.0	NA	ND	88000.0
901.0	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	4300.0	1200.0	ND	5500.0	NA	ND	4200.0

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APPENDIX Q

Summary of 1987-93 Data

PCP and TCP in Mussels and Sediment

(ppb: wet, dry, and lipid weight)

APPENDIX Q

State Mussel Watch Program

Summary of 1987-93 Data: PCP and TCP in Mussels and Sediment (ppb)

Station Number	Station Name	Sample Type*	Sample Date	PCP (wet)	PCP (dry)	PCP (lipid)	TCP (wet)	TCP (dry)	TCP (lipid)
10.0	Trinidad Head	RCM	09/08/87	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/20/88	1.3	6.9	146.8	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	0.9	ND	56.3	1.1	ND	68.8
10.0	Trinidad Head	RCM	10/08/91	ND	ND	ND	2.1	11.0	220.0
95.0	McDaniel Slough	SED	10/08/91	350.0	570.0	NA	ND	ND	NA
99.0	Mad River/Oyster Docks	TCM	02/11/88	4.5	28.0	722.6	ND	ND	ND
100.0	Mad River Slough	TCM	02/12/88	2.7	18.0	476.2	ND	ND	ND
100.0	Mad River Slough	TCM	02/17/89	2.3	12.0	257.1	ND	ND	ND
100.0	Mad River Slough	SED	02/23/90	14.0	20.0	NA	3.6	ND	NA
100.0	Mad River Slough	TCM	02/23/90	14.0	97.0	NA	ND	35.0	NA
100.0	Mad River Slough	SED	10/08/91	5.0	8.0	NA	2.4	4.0	NA
100.0	Mad River Slough	TCM	02/25/92	32.0	220.0	3400.0	4.1	28.0	430.0
100.5	Arcata Dock	TCM	02/25/92	5.2	35.0	NA	2.9	19.0	NA
100.6	Mad River/Oyster Bed	SED	02/23/90	2.0	ND	NA	2.5	ND	NA
100.8	Bird Island	SED	02/23/90	5.9	10.0	NA	3.0	ND	NA
101.0	Samoa Bridge/West	TCM	02/11/88	5.4	36.0	885.2	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/17/89	1.5	8.3	193.0	ND	ND	ND
102.0	Samoa Bridge/East	TCM	02/25/92	13.0	82.0	1400.0	ND	ND	ND
102.5	Woodley Island	TCM	02/11/88	5.1	34.0	728.6	ND	ND	ND
103.0	Eureka Channel	TCM	02/17/89	ND	ND	ND	ND	ND	ND
103.0	Eureka Channel	TCM	02/23/90	6.8	41.0	NA	ND	30.0	NA
103.0	Eureka Channel	TCM	02/25/92	3.2	20.0	280.0	ND	ND	ND
103.2	Louisiana Pacific Dock	TCM	02/11/88	2.9	17.0	489.8	ND	ND	ND
103.3	E Street	TCM	02/25/92	6.1	45.0	960.0	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/11/88	0.9	5.2	103.8	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/23/90	5.5	31.0	611.1	0.9	ND	100.0
104.5	Eureka STP/Control	TCM	02/12/88	0.7	4.6	115.5	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/17/89	0.8	4.2	83.1	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/23/90	0.7	ND	63.6	0.9	ND	81.8
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	0.6	ND	120.0	0.8	ND	160.0
202.0	Bodega Head	RCM	08/28/91	ND	ND	ND	5.0	28.0	950.0
203.0	Tomales Bay	RBM	12/30/91	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	21.0	130.0	2600.0	6.2	39.0	760.0
302.0	Point Pinole	TCM	01/27/81	2.8	20.0	273.3	ND	ND	ND
302.0	Point Pinole	TCM	01/14/88	2.6	26.0	1023.6	ND	ND	ND
302.0	Point Pinole	TCM	12/30/88	9.9	88.0	2464.0	ND	ND	ND
302.0	Point Pinole	TCM	12/27/91	2.9	20.0	320.0	ND	ND	ND
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	1.7	9.0	130.0	ND	ND	ND

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APPENDIX Q (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCP and TCP in Mussels and Sediment (ppb)

Station Number	Station Name	Sample Type*	Sample Date	PCP (wet)	PCP (dry)	PCP (lipid)	TCP (wet)	TCP (dry)	TCP (lipid)
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	3.7	25.0	440.0	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	21.6	180.0	4029.9	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	1.5	17.0	347.7	ND	ND	ND
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	6.8	67.0	1000.0	ND	ND	ND
307.6	Oakland Back Harbor	TCM	01/14/88	28.8	240.0	4713.7	ND	ND	ND
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	3.7	25.0	540.0	ND	ND	ND
309.0	San Mateo Bridge/88	TCM	12/16/91	3.6	25.0	630.0	ND	ND	ND
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	3.1	23.0	470.0	ND	ND	ND
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	3.9	23.0	420.0	ND	ND	ND
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	12.0	58.0	870.0	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	2.7	44.0	580.0	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	32.0	320.0	8060.5	0.6	5.8	146.1
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	2.6	24.0	424.9	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	10.8	90.0	1865.3	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	10.2	77.0	1392.3	ND	ND	ND
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	26.2	230.0	4947.2	ND	ND	ND

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APPENDIX R

Summary of 1987-93 Data

PAHs in Mussels, Clams, and Sediment

(ppb, wet weight)

APPENDIX R

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
2.0	Crescent City/STP Outfall	RCM	02/23/90	25.0	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	10.0	ND	ND	ND	ND	ND	0.81
2.0	Crescent City/STP Outfall	RCM	03/12/92	4.8	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	14.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	4.1	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	10.5	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	20.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	4.3	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	5.8	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/22/92	6.2	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
2.0	ND	NA	ND	15.00	ND	10.00	ND	ND	ND
2.0	ND	ND	ND	4.86	1.13	1.78	ND	ND	ND
2.0	ND	ND	ND	2.70	ND	2.10	ND	ND	ND
3.0	ND	NA	ND	14.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	3.18	ND	ND	ND	ND	ND
3.0	ND	ND	ND	3.30	ND	5.20	ND	ND	ND
10.0	ND	NA	ND	10.00	ND	10.00	ND	ND	ND
10.0	ND	ND	ND	2.33	ND	1.97	ND	ND	ND
10.0	ND	ND	ND	2.50	ND	3.30	ND	ND	ND
10.0	ND	ND	ND	3.10	ND	3.10	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
2.0	ND	ND	ND	1.46	ND	ND	ND	ND	ND
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
3.0	ND	ND	ND	0.95	ND	ND	ND	ND	ND
3.0	ND	ND	ND	2.00	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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SED = Sediment
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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
95.0	McDaniel Slough	SED	09/18/90	0.5	ND	ND	ND	ND	0.25	0.10
95.0	McDaniel Slough	SED	10/08/91	402.6	5.00	17.00	ND	9.60	33.00	38.00
100.0	Mad River Slough	SED	09/18/90	0.2	ND	ND	ND	ND	0.03	0.05
100.0	Mad River Slough	TCM	02/27/91	10.5	ND	ND	ND	ND	ND	1.59
100.0	Mad River Slough	SED	10/08/91	675.7	9.20	17.00	ND	17.00	24.00	91.00
100.5	Arcata Dock	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
101.0	Samoa Bridge/West	TCM	02/27/91	29.4	ND	ND	ND	ND	1.12	5.21
102.0	Samoa Bridge/East	TCM	02/27/91	20.6	ND	ND	ND	ND	ND	2.72
102.0	Samoa Bridge/East	TCM	02/25/92	73.4	ND	ND	ND	ND	2.30	6.40
103.0	Eureka Channel	TCM	02/27/91	34.6	2.34	ND	ND	ND	ND	6.84

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
95.0	ND	NA	ND	ND	ND	ND	ND	ND	0.04
95.0	15.00	7.30	9.10	24.00	11.00	25.00	14.00	7.20	4.20
100.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	2.07	ND	2.07	ND	ND	ND
100.0	25.00	8.30	34.00	46.00	32.00	45.00	32.00	17.00	14.00
100.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	1.67	2.79	ND	2.79	ND	ND	ND
102.0	ND	ND	1.44	4.16	ND	2.72	ND	ND	ND
102.0	ND	ND	3.10	10.00	7.60	24.00	3.20	ND	ND
103.0	ND	ND	ND	3.96	ND	3.42	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
95.0	ND	ND	ND	0.03	ND	0.11	ND	ND	ND
95.0	3.90	9.60	20.00	56.00	13.00	47.00	7.90	18.00	7.80
100.0	ND	ND	ND	0.03	ND	0.04	ND	ND	ND
100.0	ND	ND	ND	3.02	ND	1.75	ND	ND	ND
100.0	7.80	28.00	17.00	94.00	28.00	70.00	ND	13.00	6.40
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	ND	10.42	ND	5.39	ND	ND	ND
102.0	ND	ND	ND	6.24	ND	3.36	ND	ND	ND
102.0	ND	ND	ND	10.00	ND	6.80	ND	ND	ND
103.0	ND	ND	ND	11.88	ND	6.12	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
103.0	Eureka Channel	TCM	02/17/93	44.7	ND	ND	ND	ND	ND	5.00
103.3	E Street	TCM	02/27/91	96.5	3.17	1.67	ND	ND	4.01	18.37
103.3	E Street	TCM	02/25/92	42.5	ND	ND	ND	ND	ND	7.60
103.7	Eda Dock	TCM	02/27/91	53.4	ND	ND	ND	ND	2.05	10.74
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/27/91	12.9	2.06	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	31.0	ND	ND	ND	ND	ND	3.80
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	6.6	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	9.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
103.0	ND	ND	2.90	4.90	3.00	8.20	ND	2.70	ND
103.3	ND	ND	2.84	4.68	1.67	4.84	ND	3.01	2.17
103.3	ND	ND	3.60	5.20	ND	7.00	ND	ND	ND
103.7	ND	ND	2.21	3.32	ND	5.85	3.16	ND	ND
104.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.0	ND	ND	ND	3.37	ND	2.06	ND	ND	ND
104.0	ND	ND	ND	2.90	2.20	5.20	ND	ND	ND
104.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.5	ND	ND	ND	3.49	ND	2.32	ND	ND	ND
104.5	ND	ND	ND	2.10	ND	3.50	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
103.0	ND	ND	ND	12.00	ND	6.00	ND	ND	ND
103.3	ND	ND	ND	25.05	5.68	18.37	ND	1.00	ND
103.3	ND	ND	ND	11.00	ND	8.10	ND	ND	ND
103.7	ND	ND	ND	15.33	2.05	8.69	ND	ND	ND
104.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.0	ND	ND	ND	4.11	1.31	ND	ND	ND	ND
104.0	ND	ND	ND	11.00	2.20	3.70	ND	ND	ND
104.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.5	ND	ND	ND	0.83	ND	ND	ND	ND	ND
104.5	ND	ND	ND	3.40	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	22.2	ND	ND	ND	ND	ND	3.04
159.0	Russian River West Fork	TFC	03/06/92	8.1	ND	ND	ND	ND	ND	2.30
160.0	Lake Mendocino	RFC	11/30/89	22.0	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	10.7	ND	ND	ND	ND	3.90	ND
175.0	Big Sulfur Creek	TFC	03/30/93	15.9	ND	ND	1.20	ND	ND	3.40
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	7.9	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
106.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	1.44	3.52	ND	2.72	ND	ND	ND
159.0	ND	ND	ND	2.30	ND	3.50	ND	ND	ND
160.0	ND	NA	ND	11.00	ND	11.00	ND	ND	ND
165.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	2.80	ND	4.00	ND	ND	ND
175.0	ND	ND	ND	1.80	ND	1.60	ND	ND	ND
190.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	5.04	ND	2.16	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	ND	8.80	ND	2.72	ND	ND	ND
159.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	ND	ND	4.70	ND	3.20	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
190.0	ND	ND	ND	0.72	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	52.0	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	5.1	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	10.7	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	09/01/92	8.0	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	01/29/91	7.0	ND	ND	ND	ND	ND	1.92
203.0	Tomales Bay	RBM	12/30/91	18.3	ND	ND	ND	ND	ND	5.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	246.5	ND	3.95	ND	ND	9.78	54.52

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	16.00	11.00	15.00	10.00	ND	ND
202.0	ND	ND	ND	3.34	ND	1.81	ND	ND	ND
202.0	ND	ND	ND	4.80	ND	5.90	ND	ND	ND
202.0	ND	ND	ND	3.60	ND	4.40	ND	ND	ND
203.0	ND	ND	ND	1.56	ND	ND	ND	ND	ND
203.0	ND	ND	ND	3.00	ND	2.10	ND	ND	ND
205.0	3.95	ND	4.32	6.20	4.14	10.34	5.26	14.29	2.82

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	2.16	ND	1.32	ND	ND	ND
203.0	ND	ND	ND	4.80	ND	3.40	ND	ND	ND
205.0	ND	ND	ND	58.28	16.54	48.88	ND	3.20	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	167.9	ND	5.00	ND	ND	8.80	38.00
207.0	Point Reyes	RCM	01/29/91	4.1	ND	ND	ND	ND	ND	ND
290.0	Russian River/near Moscow	TFC	03/30/93	14.8	ND	ND	ND	ND	ND	4.60
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	120.0	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	70.7	ND	3.36	ND	ND	18.48	7.64
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	57.9	ND	1.85	ND	ND	10.79	13.08
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
205.0	4.60	ND	3.70	3.40	2.20	9.80	4.40	ND	ND
207.0	ND	ND	ND	4.13	ND	ND	ND	ND	ND
290.0	ND	ND	ND	1.70	ND	1.80	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.1	4.54	3.36	ND	1.85	ND	ND	ND	ND	ND
295.2	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.2	ND	1.09	ND	2.83	ND	ND	ND	ND	ND
295.3	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
205.0	ND	ND	ND	34.00	13.00	37.00	ND	4.00	ND
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
290.0	ND	ND	ND	3.60	ND	3.10	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	ND	ND	ND	ND	ND	NA	120.00	ND
295.1	ND	ND	ND	2.44	1.60	16.80	5.04	5.63	ND
295.2	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.2	ND	ND	ND	4.69	2.29	18.53	ND	2.72	ND
295.3	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	29.4	ND	ND	ND	ND	4.32	5.31
295.4	Russian River/Wholer Bridge	TFC	04/07/92	22.3	ND	ND	ND	ND	4.30	6.10
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
297.0	Putah Creek	RFC	12/05/89	26.0	ND	ND	ND	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	18.0	ND	ND	ND	ND	1.41	2.16
302.0	Point Pinole	TCM	12/27/91	31.4	2.60	2.00	ND	ND	2.80	5.10
302.0	Point Pinole	TCM	01/20/93	15.1	ND	ND	ND	ND	1.10	2.00
302.4	Castro Cove Bridge	TCM	01/18/88	1793.0	315.00	ND	ND	ND	157.00	186.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
295.4	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	4.32	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	NA	ND	14.00	ND	12.00	ND	ND	ND
302.0	ND	0.75	ND	5.55	ND	ND	ND	ND	ND
302.0	2.40	ND	ND	2.10	ND	2.30	ND	ND	ND
302.0	0.90	ND	ND	3.50	1.20	1.80	ND	ND	ND
302.4	358.00	143.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
295.4	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.4	ND	ND	ND	2.97	1.26	9.90	ND	1.35	ND
295.4	ND	ND	ND	2.90	ND	7.00	ND	2.00	ND
295.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
302.0	ND	ND	ND	2.26	ND	4.14	1.03	0.66	ND
302.0	ND	ND	2.20	3.70	ND	6.20	ND	ND	ND
302.0	ND	ND	ND	2.00	ND	2.60	ND	ND	ND
302.4	ND	ND	ND	215.00	ND	ND	133.00	286.00	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
302.4	Castro Cove Bridge	TCM	12/29/88	3594.2	172.80	216.00	ND	ND	345.60	792.00
302.4	Castro Cove Bridge	TCM	03/21/90	6313.0	630.00	400.00	ND	ND	ND	1600.00
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	377.4	10.08	21.42	ND	ND	25.20	88.20
303.3	Lauritzen Canal/End	TCM	03/22/91	511.9	15.00	57.00	1.90	ND	64.00	110.00
303.4	Santa Fe Channel/End	TCM	03/22/91	320.5	ND	20.80	ND	ND	37.70	101.40
304.4	Serl Intake	TCM	03/22/91	56.4	ND	2.04	ND	ND	3.21	11.53
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	22.9	2.05	ND	ND	ND	1.37	4.45
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	55.5	ND	3.20	ND	ND	4.20	9.80
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	194.4	8.00	5.90	ND	ND	7.70	45.00
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	38.6	1.45	1.61	ND	ND	1.93	7.89

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
302.4	133.92	79.20	ND	ND	ND	ND	ND	ND	ND
302.4	230.00	NA	86.00	19.00	ND	12.00	16.00	ND	ND
303.1	11.84	6.68	9.95	6.68	1.64	4.54	1.76	ND	7.56
303.3	40.00	20.00	3.30	5.80	1.60	3.20	ND	ND	1.70
303.4	15.60	5.85	2.21	6.37	1.17	3.25	ND	2.47	ND
304.4	ND	2.04	1.90	4.53	ND	1.46	ND	ND	ND
306.0	ND	ND	ND	2.05	ND	1.20	ND	ND	ND
306.0	2.60	ND	3.00	2.10	ND	3.40	ND	ND	ND
306.0	4.30	ND	6.60	2.70	ND	3.20	ND	ND	5.10
307.0	1.77	0.81	ND	2.09	ND	1.29	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
302.4	ND	ND	ND	748.80	158.40	777.60	76.32	93.60	ND
302.4	ND	ND	ND	710.00	520.00	1800.00	NA	290.00	ND
303.1	ND	2.39	2.14	79.38	9.32	73.08	6.30	9.20	ND
303.3	ND	3.80	11.00	29.00	8.80	79.00	18.00	32.00	6.80
303.4	ND	ND	1.04	31.20	ND	71.50	4.81	14.30	0.78
304.4	ND	ND	1.31	11.10	1.17	11.53	2.77	1.75	ND
306.0	ND	ND	ND	5.81	ND	5.99	ND	ND	ND
306.0	ND	ND	2.20	14.00	ND	11.00	ND	ND	ND
306.0	ND	ND	2.90	50.00	2.80	45.00	2.10	3.10	ND
307.0	ND	ND	ND	8.21	ND	9.02	1.29	1.29	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	124.5	7.00	6.30	ND	ND	7.00	22.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	505.2	16.00	13.00	ND	1.60	10.00	130.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	114.9	6.40	5.00	ND	ND	12.00	27.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	244.6	8.80	16.00	ND	ND	21.00	62.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	92.2	1.30	4.60	ND	ND	6.60	19.00
307.5	Lake Merritt	RBM	05/22/92	596.3	9.80	56.00	2.30	ND	62.00	140.00
307.5	Lake Merritt	RCM	03/16/93	375.3	18.00	20.00	1.50	ND	13.00	110.00
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	16.9	ND	ND	ND	ND	ND	4.18
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	26.3	ND	ND	ND	ND	2.40	4.50
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	30.4	ND	1.40	ND	ND	1.90	2.70

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
307.0	3.30	ND	5.10	2.50	ND	6.10	ND	ND	2.40
307.0	6.80	1.90	17.00	4.60	2.50	7.70	1.40	ND	11.00
307.4	2.90	2.60	1.80	2.90	ND	1.90	ND	ND	ND
307.4	13.00	3.00	4.90	2.50	ND	3.90	ND	4.10	2.50
307.4	4.30	1.50	8.90	3.40	1.70	3.90	ND	ND	ND
307.5	57.00	17.00	8.90	2.90	2.20	4.90	ND	ND	4.80
307.5	23.00	7.10	6.30	3.10	1.70	3.30	ND	ND	3.30
308.0	ND	1.63	ND	4.69	ND	ND	ND	ND	ND
308.0	2.60	ND	ND	ND	ND	ND	ND	ND	ND
308.0	2.30	0.90	ND	4.00	1.80	2.60	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
307.0	ND	ND	3.30	30.00	ND	25.00	2.10	2.40	ND
307.0	ND	ND	3.90	130.00	6.20	130.00	2.40	7.20	2.00
307.4	ND	2.80	ND	14.00	2.00	24.00	3.80	5.80	ND
307.4	ND	ND	5.60	21.00	5.20	51.00	4.60	13.00	2.50
307.4	ND	ND	4.30	4.30	ND	23.00	ND	5.40	ND
307.5	ND	6.00	9.20	32.00	5.80	100.00	18.00	51.00	6.50
307.5	ND	3.20	5.10	35.00	4.20	86.00	7.20	21.00	3.30
308.0	ND	ND	ND	ND	ND	6.43	ND	ND	ND
308.0	ND	ND	2.50	2.60	ND	6.80	2.70	ND	2.20
308.0	ND	ND	4.00	1.50	ND	3.90	1.60	1.80	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
309.0	San Mateo Bridge/8B	TCM	01/16/91	15.8	ND	0.83	ND	ND	1.66	3.15
309.0	San Mateo Bridge/8B	TCM	12/16/91	37.3	ND	2.40	ND	ND	3.90	4.40
309.0	San Mateo Bridge/8B	TCM	02/01/93	31.0	ND	ND	ND	ND	1.80	2.80
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	28.7	ND	ND	ND	ND	2.32	4.56
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	29.5	ND	2.30	ND	ND	2.80	4.10
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	46.3	ND	1.70	ND	ND	2.40	5.30
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	33.2	ND	1.26	ND	ND	2.52	4.28
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	21.3	ND	ND	ND	ND	ND	3.70
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	31.4	ND	ND	ND	ND	2.16	5.18
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	38.4	ND	ND	ND	ND	2.90	4.30

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
309.0	ND	0.66	ND	3.07	ND	ND	ND	ND	ND
309.0	4.30	ND	ND	ND	ND	ND	ND	ND	ND
309.0	2.30	2.00	ND	4.00	1.70	2.50	ND	ND	ND
313.0	3.01	2.58	ND	5.59	ND	ND	ND	ND	ND
313.0	3.30	ND	ND	ND	ND	ND	ND	ND	ND
313.0	4.60	1.10	ND	2.40	ND	1.30	ND	ND	ND
321.0	2.86	1.93	ND	4.62	ND	ND	ND	ND	ND
321.0	2.30	ND	ND	2.60	ND	2.20	ND	ND	ND
326.0	ND	1.73	ND	2.88	ND	ND	ND	ND	ND
326.0	2.20	ND	ND	4.60	2.10	5.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
309.0	ND	1.33	ND	0.75	ND	4.32	ND	ND	ND
309.0	ND	ND	4.10	2.70	ND	6.70	3.10	2.60	3.10
309.0	ND	ND	4.30	1.20	ND	4.10	2.00	2.30	ND
313.0	ND	ND	1.46	ND	ND	7.14	2.06	ND	ND
313.0	ND	ND	3.80	2.20	ND	5.80	2.90	2.30	ND
313.0	ND	1.10	6.10	2.00	ND	7.80	3.90	3.50	3.10
321.0	ND	ND	1.09	1.68	ND	6.22	3.61	3.11	ND
321.0	ND	ND	2.30	ND	ND	6.10	2.10	ND	ND
326.0	ND	ND	ND	2.45	ND	7.92	5.76	3.31	ND
326.0	ND	ND	2.50	3.70	ND	6.70	2.20	2.20	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	6.7	ND	ND	ND	ND	ND	ND
336.0	J. Fitzgerald	RCM	01/30/91	5.1	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	58.5	1.34	ND	ND	ND	5.79	8.90
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	ND	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	5.9	ND	ND	ND	ND	ND	1.26
400.8	Aptos Creek	TFC	12/19/91	ND	ND	ND	ND	ND	ND	ND
404.0	Sandholdt Bridge	TCM	02/04/91	168.5	3.90	6.40	ND	ND	10.92	37.44
404.0	Sandholdt Bridge	TCM	01/28/92	154.5	2.90	ND	ND	3.50	3.30	16.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
326.0	ND	ND	ND	2.70	ND	2.40	ND	ND	ND
336.0	ND	ND	ND	3.09	ND	2.00	ND	ND	ND
399.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	3.56	ND	ND	4.98	1.25	2.94	ND	ND	ND
400.8	ND	NA	ND	ND	ND	ND	ND	ND	ND
400.8	ND	ND	ND	2.88	ND	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	1.09	0.62	9.52	6.55	1.72	8.11	ND	ND	2.50
404.0	ND	ND	11.00	7.70	5.70	22.00	7.70	7.60	7.60

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
326.0	ND	ND	ND	1.60	ND	ND	ND	ND	ND
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	1.34	ND	4.18	4.01	16.02	2.05	2.14	ND
400.8	ND	ND	ND	ND	ND	ND	NA	ND	ND
400.8	ND	ND	ND	ND	1.80	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	ND	1.09	ND	40.56	1.72	32.76	1.56	2.03	ND
404.0	ND	ND	ND	38.00	5.50	16.00	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
404.0	Sandholdt Bridge	TCM	02/01/93	116.5	3.30	3.20	ND	ND	3.70	22.00
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	7.3	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/12/93	2.8	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	TFC	05/25/92	38.0	ND	ND	ND	ND	ND	4.00
426.5	Cayucos Pier	TCM	02/25/91	230.7	5.43	2.91	ND	0.58	6.21	62.08
430.0	Montana De Oro	RCM	11/14/90	4.6	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/91	6.5	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
404.0	ND	ND	6.20	3.20	2.90	7.40	ND	1.80	6.60
414.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	4.28	ND	1.78	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	1.50	ND	1.30	ND	ND	ND
425.6	ND	NA	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	3.10	3.90	10.00	5.50	ND	ND
426.5	0.58	0.58	6.98	4.27	1.75	4.66	ND	ND	6.01
430.0	ND	ND	ND	4.62	ND	ND	ND	ND	ND
430.0	ND	ND	ND	5.04	ND	1.44	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
404.0	ND	ND	ND	35.00	2.20	19.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	1.19	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	ND	ND	ND	NA	ND	ND
425.6	ND	ND	ND	3.80	ND	7.70	ND	ND	ND
426.5	ND	ND	ND	65.96	6.40	56.26	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
430.0	Montana De Oro	RCM	12/03/91	6.5	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/92	16.8	ND	ND	ND	ND	ND	4.70
430.2	Montana De Oro 1	TCM	11/14/90	3.6	ND	ND	ND	ND	ND	ND
430.2	Montana De Oro 1	TCM	12/04/91	2.4	ND	ND	ND	ND	ND	ND
430.4	Montana De Oro 2	TCM	11/14/90	4.0	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/91	4.7	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/92	2.7	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/91	4.2	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/92	2.3	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	02/25/91	4.9	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
430.0	ND	ND	ND	3.00	ND	3.50	ND	ND	ND
430.0	ND	ND	ND	2.10	ND	2.10	ND	ND	ND
430.2	ND	ND	ND	3.61	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	2.40	ND	ND	ND
430.4	ND	ND	ND	3.99	ND	ND	ND	ND	ND
434.0	ND	ND	ND	1.95	ND	1.20	ND	ND	ND
434.0	ND	ND	ND	ND	ND	2.70	ND	ND	ND
435.0	1.05	ND	ND	2.25	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	2.30	ND	ND	ND
437.0	ND	ND	ND	2.88	ND	0.90	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	3.60	ND	4.30	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	1.50	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	0.90	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	1.08	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
437.0	Point San Luis	RCM	02/26/92	7.1	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	6.7	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	96.6	4.50	5.00	4.40	ND	5.60	6.50
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	4.5	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	02/26/91	518.0	1.62	ND	ND	1.98	ND	3.78
444.0	Intake Cove/Transplant	TCM	02/26/92	69.1	ND	ND	ND	6.20	ND	ND
445.0	San Luis Harbor/Transplant	TCM	02/25/91	1061.6	19.53	197.40	ND	1.47	29.40	273.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	1879.6	32.00	50.00	ND	4.80	67.00	540.00
480.0	Lake Isabella	RFC	02/09/93	15.9	ND	ND	1.30	ND	ND	3.00
506.1	Port Hueneme/Wharf B	TCM	01/25/88	2530.0	ND	ND	ND	ND	ND	895.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
437.0	ND	ND	ND	2.30	ND	2.50	ND	ND	ND
443.0	ND	ND	ND	3.78	ND	2.31	ND	ND	ND
443.0	5.70	5.30	3.40	3.00	3.10	3.20	2.20	2.90	2.30
443.1	ND	ND	ND	2.72	ND	1.76	ND	ND	ND
444.0	ND	ND	ND	59.40	108.00	234.00	73.80	17.10	1.44
444.0	ND	ND	3.10	9.80	11.00	32.00	ND	2.40	ND
445.0	9.87	3.15	15.12	6.93	4.62	15.54	4.20	5.67	14.49
445.0	41.00	10.00	50.00	4.90	6.10	15.00	10.00	19.00	33.00
480.0	ND	ND	ND	2.30	1.60	3.80	ND	ND	ND
506.1	276.00	109.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
437.0	ND	ND	ND	2.30	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	0.63	ND
443.0	2.00	ND	4.50	5.40	6.20	6.50	4.70	5.20	5.00
443.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	7.20	3.24	6.48	ND	ND	ND
444.0	ND	ND	ND	2.30	ND	2.30	ND	ND	ND
445.0	ND	ND	ND	165.90	10.50	273.00	0.84	10.92	ND
445.0	ND	6.60	ND	410.00	32.00	500.00	9.90	32.00	6.30
480.0	ND	ND	ND	1.40	ND	2.50	ND	ND	ND
506.1	ND	ND	ND	447.00	ND	671.00	ND	132.00	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	1161.0	ND	ND	ND	ND	ND	551.00
506.3	Port Hueneme/Entrance	TCM	01/25/88	987.0	ND	ND	ND	ND	ND	471.00
601.0	LA Harbor/National Steel	TCM	12/28/87	332.0	ND	ND	ND	ND	ND	166.00
602.8	LA Harbor/Berth 49	TCM	12/28/87	ND	ND	ND	ND	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/28/87	706.0	ND	ND	ND	ND	ND	328.00
603.0	LA Harbor/Berth 151	TCM	12/19/88	461.9	ND	ND	ND	ND	ND	238.40
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	ND	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	142.6	ND	ND	ND	ND	ND	49.60
621.0	LA Harbor/Berth 120	TCM	12/23/90	354.9	ND	13.53	ND	ND	28.29	71.34
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	53.0	ND	1.70	ND	ND	4.40	13.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
506.2	211.00	ND	ND	ND	ND	ND	ND	ND	ND
506.3	167.00	ND	ND	ND	ND	ND	ND	ND	ND
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	139.00	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
621.0	27.06	18.45	ND	3.32	1.23	ND	ND	ND	2.21
715.0	2.50	ND	ND	2.50	1.20	2.30	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
506.2	ND	ND	ND	ND	ND	399.00	ND	ND	ND
506.3	ND	ND	ND	ND	ND	349.00	ND	ND	ND
601.0	ND	ND	ND	ND	ND	166.00	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	239.00	ND	ND	ND
603.0	ND	ND	ND	ND	ND	223.50	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	93.00	ND	ND	ND
621.0	ND	4.55	3.94	9.10	2.34	119.31	10.33	38.13	1.72
715.0	ND	ND	2.70	2.70	ND	17.00	ND	3.00	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	191.7	2.10	8.10	ND	ND	12.00	37.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	24.3	ND	0.90	ND	ND	2.40	4.20
725.0	Newport Bay/Crows Nest	TCM	01/05/93	12.1	ND	ND	ND	ND	ND	2.40
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	80.4	1.40	3.10	ND	0.90	5.30	9.90
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	210.2	ND	3.70	ND	1.80	12.00	34.00
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	ND	ND	ND	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	30.6	ND	30.60	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	72.9	ND	ND	1.20	ND	1.20	13.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	164.1	ND	2.20	ND	2.70	2.70	29.00
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
719.1	7.90	2.90	6.40	2.70	3.10	4.00	2.10	6.20	ND
724.0	ND	ND	ND	3.40	1.20	3.40	ND	ND	ND
725.0	ND	1.10	ND	2.60	ND	1.60	ND	ND	ND
726.4	2.60	2.20	8.10	8.60	2.80	11.00	ND	ND	1.40
727.0	5.30	ND	4.40	7.30	8.30	15.00	5.10	5.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	2.70	3.30	3.10	5.40	ND	2.10	ND
728.7	3.10	ND	6.20	3.30	ND	19.00	3.70	7.10	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
719.1	ND	2.00	3.50	23.00	11.00	42.00	5.90	7.20	2.60
724.0	ND	ND	ND	1.30	ND	6.20	ND	1.30	ND
725.0	ND	ND	ND	1.20	ND	3.20	ND	ND	ND
726.4	ND	ND	ND	12.00	ND	9.00	ND	2.10	ND
727.0	ND	1.70	2.00	16.00	10.00	72.00	ND	6.60	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	1.20	12.00	5.10	21.00	ND	1.60	ND
728.7	ND	ND	1.40	23.00	14.00	43.00	ND	3.70	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.1	San Onofre 1	TCM	03/12/91	5.4	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	5.2	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	2.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	16.2	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	5.3	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	3.9	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.1	ND	ND	ND	3.93	ND	1.51	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	3.50	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	2.00	ND	ND	ND
744.3	ND	ND	ND	16.17	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	4.12	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	3.86	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	1.68	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	1.14	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.6	San Onofre 6	TCM	03/12/91	6.3	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	486.4	ND	ND	ND	ND	ND	204.80
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	470.1	11.00	28.00	ND	ND	35.00	180.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	1944.1	49.00	150.00	7.20	3.00	150.00	520.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	2709.2	97.00	180.00	6.30	7.20	190.00	720.00
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	491.1	12.00	26.00	ND	ND	28.00	190.00
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	1790.0	ND	ND	ND	ND	156.00	704.00
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	4139.5	376.00	75.00	ND	ND	ND	1094.40
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	2.1	0.08	0.51	ND	ND	0.24	0.21

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.6	ND	ND	ND	6.29	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	128.00	ND	ND	ND	ND	ND	ND	ND	ND
882.7	29.00	7.40	3.80	3.10	1.90	3.60	ND	ND	4.80
882.8	130.00	20.00	31.00	2.70	3.30	13.00	8.90	14.00	36.00
882.8	170.00	35.00	53.00	4.40	9.30	33.00	14.00	13.00	55.00
883.4	23.00	6.10	5.60	1.60	ND	2.70	ND	ND	6.00
883.6	126.00	ND	ND	ND	ND	ND	ND	ND	ND
883.6	119.70	78.66	ND	ND	ND	ND	ND	ND	ND
883.6	0.31	**	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	ND	ND	ND	ND	ND	153.00	ND	ND	ND
882.7	ND	3.50	8.30	23.00	2.80	86.00	7.60	26.00	5.30
882.8	ND	20.00	28.00	140.00	27.00	390.00	40.00	140.00	21.00
882.8	ND	24.00	33.00	290.00	32.00	540.00	43.00	130.00	30.00
883.4	ND	3.20	4.80	38.00	3.20	110.00	6.00	22.00	2.90
883.6	ND	ND	ND	ND	ND	541.00	129.00	134.00	ND
883.6	ND	ND	ND	598.50	167.58	1470.60	159.03	ND	ND
883.6	ND	0.17	ND	0.07	ND	0.21	0.30	ND	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	4325.5	45.00	230.00	67.00	ND	600.00	180.00
887.0	San Diego Bay/Evans Street	SED	09/07/90	6.8	0.18	1.34	0.02	ND	0.65	0.91
887.0	San Diego Bay/Evans Street	TCM	12/22/90	1428.7	52.65	69.03	2.22	0.70	95.94	468.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	2046.0	53.00	100.00	3.40	2.60	120.00	670.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	1199.2	29.00	63.00	ND	1.00	69.00	433.50
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	3745.4	81.00	280.00	8.60	3.70	320.00	1000.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	ND	ND	ND	ND	ND	ND	ND
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	583.0	ND	ND	ND	ND	ND	376.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	231.1	7.40	12.00	ND	ND	15.00	71.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
883.6	720.00	310.00	10.00	7.50	2.60	5.50	2.30	ND	2.60
887.0	0.93	**	0.04	ND	ND	ND	ND	ND	ND
887.0	37.44	46.80	19.89	3.51	3.16	9.48	12.87	15.21	18.72
887.0	110.00	19.00	38.00	2.70	3.40	8.40	5.60	6.90	31.00
887.0	64.00	17.00	23.00	3.20	2.10	5.80	ND	ND	11.00
888.0	290.00	65.00	57.00	3.90	5.90	13.00	11.00	6.30	55.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	104.00	ND	ND	ND	ND	ND	ND	ND	ND
899.0	7.00	5.50	ND	3.20	ND	10.00	2.00	2.90	5.80

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
883.6	15.00	96.00	260.00	56.00	16.00	360.00	590.00	470.00	280.00
887.0	ND	0.10	ND	0.19	0.19	1.02	0.47	0.49	0.27
887.0	ND	17.55	15.21	128.70	24.57	292.50	24.57	63.18	6.79
887.0	ND	13.00	26.00	190.00	42.00	450.00	25.00	110.00	16.00
887.0	1.70	8.30	15.00	91.00	9.20	263.50	17.00	63.00	8.90
888.0	ND	31.00	54.00	310.00	52.00	690.00	81.00	290.00	37.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	ND	ND	ND	ND	ND	ND	ND	103.00	ND
899.0	ND	5.30	ND	29.00	ND	46.00	2.40	6.60	ND

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APPENDIX R (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	114.7	1.20	1.70	ND	ND	3.50	38.00
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
901.0	San Diego Bay/Degausing Station	SED	09/07/90	0.0369	ND	ND	ND	ND	0.04	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	1492.4	54.00	35.00	ND	2.50	35.00	530.00
904.0	Imperial Beach/Pier	RCM	12/22/90	957.8	22.88	14.96	ND	2.29	36.96	246.40

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
899.2	3.00	2.60	9.90	3.40	1.60	3.50	15.00	2.00	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
901.0	20.00	4.40	43.00	3.90	5.10	23.00	11.00	17.00	22.00
904.0	5.63	6.69	36.96	11.44	2.46	28.16	4.40	3.87	14.61

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
899.2	ND	ND	ND	4.30	4.90	17.00	ND	3.10	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	2.80	3.00	310.00	24.00	320.00	5.00	19.00	2.70
904.0	ND	ND	ND	264.00	15.49	228.80	4.22	7.57	ND

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APPENDIX S

Summary of 1987-93 Data

PAHs in Mussels, Clams, and Sediment

(ppb, dry weight)

APPENDIX S

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
2.0	Crescent City/STP Outfall	RCM	02/23/90	195.3	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	62.0	ND	ND	ND	ND	ND	5.00
2.0	Crescent City/STP Outfall	RCM	03/12/92	34.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	82.8	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	26.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	71.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	88.5	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	24.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	33.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/22/92	32.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
2.0	ND	NA	ND	117.19	ND	78.12	ND	ND	ND
2.0	ND	ND	ND	30.00	7.00	11.00	ND	ND	ND
2.0	ND	ND	ND	19.00	ND	15.00	ND	ND	ND
3.0	ND	NA	ND	82.84	ND	ND	ND	ND	ND
3.0	ND	ND	ND	20.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	22.00	ND	35.00	ND	ND	ND
10.0	ND	NA	ND	44.25	ND	44.25	ND	ND	ND
10.0	ND	ND	ND	13.00	ND	11.00	ND	ND	ND
10.0	ND	ND	ND	14.00	ND	19.00	ND	ND	ND
10.0	ND	ND	ND	16.00	ND	16.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
2.0	ND	ND	ND	9.00	ND	ND	ND	ND	ND
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
3.0	ND	ND	ND	6.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	14.00	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
95.0	McDaniel Slough	SED	09/18/90	0.9	ND	ND	ND	ND	0.41	0.16
95.0	McDaniel Slough	SED	10/08/91	647.1	8.00	27.00	ND	15.00	53.00	61.00
100.0	Mad River Slough	SED	09/18/90	0.3	ND	ND	ND	ND	0.06	0.09
100.0	Mad River Slough	TCM	02/27/91	66.0	ND	ND	ND	ND	ND	10.00
100.0	Mad River Slough	SED	10/08/91	1560.0	21.00	39.00	ND	39.00	56.00	210.00
100.5	Arcata Dock	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
101.0	Samoa Bridge/West	TCM	02/27/91	158.0	ND	ND	ND	ND	6.00	28.00
102.0	Samoa Bridge/East	TCM	02/27/91	129.0	ND	ND	ND	ND	ND	17.00
102.0	Samoa Bridge/East	TCM	02/25/92	522.0	ND	ND	ND	ND	16.00	45.00
103.0	Eureka Channel	TCM	02/27/91	192.0	13.00	ND	ND	ND	ND	38.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
95.0	ND	NA	ND	ND	ND	ND	ND	ND	0.06
95.0	25.00	12.00	15.00	39.00	18.00	40.00	22.00	12.00	6.80
100.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
100.0	ND	ND	ND	13.00	ND	13.00	ND	ND	ND
100.0	58.00	19.00	79.00	110.00	73.00	100.00	74.00	39.00	31.00
100.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	9.00	15.00	ND	15.00	ND	ND	ND
102.0	ND	ND	9.00	26.00	ND	17.00	ND	ND	ND
102.0	ND	ND	22.00	71.00	54.00	170.00	23.00	ND	ND
103.0	ND	ND	ND	22.00	ND	19.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
95.0	ND	ND	ND	0.05	ND	0.19	ND	ND	ND
95.0	6.30	15.00	33.00	89.00	20.00	76.00	13.00	29.00	12.00
100.0	ND	ND	ND	0.05	ND	0.07	ND	ND	ND
100.0	ND	ND	ND	19.00	ND	11.00	ND	ND	ND
100.0	18.00	66.00	39.00	220.00	64.00	160.00	ND	30.00	15.00
100.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
101.0	ND	ND	ND	56.00	ND	29.00	ND	ND	ND
102.0	ND	ND	ND	39.00	ND	21.00	ND	ND	ND
102.0	ND	ND	ND	72.00	ND	49.00	ND	ND	ND
103.0	ND	ND	ND	66.00	ND	34.00	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
103.0	Eureka Channel	TCM	02/17/93	290.0	ND	ND	ND	ND	ND	33.00
103.3	E Street	TCM	02/27/91	578.0	19.00	10.00	ND	ND	24.00	110.00
103.3	E Street	TCM	02/25/92	353.0	ND	ND	ND	ND	ND	62.00
103.7	Eda Dock	TCM	02/27/91	338.0	ND	ND	ND	ND	13.00	68.00
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/27/91	69.0	11.00	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	188.0	ND	ND	ND	ND	ND	23.00
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	40.0	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	56.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
103.0	ND	ND	19.00	32.00	20.00	53.00	ND	18.00	ND
103.3	ND	ND	17.00	28.00	10.00	29.00	ND	18.00	13.00
103.3	ND	ND	30.00	43.00	ND	57.00	ND	ND	ND
103.7	ND	ND	14.00	21.00	ND	37.00	20.00	ND	ND
104.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
104.0	ND	ND	ND	17.00	13.00	31.00	ND	ND	ND
104.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.5	ND	ND	ND	21.00	ND	14.00	ND	ND	ND
104.5	ND	ND	ND	13.00	ND	22.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
103.0	ND	ND	ND	76.00	ND	39.00	ND	ND	ND
103.3	ND	ND	ND	150.00	34.00	110.00	ND	6.00	ND
103.3	ND	ND	ND	94.00	ND	67.00	ND	ND	ND
103.7	ND	ND	ND	97.00	13.00	55.00	ND	ND	ND
104.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.0	ND	ND	ND	22.00	7.00	ND	ND	ND	ND
104.0	ND	ND	ND	69.00	13.00	22.00	ND	ND	ND
104.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.5	ND	ND	ND	5.00	ND	ND	ND	ND	ND
104.5	ND	ND	ND	21.00	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
106.0	Fields Landing	SED	09/18/90	ND	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	139.0	ND	ND	ND	ND	ND	19.00
159.0	Russian River West Fork	TFC	03/06/92	89.0	ND	ND	ND	ND	ND	25.00
160.0	Lake Mendocino	RFC	11/30/89	133.3	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	153.0	ND	ND	ND	ND	56.00	ND
175.0	Big Sulfur Creek	TFC	03/30/93	140.0	ND	ND	10.00	ND	ND	30.00
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	44.0	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
106.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	9.00	22.00	ND	17.00	ND	ND	ND
159.0	ND	ND	ND	25.00	ND	39.00	ND	ND	ND
160.0	ND	NA	ND	66.67	ND	66.67	ND	ND	ND
165.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	40.00	ND	57.00	ND	ND	ND
175.0	ND	ND	ND	16.00	ND	14.00	ND	ND	ND
190.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	28.00	ND	12.00	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
106.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
106.0	ND	ND	ND	55.00	ND	17.00	ND	ND	ND
159.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
175.0	ND	ND	ND	42.00	ND	28.00	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
190.0	ND	ND	ND	4.00	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	419.4	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	37.0	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	64.0	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	09/01/92	59.0	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	01/29/91	58.0	ND	ND	ND	ND	ND	16.00
203.0	Tomales Bay	RBM	12/30/91	111.0	ND	ND	ND	ND	ND	30.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	1311.0	ND	21.00	ND	ND	52.00	290.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	129.03	88.71	120.97	80.65	ND	ND
202.0	ND	ND	ND	24.00	ND	13.00	ND	ND	ND
202.0	ND	ND	ND	29.00	ND	35.00	ND	ND	ND
202.0	ND	ND	ND	26.00	ND	33.00	ND	ND	ND
203.0	ND	ND	ND	13.00	ND	ND	ND	ND	ND
203.0	ND	ND	ND	18.00	ND	13.00	ND	ND	ND
205.0	21.00	ND	23.00	33.00	22.00	55.00	28.00	76.00	15.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
203.0	ND	ND	ND	29.00	ND	21.00	ND	ND	ND
205.0	ND	ND	ND	310.00	88.00	260.00	ND	17.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	1134.0	ND	34.00	ND	ND	59.00	260.00
207.0	Point Reyes	RCM	01/29/91	24.0	ND	ND	ND	ND	ND	ND
290.0	Russian River/near Moscow	TFC	03/30/93	115.0	ND	ND	ND	ND	ND	36.00
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	1263.2	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	842.0	ND	40.00	ND	ND	220.00	91.00
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	531.0	ND	17.00	ND	ND	99.00	120.00
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
205.0	31.00	ND	25.00	23.00	15.00	66.00	30.00	ND	ND
207.0	ND	ND	ND	24.00	ND	ND	ND	ND	ND
290.0	ND	ND	ND	13.00	ND	14.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.1	54.00	40.00	ND	22.00	ND	ND	ND	ND	ND
295.2	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.2	ND	10.00	ND	26.00	ND	ND	ND	ND	ND
295.3	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
205.0	ND	ND	ND	230.00	84.00	250.00	ND	27.00	ND
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
290.0	ND	ND	ND	28.00	ND	24.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	ND	ND	ND	ND	ND	NA	1263.16	ND
295.1	ND	ND	ND	29.00	19.00	200.00	60.00	67.00	ND
295.2	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.2	ND	ND	ND	43.00	21.00	170.00	ND	25.00	ND
295.3	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	327.0	ND	ND	ND	ND	48.00	59.00
295.4	Russian River/Wholer Bridge	TFC	04/07/92	296.0	ND	ND	ND	ND	57.00	81.00
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
297.0	Putah Creek	RFC	12/05/89	209.7	ND	ND	ND	ND	ND	ND
302.0	Point Pinole	TCM	01/16/91	191.0	ND	ND	ND	ND	15.00	23.00
302.0	Point Pinole	TCM	12/27/91	228.0	19.00	15.00	ND	ND	20.00	37.00
302.0	Point Pinole	TCM	01/20/93	186.0	ND	ND	ND	ND	13.00	24.00
302.4	Castro Cove Bridge	TCM	01/18/88	12530.0	2200.00	ND	ND	ND	1100.00	1300.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
295.4	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	48.00	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	NA	ND	112.90	ND	96.77	ND	ND	ND
302.0	ND	8.00	ND	59.00	ND	ND	ND	ND	ND
302.0	17.00	ND	ND	15.00	ND	17.00	ND	ND	ND
302.0	11.00	ND	ND	43.00	15.00	22.00	ND	ND	ND
302.4	2500.00	1000.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
295.4	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.4	ND	ND	ND	33.00	14.00	110.00	ND	15.00	ND
295.4	ND	ND	ND	39.00	ND	92.00	ND	27.00	ND
295.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
302.0	ND	ND	ND	24.00	ND	44.00	11.00	7.00	ND
302.0	ND	ND	16.00	27.00	ND	45.00	ND	ND	ND
302.0	ND	ND	ND	25.00	ND	33.00	ND	ND	ND
302.4	ND	ND	ND	1500.00	ND	ND	930.00	2000.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
302.4	Castro Cove Bridge	TCM	12/29/88	24960.0	1200.00	1500.00	ND	ND	2400.00	5500.00
302.4	Castro Cove Bridge	TCM	03/21/90	40210.2	4012.74	2547.77	ND	ND	ND	10191.08
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	2995.0	80.00	170.00	ND	ND	200.00	700.00
303.3	Lauritzen Canal/End	TCM	03/22/91	5119.0	150.00	570.00	19.00	ND	640.00	1100.00
303.4	Santa Fe Channel/End	TCM	03/22/91	2465.0	ND	160.00	ND	ND	290.00	780.00
304.4	Seri Intake	TCM	03/22/91	386.0	ND	14.00	ND	ND	22.00	79.00
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	134.0	12.00	ND	ND	ND	8.00	26.00
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	325.0	ND	19.00	ND	ND	25.00	58.00
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	1209.0	50.00	37.00	ND	ND	48.00	280.00
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	240.0	9.00	10.00	ND	ND	12.00	49.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
302.4	930.00	550.00	ND	ND	ND	ND	ND	ND	ND
302.4	1464.97	NA	547.77	121.02	ND	76.43	101.91	ND	ND
303.1	94.00	53.00	79.00	53.00	13.00	36.00	14.00	ND	60.00
303.3	400.00	200.00	33.00	58.00	16.00	32.00	ND	ND	17.00
303.4	120.00	45.00	17.00	49.00	9.00	25.00	ND	19.00	ND
304.4	ND	14.00	13.00	31.00	ND	10.00	ND	ND	ND
306.0	ND	ND	ND	12.00	ND	7.00	ND	ND	ND
306.0	15.00	ND	18.00	12.00	ND	20.00	ND	ND	ND
306.0	27.00	ND	41.00	17.00	ND	20.00	ND	ND	32.00
307.0	11.00	5.00	ND	13.00	ND	8.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
302.4	ND	ND	ND	5200.00	1100.00	5400.00	530.00	650.00	ND
302.4	ND	ND	ND	4522.29	3312.10	11464.97	NA	1847.13	ND
303.1	ND	19.00	17.00	630.00	74.00	580.00	50.00	73.00	ND
303.3	ND	38.00	110.00	290.00	88.00	790.00	180.00	320.00	68.00
303.4	ND	ND	8.00	240.00	ND	550.00	37.00	110.00	6.00
304.4	ND	ND	9.00	76.00	8.00	79.00	19.00	12.00	ND
306.0	ND	ND	ND	34.00	ND	35.00	ND	ND	ND
306.0	ND	ND	13.00	80.00	ND	65.00	ND	ND	ND
306.0	ND	ND	18.00	310.00	17.00	280.00	13.00	19.00	ND
307.0	ND	ND	ND	51.00	ND	56.00	8.00	8.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	903.0	51.00	45.00	ND	ND	51.00	160.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	4020.0	130.00	110.00	ND	13.00	83.00	1100.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	1149.0	64.00	50.00	ND	ND	120.00	270.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	2122.0	77.00	140.00	ND	ND	180.00	540.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	995.0	14.00	50.00	ND	ND	72.00	200.00
307.5	Lake Merritt	RBM	05/22/92	4628.0	76.00	430.00	18.00	ND	470.00	1100.00
307.5	Lake Merritt	RCM	03/16/93	3468.0	160.00	190.00	14.00	ND	120.00	1000.00
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	166.0	ND	ND	ND	ND	ND	41.00
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	211.0	ND	ND	ND	ND	19.00	36.00
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	330.0	ND	15.00	ND	ND	20.00	30.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
307.0	24.00	ND	37.00	18.00	ND	44.00	ND	ND	17.00
307.0	54.00	15.00	130.00	37.00	20.00	61.00	11.00	ND	84.00
307.4	29.00	26.00	18.00	29.00	ND	19.00	ND	ND	ND
307.4	110.00	26.00	43.00	21.00	ND	34.00	ND	35.00	21.00
307.4	47.00	16.00	96.00	37.00	18.00	42.00	ND	ND	ND
307.5	440.00	130.00	69.00	23.00	17.00	37.00	ND	ND	37.00
307.5	210.00	66.00	59.00	29.00	16.00	30.00	ND	ND	31.00
308.0	ND	16.00	ND	46.00	ND	ND	ND	ND	ND
308.0	21.00	ND	ND	ND	ND	ND	ND	ND	ND
308.0	25.00	10.00	ND	43.00	20.00	28.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
307.0	ND	ND	24.00	220.00	ND	180.00	15.00	17.00	ND
307.0	ND	ND	31.00	1000.00	49.00	1000.00	19.00	57.00	16.00
307.4	ND	28.00	ND	140.00	20.00	240.00	38.00	58.00	ND
307.4	ND	ND	49.00	190.00	45.00	440.00	40.00	110.00	21.00
307.4	ND	ND	47.00	47.00	ND	250.00	ND	59.00	ND
307.5	ND	46.00	71.00	250.00	44.00	790.00	140.00	390.00	50.00
307.5	ND	29.00	47.00	330.00	39.00	800.00	67.00	200.00	31.00
308.0	ND	ND	ND	ND	ND	63.00	ND	ND	ND
308.0	ND	ND	20.00	21.00	ND	54.00	22.00	ND	18.00
308.0	ND	ND	43.00	17.00	ND	42.00	18.00	19.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
309.0	San Mateo Bridge/8B	TCM	01/16/91	190.0	ND	10.00	ND	ND	20.00	38.00
309.0	San Mateo Bridge/8B	TCM	12/16/91	337.0	ND	22.00	ND	ND	35.00	40.00
309.0	San Mateo Bridge/8B	TCM	02/01/93	388.0	ND	ND	ND	ND	23.00	35.00
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	334.0	ND	ND	ND	ND	27.00	53.00
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	221.0	ND	17.00	ND	ND	21.00	31.00
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	450.0	ND	17.00	ND	ND	23.00	51.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	395.0	ND	15.00	ND	ND	30.00	51.00
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	142.0	ND	ND	ND	ND	ND	25.00
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	218.0	ND	ND	ND	ND	15.00	36.00
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	201.0	ND	ND	ND	ND	15.00	22.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
309.0	ND	8.00	ND	37.00	ND	ND	ND	ND	ND
309.0	39.00	ND	ND	ND	ND	ND	ND	ND	ND
309.0	28.00	25.00	ND	51.00	21.00	31.00	ND	ND	ND
313.0	35.00	30.00	ND	65.00	ND	ND	ND	ND	ND
313.0	25.00	ND	ND	ND	ND	ND	ND	ND	ND
313.0	45.00	10.00	ND	24.00	ND	13.00	ND	ND	ND
321.0	34.00	23.00	ND	55.00	ND	ND	ND	ND	ND
321.0	15.00	ND	ND	17.00	ND	15.00	ND	ND	ND
326.0	ND	12.00	ND	20.00	ND	ND	ND	ND	ND
326.0	12.00	ND	ND	24.00	11.00	26.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
309.0	ND	16.00	ND	9.00	ND	52.00	ND	ND	ND
309.0	ND	ND	37.00	24.00	ND	60.00	28.00	23.00	29.00
309.0	ND	ND	54.00	16.00	ND	51.00	25.00	28.00	ND
313.0	ND	ND	17.00	ND	ND	83.00	24.00	ND	ND
313.0	ND	ND	28.00	17.00	ND	43.00	22.00	17.00	ND
313.0	ND	11.00	59.00	19.00	ND	76.00	38.00	34.00	30.00
321.0	ND	ND	13.00	20.00	ND	74.00	43.00	37.00	ND
321.0	ND	ND	15.00	ND	ND	41.00	14.00	ND	ND
326.0	ND	ND	ND	17.00	ND	55.00	40.00	23.00	ND
326.0	ND	ND	13.00	19.00	ND	35.00	12.00	12.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	50.0	ND	ND	ND	ND	ND	ND
336.0	J. Fitzgerald	RCM	01/30/91	28.0	ND	ND	ND	ND	ND	ND
399.5	San Lorenzo River	SED	01/14/91	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	SED	12/03/90	ND	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	657.0	15.00	ND	ND	ND	65.00	100.00
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	ND	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	66.0	ND	ND	ND	ND	ND	14.00
400.8	Aptos Creek	TFC	12/19/91	ND	ND	ND	ND	ND	ND	ND
404.0	Sandholdt Bridge	TCM	02/04/91	1080.0	25.00	41.00	ND	ND	70.00	240.00
404.0	Sandholdt Bridge	TCM	01/28/92	1021.0	19.00	ND	ND	23.00	22.00	110.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
326.0	ND	ND	ND	20.00	ND	18.00	ND	ND	ND
336.0	ND	ND	ND	17.00	ND	11.00	ND	ND	ND
399.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	ND	NA	ND	ND	ND	ND	ND	ND	ND
399.7	40.00	ND	ND	56.00	14.00	33.00	ND	ND	ND
400.8	ND	NA	ND	ND	ND	ND	ND	ND	ND
400.8	ND	ND	ND	32.00	ND	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	7.00	4.00	61.00	42.00	11.00	52.00	ND	ND	16.00
404.0	ND	ND	71.00	51.00	38.00	150.00	51.00	50.00	50.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
326.0	ND	ND	ND	12.00	ND	ND	ND	ND	ND
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	15.00	ND	47.00	45.00	180.00	23.00	24.00	ND
400.8	ND	ND	ND	ND	ND	ND	NA	ND	ND
400.8	ND	ND	ND	ND	20.00	ND	ND	ND	ND
400.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
404.0	ND	7.00	ND	260.00	11.00	210.00	10.00	13.00	ND
404.0	ND	ND	ND	250.00	36.00	100.00	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
404.0	Sandholdt Bridge	TCM	02/01/93	738.0	21.00	21.00	ND	ND	24.00	140.00
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	61.0	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/12/93	24.0	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	TFC	05/25/92	510.0	ND	ND	ND	ND	ND	53.00
426.5	Cayucos Pier	TCM	02/25/91	1189.0	28.00	15.00	ND	3.00	32.00	320.00
430.0	Montana De Oro	RCM	11/14/90	22.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/91	36.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
404.0	ND	ND	40.00	20.00	18.00	47.00	ND	11.00	42.00
414.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	36.00	ND	15.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	13.00	ND	11.00	ND	ND	ND
425.6	ND	NA	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	41.00	52.00	140.00	73.00	ND	ND
426.5	3.00	3.00	36.00	22.00	9.00	24.00	ND	ND	31.00
430.0	ND	ND	ND	22.00	ND	ND	ND	ND	ND
430.0	ND	ND	ND	28.00	ND	8.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
404.0	ND	ND	ND	220.00	14.00	120.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	10.00	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	ND	ND	ND	NA	ND	ND
425.6	ND	ND	ND	51.00	ND	100.00	ND	ND	ND
426.5	ND	ND	ND	340.00	33.00	290.00	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
430.0	Montana De Oro	RCM	12/03/91	35.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/92	112.0	ND	ND	ND	ND	ND	31.00
430.2	Montana De Oro 1	TCM	11/14/90	19.0	ND	ND	ND	ND	ND	ND
430.2	Montana De Oro 1	TCM	12/04/91	13.0	ND	ND	ND	ND	ND	ND
430.4	Montana De Oro 2	TCM	11/14/90	21.0	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/91	31.0	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/92	20.0	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/91	28.0	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/92	16.0	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	02/25/91	27.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
430.0	ND	ND	ND	16.00	ND	19.00	ND	ND	ND
430.0	ND	ND	ND	14.00	ND	14.00	ND	ND	ND
430.2	ND	ND	ND	19.00	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	13.00	ND	ND	ND
430.4	ND	ND	ND	21.00	ND	ND	ND	ND	ND
434.0	ND	ND	ND	13.00	ND	8.00	ND	ND	ND
434.0	ND	ND	ND	ND	ND	20.00	ND	ND	ND
435.0	7.00	ND	ND	15.00	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	16.00	ND	ND	ND
437.0	ND	ND	ND	16.00	ND	5.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	24.00	ND	29.00	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	10.00	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	6.00	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	6.00	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
437.0	Point San Luis	RCM	02/26/92	55.0	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	32.0	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	720.0	33.00	37.00	33.00	ND	42.00	49.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	28.0	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	02/26/91	2878.0	9.00	ND	ND	11.00	ND	21.00
444.0	Intake Cove/Transplant	TCM	02/26/92	455.0	ND	ND	ND	41.00	ND	ND
445.0	San Luis Harbor/Transplant	TCM	02/25/91	5055.0	93.00	940.00	ND	7.00	140.00	1300.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	10520.0	180.00	280.00	ND	27.00	380.00	3000.00
480.0	Lake Isabella	RFC	02/09/93	139.0	ND	ND	12.00	ND	ND	26.00
506.1	Port Hueneme/Wharf B	TCM	01/25/88	19230.0	ND	ND	ND	ND	ND	6800.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
437.0	ND	ND	ND	18.00	ND	19.00	ND	ND	ND
443.0	ND	ND	ND	18.00	ND	11.00	ND	ND	ND
443.0	43.00	39.00	25.00	22.00	23.00	24.00	17.00	22.00	17.00
443.1	ND	ND	ND	17.00	ND	11.00	ND	ND	ND
444.0	ND	ND	ND	330.00	600.00	1300.00	410.00	95.00	8.00
444.0	ND	ND	20.00	64.00	74.00	210.00	ND	16.00	ND
445.0	47.00	15.00	72.00	33.00	22.00	74.00	20.00	27.00	69.00
445.0	230.00	57.00	280.00	28.00	34.00	86.00	59.00	100.00	190.00
480.0	ND	ND	ND	20.00	14.00	33.00	ND	ND	ND
506.1	2100.00	830.00	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
437.0	ND	ND	ND	18.00	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	3.00	ND
443.0	15.00	ND	33.00	41.00	46.00	49.00	35.00	38.00	37.00
443.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	40.00	18.00	36.00	ND	ND	ND
444.0	ND	ND	ND	15.00	ND	15.00	ND	ND	ND
445.0	ND	ND	ND	790.00	50.00	1300.00	4.00	52.00	ND
445.0	ND	37.00	ND	2300.00	180.00	2800.00	56.00	180.00	36.00
480.0	ND	ND	ND	12.00	ND	22.00	ND	ND	ND
506.1	ND	ND	ND	3400.00	ND	5100.00	ND	1000.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	9900.0	ND	ND	ND	ND	ND	4700.00
506.3	Port Hueneme/Entrance	TCM	01/25/88	6500.0	ND	ND	ND	ND	ND	3100.00
601.0	LA Harbor/National Steel	TCM	12/28/87	2800.0	ND	ND	ND	ND	ND	1400.00
602.8	LA Harbor/Berth 49	TCM	12/28/87	ND	ND	ND	ND	ND	ND	ND
603.0	LA Harbor/Berth 151	TCM	12/28/87	5600.0	ND	ND	ND	ND	ND	2600.00
603.0	LA Harbor/Berth 151	TCM	12/19/88	3100.0	ND	ND	ND	ND	ND	1600.00
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	ND	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	1150.0	ND	ND	ND	ND	ND	400.00
621.0	LA Harbor/Berth 120	TCM	12/23/90	2885.0	ND	110.00	ND	ND	230.00	580.00
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	490.0	ND	16.00	ND	ND	40.00	120.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
506.2	1800.00	ND	ND	ND	ND	ND	ND	ND	ND
506.3	1100.00	ND	ND	ND	ND	ND	ND	ND	ND
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	1100.00	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
621.0	220.00	150.00	ND	27.00	10.00	ND	ND	ND	18.00
715.0	23.00	ND	ND	22.00	11.00	21.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
506.2	ND	ND	ND	ND	ND	3400.00	ND	ND	ND
506.3	ND	ND	ND	ND	ND	2300.00	ND	ND	ND
601.0	ND	ND	ND	ND	ND	1400.00	ND	ND	ND
602.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	1900.00	ND	ND	ND
603.0	ND	ND	ND	ND	ND	1500.00	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	750.00	ND	ND	ND
621.0	ND	37.00	32.00	74.00	19.00	970.00	84.00	310.00	14.00
715.0	ND	ND	25.00	25.00	ND	160.00	ND	27.00	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	1266.0	14.00	54.00	ND	ND	79.00	240.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	344.0	ND	13.00	ND	ND	34.00	60.00
725.0	Newport Bay/Crows Nest	TCM	01/05/93	118.0	ND	ND	ND	ND	ND	23.00
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	629.8	11.00	25.00	ND	6.80	41.00	78.00
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	1310.0	ND	23.00	ND	11.00	73.00	210.00
728.4	Upper Newport Bay/MacArthur	TFC	03/07/88	ND	ND	ND	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	360.0	ND	360.00	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	633.0	ND	ND	11.00	ND	10.00	120.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	1345.0	ND	18.00	ND	22.00	22.00	240.00
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
719.1	53.00	19.00	42.00	18.00	21.00	27.00	14.00	42.00	ND
724.0	ND	ND	ND	48.00	17.00	48.00	ND	ND	ND
725.0	ND	11.00	ND	25.00	ND	16.00	ND	ND	ND
726.4	20.00	17.00	64.00	67.00	22.00	88.00	ND	ND	11.00
727.0	33.00	ND	28.00	46.00	51.00	92.00	32.00	31.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	23.00	28.00	27.00	47.00	ND	18.00	ND
728.7	25.00	ND	51.00	27.00	ND	160.00	30.00	58.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
719.1	ND	13.00	24.00	150.00	72.00	280.00	39.00	48.00	17.00
724.0	ND	ND	ND	18.00	ND	88.00	ND	18.00	ND
725.0	ND	ND	ND	12.00	ND	31.00	ND	ND	ND
726.4	ND	ND	ND	92.00	ND	71.00	ND	16.00	ND
727.0	ND	11.00	13.00	100.00	65.00	450.00	ND	41.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	11.00	100.00	44.00	180.00	ND	14.00	ND
728.7	ND	ND	11.00	190.00	110.00	350.00	ND	31.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.1	San Onofre 1	TCM	03/12/91	36.0	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	37.0	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	13.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	94.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	37.0	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	27.0	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.1	ND	ND	ND	26.00	ND	10.00	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	25.00	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	13.00	ND	ND	ND
744.3	ND	ND	ND	94.00	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	29.00	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	27.00	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	12.00	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	8.00	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.6	San Onofre 6	TCM	03/12/91	34.0	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
882.5	San Diego Bay/NASSCO Pier 12	TCM	12/22/87	3800.0	ND	ND	ND	ND	ND	1600.00
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	5945.0	140.00	350.00	ND	ND	430.00	2300.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	13966.0	360.00	1100.00	52.00	22.00	1100.00	3700.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	19607.0	700.00	1300.00	46.00	52.00	1400.00	5200.00
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	4573.0	110.00	240.00	ND	ND	260.00	1800.00
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	10930.0	ND	ND	ND	ND	950.00	4300.00
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	24210.0	2200.00	440.00	ND	ND	ND	6400.00
883.6	San Diego Bay/7th Street Channel	SED	11/27/90	4.5	0.17	1.09	ND	ND	0.52	0.46

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.6	ND	ND	ND	34.00	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	1000.00	ND	ND	ND	ND	ND	ND	ND	ND
882.7	370.00	92.00	47.00	39.00	24.00	45.00	ND	ND	59.00
882.8	930.00	140.00	220.00	20.00	24.00	93.00	65.00	100.00	260.00
882.8	1200.00	250.00	380.00	32.00	67.00	240.00	100.00	90.00	400.00
883.4	210.00	57.00	52.00	15.00	ND	25.00	ND	ND	56.00
883.6	770.00	ND	ND	ND	ND	ND	ND	ND	ND
883.6	700.00	460.00	ND	ND	ND	ND	ND	ND	ND
883.6	0.66	**	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.5	ND	ND	ND	ND	ND	1200.00	ND	ND	ND
882.7	ND	44.00	100.00	290.00	34.00	1100.00	95.00	320.00	66.00
882.8	ND	150.00	200.00	1000.00	190.00	2800.00	290.00	1000.00	150.00
882.8	ND	180.00	240.00	2100.00	230.00	3900.00	310.00	970.00	220.00
883.4	ND	30.00	45.00	350.00	30.00	1000.00	56.00	210.00	27.00
883.6	ND	ND	ND	ND	ND	3300.00	790.00	820.00	ND
883.6	ND	ND	ND	3500.00	980.00	8600.00	930.00	ND	ND
883.6	ND	0.36	ND	0.16	ND	0.46	0.65	ND	ND

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** = sediment values for Fluoranthene, benzo(k) are included in Fluoranthene, benzo(b).

APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
883.6	San Diego Bay/7th Street Channel	SED	08/31/91	8802.4	92.00	460.00	140.00	ND	1200.00	380.00
887.0	San Diego Bay/Evans Street	SED	09/07/90	19.4	0.51	3.83	0.07	ND	1.84	2.60
887.0	San Diego Bay/Evans Street	TCM	12/22/90	12211.0	450.00	590.00	19.00	6.00	820.00	4000.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	15875.0	410.00	810.00	26.00	20.00	940.00	5200.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	14150.0	340.00	740.00	ND	12.00	820.00	5100.00
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	26481.0	570.00	1900.00	61.00	26.00	2300.00	7100.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	ND	ND	ND	ND	ND	ND	ND
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	3410.0	ND	ND	ND	ND	ND	2200.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	1345.0	43.00	68.00	ND	ND	89.00	410.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
883.6	1500.00	630.00	21.00	15.00	5.20	11.00	ND	ND	5.20
887.0	2.64	**	0.11	ND	ND	ND	ND	ND	ND
887.0	320.00	400.00	170.00	30.00	27.00	81.00	110.00	130.00	160.00
887.0	820.00	140.00	300.00	21.00	26.00	65.00	43.00	54.00	240.00
887.0	760.00	200.00	270.00	37.00	25.00	68.00	ND	ND	130.00
888.0	2100.00	460.00	400.00	28.00	41.00	94.00	77.00	44.00	380.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	610.00	ND	ND	ND	ND	ND	ND	ND	ND
899.0	40.00	32.00	ND	19.00	ND	59.00	12.00	17.00	33.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
883.6	30.00	200.00	520.00	110.00	33.00	730.00	1200.00	950.00	570.00
887.0	ND	0.28	ND	0.55	0.53	2.92	1.33	1.40	0.77
887.0	ND	150.00	130.00	1100.00	210.00	2500.00	210.00	540.00	58.00
887.0	ND	100.00	200.00	1500.00	320.00	3500.00	190.00	830.00	120.00
887.0	20.00	98.00	180.00	1100.00	110.00	3100.00	200.00	740.00	100.00
888.0	ND	220.00	380.00	2200.00	370.00	4800.00	570.00	2100.00	260.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	ND	ND	ND	ND	ND	ND	ND	600.00	ND
899.0	ND	31.00	ND	170.00	ND	270.00	14.00	38.00	ND

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TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected
** = sediment values for Fluoranthene, benzo(k) are included in Fluoranthene, benzo(b).

APPENDIX S (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	1007.0	11.00	15.00	ND	ND	31.00	330.00
899.4	San Diego Bay/Shelter Is/Fuel Dock	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
901.0	San Diego Bay/Degausing Station	SED	09/07/90	0.1	ND	ND	ND	ND	0.05	ND
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	7941.0	280.00	180.00	ND	13.00	190.00	2800.00
904.0	Imperial Beach/Pier	RCM	12/22/90	5442.0	130.00	85.00	ND	13.00	210.00	1400.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
899.2	26.00	23.00	88.00	30.00	15.00	31.00	130.00	18.00	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
901.0	110.00	23.00	220.00	20.00	27.00	120.00	57.00	92.00	110.00
904.0	32.00	38.00	210.00	65.00	14.00	160.00	25.00	22.00	83.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
899.2	ND	ND	ND	38.00	44.00	150.00	ND	27.00	ND
899.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
901.0	ND	15.00	16.00	1700.00	130.00	1700.00	26.00	98.00	14.00
904.0	ND	ND	ND	1500.00	88.00	1300.00	24.00	43.00	ND

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX T

Summary of 1987-93 Data

PAHs in Mussels and Clams

(ppb, lipid weight)

APPENDIX T

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
2.0	Crescent City/STP Outfall	RCM	02/23/90	2272.7	ND	ND	ND	ND	ND	ND
2.0	Crescent City/STP Outfall	RCM	02/27/90	1620.0	ND	ND	ND	ND	ND	130.65
2.0	Crescent City/STP Outfall	RCM	03/12/92	340.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/23/90	1750.0	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/27/90	677.7	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	03/12/92	1640.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/28/89	1250.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/18/90	753.7	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/08/91	490.0	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	10/22/92	530.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
2.0	ND	NA	ND	1363.64	ND	909.09	ND	ND	ND
2.0	ND	ND	ND	783.87	182.90	287.42	ND	ND	ND
2.0	ND	ND	ND	190.00	ND	150.00	ND	ND	ND
3.0	ND	NA	ND	1750.00	ND	ND	ND	ND	ND
3.0	ND	ND	ND	521.31	ND	ND	ND	ND	ND
3.0	ND	ND	ND	510.00	ND	810.00	ND	ND	ND
10.0	ND	NA	ND	625.00	ND	625.00	ND	ND	ND
10.0	ND	ND	ND	408.25	ND	345.44	ND	ND	ND
10.0	ND	ND	ND	210.00	ND	280.00	ND	ND	ND
10.0	ND	ND	ND	270.00	ND	260.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
2.0	ND	ND	ND	235.16	ND	ND	ND	ND	ND
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
3.0	ND	ND	ND	156.39	ND	ND	ND	ND	ND
3.0	ND	ND	ND	320.00	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
100.0	Mad River Slough	TCM	02/27/91	2141.6	ND	ND	ND	ND	ND	324.49
101.0	Samoa Bridge/West	TCM	02/27/91	4452.7	ND	ND	ND	ND	169.09	789.09
102.0	Samoa Bridge/East	TCM	02/27/91	5292.3	ND	ND	ND	ND	ND	697.44
102.0	Samoa Bridge/East	TCM	02/25/92	8010.0	ND	ND	ND	ND	250.00	690.00
103.0	Eureka Channel	TCM	02/27/91	4114.3	278.57	ND	ND	ND	ND	814.29
103.0	Eureka Channel	TCM	02/17/93	4540.0	ND	ND	ND	ND	ND	510.00
103.3	E Street	TCM	02/27/91	15568.7	511.77	269.35	ND	ND	646.45	2962.90
103.3	E Street	TCM	02/25/92	5730.0	ND	ND	ND	ND	ND	1000.00
103.7	Eda Dock	TCM	02/27/91	9207.6	ND	ND	ND	ND	354.14	1852.41
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
100.0	ND	ND	ND	421.84	ND	421.84	ND	ND	ND
101.0	ND	ND	253.64	422.73	ND	422.73	ND	ND	ND
102.0	ND	ND	369.23	1066.67	ND	697.44	ND	ND	ND
102.0	ND	ND	340.00	1100.00	830.00	2600.00	350.00	ND	ND
103.0	ND	ND	ND	471.43	ND	407.14	ND	ND	ND
103.0	ND	ND	300.00	500.00	310.00	830.00	ND	280.00	ND
103.3	ND	ND	457.90	754.19	269.35	781.13	ND	484.84	350.16
103.3	ND	ND	490.00	700.00	ND	940.00	ND	ND	ND
103.7	ND	ND	381.38	572.07	ND	1007.93	544.83	ND	ND
104.0	ND	NA	ND	ND	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
100.0	ND	ND	ND	616.53	ND	356.94	ND	ND	ND
101.0	ND	ND	ND	1578.18	ND	817.27	ND	ND	ND
102.0	ND	ND	ND	1600.00	ND	861.54	ND	ND	ND
102.0	ND	ND	ND	1100.00	ND	750.00	ND	ND	ND
103.0	ND	ND	ND	1414.29	ND	728.57	ND	ND	ND
103.0	ND	ND	ND	1200.00	ND	610.00	ND	ND	ND
103.3	ND	ND	ND	4040.32	915.81	2962.90	ND	161.61	ND
103.3	ND	ND	ND	1500.00	ND	1100.00	ND	ND	ND
103.7	ND	ND	ND	2642.41	354.14	1498.28	ND	ND	ND
104.0	ND	ND	ND	ND	ND	ND	NA	ND	ND

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ND = Not Detected

APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
104.0	Eureka STP/Outfall	TCM	02/27/91	2932.5	467.50	ND	ND	ND	ND	ND
104.0	Eureka STP/Outfall	TCM	02/25/92	2510.0	ND	ND	ND	ND	ND	310.00
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/27/91	873.7	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/25/92	770.0	ND	ND	ND	ND	ND	ND
106.0	Fields Landing	TCM	02/27/91	2926.3	ND	ND	ND	ND	ND	400.00
159.0	Russian River West Fork	TFC	03/06/92	1340.0	ND	ND	ND	ND	ND	380.00
160.0	Lake Mendocino	RFC	11/30/89	995.5	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/06/92	2160.0	ND	ND	ND	ND	790.00	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
104.0	ND	ND	ND	765.00	ND	467.50	ND	ND	ND
104.0	ND	ND	ND	230.00	170.00	410.00	ND	ND	ND
104.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
104.5	ND	ND	ND	458.68	ND	305.79	ND	ND	ND
104.5	ND	ND	ND	180.00	ND	300.00	ND	ND	ND
106.0	ND	ND	189.47	463.16	ND	357.89	ND	ND	ND
159.0	ND	ND	ND	380.00	ND	580.00	ND	ND	ND
160.0	ND	NA	ND	497.74	ND	497.74	ND	ND	ND
165.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	560.00	ND	810.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
104.0	ND	ND	ND	935.00	297.50	ND	ND	ND	ND
104.0	ND	ND	ND	920.00	170.00	300.00	ND	ND	ND
104.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
104.5	ND	ND	ND	109.21	ND	ND	ND	ND	ND
104.5	ND	ND	ND	290.00	ND	ND	ND	ND	ND
106.0	ND	ND	ND	1157.90	ND	357.89	ND	ND	ND
159.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
175.0	Big Sulfur Creek	TFC	03/30/93	1243.0	ND	ND	93.00	ND	ND	270.00
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	01/29/91	1257.1	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	03/05/92	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/14/87	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/24/88	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	5148.5	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/22/90	1428.6	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/28/91	1440.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
175.0	ND	ND	ND	140.00	ND	120.00	ND	ND	ND
190.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
190.0	ND	ND	ND	800.00	ND	342.86	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	ND	1584.16	1089.11	1485.15	990.10	ND	ND
202.0	ND	ND	ND	926.67	ND	501.94	ND	ND	ND
202.0	ND	ND	ND	650.00	ND	790.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
175.0	ND	ND	ND	370.00	ND	250.00	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
190.0	ND	ND	ND	114.29	ND	ND	ND	ND	ND
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected

APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
202.0	Bodega Head	RCM	09/01/92	1670.0	ND	ND	ND	ND	ND	ND
203.0	Tomales Bay	RBM	01/29/91	2245.2	ND	ND	ND	ND	ND	619.35
203.0	Tomales Bay	RBM	12/30/91	1250.0	ND	ND	ND	ND	ND	340.00
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/91	23034.4	ND	368.97	ND	ND	913.65	5095.33
205.0	Bodega Harbor/Spud Point Marina	TCM	01/10/92	20470.0	ND	620.00	ND	ND	1100.00	4700.00
207.0	Point Reyes	RCM	01/29/91	688.0	ND	ND	ND	ND	ND	ND
290.0	Russian River/near Moscow	TFC	03/30/93	834.0	ND	ND	ND	ND	ND	260.00
294.2	Windsor Creek/Mark West Station Rd	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	12244.9	ND	ND	ND	ND	ND	ND
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	01/30/91	9306.3	ND	442.11	ND	ND	2431.58	1005.79

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
202.0	ND	ND	ND	750.00	ND	920.00	ND	ND	ND
203.0	ND	ND	ND	503.23	ND	ND	ND	ND	ND
203.0	ND	ND	ND	210.00	ND	140.00	ND	ND	ND
205.0	368.97	ND	404.11	579.81	386.54	966.36	491.96	1335.33	263.55
205.0	570.00	ND	460.00	420.00	270.00	1200.00	540.00	ND	ND
207.0	ND	ND	ND	688.00	ND	ND	ND	ND	ND
290.0	ND	ND	ND	94.00	ND	100.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.1	596.84	442.11	ND	243.16	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
203.0	ND	ND	ND	696.77	ND	425.81	ND	ND	ND
203.0	ND	ND	ND	330.00	ND	230.00	ND	ND	ND
205.0	ND	ND	ND	5446.73	1546.17	4568.23	ND	298.69	ND
205.0	ND	ND	ND	4100.00	1500.00	4500.00	ND	490.00	ND
207.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
290.0	ND	ND	ND	200.00	ND	180.00	ND	ND	ND
294.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.1	ND	ND	ND	ND	ND	ND	NA	12244.90	ND
295.1	ND	ND	ND	320.53	210.00	2210.53	663.16	740.53	ND

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ND = Not Detected

APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	01/30/91	5846.4	ND	187.17	ND	ND	1090.00	1321.21
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	01/30/91	3306.7	ND	ND	ND	ND	485.39	596.63
295.4	Russian River/Wholer Bridge	TFC	04/07/92	3280.0	ND	ND	ND	ND	640.00	910.00
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	04/07/92	ND	ND	ND	ND	ND	ND	ND
297.0	Putah Creek	RFC	12/05/89	2047.2	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
295.2	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.2	ND	110.10	ND	286.26	ND	ND	ND	ND	ND
295.3	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.4	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	485.39	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.5	ND	NA	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	NA	ND	1102.36	ND	944.88	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
295.2	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.2	ND	ND	ND	473.43	231.21	1871.72	ND	275.25	ND
295.3	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.4	ND	ND	ND	333.71	141.57	1112.36	ND	151.69	ND
295.4	ND	ND	ND	430.00	ND	1000.00	ND	300.00	ND
295.5	ND	ND	ND	ND	ND	ND	NA	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
297.0	ND	ND	ND	ND	ND	ND	NA	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
302.0	Point Pinole	TCM	01/16/91	4379.0	ND	ND	ND	ND	343.90	527.32
302.0	Point Pinole	TCM	12/27/91	3460.0	290.00	220.00	ND	ND	310.00	560.00
302.0	Point Pinole	TCM	01/20/93	2110.0	ND	ND	ND	ND	150.00	280.00
302.4	Castro Cove Bridge	TCM	01/18/88	153253.0	26908.00	ND	ND	ND	13454.00	15900.00
302.4	Castro Cove Bridge	TCM	12/29/88	374400.0	18000.00	22500.00	ND	ND	36000.00	82500.01
302.4	Castro Cove Bridge	TCM	03/21/90	644183.7	64285.71	40816.32	ND	ND	ND	163265.30
303.1	Santa Fe Channel/Mouth	TCM	03/22/91	73994.1	1976.47	4200.00	ND	ND	4941.18	17294.12
303.3	Lauritzen Canal/End	TCM	03/22/91	142194.4	4166.67	15833.33	527.78	ND	17777.78	30555.55
303.4	Santa Fe Channel/End	TCM	03/22/91	41083.3	ND	2666.67	ND	ND	4833.33	13000.00
304.4	Serl Intake	TCM	03/22/91	8050.9	ND	292.00	ND	ND	458.86	1647.71

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
302.0	ND	183.41	ND	1352.68	ND	ND	ND	ND	ND
302.0	270.00	ND	ND	230.00	ND	250.00	ND	ND	ND
302.0	120.00	ND	ND	490.00	170.00	250.00	ND	ND	ND
302.4	30577.00	12231.00	ND	ND	ND	ND	ND	ND	ND
302.4	13950.00	8250.00	ND	ND	ND	ND	ND	ND	ND
302.4	23469.39	NA	8775.51	1938.78	ND	1224.49	1632.65	ND	ND
303.1	2322.35	1309.41	1951.77	1309.41	321.18	889.41	345.88	ND	1482.35
303.3	11111.11	5555.56	916.67	1611.11	444.44	888.89	ND	ND	472.22
303.4	2000.00	750.00	283.33	816.67	150.00	416.67	ND	316.67	ND
304.4	ND	292.00	271.14	646.57	ND	208.57	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
302.0	ND	ND	ND	550.24	ND	1008.78	252.20	160.49	ND
302.0	ND	ND	240.00	410.00	ND	680.00	ND	ND	ND
302.0	ND	ND	ND	280.00	ND	370.00	ND	ND	ND
302.4	ND	ND	ND	18346.00	ND	ND	11375.00	24462.00	ND
302.4	ND	ND	ND	78000.01	16500.00	81000.01	7950.00	9750.00	ND
302.4	ND	ND	ND	72448.98	53061.22	183673.50	NA	29591.84	ND
303.1	ND	469.41	420.00	15564.70	1828.23	14329.41	1235.29	1803.53	ND
303.3	ND	1055.56	3055.55	8055.56	2444.44	21944.44	5000.00	8888.89	1888.89
303.4	ND	ND	133.33	4000.00	ND	9166.67	616.67	1833.33	100.00
304.4	ND	ND	187.71	1585.14	166.86	1647.71	396.29	250.29	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
306.0	San Francisco Bay/Fort Baker	TCM	01/30/91	2864.2	256.50	ND	ND	ND	171.00	555.75
306.0	San Francisco Bay/Fort Baker	TCM	12/17/91	4370.0	ND	250.00	ND	ND	330.00	770.00
306.0	San Francisco Bay/Fort Baker	TCM	01/20/93	12930.0	540.00	400.00	ND	ND	510.00	3000.00
307.0	San Francisco Bay/Treasure Is	TCM	01/16/91	3942.9	147.86	164.29	ND	ND	197.14	805.00
307.0	San Francisco Bay/Treasure Is	TCM	12/17/91	14780.0	840.00	750.00	ND	ND	840.00	2600.00
307.0	San Francisco Bay/Treasure Is	TCM	02/01/93	53150.0	1700.00	1400.00	ND	170.00	1100.00	14000.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/30/91	47875.0	2666.67	2083.33	ND	ND	5000.00	11250.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/17/91	35970.0	1300.00	2400.00	ND	ND	3100.00	9100.00
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/20/93	32180.0	460.00	1600.00	ND	ND	2300.00	6600.00
307.5	Lake Merritt	RBM	05/22/92	56850.0	940.00	5300.00	220.00	ND	5900.00	13000.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphtnalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
306.0	ND	ND	ND	256.50	ND	149.63	ND	ND	ND
306.0	210.00	ND	240.00	170.00	ND	270.00	ND	ND	ND
306.0	290.00	ND	440.00	180.00	ND	210.00	ND	ND	340.00
307.0	180.71	82.14	ND	213.57	ND	131.43	ND	ND	ND
307.0	390.00	ND	610.00	300.00	ND	730.00	ND	ND	290.00
307.0	710.00	200.00	1800.00	480.00	260.00	810.00	150.00	ND	1100.00
307.4	1208.33	1083.33	750.00	1208.33	ND	791.67	ND	ND	ND
307.4	1900.00	440.00	720.00	360.00	ND	570.00	ND	600.00	360.00
307.4	1500.00	530.00	3100.00	1200.00	590.00	1400.00	ND	ND	ND
307.5	5500.00	1600.00	850.00	280.00	210.00	470.00	ND	ND	460.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
306.0	ND	ND	ND	726.75	ND	748.12	ND	ND	ND
306.0	ND	ND	170.00	1100.00	ND	860.00	ND	ND	ND
306.0	ND	ND	190.00	3300.00	180.00	3000.00	140.00	210.00	ND
307.0	ND	ND	ND	837.86	ND	920.00	131.43	131.43	ND
307.0	ND	ND	390.00	3600.00	ND	2900.00	250.00	290.00	ND
307.0	ND	ND	410.00	14000.00	650.00	13000.00	250.00	750.00	210.00
307.4	ND	1166.67	ND	5833.33	833.33	10000.00	1583.33	2416.67	ND
307.4	ND	ND	820.00	3100.00	760.00	7500.00	680.00	1900.00	360.00
307.4	ND	ND	1500.00	1500.00	ND	8000.00	ND	1900.00	ND
307.5	ND	570.00	880.00	3100.00	550.00	9900.00	1700.00	4800.00	620.00

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
307.5	Lake Merritt	RCM	03/16/93	48590.0	2300.00	2700.00	200.00	ND	1700.00	14000.00
308.0	San Francisco Bay/Hunter's Point	TCM	01/16/91	2170.8	ND	ND	ND	ND	ND	536.15
308.0	San Francisco Bay/Hunter's Point	TCM	12/16/91	3860.0	ND	ND	ND	ND	350.00	660.00
308.0	San Francisco Bay/Hunter's Point	TCM	02/01/93	6540.0	ND	300.00	ND	ND	400.00	590.00
309.0	San Mateo Bridge/88	TCM	01/16/91	6065.4	ND	319.23	ND	ND	638.46	1213.08
309.0	San Mateo Bridge/88	TCM	12/16/91	6550.0	ND	420.00	ND	ND	680.00	780.00
309.0	San Mateo Bridge/88	TCM	02/01/93	5460.0	ND	ND	ND	ND	320.00	490.00
313.0	San Francisco Bay/near Redwood Cr	TCM	01/16/91	4559.4	ND	ND	ND	ND	368.57	723.49
313.0	San Francisco Bay/Near Redwood Cr	TCM	12/16/91	4480.0	ND	350.00	ND	ND	420.00	630.00
313.0	San Francisco Bay/near Redwood Cr	TCM	02/01/93	4700.0	ND	170.00	ND	ND	250.00	530.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
307.5	3000.00	930.00	830.00	410.00	220.00	430.00	ND	ND	440.00
308.0	ND	209.23	ND	601.54	ND	ND	ND	ND	ND
308.0	380.00	ND	ND	ND	ND	ND	ND	ND	ND
308.0	490.00	200.00	ND	860.00	390.00	550.00	ND	ND	ND
309.0	ND	255.38	ND	1181.15	ND	ND	ND	ND	ND
309.0	760.00	ND	ND	ND	ND	ND	ND	ND	ND
309.0	400.00	350.00	ND	710.00	300.00	430.00	ND	ND	ND
313.0	477.78	409.52	ND	887.30	ND	ND	ND	ND	ND
313.0	500.00	ND	ND	ND	ND	ND	ND	ND	ND
313.0	470.00	110.00	ND	250.00	ND	130.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
307.5	ND	420.00	670.00	4600.00	550.00	11000.00	950.00	2800.00	440.00
308.0	ND	ND	ND	ND	ND	823.85	ND	ND	ND
308.0	ND	ND	370.00	380.00	ND	1000.00	400.00	ND	320.00
308.0	ND	ND	860.00	330.00	ND	830.00	350.00	390.00	ND
309.0	ND	510.77	ND	287.31	ND	1660.00	ND	ND	ND
309.0	ND	ND	710.00	470.00	ND	1200.00	530.00	450.00	550.00
309.0	ND	ND	760.00	220.00	ND	720.00	360.00	400.00	ND
313.0	ND	ND	232.06	ND	ND	1133.02	327.62	ND	ND
313.0	ND	ND	570.00	340.00	ND	880.00	440.00	350.00	ND
313.0	ND	110.00	620.00	200.00	ND	790.00	390.00	360.00	320.00

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/16/91	8092.7	ND	307.32	ND	ND	614.63	1044.88
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/16/91	2230.0	ND	ND	ND	ND	ND	390.00
326.0	Palo Alto/Channel Marker 8	TCM	01/16/91	4616.5	ND	ND	ND	ND	317.65	762.35
326.0	Palo Alto/Channel Marker 8	TCM	12/16/91	2760.0	ND	ND	ND	ND	210.00	310.00
326.0	Palo Alto/Channel Marker 8	TCM	02/01/93	343.0	ND	ND	ND	ND	ND	ND
336.0	J. Fitzgerald	RCM	01/30/91	1158.2	ND	ND	ND	ND	ND	ND
399.7	San Lorenzo River/Felton	TFC	02/16/91	6879.2	157.06	ND	ND	ND	680.59	1047.06
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	ND	ND	ND	ND
400.8	Aptos Creek	RFC	11/14/90	638.7	ND	ND	ND	ND	ND	135.48
404.0	Sandholdt Bridge	TCM	02/04/91	43200.0	1000.00	1640.00	ND	ND	2800.00	9600.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
321.0	696.59	471.22	ND	1126.83	ND	ND	ND	ND	ND
321.0	240.00	ND	ND	270.00	ND	230.00	ND	ND	ND
326.0	ND	254.12	ND	423.53	ND	ND	ND	ND	ND
326.0	160.00	ND	ND	330.00	150.00	360.00	ND	ND	ND
326.0	ND	ND	ND	140.00	ND	120.00	ND	ND	ND
336.0	ND	ND	ND	703.18	ND	455.00	ND	ND	ND
399.7	418.82	ND	ND	586.35	146.59	345.53	ND	ND	ND
400.8	ND	NA	ND	ND	ND	ND	ND	ND	ND
400.8	ND	ND	ND	309.68	ND	ND	ND	ND	ND
404.0	280.00	160.00	2440.00	1680.00	440.00	2080.00	ND	ND	640.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
321.0	ND	ND	266.34	409.76	ND	1516.10	880.98	758.05	ND
321.0	ND	ND	240.00	ND	ND	640.00	220.00	ND	ND
326.0	ND	ND	ND	360.00	ND	1164.71	847.06	487.06	ND
326.0	ND	ND	180.00	260.00	ND	480.00	160.00	160.00	ND
326.0	ND	ND	ND	83.00	ND	ND	ND	ND	ND
336.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
399.7	ND	157.06	ND	492.12	471.18	1884.71	240.82	251.29	ND
400.8	ND	ND	ND	ND	ND	ND	NA	ND	ND
400.8	ND	ND	ND	ND	193.55	ND	ND	ND	ND
404.0	ND	280.00	ND	10400.00	440.00	8400.00	400.00	520.00	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
404.0	Sandholdt Bridge	TCM	01/28/92	20070.0	370.00	ND	ND	450.00	420.00	2100.00
404.0	Sandholdt Bridge	TCM	02/01/93	9660.0	270.00	270.00	ND	ND	310.00	1800.00
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/14/91	3156.1	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	01/31/92	ND	ND	ND	ND	ND	ND	ND
414.0	Pacific Grove	RCM	02/12/93	470.0	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	ND
425.6	Lake San Antonio	TFC	05/25/92	6040.0	ND	ND	ND	ND	ND	640.00
426.5	Cayucos Pier	TCM	02/25/91	20057.9	472.35	253.04	ND	50.61	539.83	5398.26
430.0	Montana De Oro	RCM	11/14/90	632.9	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
404.0	ND	ND	1400.00	1000.00	740.00	2900.00	1000.00	990.00	990.00
404.0	ND	ND	510.00	270.00	240.00	610.00	ND	150.00	550.00
414.0	ND	NA	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	1862.61	ND	776.09	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	250.00	ND	220.00	ND	ND	ND
425.6	ND	NA	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	490.00	620.00	1600.00	880.00	ND	ND
426.5	50.61	50.61	607.30	371.13	151.83	404.87	ND	ND	522.96
430.0	ND	ND	ND	632.88	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
404.0	ND	ND	ND	5000.00	710.00	2000.00	ND	ND	ND
404.0	ND	ND	ND	2900.00	180.00	1600.00	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	NA	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	517.39	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
425.6	ND	ND	ND	ND	ND	ND	NA	ND	ND
425.6	ND	ND	ND	610.00	ND	1200.00	ND	ND	ND
426.5	ND	ND	ND	5735.65	556.70	4892.17	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX T (continued)

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Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
430.0	Montana De Oro	RCM	02/25/91	1080.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/03/91	670.0	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	02/25/92	1820.0	ND	ND	ND	ND	ND	510.00
430.2	Montana De Oro 1	TCM	11/14/90	694.2	ND	ND	ND	ND	ND	ND
430.2	Montana De Oro 1	TCM	12/04/91	220.0	ND	ND	ND	ND	ND	ND
430.4	Montana De Oro 2	TCM	11/14/90	676.3	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/91	1409.1	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	02/26/92	460.0	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/91	1024.4	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	02/26/92	350.0	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
430.0	ND	ND	ND	840.00	ND	240.00	ND	ND	ND
430.0	ND	ND	ND	310.00	ND	360.00	ND	ND	ND
430.0	ND	ND	ND	230.00	ND	220.00	ND	ND	ND
430.2	ND	ND	ND	694.23	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	220.00	ND	ND	ND
430.4	ND	ND	ND	676.27	ND	ND	ND	ND	ND
434.0	ND	ND	ND	590.91	ND	363.64	ND	ND	ND
434.0	ND	ND	ND	ND	ND	460.00	ND	ND	ND
435.0	256.10	ND	ND	548.78	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	350.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	390.00	ND	470.00	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	454.55	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	219.51	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
437.0	Point San Luis	RCM	02/25/91	972.0	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	02/26/92	1230.0	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/91	1317.6	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	02/26/92	13980.0	650.00	720.00	630.00	ND	820.00	940.00
443.1	Diablo Cove/S/Transplant/Shallow	TCM	02/26/91	1178.9	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	02/26/91	84924.6	265.57	ND	ND	324.59	ND	619.67
444.0	Intake Cove/Transplant	TCM	02/26/92	6880.0	ND	ND	ND	620.00	ND	ND
445.0	San Luis Harbor/Transplant	TCM	02/25/91	81657.7	1502.31	15184.62	ND	113.08	2261.54	21000.00
445.0	San Luis Harbor/Transplant	TCM	02/25/92	128430.0	2200.00	3400.00	ND	330.00	4600.00	37000.00
480.0	Lake Isabella	RFC	02/09/93	1094.0	ND	ND	91.00	ND	ND	210.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
437.0	ND	ND	ND	576.00	ND	180.00	ND	ND	ND
437.0	ND	ND	ND	400.00	ND	430.00	ND	ND	ND
443.0	ND	ND	ND	741.18	ND	452.94	ND	ND	ND
443.0	830.00	760.00	490.00	440.00	450.00	460.00	320.00	420.00	340.00
443.1	ND	ND	ND	715.79	ND	463.16	ND	ND	ND
444.0	ND	ND	ND	9737.71	17704.92	38360.66	12098.36	2803.28	236.07
444.0	ND	ND	310.00	970.00	1100.00	3200.00	ND	240.00	ND
445.0	759.23	242.31	1163.08	533.08	355.38	1195.39	323.08	436.15	1114.61
445.0	2800.00	690.00	3400.00	330.00	420.00	1000.00	710.00	1300.00	2300.00
480.0	ND	ND	ND	160.00	110.00	260.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
437.0	ND	ND	ND	ND	ND	ND	216.00	ND	ND
437.0	ND	ND	ND	400.00	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	123.53	ND
443.0	300.00	ND	630.00	790.00	900.00	940.00	680.00	750.00	720.00
443.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	1180.33	531.15	1062.30	ND	ND	ND
444.0	ND	ND	ND	220.00	ND	220.00	ND	ND	ND
445.0	ND	ND	ND	12761.54	807.69	21000.00	64.62	840.00	ND
445.0	ND	450.00	ND	28000.00	2200.00	34000.00	670.00	2200.00	430.00
480.0	ND	ND	ND	93.00	ND	170.00	ND	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
506.1	Port Hueneme/Wharf B	TCM	01/25/88	483876.0	ND	ND	ND	ND	ND	171105.00
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	240928.0	ND	ND	ND	ND	ND	114380.00
506.3	Port Hueneme/Entrance	TCM	01/25/88	214034.0	ND	ND	ND	ND	ND	102078.00
601.0	LA Harbor/National Steel	TCM	12/28/87	47948.0	ND	ND	ND	ND	ND	23974.00
603.0	LA Harbor/Berth 151	TCM	12/28/87	129706.0	ND	ND	ND	ND	ND	60221.00
603.0	LA Harbor/Berth 151	TCM	12/19/88	48621.1	ND	ND	ND	ND	ND	25094.74
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	ND	ND	ND	ND	ND	ND	ND
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	17604.9	ND	ND	ND	ND	ND	6123.46
621.0	LA Harbor/Berth 120	TCM	12/23/90	98570.9	ND	3758.33	ND	ND	7858.33	19816.67
715.0	Huntington Harbour/Warner Ave Brdg	TCM	01/06/93	7170.0	ND	230.00	ND	ND	590.00	1800.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
506.1	52841.00	20885.00	ND	ND	ND	ND	ND	ND	ND
506.2	43805.00	ND	ND	ND	ND	ND	ND	ND	ND
506.3	36221.00	ND	ND	ND	ND	ND	ND	ND	ND
601.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
603.0	25478.00	ND	ND	ND	ND	ND	ND	ND	ND
603.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
621.0	7516.67	5125.00	ND	922.50	341.67	ND	ND	ND	615.00
715.0	340.00	ND	ND	330.00	160.00	300.00	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
506.1	ND	ND	ND	85553.00	ND	128329.00	ND	25163.00	ND
506.2	ND	ND	ND	ND	ND	82743.00	ND	ND	ND
506.3	ND	ND	ND	ND	ND	75735.00	ND	ND	ND
601.0	ND	ND	ND	ND	ND	23974.00	ND	ND	ND
603.0	ND	ND	ND	ND	ND	44007.00	ND	ND	ND
603.0	ND	ND	ND	ND	ND	23526.32	ND	ND	ND
605.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
616.0	ND	ND	ND	ND	ND	11481.48	ND	ND	ND
621.0	ND	1264.17	1093.33	2528.33	649.17	33141.67	2870.00	10591.67	478.33
715.0	ND	ND	360.00	360.00	ND	2300.00	ND	400.00	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
719.1	Santa Ana River/Prado Dam	TFC	03/17/93	9187.0	100.00	390.00	ND	ND	570.00	1800.00
724.0	Newport Bay/Highway 1 Bridge	TCM	01/05/93	5400.0	ND	210.00	ND	ND	540.00	930.00
725.0	Newport Bay/Crows Nest	TCM	01/05/93	3150.0	ND	ND	ND	ND	ND	620.00
726.4	Newport Bay/Rhine Channel/End	TCM	01/05/93	6935.0	120.00	270.00	ND	75.00	460.00	860.00
727.0	Garden Grove/Wintersburg Channel	TFC	03/17/93	4606.0	ND	80.00	ND	39.00	250.00	740.00
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	4935.5	ND	4935.48	ND	ND	ND	ND
728.4	Upper Newport Bay/MacArthur	TFC	03/17/93	3788.0	ND	ND	62.00	ND	61.00	690.00
728.7	Upper Newport Bay/Drain 4	TFC	03/17/93	10206.0	ND	140.00	ND	170.00	170.00	1800.00
744.1	San Onofre 1	TCM	01/30/89	ND	ND	ND	ND	ND	ND	ND
744.1	San Onofre 1	TCM	03/12/91	1065.9	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
719.1	380.00	140.00	300.00	130.00	150.00	190.00	100.00	300.00	ND
724.0	ND	ND	ND	740.00	270.00	740.00	ND	ND	ND
725.0	ND	290.00	ND	680.00	ND	410.00	ND	ND	ND
726.4	220.00	190.00	700.00	740.00	250.00	970.00	ND	ND	120.00
727.0	120.00	ND	96.00	160.00	180.00	320.00	110.00	110.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	140.00	170.00	160.00	280.00	ND	110.00	ND
728.7	190.00	ND	390.00	210.00	ND	1200.00	230.00	440.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	ND	769.80	ND	296.08	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
719.1	ND	97.00	170.00	1100.00	520.00	2000.00	280.00	350.00	120.00
724.0	ND	ND	ND	280.00	ND	1400.00	ND	290.00	ND
725.0	ND	ND	ND	320.00	ND	830.00	ND	ND	ND
726.4	ND	ND	ND	1000.00	ND	780.00	ND	180.00	ND
727.0	ND	37.00	44.00	350.00	230.00	1600.00	ND	140.00	ND
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	ND	64.00	610.00	260.00	1100.00	ND	81.00	ND
728.7	ND	ND	86.00	1400.00	850.00	2700.00	ND	230.00	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.1	San Onofre 1	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/12/91	941.8	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	03/25/92	170.0	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/12/91	1370.2	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/12/91	905.9	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/12/91	567.8	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	03/12/91	635.4	ND	ND	ND	ND	ND	ND

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	636.36	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	170.00	ND	ND	ND
744.3	ND	ND	ND	1370.17	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	710.00	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	567.79	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	635.35	ND	ND	ND	ND	ND

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	305.45	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	195.86	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
744.6	San Onofre 6	TCM	03/25/92	ND	ND	ND	ND	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	01/05/93	80320.0	1900.00	4700.00	ND	ND	5900.00	31000.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	361190.0	13000.00	24000.00	840.00	960.00	25000.00	96000.00
882.8	San Diego Bay/KELCO Pier	TCM	12/21/91	271870.0	6900.00	21000.00	1000.00	420.00	21000.00	72000.00
883.4	San Diego Bay/Continental Maritime	TCM	01/05/93	83590.0	2000.00	4400.00	ND	ND	4900.00	33000.00
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	223790.0	ND	ND	ND	ND	19451.00	88042.00
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	297835.3	27064.75	5412.95	ND	ND	ND	78733.80
887.0	San Diego Bay/Evans Street	TCM	12/22/90	549494.9	20250.00	26549.99	855.00	270.00	36899.99	180000.00
887.0	San Diego Bay/Evans Street	TCM	12/21/91	269640.0	6900.00	14000.00	450.00	340.00	16000.00	88000.00
887.0	San Diego Bay/Evans Street	TCM	01/05/93	212545.0	5200.00	11000.00	ND	190.00	12000.00	77411.00

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	4900.00	1200.00	630.00	520.00	320.00	610.00	ND	ND	800.00
882.8	22000.00	4600.00	7100.00	590.00	1200.00	4400.00	1800.00	1700.00	7400.00
882.8	18000.00	2700.00	4300.00	380.00	470.00	1800.00	1200.00	2000.00	5000.00
883.4	3900.00	1000.00	950.00	270.00	ND	460.00	ND	ND	1000.00
883.6	15766.00	ND	ND	ND	ND	ND	ND	ND	ND
883.6	8611.51	5658.99	ND	ND	ND	ND	ND	ND	ND
887.0	14400.00	18000.00	7650.00	1350.00	1215.00	3645.00	4950.00	5850.00	7200.00
887.0	14000.00	2400.00	5000.00	350.00	450.00	1100.00	740.00	910.00	4100.00
887.0	11000.00	3036.00	4000.00	570.00	380.00	1000.00	ND	ND	2000.00

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	ND	590.00	1400.00	3900.00	460.00	15000.00	1300.00	4300.00	890.00
882.8	ND	3200.00	4400.00	39000.00	4300.00	72000.00	5700.00	18000.00	4000.00
882.8	ND	2800.00	3800.00	20000.00	3700.00	55000.00	5500.00	20000.00	2900.00
883.4	ND	550.00	830.00	6500.00	540.00	18000.00	1000.00	3800.00	490.00
883.6	ND	ND	ND	ND	ND	67567.00	16175.00	16789.00	ND
883.6	ND	ND	ND	43057.55	12056.11	105798.60	11441.01	ND	ND
887.0	ND	6750.00	5850.00	49499.99	9450.00	112500.00	9450.00	24299.99	2610.00
887.0	ND	1700.00	3300.00	25000.00	5500.00	60000.00	3300.00	14000.00	2100.00
887.0	300.00	1500.00	2700.00	16000.00	1600.00	47058.00	3000.00	11000.00	1600.00

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APPENDIX T (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PAHs in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	SAMPLE TYPE*	SAMPLE DATE	Total PAH	Anthracene	Anthracene, benz(a)	Anthracene, dibenz(a,h)	Biphenyl	Chrysene	Fluoranthene
888.0	San Diego Bay/Coronado Bridge	TCM	12/21/91	380500.0	8200.00	28000.00	880.00	380.00	33000.00	100000.00
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	ND	ND	ND	ND	ND	ND	ND
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	ND	ND	ND	ND	ND	ND	ND
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	63244.0	ND	ND	ND	ND	ND	40803.00
899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	12/21/91	16930.0	540.00	860.00	ND	ND	1100.00	5200.00
899.2	San Diego Bay/Shelter Island	TCM	01/05/93	13240.0	140.00	190.00	ND	ND	400.00	4400.00
901.0	San Diego Bay/Degausing Station	TCM	12/21/91	122300.0	4400.00	2900.00	ND	210.00	2900.00	43000.00
904.0	Imperial Beach/Pier	RCM	12/22/90	208215.6	4973.91	3252.17	ND	497.39	8034.78	53565.21

Station Number	Fluoranthene, benzo(b)	Fluoranthene, benzo(k)	Fluorene	Naphthalene	Naphthalene, 1-methyl	Naphthalene, 2-methyl	Naphthalene, 2,6-dimethyl	Naphthalene, 2,3,5-trimethyl	Naphthene, ace
888.0	30000.00	6600.00	5800.00	400.00	600.00	1400.00	1100.00	640.00	5500.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	11313.00	ND	ND	ND	ND	ND	ND	ND	ND
899.0	510.00	400.00	ND	240.00	ND	750.00	150.00	210.00	420.00
899.2	350.00	300.00	1200.00	390.00	190.00	410.00	1700.00	240.00	ND
901.0	1700.00	360.00	3500.00	320.00	420.00	1900.00	880.00	1400.00	1800.00
904.0	1224.35	1453.91	8034.78	2486.96	535.65	6121.74	956.52	841.74	3175.65

Station Number	Naphthylene, ace	Perylene	Perylene, benzo(ghi)	Phenanthrene	Phenanthrene, 1-methyl	Pyrene	Pyrene, benzo(a)	Pyrene, benzo(e)	Pyrene, indeno(1,2,3-cd)
888.0	ND	3200.00	5500.00	32000.00	5300.00	70000.00	8300.00	30000.00	3700.00
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
894.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
897.5	ND	ND	ND	ND	ND	ND	ND	11128.00	ND
899.0	ND	390.00	ND	2100.00	ND	3400.00	180.00	480.00	ND
899.2	ND	ND	ND	500.00	570.00	1900.00	ND	360.00	ND
901.0	ND	230.00	250.00	26000.00	2000.00	26000.00	410.00	1500.00	220.00
904.0	ND	ND	ND	57391.30	3366.96	49739.13	918.26	1645.22	ND

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RFC = Resident Fresh Water Clam

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ND = Not Detected

APPENDIX U

Summary of 1987-93 Data

PCB Congeners 5 - 101 in Mussels, Clams, and Sediment

(ppb, wet weight)

APPENDIX U

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
2.0	Crescent City/STP Outfall	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
2.0	ND	0.30	ND	ND	ND	NA	ND	1.1	ND	ND	ND	ND	ND	ND	3.4	0.50
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	ND	ND	ND	ND	ND	NA	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
10.0	ND	ND	ND	ND	ND	NA	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
100.0	Mad River Slough	TCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.85	NA	NA
104.0	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND	ND	8.5	ND
104.5	NA	NA	ND	NA	NA	NA	NA	NA	1.28	NA	NA	NA	NA	1.02	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	8.4	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
104.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	NA	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
104.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	NA	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	0.50	ND	0.2	ND	NA	ND	ND	0.3	ND	0.3	ND	ND	0.2	0.6	0.50
190.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
190.0	ND	ND	ND	ND	ND	NA	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
202.0	Bodega Head	RCM	08/24/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	NA	0.40	NA	NA	NA	NA	0.81	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	NA	0.13	NA	NA	NA	NA	ND	NA	NA
295.1	ND	ND	ND	ND	ND	ND	ND	0.2	0.60	0.7	ND	0.4	ND	ND	ND	0.2
295.2	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
202.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	NA	ND	9.2	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.18
295.1	NA	0.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14
295.1	ND	1.00	ND	0.4	ND	NA	ND	ND	0.9	0.3	0.4	ND	ND	0.4	1.4	1.00
295.2	ND	0.50	ND	ND	ND	NA	ND	ND	0.3	0.2	0.3	ND	ND	0.3	0.7	0.80
295.3	ND	0.50	ND	ND	ND	NA	ND	ND	ND	ND	0.3	ND	ND	0.3	0.3	0.60
295.4	ND	0.70	ND	ND	ND	NA	ND	ND	ND	0.2	0.6	ND	ND	0.3	0.9	0.90
295.5	ND	0.40	ND	ND	ND	NA	ND	ND	ND	ND	0.3	ND	ND	0.2	0.4	0.40

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	NA	NA	NA	ND	NA	NA	0.37	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	NA	NA	NA	0.83	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
297.0	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	0.50	ND	ND
298.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
298.0	NA	NA	ND	NA	NA	NA	NA	NA	0.70	NA	NA	NA	NA	0.30	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND
302.4	NA	NA	1.25	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.68	NA	NA
303.2	NA	NA	1.80	NA	NA	NA	NA	NA	1.80	NA	NA	NA	NA	3.60	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
297.0	ND	1.40	ND	ND	ND	NA	ND	ND	ND	ND	4.7	ND	ND	0.5	0.6	2.10
298.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.58
298.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.34
302.0	ND	0.50	ND	ND	ND	NA	ND	1.0	0.6	0.2	0.2	ND	ND	0.2	0.5	0.90
302.4	NA	1.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.2	NA	4.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
303.3	Lauritzen Canal/End	TCM	01/14/88	NA	NA	NA	ND	NA	NA	1.06	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
303.3	NA	NA	4.34	NA	NA	NA	NA	NA	3.64	NA	NA	NA	NA	5.18	NA	NA
303.6	NA	NA	1.54	NA	NA	NA	NA	NA	1.76	NA	NA	NA	NA	3.20	NA	NA
303.6	NA	NA	ND	NA	NA	NA	NA	NA	0.43	NA	NA	NA	NA	1.22	NA	NA
306.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.34	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.32	NA	NA
307.0	ND	ND	ND	ND	ND	ND	0.3	ND	0.30	ND	ND	0.7	0.8	ND	ND	ND
307.2	NA	NA	0.83	NA	NA	NA	NA	NA	0.80	NA	NA	NA	NA	1.92	NA	NA
307.2	NA	NA	ND	NA	NA	NA	NA	NA	0.33	NA	NA	NA	NA	0.98	NA	NA
307.4	NA	NA	0.74	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.80	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
303.3	NA	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	3.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.29
306.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.61
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.74
307.0	ND	2.80	ND	8.1	4.3	NA	ND	1.0	6.8	7.4	2.4	0.2	ND	3.2	4.2	4.50
307.2	NA	1.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.2	NA	0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.93
307.4	NA	1.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
307.4	NA	NA	0.37	NA	NA	NA	NA	NA	0.46	NA	NA	NA	NA	1.89	NA	NA
307.6	NA	NA	0.55	NA	NA	NA	NA	NA	0.59	NA	NA	NA	NA	1.56	NA	NA
307.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.46	NA	NA
307.9	NA	NA	0.52	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.92	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.69	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	0.37	NA	NA	NA	NA	0.96	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	ND	ND	0.20	ND	ND	ND	ND	0.2	0.30	ND	ND	ND	0.4	0.80	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
307.4	NA	0.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.54
307.6	NA	1.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	NA	0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.38
307.9	NA	0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	1.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.58
321.0	NA	0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.68
321.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50
323.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41
323.3	ND	1.90	ND	0.6	0.3	NA	ND	1.0	1.8	0.6	0.6	0.2	ND	0.5	1.9	2.80

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
399.2	Pescadero Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND
401.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
400.8	ND	0.70	ND	0.2	ND	NA	ND	0.2	1.0	0.4	0.8	ND	ND	0.4	1.0	1.20
401.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.33
401.5	NA	0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.6	NA	0.47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.8	NA	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
402.2	Parson's Slough	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.2	NA	NA	0.31	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.33	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.30	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
402.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.2	NA	0.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.44
403.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	0.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.08

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
404.0	Sandholdt Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	01/22/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	ND	ND	0.20	ND	ND	ND	ND	0.2	0.30	ND	ND	0.2	0.3	0.60	ND	ND
408.9	NA	NA	ND	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	0.72	NA	NA
409.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	1.31	NA	NA	NA	NA	NA	0.76	NA	NA	NA	NA	1.80	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.73
404.0	ND	1.10	ND	0.4	ND	NA	ND	ND	ND	0.5	1.3	ND	ND	0.4	0.9	1.70
408.9	NA	1.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
409.0	NA	1.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
414.0	ND	ND	ND	ND	ND	NA	ND	4.9	ND	ND	1.8	ND	ND	ND	ND	ND
421.7	NA	1.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
425.6	Lake San Antonio	RFC	09/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
425.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	ND	ND	ND	ND	ND	NA	ND	0.6	ND	ND	0.2	ND	ND	ND	ND	0.20
426.5	ND	ND	ND	ND	ND	NA	ND	1.8	ND	ND	0.5	ND	ND	ND	ND	0.20
426.5	ND	ND	ND	ND	ND	NA	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (*continued*)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	1.1	ND	ND	0.4	ND	ND	ND	0.2	ND
430.0	ND	ND	ND	ND	ND	NA	ND	1.5	ND	ND	0.2	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	NA	ND	4.4	ND	ND	0.3	ND	ND	ND	ND	ND
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	NA	ND	3.5	ND	ND	0.3	ND	ND	ND	ND	ND
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
436.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	0.20	ND	ND	ND	NA	ND	4.4	ND	ND	0.5	ND	ND	ND	0.7	0.60
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	NA	ND	3.0	ND	ND	ND	ND	ND	ND	0.2	0.20
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	NA	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	NA	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	ND	ND	NA	0.2	ND	0.30	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	1.35	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.27	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	0.41	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	ND	ND	ND	ND	ND	ND	ND	0.2	0.20	ND	ND	0.2	0.3	0.40	ND	ND
445.0	ND	ND	1.30	ND	ND	0.4	ND	0.9	0.90	0.2	ND	1.3	1.7	2.30	1.3	0.3
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
460.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	0.70	ND	ND	ND	1.2	1.60	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	1.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
445.0	NA	0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.46
445.0	0.2	0.40	ND	0.2	ND	NA	ND	0.2	0.4	ND	0.3	ND	ND	ND	0.3	0.50
445.0	ND	3.40	ND	2.0	1.0	NA	0.2	2.2	1.8	1.0	2.2	0.2	ND	0.8	2.0	3.40
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
460.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.23
460.0	ND	5.10	ND	9.4	ND	NA	ND	0.8	7.6	9.2	4.1	0.4	ND	3.9	4.3	6.00

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
475.0	Carpinteria Marsh	TCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
485.0	Ventura Marina	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	NA	NA	NA	1.26	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	ND	ND	0.50	NA	ND	ND	0.20	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND
475.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
485.0	NA	NA	1.17	NA	NA	NA	NA	NA	1.69	NA	NA	NA	NA	1.82	NA	NA
506.1	NA	NA	0.65	NA	NA	NA	NA	NA	1.56	NA	NA	NA	NA	4.68	NA	NA
506.1	NA	NA	ND	NA	NA	NA	NA	NA	0.76	NA	NA	NA	NA	4.90	NA	NA
506.2	NA	NA	0.73	NA	NA	NA	NA	NA	0.71	NA	NA	NA	NA	2.76	NA	NA
506.2	NA	NA	ND	NA	NA	NA	NA	NA	1.38	NA	NA	NA	NA	4.09	NA	NA
506.3	NA	NA	ND	NA	NA	NA	NA	NA	1.50	NA	NA	NA	NA	6.75	NA	NA
507.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
507.3	ND	ND	0.20	ND	0.2	0.2	0.6	ND	0.40	ND	ND	0.4	0.6	0.70	ND	0.2

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
460.1	ND	0.60	ND	8.9	ND	NA	ND	ND	ND	8.0	1.4	ND	ND	ND	1.7	0.60
475.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
485.0	NA	3.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	4.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	1.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.59
506.2	NA	1.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	NA	2.60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.14
506.3	NA	4.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
507.3	NA	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.62
507.3	ND	0.80	ND	0.2	ND	NA	ND	ND	ND	0.2	1.5	ND	ND	ND	0.2	0.80

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ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
507.8	Revolon Slough	TFC	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.8	Revolon Slough	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
509.0	Calleguas	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
507.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
507.8	ND	ND	ND	ND	ND	ND	7.6	ND	ND	1.0	ND	ND	ND	ND	ND	ND
508.1	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	0.2	ND	0.20	ND	ND
508.2	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	0.4	ND	ND	2.4	ND
508.3	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	0.2	ND	ND	ND	ND
508.4	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.5	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	0.3	ND	ND	ND	ND
508.6	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	1.3	0.6	0.30	ND	ND
508.7	ND	ND	ND	ND	ND	ND	15.0	ND	ND	ND	ND	0.2	ND	ND	ND	ND
509.0	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
507.8	NA	2.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
507.8	ND	0.40	ND	ND	ND	NA	ND	1.3	ND	0.2	2.2	ND	ND	ND	0.5	0.90
508.1	ND	0.20	ND	ND	ND	NA	ND	ND	ND	ND	0.8	ND	ND	ND	ND	0.40
508.2	ND	0.20	1.2	0.2	ND	NA	ND	ND	ND	ND	3.0	ND	ND	ND	ND	0.50
508.3	ND	ND	0.7	ND	ND	NA	ND	0.6	ND	ND	1.2	ND	ND	ND	0.6	0.50
508.4	ND	ND	0.4	ND	ND	NA	ND	ND	ND	ND	1.1	ND	ND	ND	0.2	0.30
508.5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND
508.6	ND	0.40	ND	0.2	ND	NA	ND	1.2	ND	0.3	4.0	ND	ND	ND	0.6	1.00
508.7	ND	ND	ND	ND	ND	NA	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND
509.0	ND	0.30	ND	ND	ND	NA	ND	ND	ND	ND	0.3	ND	ND	ND	0.2	0.30

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
553.0	Marina Del Rey/Entrance	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
553.0	NA	NA	ND	NA	NA	NA	NA	NA	0.37	NA	NA	NA	NA	0.51	NA	NA
554.0	NA	NA	ND	NA	NA	NA	NA	NA	1.48	NA	NA	NA	NA	3.42	NA	NA
554.0	NA	NA	0.66	NA	NA	NA	NA	NA	2.18	NA	NA	NA	NA	4.19	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	NA	0.48	NA	NA	NA	NA	1.20	NA	NA
555.0	NA	NA	0.67	NA	NA	NA	NA	NA	1.68	NA	NA	NA	NA	5.03	NA	NA
555.2	NA	NA	0.75	NA	NA	NA	NA	NA	1.10	NA	NA	NA	NA	2.97	NA	NA
556.0	NA	NA	0.64	NA	NA	NA	NA	NA	0.71	NA	NA	NA	NA	3.50	NA	NA
556.0	NA	NA	1.00	NA	NA	NA	NA	NA	2.38	NA	NA	NA	NA	7.13	NA	NA
557.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
559.0	NA	NA	1.20	NA	NA	NA	NA	NA	1.20	NA	NA	NA	NA	2.64	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
553.0	NA	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.48
554.0	NA	5.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
554.0	NA	5.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.38
555.0	NA	2.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
555.0	NA	5.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.64
555.2	NA	3.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	4.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	8.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.50
557.0	NA	0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
559.0	NA	4.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
601.0	LA Harbor/National Steel	TCM	12/28/87	NA	NA	NA	2.28	NA	NA	6.00	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	ND	NA	NA	4.03	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	2.7	ND	ND	NA	4.6	1.6	8.40	ND	1.2	1.7
602.0	LA Harbor/West Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	ND	ND	ND	NA	0.6	0.3	1.20	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
601.0	NA	NA	25.20	NA	NA	NA	NA	NA	9.12	NA	NA	NA	NA	15.60	NA	NA
601.0	NA	NA	17.28	NA	NA	NA	NA	NA	11.38	NA	NA	NA	NA	18.72	NA	NA
601.0	2.5	0.2	15.00	0.4	7.8	9.9	ND	12.0	14.00	2.6	0.5	9.2	18.0	24.00	8.5	4.5
602.0	NA	NA	0.71	NA	NA	NA	NA	NA	1.05	NA	NA	NA	NA	2.34	NA	NA
602.5	NA	NA	1.87	NA	NA	NA	NA	NA	2.38	NA	NA	NA	NA	6.97	NA	NA
602.5	NA	NA	0.58	NA	NA	NA	NA	NA	0.68	NA	NA	NA	NA	3.69	NA	NA
602.5	ND	ND	1.60	ND	ND	0.9	ND	2.5	3.10	0.4	ND	2.2	4.7	7.80	4.0	0.9
602.7	NA	NA	2.66	NA	NA	NA	NA	NA	3.04	NA	NA	NA	NA	9.12	NA	NA
603.0	NA	NA	0.90	NA	NA	NA	NA	NA	1.26	NA	NA	NA	NA	2.86	NA	NA
603.0	NA	NA	1.09	NA	NA	NA	NA	NA	2.23	NA	NA	NA	NA	5.66	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
601.0	NA	14.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	17.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.80
601.0	0.6	36.00	1.3	18.0	8.7	NA	0.2	2.1	17.0	11.0	12.0	2.5	0.2	7.8	13.0	36.00
602.0	NA	1.82	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	4.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	1.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.47
602.5	ND	15.00	0.2	4.1	2.1	NA	0.2	2.5	11.0	6.7	12.0	1.2	ND	4.9	8.9	22.00
602.7	NA	7.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	3.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	3.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.39

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	0.58	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	NA	NA	NA	ND	NA	NA	0.40	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	NA	NA	NA	ND	NA	NA	0.33	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	ND	NA	0.4	0.2	0.70	ND	ND	ND
662.0	Royal Palms	RCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
603.6	NA	NA	1.58	NA	NA	NA	NA	NA	1.09	NA	NA	NA	NA	2.72	NA	NA
603.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.99	NA	NA
605.0	NA	NA	ND	NA	NA	NA	NA	NA	0.65	NA	NA	NA	NA	1.46	NA	NA
606.2	NA	NA	2.16	NA	NA	NA	NA	NA	2.16	NA	NA	NA	NA	3.96	NA	NA
606.3	NA	NA	1.03	NA	NA	NA	NA	NA	1.24	NA	NA	NA	NA	2.60	NA	NA
609.0	NA	NA	1.53	NA	NA	NA	NA	NA	1.01	NA	NA	NA	NA	1.80	NA	NA
616.0	NA	NA	1.30	NA	NA	NA	NA	NA	0.70	NA	NA	NA	NA	2.00	NA	NA
616.0	NA	NA	2.48	NA	NA	NA	NA	NA	2.36	NA	NA	NA	NA	5.46	NA	NA
616.0	ND	ND	1.70	ND	ND	0.6	0.8	1.4	1.80	0.8	ND	1.1	2.5	3.70	1.8	0.5
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
603.6	NA	2.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	NA	0.91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	NA	1.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.77
606.2	NA	4.92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	2.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	NA	2.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	5.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.64
616.0	ND	6.40	ND	2.3	1.3	NA	ND	0.6	3.3	2.0	2.8	0.5	ND	1.4	2.5	7.60
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX U (continued)

State Mussel Watch Program

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Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
662.0	Royal Palms	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	ND	NA	0.2	ND	0.40	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	ND	NA	0.5	ND	0.20	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	ND	NA	0.6	ND	0.50	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
662.0	ND	ND	ND	ND	ND	ND	ND	0.2	0.40	ND	ND	ND	0.3	0.30	4.1	ND
707.0	NA	NA	0.92	NA	NA	NA	NA	NA	0.54	NA	NA	NA	NA	1.33	NA	NA
707.0	NA	NA	0.75	NA	NA	NA	NA	NA	0.76	NA	NA	NA	NA	1.00	NA	NA
707.0	ND	ND	0.90	ND	ND	0.4	ND	0.9	1.20	0.2	ND	1.0	1.9	2.40	4.8	0.3
708.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.96	NA	NA
708.0	ND	ND	6.20	ND	ND	4.4	ND	6.2	2.20	ND	ND	2.4	4.0	2.20	11.5	1.8
710.2	NA	NA	1.01	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.60	NA	NA
710.2	NA	NA	0.77	NA	NA	NA	NA	NA	0.67	NA	NA	NA	NA	1.92	NA	NA
710.2	ND	ND	ND	ND	1.5	0.4	0.6	1.4	1.90	1.4	ND	1.5	2.9	3.70	7.0	0.5

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.49
662.0	ND	1.10	ND	0.6	0.4	NA	ND	4.7	ND	0.2	6.5	ND	ND	0.2	0.9	1.80
707.0	NA	1.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
707.0	NA	1.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.37
707.0	ND	4.10	ND	1.7	1.0	NA	ND	3.1	ND	1.1	5.5	0.3	ND	1.0	2.3	4.70
708.0	NA	1.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
708.0	ND	6.70	ND	9.3	4.9	NA	2.8	3.0	ND	8.0	8.0	0.7	ND	3.8	5.2	7.60
710.2	NA	2.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
710.2	NA	0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.12
710.2	ND	6.40	ND	2.6	1.4	NA	ND	3.4	ND	1.9	6.9	0.6	ND	1.7	3.6	7.60

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	ND	NA	ND	ND	0.20	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	NA	ND	ND	0.80	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
713.0	NA	NA	0.91	NA	NA	NA	NA	NA	0.80	NA	NA	NA	NA	1.32	NA	NA
713.0	ND	ND	0.60	ND	ND	ND	ND	0.7	1.10	ND	ND	0.9	1.6	1.80	ND	0.3
715.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.55	NA	NA
715.0	NA	NA	0.65	NA	NA	NA	NA	NA	0.48	NA	NA	NA	NA	1.40	NA	NA
715.0	ND	ND	ND	ND	ND	0.3	1.4	0.9	1.10	ND	ND	0.9	1.9	2.40	1.6	0.3
717.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.52	NA	NA
717.0	NA	NA	0.67	NA	NA	NA	NA	NA	0.53	NA	NA	NA	NA	1.42	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.34	NA	NA
721.0	ND	ND	0.30	ND	ND	0.2	ND	0.4	0.60	ND	ND	0.4	0.9	1.20	2.9	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
713.0	NA	2.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	2.60	ND	1.2	0.3	NA	ND	0.7	2.5	0.8	1.7	0.4	ND	0.8	1.6	2.70
715.0	NA	1.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
715.0	NA	2.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.51
715.0	ND	5.20	ND	1.8	1.0	NA	ND	0.9	3.3	1.5	2.6	0.3	ND	1.1	3.0	7.90
717.0	NA	1.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
717.0	NA	2.32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.87
721.0	NA	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
721.0	NA	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.17
721.0	ND	2.30	ND	0.8	0.5	NA	ND	5.6	ND	0.7	2.2	0.2	ND	0.7	1.5	2.90

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
723.0	Newport Bay/Bay Island	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	ND	NA	0.2	ND	0.30	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	ND	NA	ND	ND	0.30	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	ND	NA	NA	0.68	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	ND	NA	NA	0.58	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
723.0	NA	NA	0.66	NA	NA	NA	NA	NA	0.64	NA	NA	NA	NA	1.15	NA	NA
723.0	ND	ND	1.00	ND	ND	0.5	ND	1.3	1.40	0.3	ND	1.5	2.8	3.70	5.4	0.4
723.4	NA	NA	0.86	NA	NA	NA	NA	NA	0.96	NA	NA	NA	NA	1.80	NA	NA
723.4	NA	NA	ND	NA	NA	NA	NA	NA	0.26	NA	NA	NA	NA	0.89	NA	NA
723.4	ND	ND	1.00	ND	ND	ND	ND	1.2	1.40	0.8	0.2	1.4	2.6	3.50	1.8	0.4
724.0	NA	NA	0.64	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	1.32	NA	NA
724.0	NA	NA	0.44	NA	NA	NA	NA	NA	0.45	NA	NA	NA	NA	1.58	NA	NA
724.0	ND	ND	0.60	ND	ND	0.3	ND	0.8	1.00	ND	ND	1.0	1.8	2.50	3.0	0.3
725.0	NA	NA	4.80	NA	NA	NA	NA	NA	4.20	NA	NA	NA	NA	9.60	NA	NA
725.0	NA	NA	4.09	NA	NA	NA	NA	NA	5.55	NA	NA	NA	NA	13.58	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
723.0	NA	1.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.0	ND	6.10	ND	2.3	1.5	NA	ND	2.0	ND	1.5	3.7	0.4	ND	1.4	3.3	6.70
723.4	NA	3.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.4	NA	0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.07
723.4	ND	5.60	ND	2.1	1.3	NA	0.2	1.0	3.2	1.4	1.9	0.4	ND	1.3	3.2	6.20
724.0	NA	2.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
724.0	NA	1.12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.09
724.0	ND	4.60	ND	1.6	1.0	NA	ND	1.9	3.1	1.4	3.3	0.3	ND	1.3	2.9	5.90
725.0	NA	19.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	16.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.90

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	ND	NA	2.4	1.1	3.90	ND	ND	0.6
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	ND	NA	NA	0.52	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	ND	NA	NA	0.54	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	ND	NA	4.1	1.4	5.80	ND	ND	0.6
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
725.0	0.6	2.0	12.00	ND	ND	6.9	ND	13.0	12.00	1.7	0.4	15.0	28.0	30.00	10.0	4.9
726.0	NA	NA	3.00	NA	NA	NA	NA	NA	3.36	NA	NA	NA	NA	6.48	NA	NA
726.0	NA	NA	5.70	NA	NA	NA	NA	NA	8.66	NA	NA	NA	NA	19.38	NA	NA
726.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.28	NA	NA
726.4	NA	NA	1.16	NA	NA	NA	NA	NA	1.03	NA	NA	NA	NA	1.82	NA	NA
726.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.27	NA	NA
726.4	0.6	0.2	21.00	ND	ND	11.0	ND	16.0	21.00	1.0	0.4	23.0	41.0	45.00	6.3	8.4
728.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.41	NA	NA
728.4	ND	ND	0.20	ND	ND	ND	ND	0.2	0.80	ND	ND	0.2	0.5	0.60	ND	ND
728.5	ND	ND	0.20	ND	ND	ND	ND	0.3	0.90	ND	ND	0.3	0.4	0.60	0.4	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
725.0	1.3	48.00	1.6	25.0	16.0	NA	0.3	3.2	20.0	10.0	7.3	4.0	0.2	12.0	25.0	42.00
726.0	NA	12.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	28.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.22
726.2	NA	0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.71
726.4	NA	2.21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50
726.4	2.4	72.00	4.0	40.0	24.0	NA	0.2	5.0	27.0	16.0	6.4	6.5	0.5	17.0	33.0	54.00
728.4	NA	0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.94
728.4	ND	1.30	0.4	0.5	ND	NA	ND	ND	ND	0.5	1.2	ND	0.2	0.5	1.1	1.50
728.5	ND	1.20	ND	0.5	ND	NA	ND	ND	0.8	0.4	1.1	0.3	0.3	0.3	0.9	1.40

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APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
728.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	0.38	NA	NA
728.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
728.6	NA	1.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
728.8	NA	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
728.9	ND	0.30	ND	ND	ND	NA	ND	ND	ND	ND	0.3	ND	ND	ND	0.5	0.40
744.2	ND	0.40	ND	ND	ND	NA	ND	ND	ND	ND	0.9	ND	ND	ND	0.4	0.60
744.3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.5	ND	ND	ND	ND	0.40
744.3	ND	ND	ND	ND	ND	NA	ND	0.4	ND	ND	0.5	ND	ND	ND	ND	0.20
744.4	ND	0.40	ND	ND	ND	NA	ND	ND	ND	ND	1.3	ND	ND	ND	0.4	0.60
744.4	ND	ND	ND	ND	ND	NA	ND	0.3	ND	ND	0.7	ND	ND	ND	0.2	0.20
744.5	ND	0.60	ND	ND	ND	NA	ND	ND	ND	1.7	1.0	ND	ND	ND	0.4	0.70
744.5	ND	0.20	ND	0.2	ND	NA	ND	0.3	ND	ND	0.7	ND	ND	ND	ND	0.20

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Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
750.0	Oceanside	RCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	SED	09/01/89	0.7	ND	ND	NA	2.7	0.5	3.90	ND	ND	0.5
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	NA	0.3	ND	0.50	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	1.0	ND	6.00	ND	3.2	3.7	0.2	1.6	2.00	ND	ND	2.1	3.4	3.50	0.5	0.8
868.5	ND	ND	2.40	ND	ND	ND	ND	0.5	0.60	ND	ND	0.5	0.9	1.10	ND	0.2
882.7	NA	NA	1.32	NA	NA	NA	NA	NA	1.92	NA	NA	NA	NA	3.84	NA	NA
882.7	NA	NA	1.25	NA	NA	NA	NA	NA	3.48	NA	NA	NA	NA	7.64	NA	NA
882.8	NA	NA	ND	NA	NA	NA	NA	NA	0.69	NA	NA	NA	NA	2.26	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
744.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	1.2	ND	ND	ND	0.4	0.60
744.6	ND	0.20	ND	0.2	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20
750.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	0.20	ND	ND	ND	NA	ND	1.6	ND	ND	ND	ND	ND	ND	0.3	0.30
865.0	ND	0.40	ND	ND	ND	NA	ND	0.5	ND	ND	ND	ND	ND	ND	0.4	0.40
868.5	0.2	3.20	0.3	3.2	1.7	NA	ND	ND	0.4	0.4	ND	ND	ND	0.4	0.5	1.00
868.5	ND	2.20	ND	1.0	0.7	NA	ND	0.7	1.1	0.5	0.2	ND	ND	0.5	1.4	2.30
882.7	NA	4.08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.7	NA	7.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.76
882.8	NA	2.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.30

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TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	ND	NA	NA	0.70	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	3.64	NA	NA	18.20	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	2.66	NA	NA	44.40	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	1.8	1.3	ND	NA	19.0	9.0	27.00	ND	ND	15.0

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
882.9	NA	NA	0.47	NA	NA	NA	NA	NA	0.73	NA	NA	NA	NA	2.65	NA	NA
883.1	NA	NA	ND	NA	NA	NA	NA	NA	0.51	NA	NA	NA	NA	0.86	NA	NA
883.6	NA	NA	2.72	NA	NA	NA	NA	NA	2.40	NA	NA	NA	NA	3.84	NA	NA
883.6	NA	NA	0.86	NA	NA	NA	NA	NA	2.74	NA	NA	NA	NA	7.35	NA	NA
885.2	NA	NA	ND	NA	NA	NA	NA	NA	0.40	NA	NA	NA	NA	0.62	NA	NA
885.4	NA	NA	ND	NA	NA	NA	NA	NA	0.46	NA	NA	NA	NA	0.88	NA	NA
886.2	NA	NA	0.76	NA	NA	NA	NA	NA	1.33	NA	NA	NA	NA	2.53	NA	NA
894.0	NA	NA	48.10	NA	NA	NA	NA	NA	46.80	NA	NA	NA	NA	61.10	NA	NA
894.0	NA	NA	88.80	NA	NA	NA	NA	NA	85.84	NA	NA	NA	NA	140.60	NA	NA
894.0	17.0	2.4	57.00	0.7	34.0	37.0	ND	44.0	50.00	4.9	2.7	48.0	94.0	109.00	24.0	16.0

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
882.9	NA	2.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.97
883.1	NA	1.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.49
883.6	NA	4.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	6.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.23
885.2	NA	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.02
885.4	NA	1.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.52
886.2	NA	4.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.31
894.0	NA	92.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	130.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.64
894.0	3.7	124.00	8.8	77.0	37.0	NA	0.6	5.1	46.0	30.0	13.0	10.0	1.1	26.0	46.0	80.00

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ND = Not Detected

APPENDIX U (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	ND	NA	NA	0.66	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	ND	NA	NA	6.61	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	0.45	NA	NA	22.35	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	ND	NA	NA	0.49	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	ND	NA	NA	0.94	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	0.59	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
894.1	NA	NA	6.19	NA	NA	NA	NA	NA	7.40	NA	NA	NA	NA	16.61	NA	NA
894.2	NA	NA	29.58	NA	NA	NA	NA	NA	24.36	NA	NA	NA	NA	52.20	NA	NA
894.3	NA	NA	74.50	NA	NA	NA	NA	NA	53.64	NA	NA	NA	NA	102.81	NA	NA
894.8	NA	NA	3.15	NA	NA	NA	NA	NA	5.34	NA	NA	NA	NA	10.14	NA	NA
897.5	NA	NA	3.74	NA	NA	NA	NA	NA	4.76	NA	NA	NA	NA	8.84	NA	NA
898.0	NA	NA	4.51	NA	NA	NA	NA	NA	10.58	NA	NA	NA	NA	18.06	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
894.1	NA	19.63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.69
894.2	NA	60.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57.42
894.3	NA	107.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84.93
894.8	NA	10.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.81
897.5	NA	18.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	30.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.70

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APPENDIX V

Summary of 1987-93 Data

PCB Congeners 105 - 207 in Mussels, Clams, and Sediment

(ppb, wet weight)

APPENDIX V

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	6.7	ND	6.10	ND	NA	ND	ND	ND	2.8
3.0	Crescent City/Control	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	2.0
10.0	Trinidad Head	RCM	09/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	2.9
100.0	Mad River Slough	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	ND	ND	10.00	ND	ND	0.6	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
100.0	Mad River Slough	TCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	2.5
104.5	Eureka STP/Control	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	2.6
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	0.4	ND	0.80	ND	NA	ND	0.2	ND	0.3
190.0	Estero Americano	RCM	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	1.7
202.0	Bodega Head	RCM	08/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	ND	ND	9.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND
104.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	4.4	ND	0.60	ND	0.3	0.4	ND	2.10	0.2	ND	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	3.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
104.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
202.0	Bodega Head	RCM	08/24/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	0.20	ND	NA	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	ND	1.90	ND	NA	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	NA	NA	NA	0.50	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	0.2	0.7	ND	1.20	ND	NA	0.20	ND	ND	1.0
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	0.2	0.6	ND	1.20	ND	NA	ND	ND	ND	1.1
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	0.5	ND	0.90	ND	NA	ND	ND	ND	0.8
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	0.2	0.7	ND	1.40	ND	NA	ND	0.3	ND	1.0
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	0.4	ND	0.80	ND	NA	ND	ND	ND	0.3

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	ND	ND	1.00	ND	0.6	0.8	0.2	4.20	0.3	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	ND	1.10	ND	0.4	0.8	0.3	5.10	0.4	ND	0.20	ND	ND	ND	ND	0.2	ND
295.3	ND	ND	1.00	ND	0.3	0.6	0.2	4.30	0.3	ND	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	1.40	ND	0.7	1.0	0.4	5.90	0.5	ND	0.20	ND	ND	ND	ND	0.2	ND
295.5	ND	ND	0.50	ND	0.4	0.4	0.2	2.50	0.2	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	0.40	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	0.50	0.2	ND	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	0.40	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.4	0.50	0.2	ND	0.60	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
295.5	0.30	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	0.82	NA	NA	NA	0.57	NA	NA	ND	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	NA	NA	NA	0.50	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	ND	NA	NA	NA	0.57	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	0.5	ND	0.50	ND	NA	0.20	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	ND	NA	NA	NA	1.82	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	2.25	NA	NA	NA	6.30	NA	NA	0.94	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
297.0	ND	ND	ND	ND	ND	2.4	ND	6.30	ND	ND	ND	ND	ND	ND	1.0	ND	ND
298.0	NA	NA	0.90	NA	NA	NA	NA	2.58	NA	NA	ND	NA	NA	NA	NA	NA	NA
298.0	NA	NA	12.87	NA	NA	NA	NA	ND	NA	NA	0.52	NA	NA	NA	NA	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	1.17	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	2.76	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	0.64	NA	NA	NA	NA	1.10	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	0.68	NA	NA	NA	NA	0.95	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	0.3	ND	1.00	ND	0.4	1.1	ND	3.20	0.3	ND	ND	0.3	0.3	ND	ND	0.2	ND
302.4	NA	NA	1.96	NA	NA	NA	NA	2.80	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.2	NA	NA	6.00	NA	NA	NA	NA	6.00	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
297.0	ND	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.0	0.44	NA	NA	0.66	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
298.0	2.87	NA	NA	9.41	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
298.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	0.29	NA	NA	1.17	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	ND	NA	NA	0.29	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	0.20	0.2	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
302.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.2	ND	NA	NA	1.18	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
303.3	Lauritzen Canal/End	TCM	01/14/88	3.64	NA	NA	NA	6.58	NA	NA	0.98	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	2.56	NA	NA	NA	5.44	NA	NA	0.91	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	NA	NA	NA	0.74	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	NA	NA	NA	0.87	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	NA	NA	NA	0.74	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	1.2	7.7	ND	7.50	ND	NA	6.30	ND	ND	4.3
307.2	Alameda Yacht Harbor	TCM	01/14/88	1.92	NA	NA	NA	4.56	NA	NA	0.92	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	NA	NA	NA	0.33	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	ND	NA	NA	NA	4.92	NA	NA	0.48	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
303.3	NA	NA	ND	NA	NA	NA	NA	6.02	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	5.12	NA	NA	NA	NA	4.32	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	6.70	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
306.5	NA	NA	4.51	NA	NA	NA	NA	3.54	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	2.21	NA	NA	NA	NA	3.12	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	3.22	NA	NA	NA	NA	3.62	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	0.4	ND	12.00	ND	3.2	7.0	4.7	19.00	8.1	2.1	7.90	ND	ND	ND	1.7	3.1	ND
307.2	NA	NA	0.78	NA	NA	NA	NA	8.64	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.2	NA	NA	6.90	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.4	NA	NA	11.40	NA	NA	NA	NA	18.00	NA	NA	0.90	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
303.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	0.64	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	3.35	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
306.5	ND	NA	NA	0.50	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	ND	NA	NA	0.82	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.0	0.34	NA	NA	0.54	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	9.10	2.5	ND	4.20	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
307.2	1.44	NA	NA	2.28	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.2	1.04	NA	NA	3.27	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.4	3.84	NA	NA	4.80	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	0.41	NA	NA	NA	6.75	NA	NA	0.20	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	3.48	NA	NA	NA	5.64	NA	NA	0.89	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	NA	NA	NA	1.35	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	2.08	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	NA	NA	NA	ND	NA	NA	1.82	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	1.08	NA	NA	NA	11.12	NA	NA	1.99	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	NA	NA	NA	2.06	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	NA	NA	NA	0.47	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	NA	NA	NA	0.50	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	7.20	0.2	1.6	ND	1.60	ND	NA	0.60	0.4	ND	1.1

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
307.4	NA	NA	11.70	NA	NA	NA	NA	20.70	NA	NA	0.53	NA	NA	NA	NA	NA	NA
307.6	NA	NA	9.84	NA	NA	NA	NA	11.64	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.8	NA	NA	4.93	NA	NA	NA	NA	4.93	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.9	NA	NA	4.03	NA	NA	NA	NA	4.81	NA	NA	ND	NA	NA	NA	NA	NA	NA
308.2	NA	NA	31.20	NA	NA	NA	NA	48.10	NA	NA	1.20	NA	NA	NA	NA	NA	NA
308.2	NA	NA	49.80	NA	NA	NA	NA	66.40	NA	NA	1.49	NA	NA	NA	NA	NA	NA
321.0	NA	NA	6.45	NA	NA	NA	NA	9.42	NA	NA	ND	NA	NA	NA	NA	NA	NA
321.0	NA	NA	1.49	NA	NA	NA	NA	2.28	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	NA	NA	0.83	NA	NA	NA	NA	0.81	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	0.7	ND	2.20	ND	ND	2.4	4.2	0.90	0.7	ND	ND	ND	ND	ND	0.2	0.4	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
307.4	3.15	NA	NA	3.69	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.6	1.80	NA	NA	3.12	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.8	0.38	NA	NA	0.56	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.9	0.86	NA	NA	1.56	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	6.24	NA	NA	12.61	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	9.96	NA	NA	19.92	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	0.53	NA	NA	1.16	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	0.22	NA	NA	0.40	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	ND	NA	NA	0.23	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	0.50	0.4	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
399.2	Pescadero Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	0.8	ND	1.30	ND	NA	0.30	0.3	ND	0.6
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	NA	NA	NA	0.41	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	ND	NA	NA	NA	0.41	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
400.8	ND	ND	1.50	ND	0.7	1.1	1.9	7.00	0.6	0.3	0.30	ND	ND	ND	ND	0.2	ND
401.3	NA	NA	0.51	NA	NA	NA	NA	0.51	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	0.42	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	0.39	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	1.26	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
400.8	0.70	0.2	ND	0.80	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND
401.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
401.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
402.2	Parson's Slough	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	ND	NA	NA	NA	0.53	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	NA	NA	NA	0.52	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	ND	NA	NA	NA	1.80	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	ND	NA	NA	NA	1.75	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	ND	NA	NA	NA	0.73	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	ND	NA	NA	NA	1.00	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.2	NA	NA	0.61	NA	NA	NA	NA	0.66	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.6	NA	NA	0.54	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	2.64	NA	NA	NA	NA	2.88	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	3.01	NA	NA	NA	NA	3.43	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	1.32	NA	NA	NA	NA	1.08	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	2.55	NA	NA	NA	NA	1.65	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
402.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	0.65	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	0.46	NA	NA	0.84	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
404.0	Sandholdt Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	1.30	0.4	1.8	ND	1.60	ND	NA	0.50	0.3	ND	0.7
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	NA	NA	NA	2.40	NA	NA	0.47	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	ND	NA	NA	NA	2.61	NA	NA	0.41	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	5.90	ND	NA	ND	ND	ND	2.3
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	NA	NA	NA	3.96	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
404.0	NA	NA	1.61	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	ND	ND	1.20	ND	0.5	1.0	0.8	1.80	0.4	ND	ND	ND	ND	ND	ND	ND	ND
408.9	NA	NA	5.20	NA	NA	NA	NA	5.36	NA	NA	0.39	NA	NA	NA	NA	NA	NA
409.0	NA	NA	4.77	NA	NA	NA	NA	4.23	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	ND	ND	9.20	ND	ND	ND	3.7	2.90	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	3.60	NA	NA	NA	NA	5.22	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
404.0	ND	NA	NA	0.75	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
404.0	0.20	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
408.9	1.28	NA	NA	1.04	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
409.0	0.90	NA	NA	0.81	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	ND	NA	NA	0.81	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
425.6	Lake San Antonio	RFC	09/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.3
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	ND	0.30	ND	NA	ND	ND	ND	0.2
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	ND	0.20	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	0.20	ND	ND	ND	ND	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
430.0	Montana De Oro	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.3
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	ND	0.20	ND	NA	ND	ND	ND	0.6
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
434.0	Diablo Cove/South	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	ND	0.60	ND	NA	ND	ND	ND	0.6
435.0	Intake Cove	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	ND	0.40	ND	NA	ND	ND	ND	0.6
436.0	Pecho Rock	RCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
436.0	Pecho Rock	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	0.3	ND	1.10	ND	NA	0.20	ND	ND	0.5
437.0	Point San Luis	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	ND	0.60	ND	NA	ND	ND	ND	0.7
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
436.0	NA	NA	0.66	NA	NA	NA	NA	0.55	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	0.70	ND	0.2	0.2	ND	2.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	0.20	ND	ND	ND	ND	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	ND	0.40	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	ND	NA	NA	NA	0.82	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	ND	0.50	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	ND	0.70	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
445.0	San Luis Harbor/Transplant	TCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	0.4	ND	0.20	ND	NA	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	0.4	2.8	ND	3.30	ND	NA	0.40	ND	ND	1.2
455.0	Gaviota	RCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	ND	NA	NA	NA	0.24	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	SED	09/03/89	ND	1.2	9.9	ND	8.60	3.0	NA	ND	3.3	ND	3.4

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	0.82	NA	NA	NA	NA	0.97	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	ND	ND	0.20	ND	ND	ND	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	ND	ND	1.70	ND	0.5	1.3	0.7	5.90	ND	0.2	ND	ND	ND	ND	ND	ND	ND
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
460.0	NA	NA	0.37	NA	NA	NA	NA	0.24	NA	NA	ND	NA	NA	NA	NA	NA	NA
460.0	0.5	ND	2.30	0.6	15.0	6.3	4.6	11.00	1.0	0.2	9.30	10.0	ND	3.3	13.0	9.1	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	0.20	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
460.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
460.0	ND	7.7	5.4	2.50	ND	ND	ND	2.1	1.5	2.9	ND	ND	ND	2.7	ND	ND	ND

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	7.6	ND	6.60	ND	NA	7.10	ND	ND	3.4
475.0	Carpinteria Marsh	TCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
485.0	Ventura Marina	TCM	01/25/88	ND	NA	NA	NA	4.16	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	6.50	NA	NA	NA	19.50	NA	NA	3.12	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	1.49	NA	NA	NA	0.96	NA	NA	0.85	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	1.56	NA	NA	NA	9.24	NA	NA	0.94	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	3.91	NA	NA	NA	14.14	NA	NA	1.58	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	NA	NA	NA	22.50	NA	NA	1.30	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	NA	NA	NA	0.72	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	0.80	ND	1.0	ND	ND	ND	NA	0.30	0.5	ND	1.0

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
460.1	ND	ND	11.00	ND	ND	1.1	ND	ND	ND	ND	8.80	ND	ND	ND	ND	3.2	ND
475.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
485.0	NA	NA	2.21	NA	NA	NA	NA	2.73	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.1	NA	NA	26.00	NA	NA	NA	NA	27.30	NA	NA	0.88	NA	NA	NA	NA	NA	NA
506.1	NA	NA	23.66	NA	NA	NA	NA	ND	NA	NA	0.37	NA	NA	NA	NA	NA	NA
506.2	NA	NA	10.80	NA	NA	NA	NA	11.52	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.2	NA	NA	13.58	NA	NA	NA	NA	17.67	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.3	NA	NA	21.00	NA	NA	NA	NA	27.00	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.3	NA	NA	3.70	NA	NA	NA	NA	2.93	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.3	ND	ND	1.20	0.4	0.4	2.7	1.2	3.20	0.8	0.2	1.20	ND	ND	0.8	ND	0.6	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
460.1	9.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
475.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
485.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	4.16	NA	NA	6.37	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	3.21	NA	NA	5.41	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.2	1.44	NA	NA	3.48	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.2	0.82	NA	NA	1.51	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.3	1.65	NA	NA	3.00	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
507.3	0.66	NA	NA	1.48	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
507.3	1.90	0.3	0.2	1.20	ND	ND	ND	0.4	ND	0.5	ND	ND	ND	0.6	ND	0.3	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
507.8	Revolon Slough	TFC	03/14/88	ND	NA	NA	NA	3.43	NA	NA	1.96	NA	NA	NA
507.8	Revolon Slough	SED	09/03/89	ND	ND	1.1	ND	ND	ND	NA	ND	ND	ND	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	0.4	ND	ND	ND	NA	ND	0.2	ND	0.4
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	0.7	ND	ND	ND	NA	3.80	ND	0.6	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.2
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	1.5	ND	0.40	ND	NA	1.40	ND	0.3	0.9
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
509.0	Calleguas	SED	09/03/89	0.20	ND	0.4	ND	ND	ND	NA	ND	0.3	ND	0.5

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
507.8	NA	NA	ND	NA	NA	NA	NA	14.70	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.8	ND	ND	ND	ND	ND	0.3	1.2	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND
508.1	ND	ND	0.50	ND	ND	1.0	0.4	1.70	0.4	ND	0.40	ND	ND	0.4	ND	0.2	ND
508.2	ND	ND	0.20	ND	1.3	ND	1.7	ND	ND	ND	0.30	0.6	ND	ND	ND	ND	ND
508.3	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND
508.4	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.5	ND	ND	ND	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.6	ND	ND	0.20	ND	0.6	0.4	1.4	0.90	0.6	ND	ND	ND	ND	ND	ND	ND	ND
508.7	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
509.0	ND	ND	0.60	0.2	0.2	1.3	0.5	1.80	0.4	ND	0.70	ND	ND	0.3	ND	0.3	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
507.8	0.70	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
507.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.1	0.80	ND	ND	0.50	ND	ND	ND	0.2	ND	0.2	ND	ND	ND	0.3	ND	0.6	ND
508.2	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND
508.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND
508.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND
508.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND
508.6	0.20	ND	ND	0.20	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	0.8	ND
508.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND
509.0	1.10	0.2	ND	0.60	ND	ND	ND	0.3	ND	0.3	ND	ND	ND	0.3	ND	0.2	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
553.0	Marina Del Rey/Entrance	TCM	12/19/88	0.57	NA	NA	NA	2.65	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	1.28	NA	NA	NA	6.30	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	3.09	NA	NA	NA	10.37	NA	NA	1.09	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	NA	NA	NA	4.70	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	2.19	NA	NA	NA	10.45	NA	NA	0.67	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	1.32	NA	NA	NA	6.16	NA	NA	0.45	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	NA	NA	NA	7.98	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	2.38	NA	NA	NA	13.75	NA	NA	0.26	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	0.37	NA	NA	NA	0.39	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	3.36	NA	NA	NA	6.96	NA	NA	0.94	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
553.0	NA	NA	3.89	NA	NA	NA	NA	3.54	NA	NA	ND	NA	NA	NA	NA	NA	NA
554.0	NA	NA	5.76	NA	NA	NA	NA	5.94	NA	NA	ND	NA	NA	NA	NA	NA	NA
554.0	NA	NA	11.28	NA	NA	NA	NA	12.01	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	3.80	NA	NA	NA	NA	4.00	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.2	NA	NA	4.95	NA	NA	NA	NA	5.28	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	6.02	NA	NA	NA	NA	7.14	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	9.38	NA	NA	NA	NA	15.00	NA	NA	ND	NA	NA	NA	NA	NA	NA
557.0	NA	NA	0.42	NA	NA	NA	NA	0.43	NA	NA	ND	NA	NA	NA	NA	NA	NA
559.0	NA	NA	5.28	NA	NA	NA	NA	5.28	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
553.0	ND	NA	NA	0.50	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
554.0	ND	NA	NA	1.12	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
554.0	0.47	NA	NA	0.95	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.0	ND	NA	NA	0.68	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
555.0	0.36	NA	NA	0.71	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.2	ND	NA	NA	0.89	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	ND	NA	NA	1.06	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	0.52	NA	NA	0.75	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
557.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
559.0	ND	NA	NA	0.97	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
601.0	LA Harbor/National Steel	TCM	12/28/87	2.76	NA	NA	NA	15.60	NA	NA	1.04	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	4.03	NA	NA	NA	21.60	NA	NA	1.01	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	20.00	1.4	21.0	ND	20.00	ND	NA	6.90	4.2	1.0	8.7
602.0	LA Harbor/West Basin	TCM	12/28/87	2.08	NA	NA	NA	5.07	NA	NA	0.82	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	2.55	NA	NA	NA	14.79	NA	NA	1.24	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	ND	NA	NA	NA	10.23	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	12.00	1.2	13.0	1.8	14.00	1.4	NA	4.10	1.9	0.7	4.7
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	1.04	NA	NA	NA	12.73	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	2.47	NA	NA	NA	6.76	NA	NA	0.70	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	1.94	NA	NA	NA	10.88	NA	NA	0.36	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
601.0	NA	NA	13.20	NA	NA	NA	NA	14.40	NA	NA	ND	NA	NA	NA	NA	NA	NA
601.0	NA	NA	20.16	NA	NA	NA	NA	30.24	NA	NA	0.35	NA	NA	NA	NA	NA	NA
601.0	8.9	ND	18.00	ND	4.7	24.0	40.0	35.00	2.9	3.8	0.80	0.3	5.7	ND	1.5	0.2	ND
602.0	NA	NA	4.42	NA	NA	NA	NA	3.64	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	15.81	NA	NA	NA	NA	17.00	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	10.95	NA	NA	NA	NA	14.28	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	5.5	0.2	10.00	ND	ND	11.0	20.0	20.00	3.0	2.6	0.50	ND	0.3	ND	1.0	1.1	ND
602.7	NA	NA	10.45	NA	NA	NA	NA	10.64	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	6.11	NA	NA	NA	NA	6.11	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	12.37	NA	NA	NA	NA	13.41	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
601.0	1.15	NA	NA	3.24	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
601.0	1.37	NA	NA	4.46	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
601.0	ND	2.6	ND	6.40	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	1.70	NA	NA	3.40	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	0.82	NA	NA	1.31	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
602.5	1.50	1.2	ND	2.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.7	0.80	NA	NA	1.65	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	ND	NA	NA	0.95	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	0.43	NA	NA	0.85	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
603.6	LA Harbor/Slip 240	TCM	12/28/87	0.97	NA	NA	NA	4.59	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	ND	NA	NA	NA	1.18	NA	NA	ND	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	0.83	NA	NA	NA	5.39	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	0.92	NA	NA	NA	3.96	NA	NA	ND	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	1.25	NA	NA	NA	2.60	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	NA	NA	NA	2.52	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	NA	NA	NA	2.50	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	0.76	NA	NA	NA	7.07	NA	NA	0.40	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	3.90	0.3	3.8	ND	3.80	ND	NA	1.00	0.8	0.2	2.3
662.0	Royal Palms	RCM	12/28/87	ND	NA	NA	NA	0.62	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
603.6	NA	NA	3.91	NA	NA	NA	NA	4.08	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.8	NA	NA	1.04	NA	NA	NA	NA	0.91	NA	NA	ND	NA	NA	NA	NA	NA	NA
605.0	NA	NA	4.47	NA	NA	NA	NA	6.16	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.2	NA	NA	2.52	NA	NA	NA	NA	2.52	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.3	NA	NA	1.69	NA	NA	NA	NA	1.95	NA	NA	ND	NA	NA	NA	NA	NA	NA
609.0	NA	NA	1.69	NA	NA	NA	NA	1.67	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	3.40	NA	NA	NA	NA	5.20	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	11.53	NA	NA	NA	NA	21.08	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	2.2	ND	3.80	1.2	1.0	5.9	12.0	8.90	1.2	0.9	0.30	ND	ND	ND	0.4	0.7	ND
662.0	NA	NA	0.45	NA	NA	NA	NA	0.49	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
603.6	ND	NA	NA	0.71	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
605.0	ND	NA	NA	0.52	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
606.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
606.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
609.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	0.62	NA	NA	1.30	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	1.61	NA	NA	4.09	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
616.0	0.80	0.7	ND	1.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
662.0	Royal Palms	RCM	12/19/88	ND	NA	NA	NA	1.34	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	1.5	ND	1.70	ND	NA	0.50	ND	ND	0.2
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	NA	NA	NA	2.70	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	0.55	NA	NA	NA	3.82	NA	NA	0.42	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	2.00	0.2	3.2	ND	2.90	ND	NA	0.80	ND	ND	0.9
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	0.98	NA	NA	NA	1.72	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	9.60	1.3	9.5	ND	9.20	ND	NA	8.50	ND	ND	3.5
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	ND	NA	NA	NA	3.24	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	0.46	NA	NA	NA	4.16	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	3.10	0.4	4.7	ND	4.70	ND	NA	1.40	0.4	ND	1.5

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
662.0	NA	NA	0.96	NA	NA	NA	NA	0.69	NA	NA	ND	NA	NA	NA	NA	NA	NA
662.0	ND	ND	1.10	ND	0.2	0.6	0.4	3.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
707.0	NA	NA	2.52	NA	NA	NA	NA	3.06	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	NA	NA	4.91	NA	NA	NA	NA	4.37	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	ND	ND	2.00	ND	ND	2.1	4.0	4.20	0.5	0.3	ND	ND	ND	ND	ND	0.3	ND
708.0	NA	NA	1.74	NA	NA	NA	NA	1.46	NA	NA	ND	NA	NA	NA	NA	NA	NA
708.0	ND	ND	11.00	ND	2.9	5.2	4.7	15.00	8.0	1.9	ND	ND	ND	ND	1.7	3.0	ND
710.2	NA	NA	3.24	NA	NA	NA	NA	4.14	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	NA	NA	5.12	NA	NA	NA	NA	6.72	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	ND	ND	3.40	0.5	1.1	3.7	0.4	7.00	0.8	0.5	ND	ND	ND	ND	0.3	0.4	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
662.0	ND	0.2	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
707.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
707.0	ND	NA	NA	0.55	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
707.0	0.20	0.2	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
708.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
708.0	8.70	2.8	ND	3.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
710.2	ND	NA	NA	0.77	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
710.2	ND	NA	NA	0.53	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
710.2	0.30	0.3	ND	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	0.94	NA	NA	NA	1.68	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	0.2	2.1	ND	1.90	ND	NA	0.30	0.3	ND	0.6
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	NA	NA	NA	1.65	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	0.32	NA	NA	NA	3.56	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	3.80	ND	3.9	ND	4.40	ND	NA	1.50	1.1	ND	1.9
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	NA	NA	NA	1.30	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	0.43	NA	NA	NA	2.45	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	NA	NA	NA	1.12	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	NA	NA	NA	2.00	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	1.40	0.2	2.4	ND	2.90	ND	NA	0.60	ND	ND	0.7

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
713.0	NA	NA	1.44	NA	NA	NA	NA	1.32	NA	NA	ND	NA	NA	NA	NA	NA	NA
713.0	ND	ND	1.20	ND	0.4	1.2	0.6	3.30	0.3	ND	ND	ND	ND	ND	ND	ND	ND
715.0	NA	NA	2.86	NA	NA	NA	NA	3.52	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	NA	NA	6.48	NA	NA	NA	NA	9.72	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	2.9	ND	5.10	0.6	1.2	5.7	0.5	12.30	1.4	1.1	ND	ND	ND	ND	0.4	0.7	ND
717.0	NA	NA	1.90	NA	NA	NA	NA	3.00	NA	NA	ND	NA	NA	NA	NA	NA	NA
717.0	NA	NA	4.51	NA	NA	NA	NA	5.16	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	0.90	NA	NA	NA	NA	1.14	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	0.86	NA	NA	NA	NA	0.82	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	ND	ND	1.70	0.2	ND	1.7	3.6	3.40	0.4	ND	ND	ND	ND	ND	ND	0.3	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
713.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
715.0	ND	NA	NA	0.64	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
715.0	0.41	NA	NA	0.70	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
715.0	0.60	0.7	ND	1.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
717.0	ND	NA	NA	0.58	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
717.0	0.27	NA	NA	0.45	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	0.2	ND	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
723.0	Newport Bay/Bay Island	TCM	12/21/87	0.94	NA	NA	NA	1.92	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	2.60	0.3	4.8	ND	3.80	ND	NA	1.20	0.5	ND	1.9
723.4	Newport Bay/Turning Basin	TCM	12/21/87	1.32	NA	NA	NA	2.28	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	NA	NA	NA	1.95	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	2.20	0.4	3.4	ND	4.40	ND	NA	0.80	ND	ND	2.0
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	NA	NA	NA	2.52	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	0.42	NA	NA	NA	2.64	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	2.40	0.5	3.8	ND	4.20	ND	NA	1.30	0.5	ND	2.3
725.0	Newport Bay/Crows Nest	TCM	12/21/87	5.64	NA	NA	NA	12.00	NA	NA	0.77	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	1.75	NA	NA	NA	ND	NA	NA	0.41	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
723.0	NA	NA	1.92	NA	NA	NA	NA	1.76	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.0	ND	ND	2.80	ND	0.8	3.4	6.5	6.40	0.7	0.3	ND	ND	ND	ND	0.2	0.4	ND
723.4	NA	NA	1.80	NA	NA	NA	NA	1.68	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	NA	NA	1.46	NA	NA	NA	NA	1.71	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	1.4	ND	2.40	ND	0.7	2.9	1.1	5.70	0.6	0.3	ND	ND	ND	ND	0.2	0.2	ND
724.0	NA	NA	3.00	NA	NA	NA	NA	4.08	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	NA	NA	3.43	NA	NA	NA	NA	3.30	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	ND	ND	3.50	ND	1.0	3.4	1.5	7.00	0.7	ND	ND	ND	ND	ND	0.3	0.4	ND
725.0	NA	NA	6.24	NA	NA	NA	NA	7.32	NA	NA	ND	NA	NA	NA	NA	NA	NA
725.0	NA	NA	10.80	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
723.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.0	0.30	0.3	ND	1.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
723.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.4	ND	NA	NA	0.28	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
723.4	0.40	0.2	ND	0.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
724.0	ND	NA	NA	0.68	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
724.0	ND	NA	NA	0.36	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
724.0	0.40	0.4	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
725.0	0.67	NA	NA	1.68	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
725.0	0.70	NA	NA	3.94	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
725.0	Newport Bay/Crows Nest	TCM	12/27/89	13.00	2.4	23.0	ND	27.20	1.8	NA	3.90	1.8	0.7	5.3
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	3.24	NA	NA	NA	7.44	NA	NA	0.72	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	5.70	NA	NA	NA	20.52	NA	NA	1.01	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	0.62	NA	NA	NA	1.43	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	15.00	3.3	31.0	ND	37.00	2.9	NA	3.20	2.4	1.1	6.9
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	0.67	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	1.00	0.2	1.4	ND	1.60	ND	NA	0.30	ND	ND	0.6
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	0.70	0.2	1.3	ND	1.10	ND	NA	ND	ND	ND	0.4

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
725.0	5.7	ND	10.00	ND	4.0	12.8	24.0	25.00	2.8	2.2	0.50	ND	0.3	ND	1.0	1.3	ND
726.0	NA	NA	4.08	NA	NA	NA	NA	4.32	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.0	NA	NA	10.60	NA	NA	NA	NA	15.96	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.2	NA	NA	0.82	NA	NA	NA	NA	0.77	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	1.82	NA	NA	NA	NA	1.69	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	0.49	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	7.1	0.2	14.00	ND	5.2	16.0	31.0	28.00	3.4	2.9	0.60	ND	0.4	ND	1.4	1.5	ND
728.4	NA	NA	0.54	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.4	ND	ND	0.60	ND	0.8	0.8	0.6	1.60	ND	0.2	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	0.60	ND	0.4	0.6	0.5	1.30	ND	0.2	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
725.0	1.40	1.2	ND	3.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.0	ND	NA	NA	0.92	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
726.0	0.56	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.2	ND	NA	NA	0.22	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	1.70	1.4	ND	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	0.4	ND	0.40	ND	NA	0.20	ND	ND	0.2
744.2	San Onofre 2	TCM	11/22/89	ND	ND	0.2	ND	0.60	ND	NA	ND	ND	ND	0.4
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	ND	0.20	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	0.3	ND	0.60	ND	NA	ND	ND	ND	0.6
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
728.6	NA	NA	1.05	NA	NA	NA	NA	1.05	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.8	NA	NA	0.52	NA	NA	NA	NA	0.53	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.9	ND	ND	0.40	ND	0.3	0.3	0.2	1.40	0.2	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	0.20	ND	ND	0.3	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	0.20	ND	ND	ND	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	0.30	ND	ND	ND	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	0.40	ND	ND	0.4	ND	1.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
728.6	0.29	NA	NA	0.30	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
728.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
728.9	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
744.6	San Onofre 6	TCM	11/22/89	ND	ND	0.3	ND	0.30	ND	NA	ND	ND	ND	0.3
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
750.0	Oceanside	RCM	12/21/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	0.2	ND	0.60	ND	NA	ND	ND	ND	0.2
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	ND	0.30	ND	NA	ND	ND	ND	0.3
868.5	Mission Bay/Landfill 1	SED	09/01/89	0.30	ND	0.5	ND	0.60	ND	NA	ND	ND	ND	0.3
868.5	Mission Bay/Landfill 1	TCM	12/21/89	0.80	ND	0.9	ND	1.30	ND	NA	0.20	ND	ND	0.5
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	2.64	NA	NA	NA	7.44	NA	NA	1.08	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	2.81	NA	NA	NA	13.94	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	1.60	NA	NA	NA	9.98	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
744.6	ND	ND	0.30	ND	ND	0.3	ND	0.90	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
750.0	ND	ND	0.30	ND	ND	ND	0.4	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	0.20	ND	ND	0.2	ND	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	0.30	ND	ND	0.4	ND	0.60	0.3	ND	ND	ND	ND	0.2	ND	ND	ND
868.5	0.3	ND	1.10	ND	0.4	1.0	ND	2.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	NA	NA	7.92	NA	NA	NA	NA	8.52	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.7	NA	NA	16.08	NA	NA	NA	NA	18.76	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.8	NA	NA	14.63	NA	NA	NA	NA	15.96	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	0.20	ND	ND	0.30	ND	ND	ND	ND	0.2	0.2	ND	ND	ND	0.3	ND	0.2	ND
868.5	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	0.66	NA	NA	1.56	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
882.7	0.88	NA	NA	1.88	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
882.8	0.80	NA	NA	1.60	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	1.39	NA	NA	NA	9.58	NA	NA	0.43	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	0.80	NA	NA	NA	7.04	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	3.36	NA	NA	NA	4.96	NA	NA	0.75	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	3.08	NA	NA	NA	14.19	NA	NA	0.55	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	0.83	NA	NA	NA	4.68	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	0.59	NA	NA	NA	5.88	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	1.46	NA	NA	NA	8.78	NA	NA	0.37	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	20.80	NA	NA	NA	46.80	NA	NA	3.77	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	29.60	NA	NA	NA	88.80	NA	NA	7.10	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	36.00	5.2	41.0	11.0	64.00	6.4	NA	7.80	6.3	2.2	13.0

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
882.9	NA	NA	10.33	NA	NA	NA	NA	15.12	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.1	NA	NA	10.21	NA	NA	NA	NA	9.66	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.6	NA	NA	4.96	NA	NA	NA	NA	4.64	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.6	NA	NA	17.10	NA	NA	NA	NA	18.81	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.2	NA	NA	7.84	NA	NA	NA	NA	10.76	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.4	NA	NA	10.36	NA	NA	NA	NA	14.42	NA	NA	ND	NA	NA	NA	NA	NA	NA
886.2	NA	NA	9.44	NA	NA	NA	NA	9.98	NA	NA	ND	NA	NA	NA	NA	NA	NA
894.0	NA	NA	27.30	NA	NA	NA	NA	28.60	NA	NA	1.00	NA	NA	NA	NA	NA	NA
894.0	NA	NA	62.16	NA	NA	NA	NA	44.40	NA	NA	2.22	NA	NA	NA	NA	NA	NA
894.0	9.8	0.8	28.00	2.0	8.9	31.0	48.0	57.00	9.7	6.4	2.70	ND	0.7	0.3	3.0	4.1	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
882.9	0.82	NA	NA	1.26	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.1	0.58	NA	NA	0.66	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.6	ND	NA	NA	0.96	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
883.6	0.92	NA	NA	2.05	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.2	0.46	NA	NA	1.06	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.4	0.71	NA	NA	1.96	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
886.2	0.55	NA	NA	0.80	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	4.81	NA	NA	7.15	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
894.0	10.06	NA	NA	13.62	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	5.90	3.8	0.6	9.10	ND	ND	ND	0.3	ND	0.3	ND	ND	ND	ND	ND	ND	ND

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APPENDIX V (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, wet weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	5.74	NA	NA	NA	25.67	NA	NA	1.66	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	13.57	NA	NA	NA	53.94	NA	NA	2.96	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	23.84	NA	NA	NA	35.76	NA	NA	5.66	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	3.56	NA	NA	NA	13.56	NA	NA	ND	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	11.05	NA	NA	NA	22.10	NA	NA	2.04	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	12.77	NA	NA	NA	37.41	NA	NA	2.58	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
894.1	NA	NA	24.16	NA	NA	NA	NA	28.69	NA	NA	0.30	NA	NA	NA	NA	NA	NA
894.2	NA	NA	36.54	NA	NA	NA	NA	46.98	NA	NA	0.63	NA	NA	NA	NA	NA	NA
894.3	NA	NA	50.66	NA	NA	NA	NA	ND	NA	NA	1.39	NA	NA	NA	NA	NA	NA
894.8	NA	NA	13.70	NA	NA	NA	NA	15.07	NA	NA	ND	NA	NA	NA	NA	NA	NA
897.5	NA	NA	14.28	NA	NA	NA	NA	13.09	NA	NA	ND	NA	NA	NA	NA	NA	NA
898.0	NA	NA	20.64	NA	NA	NA	NA	18.06	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
894.1	1.81	NA	NA	4.23	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.2	4.35	NA	NA	9.05	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.3	7.45	NA	NA	14.45	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.8	ND	NA	NA	1.00	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
897.5	0.73	NA	NA	2.04	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
898.0	0.80	NA	NA	2.97	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W

Summary of 1987-93 Data

PCB Congeners 5 - 101 in Mussels, Clams, and Sediment

(ppb, dry weight)

APPENDIX W

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
2.0	Crescent City/STP Outfall	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
2.0	ND	2.3	ND	ND	ND	NA	ND	8.6	ND	ND	ND	ND	ND	ND	26.6	3.9
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	ND	ND	ND	ND	ND	NA	ND	8.3	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
10.0	ND	ND	ND	ND	ND	NA	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
100.0	Mad River Slough	TCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	5.0	NA	NA
104.0	ND	ND	ND	ND	ND	24.2	ND	ND	ND	ND	ND	ND	ND	ND	47.8	ND
104.5	NA	NA	ND	NA	NA	NA	NA	NA	8.0	NA	NA	NA	NA	6.4	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	32.0	ND	ND	ND	ND	ND	ND	48.0	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
104.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	NA	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND
104.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	NA	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	4.5	ND	1.8	ND	NA	ND	ND	2.7	ND	2.7	ND	ND	1.8	5.5	4.5
190.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
190.0	ND	ND	ND	ND	ND	NA	ND	11.9	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
202.0	Bodega Head	RCM	08/24/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	NA	2.0	NA	NA	NA	NA	4.1	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	NA	2.4	NA	NA	NA	NA	ND	NA	NA
295.1	ND	ND	ND	ND	ND	ND	ND	2.1	6.3	7.4	ND	4.2	ND	ND	ND	2.1
295.2	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
202.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	NA	ND	74.2	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.0
295.1	NA	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6
295.1	ND	10.5	ND	4.2	ND	NA	ND	ND	9.5	3.2	4.2	ND	ND	4.2	14.7	10.5
295.2	ND	4.1	ND	ND	ND	NA	ND	ND	2.5	1.6	2.5	ND	ND	2.5	5.7	6.6
295.3	ND	5.7	ND	ND	ND	NA	ND	ND	ND	ND	3.4	ND	ND	3.4	3.4	6.8
295.4	ND	6.3	ND	ND	ND	NA	ND	ND	ND	1.8	5.4	ND	ND	2.7	8.0	8.0
295.5	ND	3.1	ND	ND	ND	NA	ND	ND	ND	ND	2.3	ND	ND	1.5	3.1	3.1

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	NA	NA	NA	ND	NA	NA	6.1	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	NA	NA	NA	5.9	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
297.0	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	4.0	ND	ND
298.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
298.0	NA	NA	ND	NA	NA	NA	NA	NA	7.1	NA	NA	NA	NA	3.0	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND
302.4	NA	NA	8.9	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	12.0	NA	NA
303.2	NA	NA	12.0	NA	NA	NA	NA	NA	12.0	NA	NA	NA	NA	24.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
297.0	ND	11.3	ND	ND	ND	NA	ND	ND	ND	ND	37.9	ND	ND	4.0	4.8	16.9
298.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.0
298.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0
302.0	ND	5.6	ND	ND	ND	NA	ND	11.1	6.7	2.2	2.2	ND	ND	2.2	5.6	10.0
302.4	NA	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.2	NA	27.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
303.3	Lauritzen Canal/End	TCM	01/14/88	NA	NA	NA	ND	NA	NA	7.6	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
303.3	NA	NA	31.0	NA	NA	NA	NA	NA	26.0	NA	NA	NA	NA	37.0	NA	NA
303.6	NA	NA	9.6	NA	NA	NA	NA	NA	11.0	NA	NA	NA	NA	20.0	NA	NA
303.6	NA	NA	ND	NA	NA	NA	NA	NA	3.2	NA	NA	NA	NA	9.1	NA	NA
306.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.1	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.4	NA	NA
307.0	ND	ND	ND	ND	ND	ND	2.1	ND	2.1	ND	ND	4.8	5.5	ND	ND	ND
307.2	NA	NA	6.9	NA	NA	NA	NA	NA	6.7	NA	NA	NA	NA	16.0	NA	NA
307.2	NA	NA	ND	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	8.1	NA	NA
307.4	NA	NA	6.2	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	15.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
303.3	NA	56.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	23.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.0
306.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.0
307.0	ND	19.3	ND	55.9	29.7	NA	ND	6.9	46.9	51.0	16.6	1.4	ND	22.1	29.0	31.0
307.2	NA	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.2	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.0
307.4	NA	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
307.4	NA	NA	4.1	NA	NA	NA	NA	NA	5.1	NA	NA	NA	NA	21.0	NA	NA
307.6	NA	NA	4.6	NA	NA	NA	NA	NA	4.9	NA	NA	NA	NA	13.0	NA	NA
307.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.9	NA	NA
307.9	NA	NA	4.0	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	7.1	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	13.0	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	2.2	NA	NA	NA	NA	5.8	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	ND	ND	1.4	ND	ND	ND	ND	1.4	2.1	ND	ND	ND	2.9	5.7	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
307.4	NA	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	106.0
307.6	NA	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.0
307.9	NA	5.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0
321.0	NA	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.0
321.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0
323.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9
323.3	ND	13.6	ND	4.3	2.1	NA	ND	7.1	12.9	4.3	4.3	1.4	ND	3.6	13.6	20.0

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
399.2	Pescadero Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND
401.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
400.8	ND	6.1	ND	1.8	ND	NA	ND	1.8	8.8	3.5	7.0	ND	ND	3.5	8.8	10.5
401.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3
401.5	NA	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.6	NA	5.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.8	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
402.2	Parson's Slough	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.2	NA	NA	2.4	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	4.7	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
402.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.2	NA	3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4
403.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.2

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
404.0	Sandholdt Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	01/22/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	ND	ND	1.2	ND	ND	ND	ND	1.2	1.8	ND	ND	1.2	1.8	3.7	ND	ND
408.9	NA	NA	ND	NA	NA	NA	NA	NA	7.0	NA	NA	NA	NA	9.0	NA	NA
409.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	7.3	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	10.0	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.8
404.0	ND	6.7	ND	2.4	ND	NA	ND	ND	ND	3.0	7.9	ND	ND	2.4	5.5	10.4
408.9	NA	23.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
409.0	NA	17.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
414.0	ND	ND	ND	ND	ND	NA	ND	32.5	ND	ND	11.9	ND	ND	ND	ND	ND
421.7	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
425.6	Lake San Antonio	RFC	09/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
425.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	ND	ND	ND	ND	ND	NA	ND	2.6	ND	ND	0.9	ND	ND	ND	ND	0.9
426.5	ND	ND	ND	ND	ND	NA	ND	9.0	ND	ND	2.5	ND	ND	ND	ND	1.0
426.5	ND	ND	ND	ND	ND	NA	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	5.8	ND	ND	2.1	ND	ND	ND	1.0	ND
430.0	ND	ND	ND	ND	ND	NA	ND	8.8	ND	ND	1.2	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	NA	ND	28.9	ND	ND	2.0	ND	ND	ND	ND	ND
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	NA	ND	21.5	ND	ND	1.8	ND	ND	ND	ND	ND
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
436.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	1.1	ND	ND	ND	NA	ND	23.9	ND	ND	2.7	ND	ND	ND	3.8	3.3
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	NA	ND	17.2	ND	ND	ND	ND	ND	ND	1.1	1.1
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	NA	ND	13.0	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	NA	ND	39.6	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	ND	ND	NA	1.0	ND	1.5	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	7.1	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	6.7	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	2.0	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	ND	ND	ND	ND	ND	ND	ND	0.9	0.9	ND	ND	0.9	1.4	1.8	ND	ND
445.0	ND	ND	6.4	ND	ND	2.0	ND	4.4	4.4	1.0	ND	6.4	8.4	11.3	6.4	1.5
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
460.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
460.0	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	2.6	3.5	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
445.0	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.2
445.0	0.9	1.8	ND	0.9	ND	NA	ND	0.9	1.8	ND	1.4	ND	ND	ND	1.4	2.3
445.0	ND	16.7	ND	9.9	4.9	NA	1.0	10.8	8.9	4.9	10.8	1.0	ND	3.9	9.9	16.7
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
460.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.3
460.0	ND	11.0	ND	20.3	ND	NA	ND	1.7	16.4	19.9	8.9	0.9	ND	8.4	9.3	13.0

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
475.0	Carpinteria Marsh	TCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
485.0	Ventura Marina	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	NA	NA	NA	9.7	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	ND	ND	0.8	NA	ND	ND	0.3	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
460.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND	ND
475.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
485.0	NA	NA	9.0	NA	NA	NA	NA	NA	13.0	NA	NA	NA	NA	14.0	NA	NA
506.1	NA	NA	5.0	NA	NA	NA	NA	NA	12.0	NA	NA	NA	NA	36.0	NA	NA
506.1	NA	NA	ND	NA	NA	NA	NA	NA	4.5	NA	NA	NA	NA	29.0	NA	NA
506.2	NA	NA	6.1	NA	NA	NA	NA	NA	5.9	NA	NA	NA	NA	23.0	NA	NA
506.2	NA	NA	ND	NA	NA	NA	NA	NA	7.4	NA	NA	NA	NA	22.0	NA	NA
506.3	NA	NA	ND	NA	NA	NA	NA	NA	10.0	NA	NA	NA	NA	45.0	NA	NA
507.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
507.3	ND	ND	0.3	ND	0.3	0.3	1.0	ND	0.6	ND	ND	0.6	1.0	1.1	ND	0.3

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
460.1	ND	1.3	ND	19.5	ND	NA	ND	ND	ND	17.5	3.1	ND	ND	ND	3.7	1.3
475.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
485.0	NA	26.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	33.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110.0
506.2	NA	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	NA	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.0
506.3	NA	27.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
507.3	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.0
507.3	ND	1.3	ND	0.3	ND	NA	ND	ND	ND	0.3	2.4	ND	ND	ND	0.3	1.3

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RFC = Resident Fresh Water Clam
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NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
507.8	Revolon Slough	TFC	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.8	Revolon Slough	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
509.0	Calleguas	SED	09/03/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
507.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
507.8	ND	ND	ND	ND	ND	ND	15.1	ND	ND	2.0	ND	ND	ND	ND	ND	ND
508.1	ND	ND	ND	ND	ND	ND	6.9	ND	ND	ND	ND	0.4	ND	0.4	ND	ND
508.2	ND	ND	ND	ND	ND	ND	12.3	ND	ND	ND	ND	0.7	ND	ND	4.4	ND
508.3	ND	ND	ND	ND	ND	ND	15.1	ND	ND	ND	ND	0.5	ND	ND	ND	ND
508.4	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.5	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	0.4	ND	ND	ND	ND
508.6	ND	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	2.8	1.3	0.7	ND	ND
508.7	ND	ND	ND	ND	ND	ND	27.0	ND	ND	ND	ND	0.4	ND	ND	ND	ND
509.0	ND	ND	ND	ND	ND	ND	13.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
507.8	NA	41.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
507.8	ND	0.8	ND	ND	ND	NA	ND	2.6	ND	0.4	4.4	ND	ND	ND	1.0	1.8
508.1	ND	0.4	ND	ND	ND	NA	ND	ND	ND	ND	1.6	ND	ND	ND	ND	0.8
508.2	ND	0.4	2.2	0.4	ND	NA	ND	ND	ND	ND	5.4	ND	ND	ND	ND	0.9
508.3	ND	ND	1.9	ND	ND	NA	ND	1.6	ND	ND	3.3	ND	ND	ND	1.6	1.4
508.4	ND	ND	0.6	ND	ND	NA	ND	ND	ND	ND	1.6	ND	ND	ND	0.3	0.4
508.5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND
508.6	ND	0.9	ND	0.4	ND	NA	ND	2.6	ND	0.7	8.7	ND	ND	ND	1.3	2.2
508.7	ND	ND	ND	ND	ND	NA	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND
509.0	ND	0.8	ND	ND	ND	NA	ND	ND	ND	ND	0.8	ND	ND	ND	0.5	0.8

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
553.0	Marina Del Rey/Entrance	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
553.0	NA	NA	ND	NA	NA	NA	NA	NA	2.1	NA	NA	NA	NA	2.9	NA	NA
554.0	NA	NA	ND	NA	NA	NA	NA	NA	8.2	NA	NA	NA	NA	19.0	NA	NA
554.0	NA	NA	3.6	NA	NA	NA	NA	NA	12.0	NA	NA	NA	NA	23.0	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	NA	4.8	NA	NA	NA	NA	12.0	NA	NA
555.0	NA	NA	5.2	NA	NA	NA	NA	NA	13.0	NA	NA	NA	NA	39.0	NA	NA
555.2	NA	NA	6.8	NA	NA	NA	NA	NA	10.0	NA	NA	NA	NA	27.0	NA	NA
556.0	NA	NA	4.6	NA	NA	NA	NA	NA	5.1	NA	NA	NA	NA	25.0	NA	NA
556.0	NA	NA	8.0	NA	NA	NA	NA	NA	19.0	NA	NA	NA	NA	57.0	NA	NA
557.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
559.0	NA	NA	10.0	NA	NA	NA	NA	NA	10.0	NA	NA	NA	NA	22.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
553.0	NA	8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.0
554.0	NA	32.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
554.0	NA	29.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.0
555.0	NA	22.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
555.0	NA	40.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.0
555.2	NA	35.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	34.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	66.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140.0
557.0	NA	8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
559.0	NA	36.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
601.0	LA Harbor/National Steel	TCM	12/28/87	NA	NA	NA	19.0	NA	NA	50.0	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	ND	NA	NA	28.0	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	23.9	ND	ND	NA	40.7	14.2	74.3	ND	10.6	15.0
602.0	LA Harbor/West Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	ND	ND	ND	NA	4.3	2.2	8.6	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
601.0	NA	NA	210.0	NA	NA	NA	NA	NA	76.0	NA	NA	NA	NA	130.0	NA	NA
601.0	NA	NA	120.0	NA	NA	NA	NA	NA	79.0	NA	NA	NA	NA	130.0	NA	NA
601.0	22.1	1.8	132.7	3.5	69.0	87.6	ND	106.2	123.9	23.0	4.4	81.4	159.3	212.4	75.2	39.8
602.0	NA	NA	5.5	NA	NA	NA	NA	NA	8.1	NA	NA	NA	NA	18.0	NA	NA
602.5	NA	NA	11.0	NA	NA	NA	NA	NA	14.0	NA	NA	NA	NA	41.0	NA	NA
602.5	NA	NA	4.9	NA	NA	NA	NA	NA	5.7	NA	NA	NA	NA	31.0	NA	NA
602.5	ND	ND	11.5	ND	ND	6.5	ND	18.0	22.3	2.9	ND	15.8	33.8	56.1	28.8	6.5
602.7	NA	NA	14.0	NA	NA	NA	NA	NA	16.0	NA	NA	NA	NA	48.0	NA	NA
603.0	NA	NA	6.9	NA	NA	NA	NA	NA	9.7	NA	NA	NA	NA	22.0	NA	NA
603.0	NA	NA	7.3	NA	NA	NA	NA	NA	15.0	NA	NA	NA	NA	38.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
601.0	NA	120.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	120.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200.0
601.0	5.3	318.6	11.5	159.3	77.0	NA	1.8	18.6	150.4	97.3	106.2	22.1	1.8	69.0	115.0	318.6
602.0	NA	14.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	28.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	13.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0
602.5	ND	107.9	1.4	29.5	15.1	NA	1.4	18.0	79.1	48.2	86.3	8.6	ND	35.3	64.0	158.3
602.7	NA	37.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	26.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	26.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110.0

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	4.8	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	NA	NA	NA	ND	NA	NA	4.0	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	NA	NA	NA	ND	NA	NA	2.7	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	ND	NA	4.3	2.2	7.6	ND	ND	ND
662.0	Royal Palms	RCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
603.6	NA	NA	9.3	NA	NA	NA	NA	NA	6.4	NA	NA	NA	NA	16.0	NA	NA
603.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	7.6	NA	NA
605.0	NA	NA	ND	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	9.5	NA	NA
606.2	NA	NA	18.0	NA	NA	NA	NA	NA	18.0	NA	NA	NA	NA	33.0	NA	NA
606.3	NA	NA	7.9	NA	NA	NA	NA	NA	9.5	NA	NA	NA	NA	20.0	NA	NA
609.0	NA	NA	8.5	NA	NA	NA	NA	NA	5.6	NA	NA	NA	NA	10.0	NA	NA
616.0	NA	NA	13.0	NA	NA	NA	NA	NA	7.0	NA	NA	NA	NA	20.0	NA	NA
616.0	NA	NA	20.0	NA	NA	NA	NA	NA	19.0	NA	NA	NA	NA	44.0	NA	NA
616.0	ND	ND	18.5	ND	ND	6.5	8.7	15.2	19.6	8.7	ND	12.0	27.2	40.2	19.6	5.4
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
603.6	NA	16.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	NA	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
605.0	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.0
606.2	NA	41.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	21.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	NA	12.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	42.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110.0
616.0	ND	69.6	ND	25.0	14.1	NA	ND	6.5	35.9	21.7	30.4	5.4	ND	15.2	27.2	82.6
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
662.0	Royal Palms	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	ND	NA	1.2	ND	2.5	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	ND	NA	2.7	ND	1.1	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	ND	NA	3.6	ND	3.0	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
662.0	ND	ND	ND	ND	ND	ND	ND	1.2	2.4	ND	ND	ND	1.8	1.8	24.4	ND
707.0	NA	NA	5.1	NA	NA	NA	NA	NA	3.0	NA	NA	NA	NA	7.4	NA	NA
707.0	NA	NA	4.1	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	5.5	NA	NA
707.0	ND	ND	5.6	ND	ND	2.5	ND	5.6	7.4	1.2	ND	6.2	11.7	14.8	29.6	1.9
708.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	4.8	NA	NA
708.0	ND	ND	33.2	ND	ND	23.5	ND	33.2	11.8	ND	ND	12.8	21.4	11.8	61.5	9.6
710.2	NA	NA	5.6	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	8.9	NA	NA
710.2	NA	NA	4.8	NA	NA	NA	NA	NA	4.2	NA	NA	NA	NA	12.0	NA	NA
710.2	ND	ND	ND	ND	8.9	2.4	3.6	8.3	11.3	8.3	ND	8.9	17.3	22.0	41.7	3.0

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3
662.0	ND	6.5	ND	3.6	2.4	NA	ND	28.0	ND	1.2	38.7	ND	ND	1.2	5.4	10.7
707.0	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
707.0	NA	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.0
707.0	ND	25.3	ND	10.5	6.2	NA	ND	19.1	ND	6.8	34.0	1.9	ND	6.2	14.2	29.0
708.0	NA	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
708.0	ND	35.8	ND	49.7	26.2	NA	15.0	16.0	ND	42.8	42.8	3.7	ND	20.3	27.8	40.6
710.2	NA	13.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
710.2	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.0
710.2	ND	38.1	ND	15.5	8.3	NA	ND	20.2	ND	11.3	41.1	3.6	ND	10.1	21.4	45.2

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ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	ND	NA	ND	ND	1.5	ND	ND	ND
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	NA	ND	ND	5.1	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
713.0	NA	NA	7.6	NA	NA	NA	NA	NA	6.7	NA	NA	NA	NA	11.0	NA	NA
713.0	ND	ND	4.5	ND	ND	ND	ND	5.2	8.2	ND	ND	6.7	11.9	13.4	ND	2.2
715.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	5.0	NA	NA
715.0	NA	NA	6.0	NA	NA	NA	NA	NA	4.4	NA	NA	NA	NA	13.0	NA	NA
715.0	ND	ND	ND	ND	ND	2.4	11.4	7.3	8.9	ND	ND	7.3	15.4	19.5	13.0	2.4
717.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	5.2	NA	NA
717.0	NA	NA	5.2	NA	NA	NA	NA	NA	4.1	NA	NA	NA	NA	11.0	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.2	NA	NA
721.0	ND	ND	1.9	ND	ND	1.3	ND	2.5	3.8	ND	ND	2.5	5.7	7.6	18.4	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
713.0	NA	19.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	19.4	ND	9.0	2.2	NA	ND	5.2	18.7	6.0	12.7	3.0	ND	6.0	11.9	20.1
715.0	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
715.0	NA	24.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.0
715.0	ND	42.3	ND	14.6	8.1	NA	ND	7.3	26.8	12.2	21.1	2.4	ND	8.9	24.4	64.2
717.0	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
717.0	NA	18.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.0
721.0	NA	6.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
721.0	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.6
721.0	ND	14.6	ND	5.1	3.2	NA	ND	35.4	ND	4.4	13.9	1.3	ND	4.4	9.5	18.4

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
723.0	Newport Bay/Bay Island	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	ND	NA	1.3	ND	2.0	ND	ND	ND
723.4	Newport Bay/Turning Basin	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	ND	NA	ND	ND	2.5	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	ND	NA	NA	5.7	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	ND	NA	NA	4.0	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
723.0	NA	NA	4.1	NA	NA	NA	NA	NA	4.0	NA	NA	NA	NA	7.2	NA	NA
723.0	ND	ND	6.5	ND	ND	3.3	ND	8.5	9.2	2.0	ND	9.8	18.3	24.2	35.3	2.6
723.4	NA	NA	7.2	NA	NA	NA	NA	NA	8.0	NA	NA	NA	NA	15.0	NA	NA
723.4	NA	NA	ND	NA	NA	NA	NA	NA	2.1	NA	NA	NA	NA	7.3	NA	NA
723.4	ND	ND	8.4	ND	ND	ND	ND	10.1	11.8	6.7	1.7	11.8	21.8	29.4	15.1	3.4
724.0	NA	NA	5.3	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	11.0	NA	NA
724.0	NA	NA	3.3	NA	NA	NA	NA	NA	3.4	NA	NA	NA	NA	12.0	NA	NA
724.0	ND	ND	4.1	ND	ND	2.1	ND	5.5	6.9	ND	ND	6.9	12.4	17.2	20.7	2.1
725.0	NA	NA	40.0	NA	NA	NA	NA	NA	35.0	NA	NA	NA	NA	80.0	NA	NA
725.0	NA	NA	28.0	NA	NA	NA	NA	NA	38.0	NA	NA	NA	NA	93.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
723.0	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.0	ND	39.9	ND	15.0	9.8	NA	ND	13.1	ND	9.8	24.2	2.6	ND	9.2	21.6	43.8
723.4	NA	25.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.4	NA	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.0
723.4	ND	47.1	ND	17.6	10.9	NA	1.7	8.4	26.9	11.8	16.0	3.4	ND	10.9	26.9	52.1
724.0	NA	18.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
724.0	NA	8.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.0
724.0	ND	31.7	ND	11.0	6.9	NA	ND	13.1	21.4	9.7	22.8	2.1	ND	9.0	20.0	40.7
725.0	NA	160.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	110.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150.0

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	ND	NA	18.7	8.6	30.5	ND	ND	4.7
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	ND	NA	NA	4.3	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	ND	NA	NA	4.7	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	ND	NA	35.0	12.0	49.6	ND	ND	5.1
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
725.0	4.7	15.6	93.7	ND	ND	53.9	ND	101.6	93.7	13.3	3.1	117.2	218.7	234.4	78.1	38.3
726.0	NA	NA	25.0	NA	NA	NA	NA	NA	28.0	NA	NA	NA	NA	54.0	NA	NA
726.0	NA	NA	50.0	NA	NA	NA	NA	NA	76.0	NA	NA	NA	NA	170.0	NA	NA
726.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.6	NA	NA
726.4	NA	NA	8.9	NA	NA	NA	NA	NA	7.9	NA	NA	NA	NA	14.0	NA	NA
726.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	2.9	NA	NA
726.4	5.1	1.7	179.5	ND	ND	94.0	ND	136.8	179.5	8.5	3.4	196.6	350.4	384.6	53.8	71.8
728.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	4.8	NA	NA
728.4	ND	ND	1.7	ND	ND	ND	ND	1.7	6.7	ND	ND	1.7	4.2	5.0	ND	ND
728.5	ND	ND	1.5	ND	ND	ND	ND	2.3	6.9	ND	ND	2.3	3.1	4.6	3.1	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
725.0	10.2	375.0	12.5	195.3	125.0	NA	2.3	25.0	156.2	78.1	57.0	31.2	1.6	93.7	195.3	328.1
726.0	NA	100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.0	NA	250.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230.0
726.2	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6
726.4	NA	17.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3
726.4	20.5	615.4	34.2	341.9	205.1	NA	1.7	42.7	230.8	136.8	54.7	55.6	4.3	145.3	282.1	461.5
728.4	NA	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.0
728.4	ND	10.9	3.4	4.2	ND	NA	ND	ND	ND	4.2	10.1	ND	1.7	4.2	9.2	12.6
728.5	ND	9.2	ND	3.8	ND	NA	ND	ND	6.1	3.1	8.4	2.3	2.3	2.3	6.9	10.7

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
728.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	5.4	NA	NA
728.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
728.9	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
728.6	NA	15.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
728.8	NA	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
728.9	ND	2.9	ND	ND	ND	NA	ND	ND	ND	ND	2.9	ND	ND	ND	4.8	3.8
744.2	ND	2.0	ND	ND	ND	NA	ND	ND	ND	ND	4.5	ND	ND	ND	2.0	3.0
744.3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.2
744.3	ND	ND	ND	ND	ND	NA	ND	2.1	ND	ND	2.6	ND	ND	ND	ND	1.1
744.4	ND	2.0	ND	ND	ND	NA	ND	ND	ND	ND	6.5	ND	ND	ND	2.0	3.0
744.4	ND	ND	ND	ND	ND	NA	ND	1.5	ND	ND	3.4	ND	ND	ND	1.0	1.0
744.5	ND	2.8	ND	ND	ND	NA	ND	ND	ND	7.9	4.7	ND	ND	ND	1.9	3.3
744.5	ND	1.0	ND	1.0	ND	NA	ND	1.5	ND	ND	3.4	ND	ND	ND	ND	1.0

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APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
750.0	Oceanside	RCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	SED	09/01/89	1.1	ND	ND	NA	4.3	0.8	6.2	ND	ND	0.8
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	NA	2.2	ND	3.6	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	1.6	ND	9.5	ND	5.1	5.9	0.3	2.5	3.2	ND	ND	3.3	5.4	5.6	0.8	1.3
868.5	ND	ND	17.3	ND	ND	ND	ND	3.6	4.3	ND	ND	3.6	6.5	7.9	ND	1.4
882.7	NA	NA	11.0	NA	NA	NA	NA	NA	16.0	NA	NA	NA	NA	32.0	NA	NA
882.7	NA	NA	9.3	NA	NA	NA	NA	NA	26.0	NA	NA	NA	NA	57.0	NA	NA
882.8	NA	NA	ND	NA	NA	NA	NA	NA	5.2	NA	NA	NA	NA	17.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
744.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	5.5	ND	ND	ND	1.8	2.7
744.6	ND	1.1	ND	1.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1
750.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	1.7	ND	ND	ND	NA	ND	13.9	ND	ND	ND	ND	ND	ND	2.6	2.6
865.0	ND	2.9	ND	ND	ND	NA	ND	3.6	ND	ND	ND	ND	ND	ND	2.9	2.9
868.5	0.3	5.1	0.5	5.1	2.7	NA	ND	ND	0.6	0.6	ND	ND	ND	0.6	0.8	1.6
868.5	ND	15.8	ND	7.2	5.0	NA	ND	5.0	7.9	3.6	1.4	ND	ND	3.6	10.1	16.5
882.7	NA	34.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.7	NA	56.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140.0
882.8	NA	20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100.0

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	ND	NA	NA	4.4	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	28.0	NA	NA	140.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	18.0	NA	NA	300.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	12.5	9.0	ND	NA	131.9	62.5	187.5	ND	ND	104.2

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
882.9	NA	NA	3.7	NA	NA	NA	NA	NA	5.8	NA	NA	NA	NA	21.0	NA	NA
883.1	NA	NA	ND	NA	NA	NA	NA	NA	3.7	NA	NA	NA	NA	6.2	NA	NA
883.6	NA	NA	17.0	NA	NA	NA	NA	NA	15.0	NA	NA	NA	NA	24.0	NA	NA
883.6	NA	NA	5.0	NA	NA	NA	NA	NA	16.0	NA	NA	NA	NA	43.0	NA	NA
885.2	NA	NA	ND	NA	NA	NA	NA	NA	3.4	NA	NA	NA	NA	5.3	NA	NA
885.4	NA	NA	ND	NA	NA	NA	NA	NA	3.3	NA	NA	NA	NA	6.3	NA	NA
886.2	NA	NA	5.7	NA	NA	NA	NA	NA	10.0	NA	NA	NA	NA	19.0	NA	NA
894.0	NA	NA	370.0	NA	NA	NA	NA	NA	360.0	NA	NA	NA	NA	470.0	NA	NA
894.0	NA	NA	600.0	NA	NA	NA	NA	NA	580.0	NA	NA	NA	NA	950.0	NA	NA
894.0	118.1	16.7	395.8	4.9	236.1	256.9	ND	305.6	347.2	34.0	18.7	333.3	652.8	756.9	166.7	111.1

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
882.9	NA	23.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	95.0
883.1	NA	11.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76.0
883.6	NA	28.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
883.6	NA	37.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0
885.2	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60.0
885.4	NA	9.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68.0
886.2	NA	32.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.0
894.0	NA	710.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	880.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	680.0
894.0	25.7	861.1	61.1	534.7	256.9	NA	4.2	35.4	319.4	208.3	90.3	69.4	7.6	180.6	319.4	555.6

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX W (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	ND	NA	NA	4.4	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	ND	NA	NA	38.0	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	3.0	NA	NA	150.0	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	ND	NA	NA	3.6	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	ND	NA	NA	5.5	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	4.6	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
894.1	NA	NA	41.0	NA	NA	NA	NA	NA	49.0	NA	NA	NA	NA	110.0	NA	NA
894.2	NA	NA	170.0	NA	NA	NA	NA	NA	140.0	NA	NA	NA	NA	300.0	NA	NA
894.3	NA	NA	500.0	NA	NA	NA	NA	NA	360.0	NA	NA	NA	NA	690.0	NA	NA
894.8	NA	NA	23.0	NA	NA	NA	NA	NA	39.0	NA	NA	NA	NA	74.0	NA	NA
897.5	NA	NA	22.0	NA	NA	NA	NA	NA	28.0	NA	NA	NA	NA	52.0	NA	NA
898.0	NA	NA	35.0	NA	NA	NA	NA	NA	82.0	NA	NA	NA	NA	140.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
894.1	NA	130.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190.0
894.2	NA	350.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	330.0
894.3	NA	720.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	570.0
894.8	NA	76.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	130.0
897.5	NA	110.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	240.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	300.0

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X

Summary of 1987-93 Data

PCB Congeners 105 - 207 in Mussels, Clams, and Sediment

(ppb, dry weight)

APPENDIX X

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	52.3	ND	47.7	ND	NA	ND	ND	ND	21.9
3.0	Crescent City/Control	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	11.8
10.0	Trinidad Head	RCM	09/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	12.8
100.0	Mad River Slough	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	ND	ND	78.1	ND	ND	4.7	31.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.9	ND
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
100.0	Mad River Slough	TCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	14.0
104.5	Eureka STP/Control	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	14.9
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	3.6	ND	7.3	ND	NA	ND	1.8	ND	2.7
190.0	Estero Americano	RCM	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	10.1
202.0	Bodega Head	RCM	08/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	ND	ND	53.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND
104.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.0	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	40.0	ND	5.5	ND	2.7	3.6	ND	19.1	1.8	ND	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	18.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
104.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
202.0	Bodega Head	RCM	08/24/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	1.3	ND	NA	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	ND	15.3	ND	NA	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	NA	NA	NA	2.5	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	2.1	7.4	ND	12.6	ND	NA	2.1	ND	ND	10.5
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	1.6	4.9	ND	9.8	ND	NA	ND	ND	ND	9.0
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	5.7	ND	10.2	ND	NA	ND	ND	ND	9.1
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	1.8	6.3	ND	12.5	ND	NA	ND	2.7	ND	8.9
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	3.1	ND	6.2	ND	NA	ND	ND	ND	2.3

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	ND	ND	10.5	ND	6.3	8.4	2.1	44.2	3.2	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	ND	9.0	ND	3.3	6.6	2.5	41.8	3.3	ND	1.6	ND	ND	ND	ND	1.6	ND
295.3	ND	ND	11.4	ND	3.4	6.8	2.3	48.9	3.4	ND	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	12.5	ND	6.3	8.9	3.6	52.7	4.5	ND	1.8	ND	ND	ND	ND	1.8	ND
295.5	ND	ND	3.8	ND	3.1	3.1	1.5	19.2	1.5	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	4.2	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	4.1	1.6	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	4.5	ND	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.4	4.5	1.8	ND	5.4	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND
295.5	2.3	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	8.3	NA	NA	NA	5.8	NA	NA	ND	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	NA	NA	NA	3.6	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	ND	NA	NA	NA	5.1	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	5.6	ND	5.6	ND	NA	2.2	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	ND	NA	NA	NA	13.0	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	15.0	NA	NA	NA	42.0	NA	NA	6.3	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
297.0	ND	ND	ND	ND	ND	19.4	ND	50.8	ND	ND	ND	ND	ND	ND	8.1	ND	ND
298.0	NA	NA	15.0	NA	NA	NA	NA	43.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
298.0	NA	NA	130.0	NA	NA	NA	NA	ND	NA	NA	5.3	NA	NA	NA	NA	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	13.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	20.0	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	6.4	NA	NA	NA	NA	11.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	6.1	NA	NA	NA	NA	8.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	3.3	ND	11.1	ND	4.4	12.2	ND	35.6	3.3	ND	ND	3.3	3.3	ND	ND	2.2	ND
302.4	NA	NA	14.0	NA	NA	NA	NA	20.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.2	NA	NA	40.0	NA	NA	NA	NA	40.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
297.0	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.0	7.4	NA	NA	11.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
298.0	29.0	NA	NA	95.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
298.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	2.1	NA	NA	8.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	ND	NA	NA	2.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	2.2	2.2	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
302.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.2	ND	NA	NA	7.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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SED = Sediment

NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
303.3	Lauritzen Canal/End	TCM	01/14/88	26.0	NA	NA	NA	47.0	NA	NA	7.0	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	16.0	NA	NA	NA	34.0	NA	NA	5.7	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	NA	NA	NA	4.6	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	NA	NA	NA	6.7	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	NA	NA	NA	5.5	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	8.3	53.1	ND	51.7	ND	NA	43.4	ND	ND	29.7
307.2	Alameda Yacht Harbor	TCM	01/14/88	16.0	NA	NA	NA	38.0	NA	NA	7.7	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	NA	NA	NA	2.7	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	ND	NA	NA	NA	41.0	NA	NA	4.0	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
303.3	NA	NA	ND	NA	NA	NA	NA	43.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	32.0	NA	NA	NA	NA	27.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	50.0	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
306.5	NA	NA	28.0	NA	NA	NA	NA	22.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	17.0	NA	NA	NA	NA	24.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	24.0	NA	NA	NA	NA	27.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	2.8	ND	82.8	ND	22.1	48.3	32.4	131.0	55.9	14.5	54.5	ND	ND	ND	11.7	21.4	ND
307.2	NA	NA	6.5	NA	NA	NA	NA	72.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.2	NA	NA	57.0	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.4	NA	NA	95.0	NA	NA	NA	NA	150.0	NA	NA	7.5	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
303.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	4.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	25.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
306.5	ND	NA	NA	3.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	ND	NA	NA	6.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.0	2.5	NA	NA	4.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	62.8	17.2	ND	29.0	ND	ND	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
307.2	12.0	NA	NA	19.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.2	8.6	NA	NA	27.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.4	32.0	NA	NA	40.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TFC = Transplanted Fresh Water Claml
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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	4.5	NA	NA	NA	75.0	NA	NA	2.2	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	29.0	NA	NA	NA	47.0	NA	NA	7.4	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	NA	NA	NA	8.5	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	16.0	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	NA	NA	NA	ND	NA	NA	14.0	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	6.5	NA	NA	NA	67.0	NA	NA	12.0	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	NA	NA	NA	16.0	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	NA	NA	NA	4.7	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	NA	NA	NA	4.8	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	51.4	1.4	11.4	ND	11.4	ND	NA	4.3	2.9	ND	7.9

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
307.4	NA	NA	130.0	NA	NA	NA	NA	230.0	NA	NA	5.9	NA	NA	NA	NA	NA	NA
307.6	NA	NA	82.0	NA	NA	NA	NA	97.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.8	NA	NA	31.0	NA	NA	NA	NA	31.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.9	NA	NA	31.0	NA	NA	NA	NA	37.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
308.2	NA	NA	240.0	NA	NA	NA	NA	370.0	NA	NA	9.2	NA	NA	NA	NA	NA	NA
308.2	NA	NA	300.0	NA	NA	NA	NA	400.0	NA	NA	9.0	NA	NA	NA	NA	NA	NA
321.0	NA	NA	50.0	NA	NA	NA	NA	73.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
321.0	NA	NA	15.0	NA	NA	NA	NA	23.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	NA	NA	8.0	NA	NA	NA	NA	7.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	5.0	ND	15.7	ND	ND	17.1	30.0	6.4	5.0	ND	ND	ND	ND	ND	1.4	2.9	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
307.4	35.0	NA	NA	41.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.6	15.0	NA	NA	26.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.8	2.4	NA	NA	3.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.9	6.6	NA	NA	12.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	48.0	NA	NA	97.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	60.0	NA	NA	120.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	4.1	NA	NA	9.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	2.2	NA	NA	4.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	ND	NA	NA	2.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	3.6	2.9	ND	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
399.2	Pescadero Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	7.0	ND	11.4	ND	NA	2.6	2.6	ND	5.3
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	NA	NA	NA	2.9	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	ND	NA	NA	NA	4.5	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
400.8	ND	ND	13.2	ND	6.1	9.6	16.7	61.4	5.3	2.6	2.6	ND	ND	ND	ND	1.8	ND
401.3	NA	NA	3.6	NA	NA	NA	NA	3.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	4.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	4.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	14.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
400.8	6.1	1.8	ND	7.0	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND
401.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
401.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
402.2	Parson's Slough	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	ND	NA	NA	NA	4.1	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	NA	NA	NA	4.3	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	ND	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	ND	NA	NA	NA	25.0	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	ND	NA	NA	NA	6.1	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	ND	NA	NA	NA	6.7	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.2	NA	NA	4.7	NA	NA	NA	NA	5.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.6	NA	NA	4.5	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	22.0	NA	NA	NA	NA	24.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	43.0	NA	NA	NA	NA	49.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	11.0	NA	NA	NA	NA	9.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	17.0	NA	NA	NA	NA	11.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
402.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	5.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	6.6	NA	NA	12.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
404.0	Sandholdt Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	7.9	2.4	11.0	ND	9.8	ND	NA	3.0	1.8	ND	4.3
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	NA	NA	NA	30.0	NA	NA	5.9	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	ND	NA	NA	NA	29.0	NA	NA	4.6	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	39.1	ND	NA	ND	ND	ND	15.2
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	NA	NA	NA	22.0	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
404.0	NA	NA	8.4	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	ND	ND	7.3	ND	3.0	6.1	4.9	11.0	2.4	ND	ND	ND	ND	ND	ND	ND	ND
408.9	NA	NA	65.0	NA	NA	NA	NA	67.0	NA	NA	4.9	NA	NA	NA	NA	NA	NA
409.0	NA	NA	53.0	NA	NA	NA	NA	47.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	ND	ND	60.9	ND	ND	ND	24.5	19.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	20.0	NA	NA	NA	NA	29.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
404.0	ND	NA	NA	3.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
404.0	1.2	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
408.9	16.0	NA	NA	13.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
409.0	10.0	NA	NA	9.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	ND	NA	NA	4.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
425.6	Lake San Antonio	RFC	09/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	1.3
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	ND	1.5	ND	NA	ND	ND	ND	1.0
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	ND	1.1	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	1.0	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
430.0	Montana De Oro	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	1.6
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	ND	1.2	ND	NA	ND	ND	ND	3.5
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
434.0	Diablo Cove/South	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	ND	3.9	ND	NA	ND	ND	ND	3.9
435.0	Intake Cove	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	ND	2.5	ND	NA	ND	ND	ND	3.7
436.0	Pecho Rock	RCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
436.0	Pecho Rock	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	1.6	ND	6.0	ND	NA	1.1	ND	ND	2.7
437.0	Point San Luis	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	ND	3.4	ND	NA	ND	ND	ND	4.0
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
436.0	NA	NA	3.1	NA	NA	NA	NA	2.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	3.8	ND	1.1	1.1	ND	12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	1.1	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel

TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment

NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	ND	2.2	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	ND	NA	NA	NA	4.1	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	ND	2.3	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	ND	4.3	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
445.0	San Luis Harbor/Transplant	TCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	1.8	ND	0.9	ND	NA	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	2.0	13.8	ND	16.3	ND	NA	2.0	ND	ND	5.9
455.0	Gaviota	RCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	ND	NA	NA	NA	2.4	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	SED	09/03/89	ND	2.6	21.4	ND	18.6	6.5	NA	ND	7.1	ND	7.3

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	4.3	NA	NA	NA	NA	5.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	ND	ND	0.9	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	ND	ND	8.4	ND	2.5	6.4	3.4	29.1	ND	1.0	ND	ND	ND	ND	ND	ND	ND
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
460.0	NA	NA	3.6	NA	NA	NA	NA	2.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
460.0	1.1	ND	5.0	1.3	32.4	13.6	9.9	23.8	2.2	0.4	20.1	21.6	ND	7.1	28.1	19.7	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	1.0	ND	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
460.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
460.0	ND	16.6	11.7	5.4	ND	ND	ND	4.5	3.2	6.3	ND	ND	ND	5.8	ND	ND	ND

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
460.1	Goleta Slough 2	SED	09/03/89	ND	ND	16.6	ND	14.4	ND	NA	15.5	ND	ND	7.4
475.0	Carpinteria Marsh	TCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
485.0	Ventura Marina	TCM	01/25/88	ND	NA	NA	NA	32.0	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	50.0	NA	NA	NA	150.0	NA	NA	24.0	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	8.8	NA	NA	NA	5.7	NA	NA	5.0	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	13.0	NA	NA	NA	77.0	NA	NA	7.8	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	21.0	NA	NA	NA	76.0	NA	NA	8.5	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	NA	NA	NA	150.0	NA	NA	8.7	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	NA	NA	NA	4.7	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	SED	09/03/89	1.3	ND	1.6	ND	ND	ND	NA	0.5	0.8	ND	1.6

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
460.1	ND	ND	24.1	ND	ND	2.4	ND	ND	ND	ND	19.3	ND	ND	ND	ND	7.0	ND
475.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
485.0	NA	NA	17.0	NA	NA	NA	NA	21.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.1	NA	NA	200.0	NA	NA	NA	NA	210.0	NA	NA	6.8	NA	NA	NA	NA	NA	NA
506.1	NA	NA	140.0	NA	NA	NA	NA	ND	NA	NA	2.2	NA	NA	NA	NA	NA	NA
506.2	NA	NA	90.0	NA	NA	NA	NA	96.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.2	NA	NA	73.0	NA	NA	NA	NA	95.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.3	NA	NA	140.0	NA	NA	NA	NA	180.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.3	NA	NA	24.0	NA	NA	NA	NA	19.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.3	ND	ND	1.9	0.6	0.6	4.3	1.9	5.1	1.3	0.3	1.9	ND	ND	1.3	ND	1.0	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
460.1	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
475.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
485.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	32.0	NA	NA	49.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	19.0	NA	NA	32.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.2	12.0	NA	NA	29.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.2	4.4	NA	NA	8.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.3	11.0	NA	NA	20.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
507.3	4.3	NA	NA	9.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
507.3	3.0	0.5	0.3	1.9	ND	ND	ND	0.6	ND	0.8	ND	ND	ND	1.0	ND	0.5	ND

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
507.8	Revolon Slough	TFC	03/14/88	ND	NA	NA	NA	49.0	NA	NA	28.0	NA	NA	NA
507.8	Revolon Slough	SED	09/03/89	ND	ND	2.2	ND	ND	ND	NA	ND	ND	ND	ND
508.1	Mugu Drainage 1	SED	09/03/89	ND	ND	0.8	ND	ND	ND	NA	ND	0.4	ND	0.8
508.2	Mugu Drainage 2	SED	09/03/89	ND	ND	1.3	ND	ND	ND	NA	6.9	ND	1.1	ND
508.3	Mugu Drainage 3	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
508.4	Mugu Drainage 4	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.3
508.5	Mugu Drainage 5	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
508.6	Mugu Drainage 6	SED	09/03/89	ND	ND	3.3	ND	0.9	ND	NA	3.0	ND	0.7	2.0
508.7	Mugu Drainage 7	SED	09/03/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
509.0	Calleguas	SED	09/03/89	0.5	ND	1.0	ND	ND	ND	NA	ND	0.8	ND	1.3

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
507.8	NA	NA	ND	NA	NA	NA	NA	210.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.8	ND	ND	ND	ND	ND	0.6	2.4	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND
508.1	ND	ND	1.0	ND	ND	2.0	0.8	3.4	0.8	ND	0.8	ND	ND	0.8	ND	0.4	ND
508.2	ND	ND	0.4	ND	2.4	ND	3.1	ND	ND	ND	0.5	1.1	ND	ND	ND	ND	ND
508.3	ND	ND	ND	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND
508.4	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.5	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.6	ND	ND	0.4	ND	1.3	0.9	3.0	2.0	1.3	ND	ND	ND	ND	ND	ND	ND	ND
508.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
509.0	ND	ND	1.5	0.5	0.5	3.3	1.3	4.6	1.0	ND	1.8	ND	ND	0.8	ND	0.8	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
507.8	10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
507.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
508.1	1.6	ND	ND	1.0	ND	ND	ND	0.4	ND	0.4	ND	ND	ND	0.6	ND	1.2	ND
508.2	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND
508.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND
508.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND
508.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND
508.6	0.4	ND	ND	0.4	ND	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	1.7	ND
508.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4	ND
509.0	2.8	0.5	ND	1.5	ND	ND	ND	0.8	ND	0.8	ND	ND	ND	0.8	ND	0.5	ND

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
553.0	Marina Del Rey/Entrance	TCM	12/19/88	3.2	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	7.1	NA	NA	NA	35.0	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	17.0	NA	NA	NA	57.0	NA	NA	6.0	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	NA	NA	NA	47.0	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	17.0	NA	NA	NA	81.0	NA	NA	5.2	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	12.0	NA	NA	NA	56.0	NA	NA	4.1	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	NA	NA	NA	57.0	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	19.0	NA	NA	NA	110.0	NA	NA	2.1	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	5.3	NA	NA	NA	5.6	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	28.0	NA	NA	NA	58.0	NA	NA	7.8	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
553.0	NA	NA	22.0	NA	NA	NA	NA	20.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
554.0	NA	NA	32.0	NA	NA	NA	NA	33.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
554.0	NA	NA	62.0	NA	NA	NA	NA	66.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	38.0	NA	NA	NA	NA	40.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.2	NA	NA	45.0	NA	NA	NA	NA	48.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	43.0	NA	NA	NA	NA	51.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	75.0	NA	NA	NA	NA	120.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
557.0	NA	NA	6.0	NA	NA	NA	NA	6.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
559.0	NA	NA	44.0	NA	NA	NA	NA	44.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
553.0	ND	NA	NA	2.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
554.0	ND	NA	NA	6.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
554.0	2.6	NA	NA	5.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.0	ND	NA	NA	6.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
555.0	2.8	NA	NA	5.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.2	ND	NA	NA	8.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	ND	NA	NA	7.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	4.2	NA	NA	6.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
557.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
559.0	ND	NA	NA	8.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
601.0	LA Harbor/National Steel	TCM	12/28/87	23.0	NA	NA	NA	130.0	NA	NA	8.7	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	28.0	NA	NA	NA	150.0	NA	NA	7.0	NA	NA	NA
601.0	LA Harbor/National Steel	RCM	12/22/89	177.0	12.4	185.8	ND	177.0	ND	NA	61.1	37.2	8.8	77.0
602.0	LA Harbor/West Basin	TCM	12/28/87	16.0	NA	NA	NA	39.0	NA	NA	6.3	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	15.0	NA	NA	NA	87.0	NA	NA	7.3	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	ND	NA	NA	NA	86.0	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	86.3	8.6	93.5	12.9	100.7	10.1	NA	29.5	13.7	5.0	33.8
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	5.5	NA	NA	NA	67.0	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	19.0	NA	NA	NA	52.0	NA	NA	5.4	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	13.0	NA	NA	NA	73.0	NA	NA	2.4	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
601.0	NA	NA	110.0	NA	NA	NA	NA	120.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
601.0	NA	NA	140.0	NA	NA	NA	NA	210.0	NA	NA	2.4	NA	NA	NA	NA	NA	NA
601.0	78.8	ND	159.3	ND	41.6	212.4	354.0	309.7	25.7	33.6	7.1	2.7	50.4	ND	13.3	1.8	ND
602.0	NA	NA	34.0	NA	NA	NA	NA	28.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	93.0	NA	NA	NA	NA	100.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	92.0	NA	NA	NA	NA	120.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	39.6	1.4	71.9	ND	ND	79.1	143.9	143.9	21.6	18.7	3.6	ND	2.2	ND	7.2	7.9	ND
602.7	NA	NA	55.0	NA	NA	NA	NA	56.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	47.0	NA	NA	NA	NA	47.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	83.0	NA	NA	NA	NA	90.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
601.0	9.6	NA	NA	27.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
601.0	9.5	NA	NA	31.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
601.0	ND	23.0	ND	56.6	ND	17.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	10.0	NA	NA	20.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	6.9	NA	NA	11.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
602.5	10.8	8.6	ND	19.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.7	4.2	NA	NA	8.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	ND	NA	NA	7.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	2.9	NA	NA	5.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
603.6	LA Harbor/Slip 240	TCM	12/28/87	5.7	NA	NA	NA	27.0	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	ND	NA	NA	NA	9.1	NA	NA	ND	NA	NA	NA
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	5.4	NA	NA	NA	35.0	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	7.7	NA	NA	NA	33.0	NA	NA	ND	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	9.6	NA	NA	NA	20.0	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	NA	NA	NA	14.0	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	NA	NA	NA	25.0	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	6.1	NA	NA	NA	57.0	NA	NA	3.2	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	42.4	3.3	41.3	ND	41.3	ND	NA	10.9	8.7	2.2	25.0
662.0	Royal Palms	RCM	12/28/87	ND	NA	NA	NA	6.2	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
603.6	NA	NA	23.0	NA	NA	NA	NA	24.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.8	NA	NA	8.0	NA	NA	NA	NA	7.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
605.0	NA	NA	29.0	NA	NA	NA	NA	40.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.2	NA	NA	21.0	NA	NA	NA	NA	21.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.3	NA	NA	13.0	NA	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
609.0	NA	NA	9.4	NA	NA	NA	NA	9.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	34.0	NA	NA	NA	NA	52.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	93.0	NA	NA	NA	NA	170.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	23.9	ND	41.3	13.0	10.9	64.1	130.4	96.7	13.0	9.8	3.3	ND	ND	ND	4.3	7.6	ND
662.0	NA	NA	4.5	NA	NA	NA	NA	4.9	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
603.6	ND	NA	NA	4.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
605.0	ND	NA	NA	3.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
606.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
606.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
609.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	6.2	NA	NA	13.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	13.0	NA	NA	33.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
616.0	8.7	7.6	ND	17.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
662.0	Royal Palms	RCM	12/19/88	ND	NA	NA	NA	9.1	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	8.9	ND	10.1	ND	NA	3.0	ND	ND	1.2
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	3.0	NA	NA	NA	21.0	NA	NA	2.3	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	12.3	1.2	19.8	ND	17.9	ND	NA	4.9	ND	ND	5.6
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	4.9	NA	NA	NA	8.6	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	51.3	7.0	50.8	ND	49.2	ND	NA	45.5	ND	ND	18.7
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	ND	NA	NA	NA	18.0	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	2.9	NA	NA	NA	26.0	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	18.5	2.4	28.0	ND	28.0	ND	NA	8.3	2.4	ND	8.9

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
662.0	NA	NA	6.5	NA	NA	NA	NA	4.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
662.0	ND	ND	6.5	ND	1.2	3.6	2.4	18.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
707.0	NA	NA	14.0	NA	NA	NA	NA	17.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	NA	NA	27.0	NA	NA	NA	NA	24.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	ND	ND	12.3	ND	ND	13.0	24.7	25.9	3.1	1.9	ND	ND	ND	ND	ND	1.9	ND
708.0	NA	NA	8.7	NA	NA	NA	NA	7.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
708.0	ND	ND	58.8	ND	15.5	27.8	25.1	80.2	42.8	10.2	ND	ND	ND	ND	9.1	16.0	ND
710.2	NA	NA	18.0	NA	NA	NA	NA	23.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	NA	NA	32.0	NA	NA	NA	NA	42.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	ND	ND	20.2	3.0	6.5	22.0	2.4	41.7	4.8	3.0	ND	ND	ND	ND	1.8	2.4	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
662.0	ND	1.2	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
707.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
707.0	ND	NA	NA	3.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
707.0	1.2	1.2	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
708.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
708.0	46.5	15.0	ND	19.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
710.2	ND	NA	NA	4.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
710.2	ND	NA	NA	3.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
710.2	1.8	1.8	ND	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	7.8	NA	NA	NA	14.0	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	1.5	15.7	ND	14.2	ND	NA	2.2	2.2	ND	4.5
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	3.0	NA	NA	NA	33.0	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	30.9	ND	31.7	ND	35.8	ND	NA	12.2	8.9	ND	15.4
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	NA	NA	NA	13.0	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	3.3	NA	NA	NA	19.0	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	NA	NA	NA	8.6	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	NA	NA	NA	13.0	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	8.9	1.3	15.2	ND	18.4	ND	NA	3.8	ND	ND	4.4

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
713.0	NA	NA	12.0	NA	NA	NA	NA	11.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
713.0	ND	ND	9.0	ND	3.0	9.0	4.5	24.6	2.2	ND	ND	ND	ND	ND	ND	ND	ND
715.0	NA	NA	26.0	NA	NA	NA	NA	32.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	NA	NA	60.0	NA	NA	NA	NA	90.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	23.6	ND	41.5	4.9	9.8	46.3	4.1	100.0	11.4	8.9	ND	ND	ND	ND	3.3	5.7	ND
717.0	NA	NA	19.0	NA	NA	NA	NA	30.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
717.0	NA	NA	35.0	NA	NA	NA	NA	40.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	6.9	NA	NA	NA	NA	8.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	5.6	NA	NA	NA	NA	5.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	ND	ND	10.8	1.3	ND	10.8	22.8	21.5	2.5	ND	ND	ND	ND	ND	ND	1.9	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
713.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
715.0	ND	NA	NA	5.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
715.0	3.8	NA	NA	6.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
715.0	4.9	5.7	ND	14.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
717.0	ND	NA	NA	5.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
717.0	2.1	NA	NA	3.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	1.3	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
723.0	Newport Bay/Bay Island	TCM	12/21/87	5.9	NA	NA	NA	12.0	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	17.0	2.0	31.4	ND	24.8	ND	NA	7.8	3.3	ND	12.4
723.4	Newport Bay/Turning Basin	TCM	12/21/87	11.0	NA	NA	NA	19.0	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	NA	NA	NA	16.0	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	18.5	3.4	28.6	ND	37.0	ND	NA	6.7	ND	ND	16.8
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	NA	NA	NA	21.0	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	3.2	NA	NA	NA	20.0	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	16.6	3.4	26.2	ND	29.0	ND	NA	9.0	3.4	ND	15.9
725.0	Newport Bay/Crows Nest	TCM	12/21/87	47.0	NA	NA	NA	100.0	NA	NA	6.4	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	12.0	NA	NA	NA	ND	NA	NA	2.8	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
723.0	NA	NA	12.0	NA	NA	NA	NA	11.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.0	ND	ND	18.3	ND	5.2	22.2	42.5	41.8	4.6	2.0	ND	ND	ND	ND	1.3	2.6	ND
723.4	NA	NA	15.0	NA	NA	NA	NA	14.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	NA	NA	12.0	NA	NA	NA	NA	14.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	11.8	ND	20.2	ND	5.9	24.4	9.2	47.9	5.0	2.5	ND	ND	ND	ND	1.7	1.7	ND
724.0	NA	NA	25.0	NA	NA	NA	NA	34.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	NA	NA	26.0	NA	NA	NA	NA	25.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	ND	ND	24.1	ND	6.9	23.4	10.3	48.3	4.8	ND	ND	ND	ND	ND	2.1	2.8	ND
725.0	NA	NA	52.0	NA	NA	NA	NA	61.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
725.0	NA	NA	74.0	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
723.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.0	2.0	2.0	ND	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
723.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.4	ND	NA	NA	2.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
723.4	3.4	1.7	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
724.0	ND	NA	NA	5.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
724.0	ND	NA	NA	2.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
724.0	2.8	2.8	ND	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
725.0	5.6	NA	NA	14.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
725.0	4.8	NA	NA	27.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 In Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
725.0	Newport Bay/Crows Nest	TCM	12/27/89	101.6	18.7	179.7	ND	212.5	14.1	NA	30.5	14.1	5.5	41.4
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	27.0	NA	NA	NA	62.0	NA	NA	6.0	NA	NA	NA
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	50.0	NA	NA	NA	180.0	NA	NA	8.9	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	4.8	NA	NA	NA	11.0	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	128.2	28.2	265.0	ND	316.2	24.8	NA	27.4	20.5	9.4	59.0
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	7.9	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	8.4	1.7	11.8	ND	13.4	ND	NA	2.5	ND	ND	5.0
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	5.3	1.5	9.9	ND	8.4	ND	NA	ND	ND	ND	3.1

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
725.0	44.5	ND	78.1	ND	31.2	100.0	187.5	195.3	21.9	17.2	3.9	ND	2.3	ND	7.8	10.2	ND
726.0	NA	NA	34.0	NA	NA	NA	NA	36.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.0	NA	NA	93.0	NA	NA	NA	NA	140.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.2	NA	NA	7.6	NA	NA	NA	NA	7.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	14.0	NA	NA	NA	NA	13.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	5.2	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	60.7	1.7	119.7	ND	44.4	136.8	265.0	239.3	29.1	24.8	5.1	ND	3.4	ND	12.0	12.8	ND
728.4	NA	NA	6.4	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.4	ND	ND	5.0	ND	6.7	6.7	5.0	13.4	ND	1.7	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	4.6	ND	3.1	4.6	3.8	9.9	ND	1.5	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
725.0	10.9	9.4	ND	30.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.0	ND	NA	NA	7.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
726.0	4.9	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.2	ND	NA	NA	2.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	14.5	12.0	ND	37.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	3.8	ND	3.8	ND	NA	1.9	ND	ND	1.9
744.2	San Onofre 2	TCM	11/22/89	ND	ND	1.0	ND	3.0	ND	NA	ND	ND	ND	2.0
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	ND	1.1	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	1.4	ND	2.8	ND	NA	ND	ND	ND	2.8
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
728.6	NA	NA	15.0	NA	NA	NA	NA	15.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.8	NA	NA	5.8	NA	NA	NA	NA	5.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.9	ND	ND	3.8	ND	2.9	2.9	1.9	13.3	1.9	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	1.0	ND	ND	1.5	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	1.1	ND	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	1.5	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	1.9	ND	ND	1.9	ND	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
728.6	4.2	NA	NA	4.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
728.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
728.9	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
744.6	San Onofre 6	TCM	11/22/89	ND	ND	1.4	ND	1.4	ND	NA	ND	ND	ND	1.4
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
750.0	Oceanside	RCM	12/21/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	1.7	ND	5.2	ND	NA	ND	ND	ND	1.7
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	ND	2.2	ND	NA	ND	ND	ND	2.2
868.5	Mission Bay/Landfill 1	SED	09/01/89	0.5	ND	0.8	ND	1.0	ND	NA	ND	ND	ND	0.5
868.5	Mission Bay/Landfill 1	TCM	12/21/89	5.8	ND	6.5	ND	9.4	ND	NA	1.4	ND	ND	3.6
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	22.0	NA	NA	NA	62.0	NA	NA	9.0	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	21.0	NA	NA	NA	104.0	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	12.0	NA	NA	NA	75.0	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
744.6	ND	ND	1.4	ND	ND	1.4	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
750.0	ND	ND	2.6	ND	ND	ND	3.5	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	1.4	ND	ND	1.4	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	0.5	ND	ND	0.6	ND	1.0	0.5	ND	ND	ND	ND	0.3	ND	ND	ND
868.5	2.2	ND	7.9	ND	2.9	7.2	ND	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	NA	NA	66.0	NA	NA	NA	NA	71.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.7	NA	NA	120.0	NA	NA	NA	NA	140.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.8	NA	NA	110.0	NA	NA	NA	NA	120.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
750.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	0.3	ND	ND	0.5	ND	ND	ND	ND	0.3	0.3	ND	ND	ND	0.5	ND	0.3	ND
868.5	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	5.5	NA	NA	13.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
882.7	6.6	NA	NA	14.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
882.8	6.0	NA	NA	12.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	11.0	NA	NA	NA	76.0	NA	NA	3.4	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	5.8	NA	NA	NA	51.0	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	21.0	NA	NA	NA	31.0	NA	NA	4.7	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	18.0	NA	NA	NA	83.0	NA	NA	3.2	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	7.1	NA	NA	NA	40.0	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	4.2	NA	NA	NA	42.0	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	11.0	NA	NA	NA	66.0	NA	NA	2.8	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	160.0	NA	NA	NA	360.0	NA	NA	29.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	200.0	NA	NA	NA	600.0	NA	NA	48.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	250.0	36.1	284.7	76.4	444.4	44.4	NA	54.2	43.7	15.3	90.3

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
882.9	NA	NA	82.0	NA	NA	NA	NA	120.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.1	NA	NA	74.0	NA	NA	NA	NA	70.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.6	NA	NA	31.0	NA	NA	NA	NA	29.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.6	NA	NA	100.0	NA	NA	NA	NA	110.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.2	NA	NA	67.0	NA	NA	NA	NA	92.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.4	NA	NA	74.0	NA	NA	NA	NA	103.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
886.2	NA	NA	71.0	NA	NA	NA	NA	75.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
894.0	NA	NA	210.0	NA	NA	NA	NA	220.0	NA	NA	7.7	NA	NA	NA	NA	NA	NA
894.0	NA	NA	420.0	NA	NA	NA	NA	300.0	NA	NA	15.0	NA	NA	NA	NA	NA	NA
894.0	68.1	5.6	194.4	13.9	61.8	215.3	333.3	395.8	67.4	44.4	18.7	ND	4.9	2.1	20.8	28.5	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
882.9	6.5	NA	NA	10.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.1	4.2	NA	NA	4.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.6	ND	NA	NA	6.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
883.6	5.4	NA	NA	12.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.2	3.9	NA	NA	9.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.4	5.1	NA	NA	14.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
886.2	4.1	NA	NA	6.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	37.0	NA	NA	55.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
894.0	68.0	NA	NA	92.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	41.0	26.4	4.2	63.2	ND	ND	ND	2.1	ND	2.1	ND	ND	ND	ND	ND	ND	ND

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APPENDIX X (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels, Clams, and Sediment (ppb, dry weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	38.0	NA	NA	NA	170.0	NA	NA	11.0	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	78.0	NA	NA	NA	310.0	NA	NA	17.0	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	160.0	NA	NA	NA	240.0	NA	NA	38.0	NA	NA	NA
894.8	Laurel Street Storm Drain	TCM	12/21/88	26.0	NA	NA	NA	99.0	NA	NA	ND	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	65.0	NA	NA	NA	130.0	NA	NA	12.0	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	99.0	NA	NA	NA	290.0	NA	NA	20.0	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
894.1	NA	NA	160.0	NA	NA	NA	NA	190.0	NA	NA	2.0	NA	NA	NA	NA	NA	NA
894.2	NA	NA	210.0	NA	NA	NA	NA	270.0	NA	NA	3.6	NA	NA	NA	NA	NA	NA
894.3	NA	NA	340.0	NA	NA	NA	NA	ND	NA	NA	9.3	NA	NA	NA	NA	NA	NA
894.8	NA	NA	100.0	NA	NA	NA	NA	110.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
897.5	NA	NA	84.0	NA	NA	NA	NA	77.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
898.0	NA	NA	160.0	NA	NA	NA	NA	140.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
894.1	12.0	NA	NA	28.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.2	25.0	NA	NA	52.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.3	50.0	NA	NA	97.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.8	ND	NA	NA	7.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
897.5	4.3	NA	NA	12.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
898.0	6.2	NA	NA	23.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
SED = Sediment
NA = Not Analyzed
ND = Not Detected

APPENDIX Y

Summary of 1987-93 Data

PCB Congeners 5 - 101 in Mussels and Clams

(ppb, lipid weight)

APPENDIX Y

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
2.0	Crescent City/STP Outfall	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
3.0	Crescent City/Control	RCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
10.0	Trinidad Head	RCM	09/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
100.0	Mad River Slough	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
2.0	ND	27.3	ND	ND	ND	NA	ND	100.0	ND	ND	ND	ND	ND	ND	309.1	45.5
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
3.0	ND	ND	ND	ND	ND	NA	ND	175.0	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
10.0	ND	ND	ND	ND	ND	NA	ND	56.2	ND	ND	ND	ND	ND	ND	ND	ND
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel

TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
100.0	Mad River Slough	TCM	02/17/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
104.5	Eureka STP/Control	TCM	02/12/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
190.0	Estero Americano	RCM	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	08/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
100.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	99.8	NA	NA
104.0	ND	ND	ND	ND	ND	477.8	ND	ND	ND	ND	ND	ND	ND	ND	944.4	ND
104.5	NA	NA	ND	NA	NA	NA	NA	NA	200.9	NA	NA	NA	NA	160.8	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	509.1	ND	ND	ND	ND	ND	ND	763.6	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	ND	ND	ND	ND	ND	ND	ND	25.9	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
100.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
104.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	NA	ND	111.1	ND	ND	ND	ND	ND	ND	ND	ND
104.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	NA	ND	90.9	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	ND	43.1	ND	17.2	ND	NA	ND	ND	25.9	ND	25.9	ND	ND	17.2	51.7	43.1
190.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
190.0	ND	ND	ND	ND	ND	NA	ND	250.0	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
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RFC = Resident Fresh Water Clam
NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
202.0	Bodega Head	RCM	08/24/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
202.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	NA	31.4	NA	NA	NA	NA	64.4	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	NA	33.5	NA	NA	NA	NA	ND	NA	NA
295.1	ND	ND	ND	ND	ND	ND	ND	20.4	61.2	71.4	ND	40.8	ND	ND	ND	20.4
295.2	ND	ND	ND	ND	ND	ND	ND	ND	25.0	ND	ND	ND	ND	ND	ND	ND
295.3	ND	ND	ND	ND	ND	ND	ND	ND	29.0	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	ND	ND	ND	ND	ND	ND	34.1	ND	ND	ND	ND	ND	ND	ND
295.5	ND	ND	ND	ND	ND	ND	ND	ND	25.9	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
202.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
202.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	NA	ND	910.9	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	56.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	172.9
295.1	NA	69.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.3
295.1	ND	102.0	ND	40.8	ND	NA	ND	ND	91.8	30.6	40.8	ND	ND	40.8	142.9	102.0
295.2	ND	41.7	ND	ND	ND	NA	ND	ND	25.0	16.7	25.0	ND	ND	25.0	58.3	66.7
295.3	ND	72.5	ND	ND	ND	NA	ND	ND	ND	ND	43.5	ND	ND	43.5	43.5	87.0
295.4	ND	79.5	ND	ND	ND	NA	ND	ND	ND	22.7	68.2	ND	ND	34.1	102.3	102.3
295.5	ND	34.5	ND	ND	ND	NA	ND	ND	ND	ND	25.9	ND	ND	17.2	34.5	34.5

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	NA	NA	NA	ND	NA	NA	93.4	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	NA	NA	NA	70.6	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
297.0	ND	ND	ND	ND	ND	ND	ND	ND	15.7	ND	ND	ND	ND	39.4	ND	ND
298.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
298.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
302.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.0	ND	ND
302.4	NA	NA	106.5	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	143.6	NA	NA
303.2	NA	NA	224.7	NA	NA	NA	NA	NA	224.7	NA	NA	NA	NA	449.4	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
297.0	ND	110.2	ND	ND	ND	NA	ND	ND	ND	ND	370.1	ND	ND	39.4	47.2	165.4
298.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54.7
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
302.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84.0
302.0	ND	172.4	ND	ND	ND	NA	ND	344.8	206.9	69.0	69.0	ND	ND	69.0	172.4	310.3
302.4	NA	167.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.2	NA	505.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
303.3	Lauritzen Canal/End	TCM	01/14/88	NA	NA	NA	ND	NA	NA	122.4	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
307.2	Alameda Yacht Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
303.3	NA	NA	499.4	NA	NA	NA	NA	NA	418.9	NA	NA	NA	NA	596.1	NA	NA
303.6	NA	NA	178.4	NA	NA	NA	NA	NA	204.4	NA	NA	NA	NA	371.6	NA	NA
303.6	NA	NA	ND	NA	NA	NA	NA	NA	63.1	NA	NA	NA	NA	179.3	NA	NA
306.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	34.2	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
307.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	40.2	NA	NA
307.0	ND	ND	ND	ND	ND	ND	50.0	ND	50.0	ND	ND	116.7	133.3	ND	ND	ND
307.2	NA	NA	105.7	NA	NA	NA	NA	NA	102.7	NA	NA	NA	NA	245.2	NA	NA
307.2	NA	NA	ND	NA	NA	NA	NA	NA	38.4	NA	NA	NA	NA	115.3	NA	NA
307.4	NA	NA	138.8	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	335.8	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
303.3	NA	902.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	427.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
303.6	NA	47.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630.6
306.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	162.6
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	217.8
307.0	ND	466.7	ND	1350.0	716.7	NA	ND	166.7	1133.3	1233.3	400.0	33.3	ND	533.3	700.0	750.0
307.2	NA	245.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.2	NA	61.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	697.5
307.4	NA	313.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
307.4	NA	NA	83.9	NA	NA	NA	NA	NA	104.3	NA	NA	NA	NA	429.5	NA	NA
307.6	NA	NA	90.3	NA	NA	NA	NA	NA	96.2	NA	NA	NA	NA	255.3	NA	NA
307.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	45.7	NA	NA
307.9	NA	NA	69.4	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	123.2	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	875.6	NA	NA
308.2	NA	NA	ND	NA	NA	NA	NA	NA	37.3	NA	NA	NA	NA	98.2	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
321.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
323.3	ND	ND	23.5	ND	ND	ND	ND	23.5	35.3	ND	ND	ND	47.1	94.1	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
307.4	NA	173.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2168.2
307.6	NA	275.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
307.8	NA	37.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	236.1
307.9	NA	102.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	559.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
308.2	NA	76.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2202.0
321.0	NA	56.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	184.3
321.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170.7
323.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	88.2
323.3	ND	223.5	ND	70.6	35.3	NA	ND	117.6	211.8	70.6	70.6	23.5	ND	58.8	223.5	329.4

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
399.2	Pescadero Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
400.8	ND	ND	ND	ND	ND	ND	ND	ND	27.5	ND	ND	ND	ND	ND	ND	ND
401.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
399.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
400.8	ND	64.2	ND	18.3	ND	NA	ND	18.3	91.7	36.7	73.4	ND	ND	36.7	91.7	110.1
401.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54.4
401.5	NA	70.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.6	NA	77.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
401.8	NA	73.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
402.2	Parson's Slough	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
402.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.2	NA	NA	50.8	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
403.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	73.9	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	25.9	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
402.2	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
402.3	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
403.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
403.2	NA	74.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	71.9
403.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	80.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	107.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.1

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
404.0	Sandholdt Bridge	TCM	01/04/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
421.7	Monterey Harbor/Marina	TCM	01/22/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
404.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
404.0	ND	ND	20.8	ND	ND	ND	ND	20.8	31.3	ND	ND	20.8	31.3	62.5	ND	ND
408.9	NA	NA	ND	NA	NA	NA	NA	NA	84.9	NA	NA	NA	NA	109.1	NA	NA
409.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	140.8	NA	NA	NA	NA	NA	81.0	NA	NA	NA	NA	192.9	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
404.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.5
404.0	ND	114.6	ND	41.7	ND	NA	ND	ND	ND	52.1	135.4	ND	ND	41.7	93.8	177.1
408.9	NA	278.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
409.0	NA	173.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
414.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
414.0	ND	ND	ND	ND	ND	NA	ND	700.0	ND	ND	257.1	ND	ND	ND	ND	ND
421.7	NA	212.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
425.6	Lake San Antonio	RFC	09/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
425.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.6	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
425.6	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
425.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
426.5	ND	ND	ND	ND	ND	NA	ND	47.6	ND	ND	15.9	ND	ND	ND	ND	15.9
426.5	ND	ND	ND	ND	ND	NA	ND	147.5	ND	ND	41.0	ND	ND	ND	ND	16.4
426.5	ND	ND	ND	ND	ND	NA	ND	155.6	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
430.0	Montana De Oro	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
430.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	129.4	ND	ND	47.1	ND	ND	ND	23.5	ND
430.0	ND	ND	ND	ND	ND	NA	ND	214.3	ND	ND	28.6	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	NA	ND	93.0	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* RCM = Resident California Mussel
TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
434.0	Diablo Cove/South	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
434.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	NA	ND	628.6	ND	ND	42.9	ND	ND	ND	ND	ND
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	NA	ND	437.5	ND	ND	37.5	ND	ND	ND	ND	ND
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
436.0	Pecho Rock	RCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	09/24/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
436.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
436.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
436.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	22.7	ND	ND	ND	NA	ND	500.0	ND	ND	56.8	ND	ND	ND	79.5	68.2
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
437.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	NA	ND	500.0	ND	ND	ND	ND	ND	ND	33.3	33.3
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
443.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	NA	ND	292.7	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
444.0	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	NA	ND	855.3	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
445.0	San Luis Harbor/Transplant	TCM	09/25/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	ND	ND	NA	11.0	ND	16.5	ND	ND	ND
455.0	Gaviota	RCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
475.0	Carpinteria Marsh	TCM	01/26/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	102.7	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	96.9	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	NA	NA	45.0	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
445.0	ND	ND	ND	ND	ND	ND	ND	19.0	19.0	ND	ND	19.0	28.6	38.1	ND	ND
445.0	ND	ND	71.4	ND	ND	22.0	ND	49.5	49.5	11.0	ND	71.4	93.4	126.4	71.4	16.5
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
460.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
475.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	122.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
445.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
445.0	NA	45.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.5
445.0	19.0	38.1	ND	19.0	ND	NA	ND	19.0	38.1	ND	28.6	ND	ND	ND	28.6	47.6
445.0	ND	186.8	ND	109.9	54.9	NA	11.0	120.9	98.9	54.9	120.9	11.0	ND	44.0	109.9	186.8
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
455.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
460.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43.4
475.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, llpld weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
485.0	Ventura Marina	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	NA	NA	NA	241.1	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
507.8	Revolon Slough	TFC	03/14/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
553.0	Marina Del Rey/Entrance	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
485.0	NA	NA	206.4	NA	NA	NA	NA	NA	298.1	NA	NA	NA	NA	321.0	NA	NA
506.1	NA	NA	124.3	NA	NA	NA	NA	NA	298.3	NA	NA	NA	NA	894.8	NA	NA
506.1	NA	NA	ND	NA	NA	NA	NA	NA	95.1	NA	NA	NA	NA	612.6	NA	NA
506.2	NA	NA	151.9	NA	NA	NA	NA	NA	146.9	NA	NA	NA	NA	572.6	NA	NA
506.2	NA	NA	ND	NA	NA	NA	NA	NA	124.0	NA	NA	NA	NA	368.6	NA	NA
506.3	NA	NA	ND	NA	NA	NA	NA	NA	325.4	NA	NA	NA	NA	1464.2	NA	NA
507.3	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
507.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
553.0	NA	NA	ND	NA	NA	NA	NA	NA	40.0	NA	NA	NA	NA	55.2	NA	NA
554.0	NA	NA	ND	NA	NA	NA	NA	NA	136.4	NA	NA	NA	NA	316.1	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
485.0	NA	596.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	820.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.1	NA	150.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2323.8
506.2	NA	398.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
506.2	NA	234.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1273.5
506.3	NA	878.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
507.3	NA	23.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	199.8
507.8	NA	433.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
553.0	NA	163.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	266.5
554.0	NA	532.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/28/87	NA	NA	NA	329.5	NA	NA	867.1	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	NA	NA	NA	ND	NA	NA	497.8	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
554.0	NA	NA	50.8	NA	NA	NA	NA	NA	169.3	NA	NA	NA	NA	324.5	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	NA	177.8	NA	NA	NA	NA	444.4	NA	NA
555.0	NA	NA	93.2	NA	NA	NA	NA	NA	232.9	NA	NA	NA	NA	698.8	NA	NA
555.2	NA	NA	163.3	NA	NA	NA	NA	NA	240.2	NA	NA	NA	NA	648.5	NA	NA
556.0	NA	NA	92.1	NA	NA	NA	NA	NA	102.1	NA	NA	NA	NA	500.7	NA	NA
556.0	NA	NA	178.6	NA	NA	NA	NA	NA	424.1	NA	NA	NA	NA	1272.3	NA	NA
557.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
559.0	NA	NA	204.4	NA	NA	NA	NA	NA	204.4	NA	NA	NA	NA	449.8	NA	NA
601.0	NA	NA	3641.7	NA	NA	NA	NA	NA	1317.9	NA	NA	NA	NA	2254.4	NA	NA
601.0	NA	NA	2133.3	NA	NA	NA	NA	NA	1404.4	NA	NA	NA	NA	2311.1	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
554.0	NA	409.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	959.4
555.0	NA	814.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
555.0	NA	716.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1755.8
555.2	NA	840.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	681.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
556.0	NA	1473.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3125.0
557.0	NA	265.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
559.0	NA	736.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	2080.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
601.0	NA	2133.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3555.6

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
601.0	LA Harbor/National Steel	RCM	12/22/89	421.9	ND	ND	NA	718.8	250.0	1312.5	ND	187.5	265.6
602.0	LA Harbor/West Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	ND	ND	ND	NA	100.0	50.0	200.0	ND	ND	ND
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
601.0	390.6	31.3	2343.8	62.5	1218.8	1546.9	ND	1875.0	2187.5	406.3	78.1	1437.5	2812.5	3750.0	1328.1	703.1
602.0	NA	NA	132.7	NA	NA	NA	NA	NA	195.4	NA	NA	NA	NA	434.1	NA	NA
602.5	NA	NA	197.5	NA	NA	NA	NA	NA	251.3	NA	NA	NA	NA	736.0	NA	NA
602.5	NA	NA	119.0	NA	NA	NA	NA	NA	138.4	NA	NA	NA	NA	752.9	NA	NA
602.5	ND	ND	266.7	ND	ND	150.0	ND	416.7	516.7	66.7	ND	366.7	783.3	1300.0	666.7	150.0
602.7	NA	NA	199.6	NA	NA	NA	NA	NA	228.1	NA	NA	NA	NA	684.2	NA	NA
603.0	NA	NA	164.9	NA	NA	NA	NA	NA	231.8	NA	NA	NA	NA	525.7	NA	NA
603.0	NA	NA	114.5	NA	NA	NA	NA	NA	235.3	NA	NA	NA	NA	596.0	NA	NA
603.6	NA	NA	194.5	NA	NA	NA	NA	NA	133.8	NA	NA	NA	NA	334.6	NA	NA
603.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	162.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
601.0	93.8	5625.0	203.1	2812.5	1359.4	NA	31.3	328.1	2656.3	1718.8	1875.0	390.6	31.3	1218.8	2031.3	5625.0
602.0	NA	337.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	502.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
602.5	NA	315.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3157.1
602.5	ND	2500.0	33.3	683.3	350.0	NA	33.3	416.7	1833.3	1116.7	2000.0	200.0	ND	816.7	1483.3	3666.7
602.7	NA	527.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	621.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.0	NA	407.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1725.3
603.6	NA	334.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
603.8	NA	149.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	NA	NA	NA	ND	NA	NA	85.5	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	NA	NA	NA	ND	NA	NA	100.8	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	NA	NA	NA	ND	NA	NA	41.3	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	ND	ND	ND	NA	166.7	83.3	291.7	ND	ND	ND
662.0	Royal Palms	RCM	12/28/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
605.0	NA	NA	ND	NA	NA	NA	NA	NA	99.5	NA	NA	NA	NA	225.1	NA	NA
606.2	NA	NA	320.5	NA	NA	NA	NA	NA	320.5	NA	NA	NA	NA	587.5	NA	NA
606.3	NA	NA	155.1	NA	NA	NA	NA	NA	186.6	NA	NA	NA	NA	392.8	NA	NA
609.0	NA	NA	151.6	NA	NA	NA	NA	NA	99.9	NA	NA	NA	NA	178.4	NA	NA
616.0	NA	NA	327.5	NA	NA	NA	NA	NA	176.3	NA	NA	NA	NA	503.8	NA	NA
616.0	NA	NA	306.2	NA	NA	NA	NA	NA	290.9	NA	NA	NA	NA	673.6	NA	NA
616.0	ND	ND	708.3	ND	ND	250.0	333.3	583.3	750.0	333.3	ND	458.3	1041.7	1541.7	750.0	208.3
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
662.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
662.0	ND	ND	ND	ND	ND	ND	ND	40.8	81.6	ND	ND	ND	61.2	61.2	836.7	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
605.0	NA	260.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	734.5
606.2	NA	730.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
606.3	NA	412.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
609.0	NA	214.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	503.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
616.0	NA	643.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1684.0
616.0	ND	2666.7	ND	958.3	541.7	NA	ND	250.0	1375.0	833.3	1166.7	208.3	ND	583.3	1041.7	3166.7
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
662.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.1
662.0	ND	224.5	ND	122.4	81.6	NA	ND	959.2	ND	40.8	1326.5	ND	ND	40.8	183.7	367.3

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	ND	ND	ND	NA	20.6	ND	41.2	ND	ND	ND
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	ND	ND	ND	NA	38.5	ND	15.4	ND	ND	ND
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	ND	ND	ND	NA	47.6	ND	39.7	ND	ND	ND
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	ND	ND	NA	ND	ND	25.6	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
707.0	NA	NA	94.7	NA	NA	NA	NA	NA	55.7	NA	NA	NA	NA	137.5	NA	NA
707.0	NA	NA	67.8	NA	NA	NA	NA	NA	69.5	NA	NA	NA	NA	91.0	NA	NA
707.0	ND	ND	92.8	ND	ND	41.2	ND	92.8	123.7	20.6	ND	103.1	195.9	247.4	494.8	30.9
708.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	112.7	NA	NA
708.0	ND	ND	476.9	ND	ND	338.5	ND	476.9	169.2	ND	ND	184.6	307.7	169.2	884.6	138.5
710.2	NA	NA	109.3	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	173.8	NA	NA
710.2	NA	NA	83.5	NA	NA	NA	NA	NA	73.0	NA	NA	NA	NA	208.7	NA	NA
710.2	ND	ND	ND	ND	119.0	31.7	47.6	111.1	150.8	111.1	ND	119.0	230.2	293.7	555.6	39.7
713.0	NA	NA	162.3	NA	NA	NA	NA	NA	143.1	NA	NA	NA	NA	234.9	NA	NA
713.0	ND	ND	76.9	ND	ND	ND	ND	89.7	141.0	ND	ND	115.4	205.1	230.8	ND	38.5

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
707.0	NA	204.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
707.0	NA	137.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	397.1
707.0	ND	422.7	ND	175.3	103.1	NA	ND	319.6	ND	113.4	567.0	30.9	ND	103.1	237.1	484.5
708.0	NA	190.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
708.0	ND	515.4	ND	715.4	376.9	NA	215.4	230.8	ND	615.4	615.4	53.8	ND	292.3	400.0	584.6
710.2	NA	253.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
710.2	NA	67.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	556.5
710.2	ND	507.9	ND	206.3	111.1	NA	ND	269.8	ND	150.8	547.6	47.6	ND	134.9	285.7	603.2
713.0	NA	405.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	333.3	ND	153.8	38.5	NA	ND	89.7	320.5	102.6	217.9	51.3	ND	102.6	205.1	346.2

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	ND	ND	ND	NA	ND	ND	111.1	ND	ND	ND
723.0	Newport Bay/Bay Island	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	ND	ND	ND	NA	24.1	ND	36.1	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
715.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	145.5	NA	NA
715.0	NA	NA	106.2	NA	NA	NA	NA	NA	77.9	NA	NA	NA	NA	230.2	NA	NA
715.0	ND	ND	ND	ND	ND	75.0	350.0	225.0	275.0	ND	ND	225.0	475.0	600.0	400.0	75.0
717.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	174.5	NA	NA
717.0	NA	NA	104.8	NA	NA	NA	NA	NA	82.6	NA	NA	NA	NA	221.7	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
721.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	31.7	NA	NA
721.0	ND	ND	41.7	ND	ND	27.8	ND	55.6	83.3	ND	ND	55.6	125.0	166.7	402.8	ND
723.0	NA	NA	71.5	NA	NA	NA	NA	NA	69.7	NA	NA	NA	NA	125.5	NA	NA
723.0	ND	ND	120.5	ND	ND	60.2	ND	156.6	168.7	36.1	ND	180.7	337.3	445.8	650.6	48.2

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
715.0	NA	320.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
715.0	NA	424.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	903.0
715.0	ND	1300.0	ND	450.0	250.0	NA	ND	225.0	825.0	375.0	650.0	75.0	ND	275.0	750.0	1975.0
717.0	NA	369.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
717.0	NA	362.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	604.7
721.0	NA	229.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
721.0	NA	61.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	109.4
721.0	ND	319.4	ND	111.1	69.4	NA	ND	777.8	ND	97.2	305.6	27.8	ND	97.2	208.3	402.8
723.0	NA	191.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.0	ND	734.9	ND	277.1	180.7	NA	ND	241.0	ND	180.7	445.8	48.2	ND	168.7	397.6	807.2

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
723.4	Newport Bay/Turning Basin	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	ND	ND	ND	NA	ND	ND	42.9	ND	ND	ND
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
725.0	Newport Bay/Crows Nest	TCM	12/21/87	NA	NA	NA	ND	NA	NA	88.8	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	NA	NA	NA	ND	NA	NA	84.6	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	ND	ND	ND	NA	381.0	174.6	619.0	ND	ND	95.2
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	NA	NA	NA	ND	NA	NA	104.0	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
723.4	NA	NA	180.8	NA	NA	NA	NA	NA	200.8	NA	NA	NA	NA	376.6	NA	NA
723.4	NA	NA	ND	NA	NA	NA	NA	NA	51.2	NA	NA	NA	NA	178.1	NA	NA
723.4	ND	ND	142.9	ND	ND	ND	ND	171.4	200.0	114.3	28.6	200.0	371.4	500.0	257.1	57.1
724.0	NA	NA	109.8	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	228.0	NA	NA
724.0	NA	NA	59.7	NA	NA	NA	NA	NA	61.5	NA	NA	NA	NA	217.0	NA	NA
724.0	ND	ND	74.1	ND	ND	37.0	ND	98.8	123.5	ND	ND	123.5	222.2	308.6	370.4	37.0
725.0	NA	NA	623.4	NA	NA	NA	NA	NA	545.5	NA	NA	NA	NA	1246.8	NA	NA
725.0	NA	NA	592.5	NA	NA	NA	NA	NA	804.1	NA	NA	NA	NA	1967.8	NA	NA
725.0	95.2	317.5	1904.8	ND	ND	1095.2	ND	2063.5	1904.8	269.8	63.5	2381.0	4444.4	4761.9	1587.3	777.8
726.0	NA	NA	604.8	NA	NA	NA	NA	NA	677.4	NA	NA	NA	NA	1306.4	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
723.4	NA	627.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
723.4	NA	131.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.8
723.4	ND	800.0	ND	300.0	185.7	NA	28.6	142.9	457.1	200.0	271.4	57.1	ND	185.7	457.1	885.7
724.0	NA	373.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
724.0	NA	153.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	560.5
724.0	ND	567.9	ND	197.5	123.5	NA	ND	234.6	382.7	172.8	407.4	37.0	ND	160.5	358.0	728.4
725.0	NA	2493.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
725.0	NA	2327.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3173.9
725.0	206.3	7619.0	254.0	3968.3	2539.7	NA	47.6	507.9	3174.6	1587.3	1158.7	634.9	31.7	1904.8	3968.3	6666.7
726.0	NA	2419.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	NA	NA	NA	ND	NA	NA	101.1	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	ND	ND	ND	NA	788.5	269.2	1115.4	ND	ND	115.4
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
726.0	NA	NA	1075.5	NA	NA	NA	NA	NA	1634.7	NA	NA	NA	NA	3656.6	NA	NA
726.2	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	46.8	NA	NA
726.4	NA	NA	155.1	NA	NA	NA	NA	NA	137.7	NA	NA	NA	NA	244.0	NA	NA
726.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	62.0	NA	NA
726.4	115.4	38.5	4038.5	ND	ND	2115.4	ND	3076.9	4038.5	192.3	76.9	4423.1	7884.6	8653.8	1211.5	1615.4
728.4	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	65.8	NA	NA
728.4	ND	ND	20.4	ND	ND	ND	ND	20.4	81.6	ND	ND	20.4	51.0	61.2	ND	ND
728.5	ND	ND	15.7	ND	ND	ND	ND	23.6	70.9	ND	ND	23.6	31.5	47.2	31.5	ND
728.6	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	40.0	NA	NA
728.8	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
726.0	NA	5377.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4947.2
726.2	NA	59.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	118.8
726.4	NA	296.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
726.4	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	113.2
726.4	461.5	13846.2	769.2	7692.3	4615.4	NA	38.5	961.5	5192.3	3076.9	1230.8	1250.0	96.2	3269.2	6346.2	10384.6
728.4	NA	112.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150.8
728.4	ND	132.7	40.8	51.0	ND	NA	ND	ND	ND	51.0	122.4	ND	20.4	51.0	112.2	153.1
728.5	ND	94.5	ND	39.4	ND	NA	ND	ND	63.0	31.5	86.6	23.6	23.6	23.6	70.9	110.2
728.6	NA	111.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
728.8	NA	61.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.2	San Onofre 2	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
728.9	ND	ND	ND	ND	ND	ND	ND	ND	21.3	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.9	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.7	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
728.9	ND	31.9	ND	ND	ND	NA	ND	ND	ND	ND	31.9	ND	ND	ND	53.2	42.6
744.2	ND	29.6	ND	ND	ND	NA	ND	ND	ND	ND	66.7	ND	ND	ND	29.6	44.4
744.3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	43.5	ND	ND	ND	ND	34.8
744.3	ND	ND	ND	ND	ND	NA	ND	28.6	ND	ND	35.7	ND	ND	ND	ND	14.3
744.4	ND	30.1	ND	ND	ND	NA	ND	ND	ND	ND	97.7	ND	ND	ND	30.1	45.1
744.4	ND	ND	ND	ND	ND	NA	ND	16.9	ND	ND	39.3	ND	ND	ND	11.2	11.2
744.5	ND	41.7	ND	ND	ND	NA	ND	ND	ND	118.1	69.4	ND	ND	ND	27.8	48.6
744.5	ND	12.9	ND	12.9	ND	NA	ND	19.4	ND	ND	45.2	ND	ND	ND	ND	12.9
744.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	75.9	ND	ND	ND	25.3	38.0
744.6	ND	13.1	ND	13.1	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.1

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
750.0	Oceanside	RCM	12/21/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
868.5	Mission Bay/Landfill 1	TCM	12/21/89	ND	ND	ND	NA	56.6	ND	94.3	ND	ND	ND
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	NA	NA	NA	ND	NA	NA	88.0	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
750.0	NA	NA	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	452.8	ND	ND	ND	ND	94.3	113.2	ND	ND	94.3	169.8	207.5	ND	37.7
882.7	NA	NA	207.2	NA	NA	NA	NA	NA	301.4	NA	NA	NA	NA	602.8	NA	NA
882.7	NA	NA	183.3	NA	NA	NA	NA	NA	512.4	NA	NA	NA	NA	1123.2	NA	NA
882.8	NA	NA	ND	NA	NA	NA	NA	NA	76.0	NA	NA	NA	NA	248.5	NA	NA
882.9	NA	NA	80.4	NA	NA	NA	NA	NA	126.0	NA	NA	NA	NA	456.2	NA	NA
883.1	NA	NA	ND	NA	NA	NA	NA	NA	59.4	NA	NA	NA	NA	99.5	NA	NA
883.6	NA	NA	340.0	NA	NA	NA	NA	NA	300.0	NA	NA	NA	NA	480.0	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
750.0	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	64.5	ND	ND	ND	NA	ND	516.1	ND	ND	ND	ND	ND	ND	96.8	96.8
865.0	ND	114.3	ND	ND	ND	NA	ND	142.9	ND	ND	ND	ND	ND	ND	114.3	114.3
868.5	ND	415.1	ND	188.7	132.1	NA	ND	132.1	207.5	94.3	37.7	ND	ND	94.3	264.2	434.0
882.7	NA	640.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
882.7	NA	1103.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2758.8
882.8	NA	292.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1461.5
882.9	NA	499.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2063.8
883.1	NA	176.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1219.5
883.6	NA	560.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	NA	NA	NA	807.1	NA	NA	4035.5	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	NA	NA	NA	444.0	NA	NA	7400.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	375.0	270.8	ND	NA	3958.3	1875.0	5625.0	ND	ND	3125.0
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	NA	NA	NA	ND	NA	NA	70.7	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	NA	NA	NA	ND	NA	NA	551.0	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	NA	NA	NA	67.7	NA	NA	3386.4	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
883.6	NA	NA	61.5	NA	NA	NA	NA	NA	196.8	NA	NA	NA	NA	529.0	NA	NA
885.2	NA	NA	ND	NA	NA	NA	NA	NA	75.1	NA	NA	NA	NA	117.0	NA	NA
885.4	NA	NA	ND	NA	NA	NA	NA	NA	49.7	NA	NA	NA	NA	94.8	NA	NA
886.2	NA	NA	116.6	NA	NA	NA	NA	NA	204.6	NA	NA	NA	NA	388.8	NA	NA
894.0	NA	NA	10665.2	NA	NA	NA	NA	NA	10377.0	NA	NA	NA	NA	13547.7	NA	NA
894.0	NA	NA	14800.0	NA	NA	NA	NA	NA	14306.7	NA	NA	NA	NA	23433.3	NA	NA
894.0	3541.7	500.0	11875.0	145.8	7083.3	7708.3	ND	9166.7	10416.7	1020.8	562.5	10000.0	19583.3	22708.3	5000.0	3333.3
894.1	NA	NA	658.6	NA	NA	NA	NA	NA	787.1	NA	NA	NA	NA	1767.0	NA	NA
894.2	NA	NA	2465.0	NA	NA	NA	NA	NA	2030.0	NA	NA	NA	NA	4350.0	NA	NA
894.3	NA	NA	11287.9	NA	NA	NA	NA	NA	8127.3	NA	NA	NA	NA	15577.3	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
883.6	NA	455.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1599.3
885.2	NA	152.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1324.5
885.4	NA	138.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1023.7
886.2	NA	654.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1739.2
894.0	NA	20465.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
894.0	NA	21706.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16773.3
894.0	770.8	25833.3	1833.3	16041.7	7708.3	NA	125.0	1062.5	9583.3	6250.0	2708.3	2083.3	229.2	5416.7	9583.3	16666.7
894.1	NA	2088.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3052.1
894.2	NA	5075.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4785.0
894.3	NA	16254.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12868.2

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NA = Not Analyzed
ND = Not Detected

APPENDIX Y (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 5 - 101 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 5	PCB 6	PCB 7	PCB 8	PCB 15	PCB 16	PCB 18	PCB 19	PCB 22	PCB 25
894.8	Laurel Street Storm Drain	TCM	12/21/88	NA	NA	NA	ND	NA	NA	67.6	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	NA	NA	NA	ND	NA	NA	101.4	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	NA	NA	NA	ND	NA	NA	107.9	NA	NA	NA

Station Number	PCB 26	PCB 27	PCB 28	PCB 29	PCB 31	PCB 33	PCB 40	PCB 41	PCB 44	PCB 45	PCB 46	PCB 47	PCB 49	PCB 52	PCB 56	PCB 59
894.8	NA	NA	431.6	NA	NA	NA	NA	NA	731.9	NA	NA	NA	NA	1388.8	NA	NA
897.5	NA	NA	405.6	NA	NA	NA	NA	NA	516.3	NA	NA	NA	NA	958.8	NA	NA
898.0	NA	NA	820.9	NA	NA	NA	NA	NA	1923.3	NA	NA	NA	NA	3283.6	NA	NA

Station Number	PCB 63	PCB 66	PCB 67	PCB 70	PCB 74	PCB 77	PCB 82	PCB 83	PCB 84	PCB 87	PCB 89	PCB 91	PCB 96	PCB 97	PCB 99	PCB 101
894.8	NA	1426.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2439.7
897.5	NA	2028.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
898.0	NA	5629.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7036.4

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ND = Not Detected

APPENDIX Z

Summary of 1987-93 Data

PCB Congeners 105 - 207 in Mussels and Clams

(ppb, lipid weight)

APPENDIX Z

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
2.0	Crescent City/STP Outfall	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
2.0	Crescent City/STP Outfall	RCM	02/23/90	ND	ND	609.1	ND	554.5	ND	NA	ND	ND	ND	254.5
3.0	Crescent City/Control	RCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
3.0	Crescent City/Control	RCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	250.0
10.0	Trinidad Head	RCM	09/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
10.0	Trinidad Head	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	181.3
100.0	Mad River Slough	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
2.0	ND	ND	909.1	ND	ND	54.5	363.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	168.8	ND
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
2.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
3.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
10.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
100.0	Mad River Slough	TCM	02/17/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/11/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.0	Eureka STP/Outfall	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	277.8
104.5	Eureka STP/Control	TCM	02/12/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
104.5	Eureka STP/Control	TCM	02/23/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	236.4
160.0	Lake Mendocino	RFC	11/30/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
165.0	Russian River Below Ukiah	TFC	03/20/90	ND	ND	34.5	ND	69.0	ND	NA	ND	17.2	ND	25.9
190.0	Estero Americano	RCM	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
190.0	Estero Americano	RCM	02/06/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	212.5
202.0	Bodega Head	RCM	08/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
100.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.0	ND	ND	1066.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	322.2	ND
104.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	127.3	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	31.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	379.3	ND	51.7	ND	25.9	34.5	ND	181.0	17.2	ND	ND	ND	ND	ND	ND	ND	ND
190.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
190.0	ND	ND	ND	ND	ND	ND	ND	387.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
100.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
104.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
104.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
104.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
160.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
165.0	17.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
190.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
190.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
202.0	Bodega Head	RCM	08/24/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
202.0	Bodega Head	RCM	08/28/89	ND	ND	ND	ND	40.0	ND	NA	ND	ND	ND	ND
202.0	Bodega Head	RCM	11/14/89	ND	ND	ND	ND	188.1	ND	NA	ND	ND	ND	ND
205.0	Bodega Harbor/Spud Point Marina	TCM	01/29/89	ND	NA	NA	NA	39.3	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	12/05/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
295.1	Santa Rosa Fl Con Ch/Willowside Rd	TFC	03/20/90	ND	20.4	71.4	ND	122.4	ND	NA	20.4	ND	ND	102.0
295.2	Laguna de Santa Rosa/Stony Point	TFC	03/20/90	ND	16.7	50.0	ND	100.0	ND	NA	ND	ND	ND	91.7
295.3	Mark West Creek/Wholer Road	TFC	03/20/90	ND	ND	72.5	ND	130.4	ND	NA	ND	ND	ND	115.9
295.4	Russian River/Wholer Bridge	TFC	03/20/90	ND	22.7	79.5	ND	159.1	ND	NA	ND	34.1	ND	113.6
295.5	Russian River/Hacienda Bridge	TFC	03/20/90	ND	ND	34.5	ND	69.0	ND	NA	ND	ND	ND	25.9

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
202.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
295.1	ND	ND	102.0	ND	61.2	81.6	20.4	428.6	30.6	ND	ND	ND	ND	ND	ND	ND	ND
295.2	ND	ND	91.7	ND	33.3	66.7	25.0	425.0	33.3	ND	16.7	ND	ND	ND	ND	16.7	ND
295.3	ND	ND	144.9	ND	43.5	87.0	29.0	623.2	43.5	ND	ND	ND	ND	ND	ND	ND	ND
295.4	ND	ND	159.1	ND	79.5	113.6	45.5	670.5	56.8	ND	22.7	ND	ND	ND	ND	22.7	ND
295.5	ND	ND	43.1	ND	34.5	34.5	17.2	215.5	17.2	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
202.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
202.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
205.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
295.1	40.8	ND	ND	30.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.2	41.7	16.7	ND	41.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.3	58.0	ND	ND	58.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
295.4	56.8	22.7	ND	68.2	ND	ND	ND	ND	ND	22.7	ND	ND	ND	ND	ND	ND	ND
295.5	25.9	ND	ND	25.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
297.0	Putah Creek	RFC	12/05/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
298.0	Brannan Island	RFC	12/29/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
298.0	Brannan Island	RFC	12/29/88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	Concord Naval/Seal Island	TCM	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/27/81	ND	NA	NA	NA	49.2	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	01/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	12/30/88	ND	NA	NA	NA	142.8	NA	NA	ND	NA	NA	NA
302.0	Point Pinole	TCM	02/09/90	ND	ND	172.4	ND	172.4	ND	NA	69.0	ND	ND	ND
302.4	Castro Cove Bridge	TCM	01/18/88	ND	NA	NA	NA	155.6	NA	NA	ND	NA	NA	NA
303.2	Lauritzen Canal/Mouth	TCM	01/14/88	280.9	NA	NA	NA	786.5	NA	NA	118.0	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
297.0	ND	ND	ND	ND	ND	189.0	ND	496.1	ND	ND	ND	ND	ND	ND	78.7	ND	ND
298.0	NA	NA	229.6	NA	NA	NA	NA	658.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
298.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	NA	NA	ND	NA	NA	NA	NA	339.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	273.3	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	252.0	NA	NA	NA	NA	433.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	NA	NA	170.8	NA	NA	NA	NA	238.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
302.0	103.4	ND	344.8	ND	137.9	379.3	ND	1103.4	103.4	ND	ND	103.4	103.4	ND	ND	69.0	ND
302.4	NA	NA	167.5	NA	NA	NA	NA	239.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.2	NA	NA	749.0	NA	NA	NA	NA	749.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
297.0	ND	ND	ND	31.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
298.0	113.3	NA	NA	168.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
298.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
298.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	28.7	NA	NA	116.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
302.0	ND	NA	NA	72.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
302.0	69.0	69.0	ND	206.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
302.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.2	ND	NA	NA	147.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
303.3	Lauritzen Canal/End	TCM	01/14/88	418.9	NA	NA	NA	757.2	NA	NA	112.8	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	01/14/88	297.3	NA	NA	NA	631.8	NA	NA	105.9	NA	NA	NA
303.6	Richmond Inner Harbor Basin	TCM	12/29/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
306.5	Alcatraz Island	TCM	01/05/89	ND	NA	NA	NA	74.8	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	01/14/88	ND	NA	NA	NA	135.5	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	12/30/88	ND	NA	NA	NA	92.1	NA	NA	ND	NA	NA	NA
307.0	San Francisco Bay/Treasure Is	TCM	02/09/90	ND	200.0	1283.3	ND	1250.0	ND	NA	1050.0	ND	ND	716.7
307.2	Alameda Yacht Harbor	TCM	01/14/88	245.2	NA	NA	NA	582.4	NA	NA	118.0	NA	NA	NA
307.2	Alameda Yacht Harbor	TCM	12/30/88	ND	NA	NA	NA	38.4	NA	NA	ND	NA	NA	NA
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	01/14/88	ND	NA	NA	NA	917.9	NA	NA	89.6	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
303.3	NA	NA	ND	NA	NA	NA	NA	692.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	594.6	NA	NA	NA	NA	501.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
303.6	NA	NA	985.3	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
306.5	NA	NA	455.4	NA	NA	NA	NA	357.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	343.7	NA	NA	NA	NA	485.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	NA	NA	402.0	NA	NA	NA	NA	452.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.0	66.7	ND	2000.0	ND	533.3	1166.7	783.3	3166.7	1350.0	350.0	1316.7	ND	ND	ND	283.3	516.7	ND
307.2	NA	NA	99.6	NA	NA	NA	NA	1103.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.2	NA	NA	811.4	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.4	NA	NA	2126.9	NA	NA	NA	NA	3358.3	NA	NA	167.9	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
303.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	74.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
303.6	ND	NA	NA	492.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
306.5	ND	NA	NA	50.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	ND	NA	NA	127.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.0	41.9	NA	NA	67.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.0	1516.7	416.7	ND	700.0	ND	ND	ND	300.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
307.2	183.9	NA	NA	291.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.2	122.4	NA	NA	384.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.4	716.4	NA	NA	895.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	12/30/88	92.0	NA	NA	NA	1534.1	NA	NA	45.0	NA	NA	NA
307.6	Oakland Back Harbor	TCM	01/14/88	569.6	NA	NA	NA	923.1	NA	NA	145.3	NA	NA	NA
307.8	San Francisco Outfall	TCM	12/29/88	ND	NA	NA	NA	133.8	NA	NA	ND	NA	NA	NA
307.9	San Francisco/Islais Channel	TCM	01/15/88	277.7	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	01/15/88	ND	NA	NA	NA	ND	NA	NA	943.0	NA	NA	NA
308.2	Hunter's Point/Shipyard	TCM	12/29/88	110.1	NA	NA	NA	1134.9	NA	NA	203.3	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	01/18/82	ND	NA	NA	NA	226.8	NA	NA	ND	NA	NA	NA
321.0	Dumbarton Bridge/Channel Marker 14	TCM	12/29/88	ND	NA	NA	NA	160.4	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	12/29/88	ND	NA	NA	NA	108.5	NA	NA	ND	NA	NA	NA
323.3	Palo Alto Outfall	TCM	02/09/90	847.1	23.5	188.2	ND	188.2	ND	NA	70.6	47.1	ND	129.4

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
307.4	NA	NA	2659.1	NA	NA	NA	NA	4704.5	NA	NA	120.7	NA	NA	NA	NA	NA	NA
307.6	NA	NA	1610.5	NA	NA	NA	NA	1905.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.8	NA	NA	488.0	NA	NA	NA	NA	488.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
307.9	NA	NA	538.0	NA	NA	NA	NA	642.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
308.2	NA	NA	16165.7	NA	NA	NA	NA	24922.1	NA	NA	619.7	NA	NA	NA	NA	NA	NA
308.2	NA	NA	5081.6	NA	NA	NA	NA	6775.5	NA	NA	152.4	NA	NA	NA	NA	NA	NA
321.0	NA	NA	708.8	NA	NA	NA	NA	1034.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
321.0	NA	NA	512.1	NA	NA	NA	NA	785.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	NA	NA	180.9	NA	NA	NA	NA	176.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
323.3	82.4	ND	258.8	ND	ND	282.4	494.1	105.9	82.4	ND	ND	ND	ND	ND	23.5	47.1	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
307.4	715.9	NA	NA	838.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.6	294.6	NA	NA	510.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
307.8	37.8	NA	NA	55.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
307.9	114.6	NA	NA	208.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	3233.1	NA	NA	6533.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
308.2	1016.3	NA	NA	2032.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	58.1	NA	NA	127.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
321.0	75.1	NA	NA	136.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	ND	NA	NA	49.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
323.3	58.8	47.1	ND	141.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
399.2	Pescadero Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.2	Pescadero Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	02/08/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
399.3	Waddell Creek	TFC	01/26/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
400.8	Aptos Creek	TFC	01/31/90	ND	ND	73.4	ND	119.3	ND	NA	27.5	27.5	ND	55.0
401.3	Moss Landing/Yacht Harbor	TCM	01/04/89	ND	NA	NA	NA	68.6	NA	NA	ND	NA	NA	NA
401.5	Watsonville Slough/Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.6	Harkins Slough Bridge	TFC	02/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
401.8	San Andreas Road	TFC	02/03/88	ND	NA	NA	NA	48.8	NA	NA	ND	NA	NA	NA
402.2	Parson's Slough	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
399.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
400.8	ND	ND	137.6	ND	64.2	100.9	174.3	642.2	55.0	27.5	27.5	ND	ND	ND	ND	18.3	ND
401.3	NA	NA	85.2	NA	NA	NA	NA	85.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.5	NA	NA	ND	NA	NA	NA	NA	52.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.6	NA	NA	ND	NA	NA	NA	NA	64.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
401.8	NA	NA	ND	NA	NA	NA	NA	151.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
399.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
400.8	64.2	18.3	ND	73.4	ND	ND	ND	ND	ND	18.3	ND	ND	ND	ND	ND	ND	ND
401.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
401.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
401.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
402.2	Parson's Slough	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
402.3	Elkhorn Slough/Pacific Mariculture	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	03/02/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.0	Elkhorn Slough/Highway 1 Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
403.2	Moro Cojo	TCM	01/04/89	ND	NA	NA	NA	86.7	NA	NA	ND	NA	NA	NA
403.6	Moro Cojo Slough	TCM	02/02/88	ND	NA	NA	NA	97.0	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	11/05/87	ND	NA	NA	NA	279.1	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	02/02/88	ND	NA	NA	NA	393.3	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	04/07/88	ND	NA	NA	NA	110.4	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	RBM	12/08/88	ND	NA	NA	NA	86.6	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
402.2	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
402.3	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.2	NA	NA	99.4	NA	NA	NA	NA	107.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
403.6	NA	NA	101.5	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	409.3	NA	NA	NA	NA	446.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	676.4	NA	NA	NA	NA	770.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	199.1	NA	NA	NA	NA	162.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	NA	NA	219.8	NA	NA	NA	NA	142.2	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
402.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
402.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
403.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
403.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	100.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	103.8	NA	NA	188.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
404.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
404.0	Sandholdt Bridge	TCM	01/04/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
404.0	Sandholdt Bridge	TCM	02/19/90	135.4	41.7	187.5	ND	166.7	ND	NA	52.1	31.3	ND	72.9
408.9	Salinas/Reclamation Canal 3	TFC	02/03/88	ND	NA	NA	NA	363.6	NA	NA	71.5	NA	NA	NA
409.0	Salinas/Reclamation Canal 4	TFC	02/03/88	ND	NA	NA	NA	296.6	NA	NA	47.0	NA	NA	NA
414.0	Pacific Grove	RCM	12/19/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	01/09/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
414.0	Pacific Grove	RCM	02/08/90	ND	ND	ND	ND	842.9	ND	NA	ND	ND	ND	328.6
421.7	Monterey Harbor/Marina	TCM	01/22/88	ND	NA	NA	NA	424.4	NA	NA	ND	NA	NA	NA
425.4	Lake San Antonio/Buoy	TFC	12/08/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	10/28/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
404.0	NA	NA	116.0	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
404.0	ND	ND	125.0	ND	52.1	104.2	83.3	187.5	41.7	ND	ND	ND	ND	ND	ND	ND	ND
408.9	NA	NA	787.9	NA	NA	NA	NA	812.1	NA	NA	59.4	NA	NA	NA	NA	NA	NA
409.0	NA	NA	542.1	NA	NA	NA	NA	480.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
414.0	ND	ND	1314.3	ND	ND	ND	528.6	414.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	NA	NA	385.8	NA	NA	NA	NA	559.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.4	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
404.0	ND	NA	NA	53.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
404.0	20.8	ND	ND	31.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
408.9	193.9	NA	NA	157.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
409.0	102.3	NA	NA	92.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
414.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
414.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
421.7	ND	NA	NA	86.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TCM = Transplanted California Mussel
RBM = Resident Bay Mussel
TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam
NA = Not Analyzed
ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
425.6	Lake San Antonio	RFC	09/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
425.6	Lake San Antonio	RFC	08/15/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
426.5	Cayucos Pier	TCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
426.5	Cayucos Pier	TCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	23.8
426.5	Cayucos Pier	TCM	12/12/89	ND	ND	ND	ND	24.6	ND	NA	ND	ND	ND	16.4
426.5	Cayucos Pier	TCM	03/05/90	ND	ND	ND	ND	22.2	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/14/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
425.6	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
426.5	ND	ND	ND	ND	ND	ND	ND	15.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	16.4	ND	ND	ND	ND	41.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	22.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
425.6	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
425.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
426.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
430.0	Montana De Oro	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
430.0	Montana De Oro	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
430.0	Montana De Oro	RCM	12/12/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	35.3
430.0	Montana De Oro	RCM	03/05/90	ND	ND	ND	ND	28.6	ND	NA	ND	ND	ND	85.7
430.0	Montana De Oro	RCM	04/03/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
430.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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TFC = Transplanted Fresh Water Claml
RFC = Resident Fresh Water Clam

NA = Not Analyzed
ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
434.0	Diablo Cove/South	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
434.0	Diablo Cove/South	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
434.0	Diablo Cove/South	RCM	03/06/90	ND	ND	ND	ND	85.7	ND	NA	ND	ND	ND	85.7
435.0	Intake Cove	RCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
435.0	Intake Cove	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
435.0	Intake Cove	RCM	03/06/90	ND	ND	ND	ND	50.0	ND	NA	ND	ND	ND	75.0
436.0	Pecho Rock	RCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	28.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
435.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
436.0	Pecho Rock	RCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
436.0	Pecho Rock	RCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
436.0	Pecho Rock	RCM	03/06/90	ND	ND	34.1	ND	125.0	ND	NA	22.7	ND	ND	56.8
437.0	Point San Luis	RCM	09/24/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	03/14/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/25/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	02/28/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
437.0	Point San Luis	RCM	09/27/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
437.0	Point San Luis	RCM	03/05/90	ND	ND	ND	ND	100.0	ND	NA	ND	ND	ND	116.7
443.0	Diablo Cove/South/Transplant	TCM	10/05/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
436.0	NA	NA	58.2	NA	NA	NA	NA	48.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
436.0	ND	ND	ND	ND	ND	ND	ND	22.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	79.5	ND	22.7	22.7	ND	261.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	33.3	ND	ND	ND	ND	83.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
436.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
436.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
436.0	ND	ND	ND	22.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
437.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
443.0	Diablo Cove/South/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
443.0	Diablo Cove/South/Transplant	TCM	09/28/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
443.0	Diablo Cove/South/Transplant	TCM	03/06/90	ND	ND	ND	ND	48.8	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	09/25/87	ND	NA	NA	NA	87.6	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
444.0	Intake Cove/Transplant	TCM	09/28/89	ND	ND	ND	ND	34.7	ND	NA	ND	ND	ND	ND
444.0	Intake Cove/Transplant	TCM	03/06/90	ND	ND	ND	ND	92.1	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	24.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	39.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
443.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
444.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
445.0	San Luis Harbor/Transplant	TCM	09/25/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/15/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	03/01/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
445.0	San Luis Harbor/Transplant	TCM	09/28/89	ND	ND	38.1	ND	19.0	ND	NA	ND	ND	ND	ND
445.0	San Luis Harbor/Transplant	TCM	03/06/90	ND	22.0	153.8	ND	181.3	ND	NA	22.0	ND	ND	65.9
455.0	Gaviota	RCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
455.0	Gaviota	TCM	03/21/89	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
460.0	Goleta Slough 1	TCM	12/18/88	ND	NA	NA	NA	45.3	NA	NA	ND	NA	NA	NA
475.0	Carpinteria Marsh	TCM	01/26/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	62.2	NA	NA	NA	NA	73.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
445.0	ND	ND	19.0	ND	ND	ND	ND	57.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	ND	ND	93.4	ND	27.5	71.4	38.5	324.2	ND	11.0	ND	ND	ND	ND	ND	ND	ND
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
455.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
460.0	NA	NA	68.0	NA	NA	NA	NA	45.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
475.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
445.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
445.0	11.0	ND	ND	22.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
455.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
460.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
475.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
485.0	Ventura Marina	TCM	01/25/88	ND	NA	NA	NA	733.7	NA	NA	ND	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	01/25/88	1242.8	NA	NA	NA	3728.4	NA	NA	596.5	NA	NA	NA
506.1	Port Hueneme/Wharf B	TCM	12/18/88	185.9	NA	NA	NA	120.4	NA	NA	105.6	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	01/25/88	323.7	NA	NA	NA	1917.0	NA	NA	194.2	NA	NA	NA
506.2	Port Hueneme/Wharf 1	TCM	12/18/88	351.9	NA	NA	NA	1273.5	NA	NA	142.4	NA	NA	NA
506.3	Port Hueneme/Entrance	TCM	01/25/88	ND	NA	NA	NA	4880.7	NA	NA	283.1	NA	NA	NA
507.3	Mugu Lagoon/Calleguas Creek	TCM	12/18/88	ND	NA	NA	NA	55.3	NA	NA	ND	NA	NA	NA
507.8	Revolon Slough	TFC	03/14/88	ND	NA	NA	NA	518.1	NA	NA	296.1	NA	NA	NA
553.0	Marina Del Rey/Entrance	TCM	12/19/88	60.9	NA	NA	NA	285.5	NA	NA	ND	NA	NA	NA
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	01/25/88	118.1	NA	NA	NA	582.2	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
485.0	NA	NA	389.8	NA	NA	NA	NA	481.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.1	NA	NA	4971.2	NA	NA	NA	NA	5219.8	NA	NA	169.0	NA	NA	NA	NA	NA	NA
506.1	NA	NA	2957.5	NA	NA	NA	NA	ND	NA	NA	46.5	NA	NA	NA	NA	NA	NA
506.2	NA	NA	2240.7	NA	NA	NA	NA	2390.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.2	NA	NA	1223.2	NA	NA	NA	NA	1591.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
506.3	NA	NA	4555.3	NA	NA	NA	NA	5856.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.3	NA	NA	282.1	NA	NA	NA	NA	223.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
507.8	NA	NA	ND	NA	NA	NA	NA	2220.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
553.0	NA	NA	418.7	NA	NA	NA	NA	380.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
554.0	NA	NA	532.3	NA	NA	NA	NA	549.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
485.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	795.4	NA	NA	1217.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.1	401.4	NA	NA	676.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.2	298.8	NA	NA	722.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
506.2	73.7	NA	NA	135.7	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
506.3	357.9	NA	NA	650.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
507.3	50.5	NA	NA	112.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
507.8	105.7	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
553.0	ND	NA	NA	53.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
554.0	ND	NA	NA	103.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
554.0	Marina Del Rey/Harbor Patrol Docks	TCM	12/19/88	239.8	NA	NA	NA	804.2	NA	NA	84.7	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	01/25/88	ND	NA	NA	NA	1740.7	NA	NA	ND	NA	NA	NA
555.0	Marina Del Rey/Basin G	TCM	12/19/88	304.6	NA	NA	NA	1451.3	NA	NA	93.2	NA	NA	NA
555.2	Marina Del Rey/Basin D	TCM	01/25/88	288.2	NA	NA	NA	1345.0	NA	NA	98.5	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	01/25/88	ND	NA	NA	NA	1141.6	NA	NA	ND	NA	NA	NA
556.0	Marina Del Rey/Basin E	TCM	12/19/88	424.1	NA	NA	NA	2455.4	NA	NA	46.9	NA	NA	NA
557.0	Marina Del Rey/Ballona Creek	RBM	01/25/88	162.0	NA	NA	NA	171.2	NA	NA	ND	NA	NA	NA
559.0	King Harbor	TCM	12/28/87	572.4	NA	NA	NA	1185.7	NA	NA	159.5	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/28/87	398.8	NA	NA	NA	2254.4	NA	NA	150.9	NA	NA	NA
601.0	LA Harbor/National Steel	TCM	12/19/88	497.8	NA	NA	NA	2666.7	NA	NA	124.4	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
554.0	NA	NA	874.7	NA	NA	NA	NA	931.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	1407.4	NA	NA	NA	NA	1481.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
555.2	NA	NA	1080.8	NA	NA	NA	NA	1152.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	861.2	NA	NA	NA	NA	1021.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
556.0	NA	NA	1674.1	NA	NA	NA	NA	2678.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
557.0	NA	NA	183.4	NA	NA	NA	NA	189.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
559.0	NA	NA	899.5	NA	NA	NA	NA	899.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
601.0	NA	NA	1907.5	NA	NA	NA	NA	2080.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
601.0	NA	NA	2488.9	NA	NA	NA	NA	3733.3	NA	NA	42.7	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
554.0	36.7	NA	NA	73.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.0	ND	NA	NA	251.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
555.0	50.2	NA	NA	98.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
555.2	ND	NA	NA	194.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	ND	NA	NA	152.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
556.0	93.7	NA	NA	133.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
557.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
559.0	ND	NA	NA	165.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
601.0	166.5	NA	NA	468.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
601.0	168.9	NA	NA	551.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
601.0	LA Harbor/National Steel	RCM	12/22/89	3125.0	218.8	3281.3	ND	3125.0	ND	NA	1078.1	656.3	156.3	1359.4
602.0	LA Harbor/West Basin	TCM	12/28/87	385.9	NA	NA	NA	940.6	NA	NA	151.9	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/28/87	269.3	NA	NA	NA	1561.8	NA	NA	131.0	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/19/88	ND	NA	NA	NA	2088.6	NA	NA	ND	NA	NA	NA
602.5	LA Harbor/Todd Shipyards	TCM	12/22/89	2000.0	200.0	2166.7	300.0	2333.3	233.3	NA	683.3	316.7	116.7	783.3
602.7	LA Harbor/Pacific Ave/Storm Drain	TCM	12/28/87	78.4	NA	NA	NA	955.0	NA	NA	ND	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/28/87	454.0	NA	NA	NA	1242.6	NA	NA	129.0	NA	NA	NA
603.0	LA Harbor/Berth 151	TCM	12/19/88	203.9	NA	NA	NA	1144.9	NA	NA	37.6	NA	NA	NA
603.6	LA Harbor/Slip 240	TCM	12/28/87	119.2	NA	NA	NA	564.6	NA	NA	ND	NA	NA	NA
603.8	LA Harbor/West Channel	TCM	12/28/87	ND	NA	NA	NA	193.9	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
601.0	1390.6	ND	2812.5	ND	734.4	3750.0	6250.0	5468.8	453.1	593.8	125.0	46.9	890.6	ND	234.4	31.3	ND
602.0	NA	NA	820.0	NA	NA	NA	NA	675.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	1669.5	NA	NA	NA	NA	1795.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	NA	NA	2234.3	NA	NA	NA	NA	2914.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
602.5	916.7	33.3	1666.7	ND	ND	1833.3	3333.3	3333.3	500.0	433.3	83.3	ND	50.0	ND	166.7	183.3	ND
602.7	NA	NA	784.0	NA	NA	NA	NA	798.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	1123.1	NA	NA	NA	NA	1123.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.0	NA	NA	1301.8	NA	NA	NA	NA	1411.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.6	NA	NA	480.9	NA	NA	NA	NA	501.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
603.8	NA	NA	170.5	NA	NA	NA	NA	149.2	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
601.0	ND	406.3	ND	1000.0	ND	312.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	179.5	NA	NA	359.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
602.5	167.6	NA	NA	267.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
602.5	250.0	200.0	ND	450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
602.7	59.9	NA	NA	124.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	ND	NA	NA	174.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.0	45.5	NA	NA	89.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
603.6	ND	NA	NA	87.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
603.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
605.0	LA Harbor/Cabrillo Pier	TCM	12/19/88	127.9	NA	NA	NA	829.2	NA	NA	ND	NA	NA	NA
606.2	LA Harbor/Fish Harbor	TCM	12/28/87	137.1	NA	NA	NA	587.5	NA	NA	ND	NA	NA	NA
606.3	LA Harbor/Watchorn Basin	TCM	12/28/87	188.5	NA	NA	NA	392.8	NA	NA	ND	NA	NA	NA
609.0	LB Harbor/Tide Gauge	TCM	12/28/87	ND	NA	NA	NA	249.8	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/28/87	ND	NA	NA	NA	629.7	NA	NA	ND	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/19/88	93.4	NA	NA	NA	872.6	NA	NA	49.0	NA	NA	NA
616.0	LA Harbor/Consolidated Slip	TCM	12/22/89	1625.0	125.0	1583.3	ND	1583.3	ND	NA	416.7	333.3	83.3	958.3
662.0	Royal Palms	RCM	12/28/87	ND	NA	NA	NA	88.3	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/19/88	ND	NA	NA	NA	234.7	NA	NA	ND	NA	NA	NA
662.0	Royal Palms	RCM	12/22/89	ND	ND	306.1	ND	346.9	ND	NA	102.0	ND	ND	40.8

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
605.0	NA	NA	687.1	NA	NA	NA	NA	947.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.2	NA	NA	373.9	NA	NA	NA	NA	373.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
606.3	NA	NA	255.3	NA	NA	NA	NA	294.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
609.0	NA	NA	167.7	NA	NA	NA	NA	165.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	856.4	NA	NA	NA	NA	1309.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	NA	NA	1423.7	NA	NA	NA	NA	2602.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
616.0	916.7	ND	1583.3	500.0	416.7	2458.3	5000.0	3708.3	500.0	375.0	125.0	ND	ND	ND	166.7	291.7	ND
662.0	NA	NA	64.1	NA	NA	NA	NA	69.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
662.0	NA	NA	167.6	NA	NA	NA	NA	121.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
662.0	ND	ND	224.5	ND	40.8	122.4	81.6	632.7	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
605.0	ND	NA	NA	80.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
606.2	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
606.3	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
609.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	156.2	NA	NA	327.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
616.0	199.0	NA	NA	505.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
616.0	333.3	291.7	ND	666.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
662.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
662.0	ND	40.8	ND	40.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
707.0	Anaheim Bay/Navy Harbor	TCM	12/30/87	ND	NA	NA	NA	278.6	NA	NA	ND	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/19/88	49.6	NA	NA	NA	347.5	NA	NA	38.1	NA	NA	NA
707.0	Anaheim Bay/Navy Harbor	TCM	12/27/89	206.2	20.6	329.9	ND	299.0	ND	NA	82.5	ND	ND	92.8
708.0	Anaheim Bay/Navy Marsh	TCM	12/30/87	115.0	NA	NA	NA	201.9	NA	NA	ND	NA	NA	NA
708.0	Anaheim Bay/Navy Marsh	TCM	12/27/89	738.5	100.0	730.8	ND	707.7	ND	NA	653.8	ND	ND	269.2
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/30/87	ND	NA	NA	NA	351.4	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/19/88	50.4	NA	NA	NA	452.2	NA	NA	ND	NA	NA	NA
710.2	Anaheim Bay/Fuel Docks/South	TCM	12/27/89	246.0	31.7	373.0	ND	373.0	ND	NA	111.1	31.7	ND	119.0
713.0	Huntington Harbour/Edinger Street	TCM	12/30/87	166.6	NA	NA	NA	298.9	NA	NA	ND	NA	NA	NA
713.0	Huntington Harbour/Edinger Street	TCM	12/27/89	ND	25.6	269.2	ND	243.6	ND	NA	38.5	38.5	ND	76.9

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
707.0	NA	NA	260.1	NA	NA	NA	NA	315.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	NA	NA	446.7	NA	NA	NA	NA	397.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
707.0	ND	ND	206.2	ND	ND	216.5	412.4	433.0	51.5	30.9	ND	ND	ND	ND	ND	30.9	ND
708.0	NA	NA	204.2	NA	NA	NA	NA	171.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
708.0	ND	ND	846.2	ND	223.1	400.0	361.5	1153.8	615.4	146.2	ND	ND	ND	ND	130.8	230.8	ND
710.2	NA	NA	351.4	NA	NA	NA	NA	449.0	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	NA	NA	556.5	NA	NA	NA	NA	730.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
710.2	ND	ND	269.8	39.7	87.3	293.7	31.7	555.6	63.5	39.7	ND	ND	ND	ND	23.8	31.7	ND
713.0	NA	NA	256.2	NA	NA	NA	NA	234.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
713.0	ND	ND	153.8	ND	51.3	153.8	76.9	423.1	38.5	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
707.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
707.0	ND	NA	NA	49.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
707.0	20.6	20.6	ND	61.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
708.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
708.0	669.2	215.4	ND	276.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
710.2	ND	NA	NA	83.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
710.2	ND	NA	NA	57.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
710.2	23.8	23.8	ND	79.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
713.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
713.0	ND	ND	ND	51.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 In Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/30/87	ND	NA	NA	NA	436.5	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/19/88	53.1	NA	NA	NA	584.3	NA	NA	ND	NA	NA	NA
715.0	Huntington Harbour/Warner Ave Brdg	TCM	12/27/89	950.0	ND	975.0	ND	1100.0	ND	NA	375.0	275.0	ND	475.0
717.0	Huntington Harbour/Harbor Lane	TCM	12/30/87	ND	NA	NA	NA	436.2	NA	NA	ND	NA	NA	NA
717.0	Huntington Harbour/Harbor Lane	TCM	12/19/88	66.5	NA	NA	NA	383.0	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/21/87	ND	NA	NA	NA	318.5	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/20/88	ND	NA	NA	NA	187.1	NA	NA	ND	NA	NA	NA
721.0	Newport Bay/Entrance	TCM	12/27/89	194.4	27.8	333.3	ND	402.8	ND	NA	83.3	ND	ND	97.2
723.0	Newport Bay/Bay Island	TCM	12/21/87	102.8	NA	NA	NA	209.1	NA	NA	ND	NA	NA	NA
723.0	Newport Bay/Bay Island	TCM	12/27/89	313.3	36.1	578.3	ND	457.8	ND	NA	144.6	60.2	ND	228.9

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
715.0	NA	NA	756.6	NA	NA	NA	NA	931.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	NA	NA	1062.3	NA	NA	NA	NA	1593.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
715.0	725.0	ND	1275.0	150.0	300.0	1425.0	125.0	3075.0	350.0	275.0	ND	ND	ND	ND	100.0	175.0	ND
717.0	NA	NA	637.6	NA	NA	NA	NA	1006.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
717.0	NA	NA	705.5	NA	NA	NA	NA	806.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	255.6	NA	NA	NA	NA	325.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	NA	NA	80.6	NA	NA	NA	NA	76.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
721.0	ND	ND	236.1	27.8	ND	236.1	500.0	472.2	55.6	ND	ND	ND	ND	ND	ND	41.7	ND
723.0	NA	NA	209.1	NA	NA	NA	NA	191.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.0	ND	ND	337.3	ND	96.4	409.6	783.1	771.1	84.3	36.1	ND	ND	ND	ND	24.1	48.2	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
715.0	ND	NA	NA	168.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
715.0	67.3	NA	NA	115.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
715.0	150.0	175.0	ND	450.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
717.0	ND	NA	NA	194.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
717.0	42.3	NA	NA	70.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
721.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
721.0	ND	27.8	ND	83.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
723.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.0	36.1	36.1	ND	132.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
723.4	Newport Bay/Turning Basin	TCM	12/21/87	276.2	NA	NA	NA	477.0	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/20/88	ND	NA	NA	NA	390.4	NA	NA	ND	NA	NA	NA
723.4	Newport Bay/Turning Basin	TCM	12/27/89	314.3	57.1	485.7	ND	628.6	ND	NA	114.3	ND	ND	285.7
724.0	Newport Bay/Highway 1 Bridge	TCM	12/21/87	ND	NA	NA	NA	435.2	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/20/88	57.9	NA	NA	NA	361.6	NA	NA	ND	NA	NA	NA
724.0	Newport Bay/Highway 1 Bridge	TCM	12/27/89	296.3	61.7	469.1	ND	518.5	ND	NA	160.5	61.7	ND	284.0
725.0	Newport Bay/Crows Nest	TCM	12/21/87	732.5	NA	NA	NA	1558.4	NA	NA	99.7	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/20/88	253.9	NA	NA	NA	ND	NA	NA	59.2	NA	NA	NA
725.0	Newport Bay/Crows Nest	TCM	12/27/89	2063.5	381.0	3650.8	ND	4317.5	285.7	NA	619.0	285.7	111.1	841.3
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/21/87	653.2	NA	NA	NA	1500.0	NA	NA	145.2	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
723.4	NA	NA	376.6	NA	NA	NA	NA	351.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	NA	NA	292.8	NA	NA	NA	NA	341.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
723.4	200.0	ND	342.9	ND	100.0	414.3	157.1	814.3	85.7	42.9	ND	ND	ND	ND	28.6	28.6	ND
724.0	NA	NA	518.1	NA	NA	NA	NA	704.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	NA	NA	470.1	NA	NA	NA	NA	452.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
724.0	ND	ND	432.1	ND	123.5	419.8	185.2	864.2	86.4	ND	ND	ND	ND	ND	37.0	49.4	ND
725.0	NA	NA	810.4	NA	NA	NA	NA	950.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
725.0	NA	NA	1565.8	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
725.0	904.8	ND	1587.3	ND	634.9	2031.7	3809.5	3968.3	444.4	349.2	79.4	ND	47.6	ND	158.7	206.3	ND
726.0	NA	NA	822.6	NA	NA	NA	NA	871.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
723.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
723.4	ND	NA	NA	56.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
723.4	57.1	28.6	ND	114.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
724.0	ND	NA	NA	118.1	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
724.0	ND	NA	NA	48.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
724.0	49.4	49.4	ND	148.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
725.0	87.3	NA	NA	218.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
725.0	101.6	NA	NA	571.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
725.0	222.2	190.5	ND	619.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
726.0	ND	NA	NA	186.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
726.0	Newport Bay/Rhine Channel/Upper	TCM	12/20/88	1075.5	NA	NA	NA	3871.7	NA	NA	191.4	NA	NA	NA
726.2	Newport Bay/Rhine Channel/26th Ave	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/21/87	83.6	NA	NA	NA	191.7	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/20/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
726.4	Newport Bay/Rhine Channel/End	TCM	12/27/89	2884.6	634.6	5961.5	ND	7115.4	557.7	NA	615.4	461.5	211.5	1326.9
728.4	Upper Newport Bay/MacArthur	TFC	12/20/88	108.3	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.4	Upper Newport Bay/MacArthur	TFC	03/14/90	102.0	20.4	142.9	ND	163.3	ND	NA	30.6	ND	ND	61.2
728.5	Upper Newport Bay/Drain 2	TFC	03/14/90	55.1	15.7	102.4	ND	86.6	ND	NA	ND	ND	ND	31.5
728.6	Upper Newport Bay/San Diego Cr 1	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
728.8	Upper Newport Bay/San Diego Cr 2	TFC	03/07/88	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
726.0	NA	NA	2000.4	NA	NA	NA	NA	3011.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.2	NA	NA	136.8	NA	NA	NA	NA	127.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	244.0	NA	NA	NA	NA	226.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	NA	NA	111.1	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
726.4	1365.4	38.5	2692.3	ND	1000.0	3076.9	5961.5	5384.6	653.8	557.7	115.4	ND	76.9	ND	269.2	288.5	ND
728.4	NA	NA	87.7	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.4	ND	ND	61.2	ND	81.6	81.6	61.2	163.3	ND	20.4	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	47.2	ND	31.5	47.2	39.4	102.4	ND	15.7	ND	ND	ND	ND	ND	ND	ND
728.6	NA	NA	111.1	NA	NA	NA	NA	111.1	NA	NA	ND	NA	NA	NA	NA	NA	NA
728.8	NA	NA	49.9	NA	NA	NA	NA	50.8	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
726.0	105.4	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.2	ND	NA	NA	36.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
726.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
726.4	326.9	269.2	ND	846.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.4	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
728.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
728.6	31.1	NA	NA	31.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
728.8	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
728.9	Upper Newport Bay/Drain 5	TFC	03/14/90	ND	ND	42.6	ND	42.6	ND	NA	21.3	ND	ND	21.3
744.2	San Onofre 2	TCM	11/22/89	ND	ND	14.8	ND	44.4	ND	NA	ND	ND	ND	29.6
744.3	San Onofre 3	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.3	San Onofre 3	TCM	04/04/90	ND	ND	ND	ND	14.3	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	11/22/89	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.4	San Onofre 4	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.5	San Onofre 5	TCM	11/22/89	ND	ND	20.8	ND	41.7	ND	NA	ND	ND	ND	41.7
744.5	San Onofre 5	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
744.6	San Onofre 6	TCM	11/22/89	ND	ND	19.0	ND	19.0	ND	NA	ND	ND	ND	19.0
744.6	San Onofre 6	TCM	04/04/90	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
728.9	ND	ND	42.6	ND	31.9	31.9	21.3	148.9	21.3	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	14.8	ND	ND	22.2	ND	66.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	17.4	ND	ND	ND	ND	60.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	22.6	ND	ND	ND	ND	52.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	11.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	27.8	ND	ND	27.8	ND	97.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	12.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	19.0	ND	ND	19.0	ND	57.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	13.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
728.9	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
744.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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NA = Not Analyzed
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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
750.0	Oceanside	RCM	12/21/87	ND	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA
750.0	Oceanside	RCM	12/21/89	ND	ND	64.5	ND	193.5	ND	NA	ND	ND	ND	64.5
865.0	Mission Bay/Hilton Docks	TCM	12/21/89	ND	ND	ND	ND	85.7	ND	NA	ND	ND	ND	85.7
868.5	Mission Bay/Landfill 1	TCM	12/21/89	150.9	ND	169.8	ND	245.3	ND	NA	37.7	ND	ND	94.3
882.7	San Diego Bay/Sampson Street Pier	TCM	12/22/87	414.5	NA	NA	NA	1168.0	NA	NA	169.5	NA	NA	NA
882.7	San Diego Bay/Sampson Street Pier	TCM	12/21/88	413.8	NA	NA	NA	2049.4	NA	NA	ND	NA	NA	NA
882.8	San Diego Bay/KELCO Pier	TCM	12/21/88	175.4	NA	NA	NA	1096.2	NA	NA	ND	NA	NA	NA
882.9	San Diego Bay/Coronado Brdg/East	TCM	12/21/88	239.0	NA	NA	NA	1651.0	NA	NA	73.9	NA	NA	NA
883.1	San Diego Bay/Chollas Creek	TCM	12/21/88	93.1	NA	NA	NA	818.4	NA	NA	ND	NA	NA	NA
883.6	San Diego Bay/7th Street Channel	TCM	12/22/87	420.0	NA	NA	NA	620.0	NA	NA	94.0	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
750.0	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
750.0	ND	ND	96.8	ND	ND	ND	129.0	322.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	57.1	ND	ND	57.1	ND	200.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	56.6	ND	207.5	ND	75.5	188.7	ND	434.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	NA	NA	1243.4	NA	NA	NA	NA	1337.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.7	NA	NA	2364.7	NA	NA	NA	NA	2758.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.8	NA	NA	1607.7	NA	NA	NA	NA	1753.8	NA	NA	ND	NA	NA	NA	NA	NA	NA
882.9	NA	NA	1781.4	NA	NA	NA	NA	2606.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.1	NA	NA	1187.4	NA	NA	NA	NA	1123.3	NA	NA	ND	NA	NA	NA	NA	NA	NA
883.6	NA	NA	620.0	NA	NA	NA	NA	580.0	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
750.0	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
750.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
865.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
868.5	ND	ND	ND	56.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
882.7	103.6	NA	NA	244.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
882.7	130.1	NA	NA	275.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
882.8	87.7	NA	NA	175.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
882.9	141.2	NA	NA	217.2	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.1	67.4	NA	NA	77.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
883.6	ND	NA	NA	120.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA

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APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
883.6	San Diego Bay/7th Street Channel	TCM	12/21/88	221.4	NA	NA	NA	1021.1	NA	NA	39.4	NA	NA	NA
885.2	San Diego Bay/32nd Street	TCM	12/21/88	156.7	NA	NA	NA	883.0	NA	NA	ND	NA	NA	NA
885.4	San Diego Bay/NASSCO 28th St Pier	TCM	12/21/88	63.2	NA	NA	NA	632.3	NA	NA	ND	NA	NA	NA
886.2	San Diego Gas&Electric Silvergate	TCM	12/21/88	225.1	NA	NA	NA	1350.5	NA	NA	57.3	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/22/87	4612.0	NA	NA	NA	10377.0	NA	NA	835.9	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/88	4933.3	NA	NA	NA	14800.0	NA	NA	1184.0	NA	NA	NA
894.0	SD Bay/Harbor Is/E Basin/Storm Dr	TCM	12/21/89	7500.0	1083.3	8541.7	2291.7	13333.3	1333.3	NA	1625.0	1312.5	458.3	2708.3
894.1	SD Bay/Harbor Is/E Basin/Storm Dr2	TCM	12/21/88	610.4	NA	NA	NA	2730.9	NA	NA	176.7	NA	NA	NA
894.2	SD Bay/Harbor Is/E Basin/E End Doc	TCM	12/21/88	1131.0	NA	NA	NA	4495.0	NA	NA	246.5	NA	NA	NA
894.3	SD Bay/Harbor Is/E Basin/Mid Chan	TCM	12/21/88	3612.1	NA	NA	NA	5418.2	NA	NA	857.9	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
883.6	NA	NA	1230.2	NA	NA	NA	NA	1353.2	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.2	NA	NA	1479.1	NA	NA	NA	NA	2030.9	NA	NA	ND	NA	NA	NA	NA	NA	NA
885.4	NA	NA	1114.0	NA	NA	NA	NA	1550.5	NA	NA	ND	NA	NA	NA	NA	NA	NA
886.2	NA	NA	1452.8	NA	NA	NA	NA	1534.6	NA	NA	ND	NA	NA	NA	NA	NA	NA
894.0	NA	NA	6053.2	NA	NA	NA	NA	6341.5	NA	NA	222.0	NA	NA	NA	NA	NA	NA
894.0	NA	NA	10360.0	NA	NA	NA	NA	7400.0	NA	NA	370.0	NA	NA	NA	NA	NA	NA
894.0	2041.7	166.7	5833.3	416.7	1854.2	6458.3	10000.0	11875.0	2020.8	1333.3	562.5	ND	145.8	62.5	625.0	854.2	ND
894.1	NA	NA	2570.2	NA	NA	NA	NA	3052.1	NA	NA	32.1	NA	NA	NA	NA	NA	NA
894.2	NA	NA	3045.0	NA	NA	NA	NA	3915.0	NA	NA	52.2	NA	NA	NA	NA	NA	NA
894.3	NA	NA	7675.8	NA	NA	NA	NA	ND	NA	NA	210.0	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
883.6	66.4	NA	NA	147.6	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.2	86.1	NA	NA	200.9	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
885.4	76.8	NA	NA	210.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
886.2	83.9	NA	NA	122.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	1066.5	NA	NA	1585.4	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
894.0	1677.3	NA	NA	2269.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.0	1229.2	791.7	125.0	1895.8	ND	ND	ND	62.5	ND	62.5	ND	ND	ND	ND	ND	ND	ND
894.1	192.8	NA	NA	449.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.2	362.5	NA	NA	754.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
894.3	1128.8	NA	NA	2189.8	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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ND = Not Detected

APPENDIX Z (continued)

State Mussel Watch Program

Summary of 1987-93 Data: PCB Congeners 105 - 207 in Mussels and Clams (ppb, lipid weight)

Station Number	Station Name	Sample Type*	Sample Date	PCB 105	PCB 107	PCB 110	PCB 114	PCB 118	PCB 122	PCB 126	PCB 128	PCB 129	PCB 134	PCB 135
894.8	Laurel Street Storm Drain	TCM	12/21/88	487.9	NA	NA	NA	1857.9	NA	NA	ND	NA	NA	NA
897.5	Commercial Basin/North Harbor Dr	TCM	12/22/87	1198.5	NA	NA	NA	2397.0	NA	NA	221.3	NA	NA	NA
898.0	Commercial Basin/Carlton Street	TCM	12/21/88	2322.0	NA	NA	NA	6801.8	NA	NA	469.1	NA	NA	NA

Station Number	PCB 136	PCB 137	PCB 138	PCB 141	PCB 146	PCB 149	PCB 151	PCB 153	PCB 156	PCB 158	PCB 170	PCB 172	PCB 173	PCB 174	PCB 176	PCB 177	PCB 179
894.8	NA	NA	1876.7	NA	NA	NA	NA	2064.4	NA	NA	ND	NA	NA	NA	NA	NA	NA
897.5	NA	NA	1548.8	NA	NA	NA	NA	1419.7	NA	NA	ND	NA	NA	NA	NA	NA	NA
898.0	NA	NA	3752.7	NA	NA	NA	NA	3283.6	NA	NA	ND	NA	NA	NA	NA	NA	NA

Station Number	PCB 180	PCB 183	PCB 185	PCB 187	PCB 189	PCB 191	PCB 193	PCB 194	PCB 195	PCB 196	PCB 197	PCB 198	PCB 199	PCB 201	PCB 205	PCB 206	PCB 207
894.8	ND	NA	NA	137.0	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA
897.5	79.3	NA	NA	221.3	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
898.0	145.4	NA	NA	539.5	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA

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APPENDIX AA

Field and Laboratory Operations

FIELD AND LABORATORY OPERATIONS

Sample Collection

The State Mussel Watch Program (SMWP) collects about 100 mussels at each station, which are randomly divided into two groups for trace element and synthetic organic chemical analysis. Based on recommendations by Goldberg (1980) and Risebrough *et al.* (1980), the SMWP samples 45 mussels, three replicates of 15 individuals each, for trace elements at each site. Trace element results in the SMWP represent a mean value for the three replicates. A single replicate of 45 composited individuals is analyzed for synthetic organic compounds.

Mussels of 55 to 65 mm in length are collected wherever possible in order to reduce size related effects. Similarly, freshwater clams of 20 to 30 mm in length are collected. Mussels are collected from the highest tidal height where they occur in adequate numbers to reduce variability induced by habitat height. Stainless steel pry bars are used to collect mussels off rocks. The pry bars are cleaned and rinsed in the laboratory and rinsed again with seawater prior to use. Freshwater clams are collected by towing a dredge

At locations where mussels are unavailable and sampling can be accomplished using scuba equipment, transplanted samples are used. The mussel transplant system, consisting of a bottom anchored float buoy used in water up to 40 m depth, is shown in Figure AA-1. Transplanted mussels are placed in polypropylene mesh bags and kept cool in ice chests for no more than 24 hours prior to deployment. To minimize the risk of contamination of the mussel from boat exhaust or surface film during deployment or retrieval, mussel samples are placed in polyethylene bags, where they remain until submerged and deployed. Upon retrieval from the subsurface buoy system, samples are again placed in polyethylene bags before being brought through the air-water interface. Once collected, the transplants are triple bagged. To minimize contamination caused by handling the mussel samples, polyethylene gloves are worn during collection, as well as processing, of mussel samples. Similar bags of freshwater clams are usually tied to plastic stakes placed off the bottom or are attached to submerged structures. A two month transplant period is adequate in most cases where pollutant uptake rates are expected to be high, but for trace elements in less contaminated environments, six month interval may be necessary for an adequate sample (Stephenson *et al.* 1980). A four to six month transplant interval is used for organic chemicals to be consistent with transplant periods for trace elements.

Mussels and clams to be analyzed for trace elements are placed in a ZIPLOCK® polyethylene bag of 4 mm thickness. The samples are placed inside two additional polyethylene ZIPLOCK® bags. Mussels to be analyzed for synthetic organic compounds are placed in a bag constructed of two layers of "heavy duty"aluminum foil. Prior to use, the foil is cleaned by heating to 500° C or by rinsing in hexane. Samples in the foil bags are placed in two polyethylene ZIPLOCK® bags. After bagging, all samples are placed in non-metallic ice chests and frozen using dry ice and stored at or below -20° C until processed.

Laboratory Analysis

A detailed description of procedures and techniques discussed below can be found in the Department of Fish and Game's (DFG) *Laboratory Quality Assurance Program Plan* (DFG 1990). The following is a summary of the 1987-93 Quality Assurance/Quality Control (QA\QC) results provided by the DFG's Moss Landing Laboratory. Copies of the Laboratory Quality Assurance Program Plan and QA\QC results are available upon request. Additional QA/QC information is also provided in *Quality Assurance Report for the Analysis of Marine Bivalve Tissue and Sediment for Organic Contaminants in the California State Mussel Watch Program 1987-1993* (Newman *et al.* 1994)

Trace Elements Analytical Techniques in Tissue and Sediment

The following procedures were employed for mussel dissection and homogenization for trace element analysis: Frozen mussels were removed individually from the bags, cleaned of epiphytic organisms and debris under running deionized water by personnel wearing polyethylene gloves, and allowed to thaw in clean polyethylene trays. Adductor muscles were severed and gonads removed with a MICRO®-cleaned stainless steel scalpel. Gonads were removed from mussels to reduce variability in trace element concentrations due to the sex of the organism (Stephenson *et al.* 1987). The remainder of the soft part was placed in a pre-weighted, acid-cleaned polypropylene 4 oz. jar and re-weighed. The shell lengths were also taken at this time. Samples were then homogenized to a paste-like consistency in the jars using a Brinkmann Polytron (Model PT10-35) equipped with a titanium generator (Model PTA 20). The homogenized samples were then refrozen at -20° C until analyzed. The same procedures were used on freshwater clams except that the entire soft body of the clam (including gonads) was used.

A Perkin-Elmer Model 2280 spectrophotometer with deuterium arc background corrector and digital display was used for techniques employing conventional (flame) atomic absorption spectrophotometry (Al, Cd, Cu, Mn, Zn) and cold vapor technique for mercury. A Perkin-Elmer Model 3030 Zeeman atomic absorption spectrophotometer equipped with an HGA-600 graphite furnace and an AS-60 autosampler was used for techniques requiring a graphite furnace (Ag, As, Cr, Ni, Pb, Se). All analytical values were corrected using procedural blanks. Trace element detection limits are presented in Table AA-1. From July 1, 1987 through June 30, 1990 the technique used for digesting samples was known as "beaker digestion". From July 1, 1990 through June 30, 1993 the technique used for digesting samples was known as "teflon vessel digestion". Separate techniques were performed on sediments and tissues in the "teflon vessel digestion" technique.

The "beaker digestion" technique was performed as followed: Samples were weighed into pre-cleaned 30 ml Pyrex glass beakers. Digestion of each sample was accomplished by adding concentrated 5 ml double distilled HNO_3 and heating the beaker on a hotplate. After the initial reaction, the sample was refluxed for 2-3 hours. Each sample was then evaporated almost to dryness. The volume was brought back up by adding 2 ml of 1% concentrated double distilled HNO_3 . The sample was then again evaporated almost to dryness. The digestate was diluted to 20 ml with 1% concentrated double distilled HNO_3 and transferred to a clean polyethylene bottle.

The "teflon vessel digestion" technique for tissue was performed as follows: Samples were weighed into pre-cleaned 125 ml teflon digestion vessels. Digestion of each tissue sample was accomplished by adding a 4:1 concentrated HNO_3: concentrated $HClO_4$ mixture and heating the sample on a

warm (≈75°) hotplate. After the initial reaction, the teflon vessel was capped and heated in a 130° C oven for four hours. Once the digestate had cooled it was transferred to a clean polyethylene bottle and diluted with 20 ml Type II water. Sediment samples were digested using the same mixture as tissue samples except, instead of warming on a hotplate, sediment samples were heated in a 130° C oven for four hours. After the initial reaction, hydrofluoric acid was added to the sediment sample and the teflon vessel returned to a 130° C oven for 12 hours. Twenty ml of boric acid (2.5%) was added to each sediment sample before again returning to a 130° C oven for another 8 hours. Once the digestate was cool it was transferred to a clean polyethylene bottle.

To protect sample integrity, all materials contacting samples during laboratory operations were analyzed for trace element content. To ensure accuracy, reference materials from the National Bureau of Standards (NBS) were analyzed (Table AA-2).

Synthetic Organic Compounds Analytical Techniques in Tissues and Sediments

Samples were dissected in the same manner as trace element samples except gonads were not removed. Gonads were included because a high percentage of the whole body concentrations for most organic chemicals occur in this tissue. The dissection was conducted on a sheet of oven fired or hexane rinsed aluminum foil. The homogenization procedure was the same as for trace elements except a stainless steel shaft and blade was substituted for the titanium blade and shaft. All samples were stored at -20° C until extraction and analysis.

Summaries of the methods in use over the past six years are outlined below. Synthetic organic compound and polynuclear aromatic hydrocarbons (PAHs) detection limits are listed in Tables AA-3 and AA-4, respectively. Fractionated distribution of synthetic organic compounds are presented in Table AA-5. Results of standard reference materials starting in 1990-91 are presented in Table AA-6. Duplicate analyses results for synthetic organic compounds and PAHs are presented in Tables AA-7 and AA-8.

Analytical Methods for FY 87-88 through FY 89-90

Tissue samples (50g) were extracted using the methods described in the FDA's 1990 edition of the Pesticide Analytical Manual: *Methods Which Detect Multiple Residues* (PAM) by McMahon *et al.* (1990) using the "General Methods for Fatty Foods". Sediment samples (30g) were extracted with acetone and petroleum ether mixture. All samples were fractionated on Florisil using petroleum ether (F1 Fraction), 6% ethyl ether (F2 Fraction), 15% ethyl ether (F3 Fraction), 50% ethyl ether (F4 Fraction) and concentrated as described in PAM. Synthetic standards were fractionated to determine the column fractionation characteristics.

All organic chemicals were analyzed by capillary gas chromatography (GC) using Hewlett-Packard 5890A gas chromatographs. Synthetic organics (SOs) were analyzed on an instrument equipped with dual 30m x 0.25mm i.d. columns of different polarities (J&W Scientific, DB-5 and DB-17) and Ni^{63} electron capture detectors (ECDs). A Hewlett-Packard Pascal ChemStation system was used to acquire and analyze all data.

In FY 87-88 through FY 89-90, PAHs were analyzed from the recombination of the F2 Fraction and the F3 Fraction collected for synthetic organics analysis. Polyaromatic hydrocarbon (PAH) analysis was accomplished with an HP 5890A attached to a Finnigan Model ITD 800 ion trap detector. Sample aliquots were delivered to the detector via on-column injection onto a 30m x 0.25mm i.d. DB-5 column. Spectral data were acquired in a multiple ion mode (MID) such that the base peak and two qualifier ions were monitored for each analyte of interest. Three point calibration curves ranging from 0.025 to 4.0 ng/μl were generated and fitted with linear curve fits ($r > 0.998$). All PAH data were acquired and quantitated using an IBM compatible micro computer and Finnigan ITDS v.4 Software Package.

In FY 88-89 and FY 89-90 polychlorinated biphenyls (PCBs) were quantitated as both unique congeners and technical mixtures. In FY 88-89, PCB congeners were quantitated in the F1 Fraction using a three point calibration curve. Dilutions of the National Institute of Standards Technology (NIST) Concentrated PCB Standard ranging from 2 pg/μl to 200 ng/μl were used to calibrate the instrumentation during the standard synthetic organic analysis. In FY 89-90, PCB congener data were quantitated with a six point calibration curve of a 1:1:1 mixture of Aroclors 1242, 1254, and 1260. The EPA Lot#s of Aroclors used to make these standards were fully characterization by Schulz *et al.* (1989) making the mixture quantitative for congeners. The response factors of coeluting domains were generated in house. The quantitation standard ranged from 0.15 to 15 ng/μl total Aroclor.

Quality assurance data for these years consisted of precision measurements through method duplicate analyses for synthetic organics in tissues. Method performance was further evaluated through the use of matrix spike recoveries and the analysis of split homogenates. Each year, multiple homogenates were split and analyzed at both the DFG Water Pollution Control Laboratory in Rancho Cordova and at the Trace Organics Facility, University of California, Santa Cruz. Analytical comparability was deemed acceptable for each year and verified by the project QA Officer.

All data results were hand transcribed and submitted to the Department of Fish and Game, Moss Landing Laboratory for entry into the SMWP database.

Analytical Methods for FY 90-91

Samples for synthetic organic analysis were processed as in FY 89-90. Tissue samples for PAH analysis were extracted and prepared for GC/ITD analysis using internal standard methodologies as described by Krahn et al. (1988). Samples (5g) were extracted with methylene chloride and coextracted biologicals were removed by silica/alumina gravity flow columns followed by size exclusion chromatography on a high performance liquid chromatograph (SEC/HPLC).

Acquisition and analytical systems were the same as in previous years.

Quality assurance associated with the analysis for this year consisted of precision measurements through method duplicate analyses in tissues and sediments, accuracy measurements for tissue through the analysis of standard reference materials (SRMs), and interference checks through the analysis of method blanks.

During FY 90-91 an organics laboratory database to be used for report generation was developed. All raw data were initially entered into this database and hard copies of final report values were submitted for entry into the main SMWP database.

Analytical Methods for FY 91-92

Tissue (5g) and sediment (10g) samples were extracted and prepared for organic contaminant analyses using the methods described for PAH analyses in FY 90-91. Internal standards were used for both synthetic organic and PAH analyses. Tissue extracts were subdivided such that one quarter was used for synthetic organic analysis, one half was used for PAH analysis, and one quarter was used for gravimetric lipid weight determinations. The synthetic organic sub-sample was fractionated on silica and alumina columns to isolate the PCBs from the polar chlorinated pesticides using one percent methylene chloride in pentane (F1 Fraction) followed by straight methylene chloride (F2 Fraction). Sediment extracts were treated similarly except lipid weight determinations were not performed and one half of the extract was used for synthetic organic analysis. All data analysis was performed as in FY 90-91.

During this year's analysis, PCB congener data were but not reported. Instruments were calibrated with standards prepared in house from neat materials. Data was recorded for 12 of the 18 NIST congeners as well as 12 additional environmentally significant congeners.

Quality assurance associated with the analysis for this year consisted of precision measurements through method duplicate analyses in tissues and sediments, accuracy measurements for tissue through the analysis of SRMs and sediments through the analysis of matrix spikes, and interference checks through the analysis of method blanks.

As in FY 90-91, all raw data were initially entered into the organics laboratory database and hard copies of final reported values were submitted for entry into the main SMWP database.

Analytical Methods for FY 92-93

In FY 92-93, all sample preparation and analysis was performed as in FY 91-92 except new data acquisition systems were used. All synthetic organic data were acquired and analyzed using a Hewlett-Packard DOS based ChemStation systems. Also, a Hewlett-Packard 5971A Mass Selective Detector was substituted for the Finnigan ion trap, the chromatographic column length was increased to 60m, and samples were introduced using splitless injections. Spectral data were acquired in a selective ion mode (SIM) such that the base peak and two qualifier ions were monitored for each analyte of interest. Three point calibration curves ranging from 0.025 to 4.0 ng/μl were generated and fitted with linear curve fits ($r > 0.998$).

During this year, PCB congener data were acquired, but not reported. Instruments were calibrated with standards prepared in house from neat materials. Data were recorded for all of the 18 NIST congeners as well as 33 additional environmentally significant congeners. In addition, Aroclor concentrations were calculated during this year from congener data. Briefly, a compositional analysis was performed on all in house Aroclor mixtures providing conversion factors for PCB congener concentrations to Aroclor concentrations. Aroclor 1260 values were generated from congeners 194, 195, 201, and 203. Aroclor 1248 values were generated from congeners 18, 31, and 28. Aroclor 1254 values were generated from congeners 99, 118, 128, and 138. The bias induced in Aroclor 1254 quantitation congeners by the presence of other Aroclors was removed by subtraction prior to calculation. The values generated by this approach compared well with values calculated using classical approaches as shown by in house tests and round robin exercises with the DFG Water Pollution Control Laboratory in Rancho Cordova.

Quality assurance associated with the analysis for this year consisted of precision measurements through method duplicate analyses in tissues and sediments, accuracy measurements through the analysis of SRMs, and interference checks through the analysis of method blanks.

All data results were electronically imported into the organic laboratory database structure and electronic data copies were submitted to the Department of Fish and Game, Moss Landing Laboratory for incorporation into the SMWP database.

Analytical Techniques for Tributyltin (TBT)

Tributyltin was extracted from tissues by centrifugation 10 g of tissue, 10 ml of 50% HCL, and 25 ml of methylene chloride for 15 hours. The methylene chloride was removed and evaporated under a stream of air and the residue is dissolved in hexane. The hexane was washed in a 3% NaOH solution to remove all monobutyl- and dibutyl-tins and re-evaporated to dryness. The residue was digested with 1 ml of concentrated nitric acid and diluted to 5 ml with deionized water. The solution was analyzed on a Perkin Elmer Model 3030 Zeeman Atomic Absorption Spectrophotometer equipped with a Model 500 Graphite Furnace and an AS60 Autosampler. Ten μl sample was co-injected with 10 μl of matrix modifier consisting of 100 μg phosphate and 10 μg magnesium nitrate per injection. Tributyltin detection limits are provided in Table AA-3. Results of duplicate sample and reference material analysis for tributyltin are provided in Table AA-9.

Procedure for Lipid Determination

FY 1987-88 through FY 1990-91

A thoroughly homogenized sample weighing approximately 5 g (wet weight) was dried and macerated with anhydrous granular Na_2SO_4. The dried sample was transferred to a blender with 150 ml of petroleum ether and blended for two minutes at high speed. The liquid was suction-filtered into a 500 ml filter flask through a 10 cm Buchner funnel containing Whatman #42 filter paper. The sample was blended once more with an additional 100 ml of petroleum ether and filtered. The filtrate was concentrated to approximately 25 ml with heat (steam bath) and air. The remaining filtrate was then quantitatively transferred into a 50 ml preweighed planchet. The petroleum ether was evaporated off, the planchet containing the residue is reweighed and the percent lipid is calculated.

FY 1991-92

In FY 1991-92, the following changes were made in the lipid determination method: a 25 ml portion from the 100 ml extraction was used, methylene chloride replaced petroleum ether as the solvent, and the sample was air dried only, steam baths were not used.

FY 1992-93

In FY 1992-93, the 25 ml sample was transferred to a preweighed 50 ml pear shaped flask. The methylene chloride solvent was removed using a Bucchi Roto-vap. The sample was then dried to 110° C for two hours. The residue was reweighed and the percent lipid was calculated.

Figure AA-1 DIAGRAM OF THE TRANSPLANT SYSTEM DEPLOYED IN CALIFORNIA BAYS AND ESTUARIES

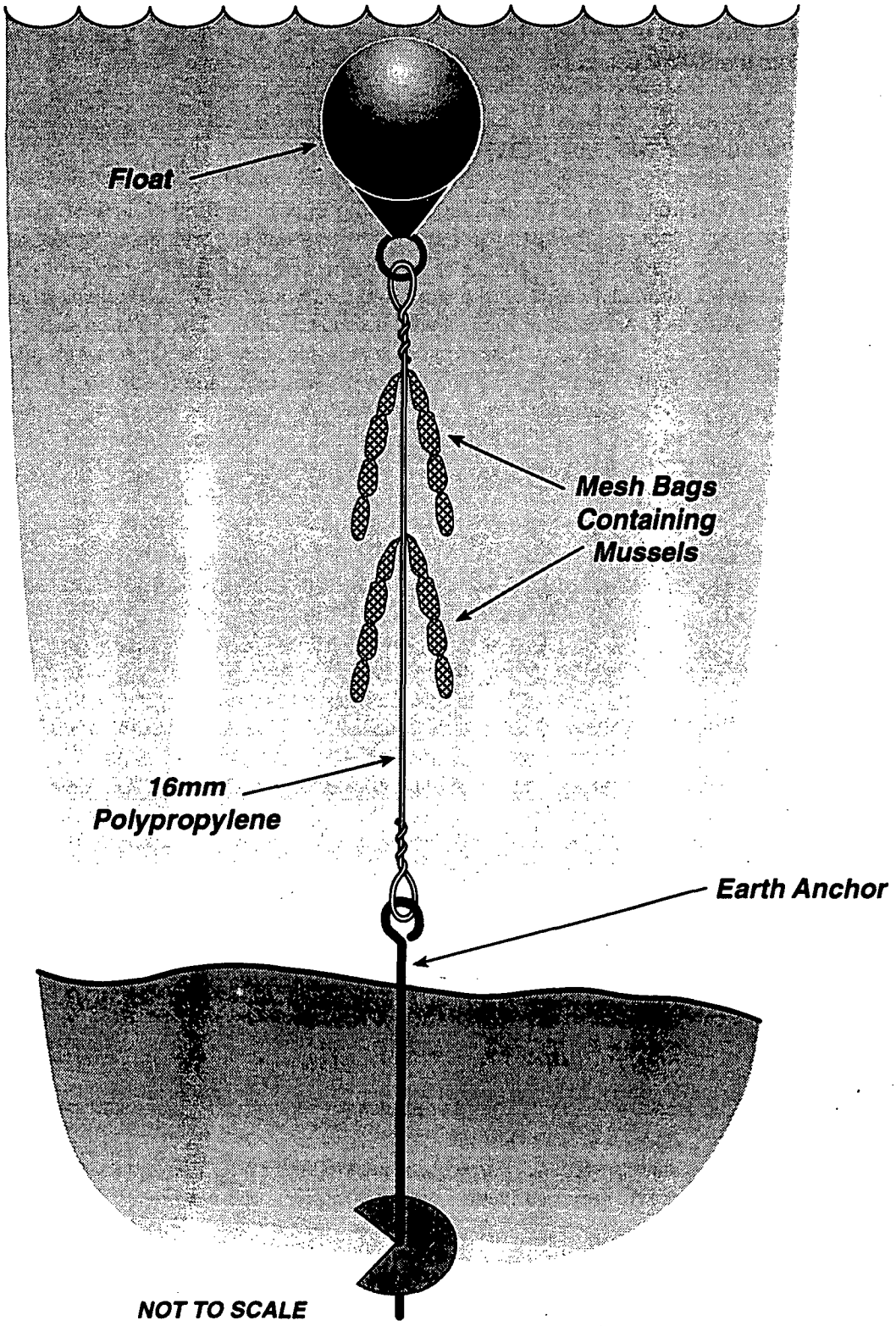

TABLE AA-1

State Mussel Watch Program
Trace Element Detection Limits

Tissue

Element	Detection Limit (µg/g, ppm dry weight)	(µg/g, ppm wet weight)
Aluminum	20.0	3.0
Arsenic	0.25	0.04
Cadmium	0.01	0.002
Chromium	0.1	0.02
Copper	1.0	0.2
Mercury	0.03	0.005
Manganese	1.0	0.2
Nickel	0.1	0.02
Lead	0.1	0.02
Selenium	0.1	0.02
Silver	0.01	0.002
Titanium	0.5	0.08
Zinc	5.0	0.8

Sediment

Element	Detection Limit (µg/g, ppm dry weight)	(µg/g, ppm wet weight)
Aluminum	20.0	3.0
Arsenic	0.25	0.04
Antimony	0.1	0.02
Cadmium	0.01	0.002
Chromium	0.1	0.02
Copper	1.0	0.2
Mercury	0.03	0.005
Manganese	1.0	0.2
Nickel	0.1	0.02
Lead	0.1	0.02
Selenium	0.1	0.02
Silver	0.01	0.002
Tin	0.1	0.02
Zinc	5.0	0.8

TABLE AA-2

State Mussel Watch Program

Trace Element Analysis of Reference Materials (μg/g, dry weight)*

	1987-88**		1988-89**		1989-90**	
	NBS-NIES	NBS-DOLT	NBS-NIES	NBS-DOLT	NBS-Oyster	NBS-DOLT
Ag	NA	NA	0.024±0.006 (0.027±0.003)	NA	1.7±0.11 (1.68±0.15)	NA
Al	206±21 (220)	NA	209±18 (220)	NA	85±14.1 (202.5±14.1)	NA
As	8.6±0.1 (9.2±0.5)	NA	9.2±0.2 (9.2±0.5)	9.7±0.1 (10.1±1.4)	13.5±0.6 (14.0±1.2)	NA
Cd	0.91±0.15 (0.82±0.03)	4.36±0.37 (4.18±0.28)	0.83±0.14 (0.82±0.03)	4.26±0.39 (4.18±0.28)	4.35±0.27 (4.15±0.38)	4.53±0.35 (4.18±0.28)
Cr	0.65±0.13 (0.063±0.07)	0.36±0.07 (0.40±0.07)	0.44±0.09 (0.63±0.07)	0.39±0.05 (0.40±0.07)	0.57±0.08 (1.43±0.46)	0.25±0.06 (0.40±0.07)
Cu	5.2±0.6 (4.9±0.03)	20.0±1.0 (20.8±1.2)	5.1±0.6 (4.9±0.3)	20.9±1.5 (20.8±1.2)	64.7±2.5 (66.3±4.3)	20.1±0.9 (20.8±1.2)
Hg	NA	0.208±0.023 (0.225±0.037)	NA	0.293±0.039 (0.225±0.037)	0.061±0.013 (0.064±0.007)	0.341±0.041 (0.225±0.037)
Mn	16.0±0.5 (16.3±1.2)	8.57±0.29 (8.72±0.53)	16.1±1.2 (16.3±1.2)	8.65±0.50 (8.72±0.53)	11.7±0.8 (12.3±1.5)	8.56±0.53 (8.72±0.53)
Ni	NA	NA	0.73±0.14 (0.93±0.06)	0.28±0.03 (0.26±0.06)	1.84±0.4 (2.25±0.44)	0.21±0.06 (0.26±0.06)
Pb	0.60±0.13 (0.91±0.04)	1.06±0.21 (1.36±0.29)	0.87±0.16 (0.91±0.040	1.45±0.43 (1.36±0.29)	0.311±0.08 (0.371±0.014)	1.26±0.25 (1.36±0.29)
Se	1.4 (1.5)	NA	1.4 (1.5)	NA	2.0±0.0 (2.21±0.24)	NA
Zn	101±5 (106±6)	88.9±4.6 (92.5±2.3)	112±9 (106±6)	94.4±7.9 (92.5±2.3)	816±48 (830±57)	93.5±4.2 (92.5±2.3)

* Sample values are given first, followed by reference values in parentheses, both values include 95% confidence interval where appropriate.

NBS refers to the National Bureau of Standards.

NIES refers to the National Institute of Environmental Studies, Japan Environmental Agency - Certified Reference Material #6, mussel tissue.

DOLT refers to dogfish liver from the National Research Council of Canada.

** Sample Year = State Fiscal Year (July 1 - June 30).

NA = Not Analyzed.

TABLE AA-2 (continued)

State Mussel Watch Program

Trace Element Analysis of Reference Materials (µg/g, dry weight)*

	1990-91**		1991-92**		1992-93**	
	NBS-Oyster	NBS-Mussel	NBS-Oyster	NBS-DOLT	NBS-Oyster	NBS-DOLT
Ag	1.59±0.13 (1.68±0.15)	0.097±0.007 (0.105±0.003	1.58±0.08 (1.68±0.15)	NA	1.61±0.06 (1.68±0.15)	NA
Al	173±9 (202.5±14.1)	41.1±5.4 (62.1±5.7)	172±13 (202.5±14.1)	NA	174±7.2 (202.5±14.1)	NA
As	12.4±0.8 (14.0±1.2)	1.09±0.06 (1.20±0.04)	13.2±0.7 (14.0±1.2)	9.1±0.6 (10.1±1.4)	13.0±0.3 (14.0±1.2)	NA
Cd	4.16±0.22 (4.15±0.38)	0.25±0.02 (0.17±0.05)	4.00±0.12 (4.15±0.38)	4.08±0.15 (4.18±0.28)	4.00±0.12 (4.15±0.38)	4.26±0.42 (4.18±0.28)
Cr	1.08±0.09 (1.43±0.46)	0.324±0.043 (0.322±0.026)	1.12±0.11 (1.43±0.46)	0.29±0.04 (0.40±0.07)	1.17±0.25 (1.43±0.46)	0.31±0.08 (0.40±0.07)
Cu	66.4±2.8 (66.3±4.3)	1.38±0.07 (1.14±0.24)	69.0±1.8 (66.3±4.3)	20.8±0.7 (20.8±1.2)	64.0±1.3 (66.3±4.3)	19.5±0.55 (20.8±1.2)
Hg	0.067±0.009 (0.064±0.007)	NA	0.071±0.004 (0.064±0.007)	0.242±0.055 (0.225±0.037)	0.060±0.004 (0.064±0.007)	0.280±0.044 (0.225±0.037)
Mn	12.02±0.52 (12.3±1.5)	1.41±0.11 (1.26±0.15)	12.1±0.4 (12.3±1.5)	8.68±0.37 (8.72±0.53)	11.5±0.4 (12.3±1.5)	8.7±0.54 (8.72±0.53)
Ni	2.00±0.3 (2.25±0.44)	ND (0.124±0.010)	1.87±0.10 (2.25±0.44)	NA	NA	0.32±0.04 (0.26±0.06)
Pb	0.33±0.02 (0.371±0.014)	1.22±0.06 (1.20±0.07)	0.31±0.03 (0.371±0.014)	1.2±0.18 (1.36±0.29)	0.32±0.06 (0.371±0.014)	1.18±0.16 (1.36±0.29)
Se	1.61±0.14 (2.21±0.24)	0.211±0.049 (0.247±0.007)	2.4±0.3 (2.21±0.24)	7.4±0.6 (7.34±0.42)	2.2±0.03 (2.21±0.24)	7.5±0.0 (7.34±0.42)
Zn	840±34 (830±57)	12.7±0.7 (11.3±0.5)	802±26 (830±57)	86.0±2.8 (92.5±2.3)	821±9.2 (830±57)	84.9±2.2 (92.5±2.3)

* Sample values are given first, followed by reference values in parentheses, both values include 95% confidence interval where appropriate.

NBS refers to the National Bureau of Standards.

NIES refers to the National Institute of Environmental Studies, Japan Environmental Agency - Certified Reference Material #6, mussel tissue.

DOLT refers to dogfish liver from the National Research Council of Canada.

** Sample Year = State Fiscal Year (July 1 - June 30).

NA = Not Analyzed.

ND = Not detected.

TABLE AA-3

State Mussel Watch Program
Synthetic Organic Compounds Analyzed
and Their Detection Limits (ng/g)

Compound	Tissue (dry weight)	Tissue (wet weight)	Sediment (dry weight)	Sediment (wet weight)
aldrin	1	0.2	0.5	0.25
chlorbenside	10	2.0	10.0	5.00
cis-chlordane	1	0.2	0.5	0.25
trans-chlordane	1	0.2	0.5	0.25
chlordene, alpha	1	0.2	0.5	0.25
chlordene, gamma	1	0.2	0.5	0.25
chlorpyrifos	4	0.8	1.0	0.50
dacthal	2	0.4	(0.5) 0.2	(0.25) 0.10
DDD, o,p'	5	1.0	1.0	0.50
DDD, p,p'	3	0.6	(1.0) 0.4	(0.5) 0.20
DDE, o,p'	3	0.6	1.0	0.50
DDE, p,p'	(3) 1	(0.6) 0.2	(5.0) 1.0	(2.5) 0.50
DDMS, p,p'	20	4.0	3.0	1.50
DDMU,p,p'	5	1.0	(1.5) 2.0	(0.75) 1.00
DDT, o,p'	4	0.8	1.0	0.50
DDT, p,p'	4	0.8	1.0	0.50
diazinon	23	4.6	5.0	2.50
dichlorobenzophenone-p,p'	25	5.0	3.0	1.50
dicofol (Kelthane)	75	15.0	10.0	5.00
dieldrin	1	0.2	(5.0) 0.5	(2.5) 0.25
endosulfan I	1	0.2	(5.0) 0.5	(2.5) 0.25
endosulfan II	(30) 3	(6.0) 0.6	(7.0) 1.0	(3.5) 0.50
endosulfan sulfate	(50) 5	(10.0) 1.0	(8.5) 2.0	(4.25) 1.00
endrin	6	1.2	(1.5) 2.0	(0.75) 1.00
ethion	(15) 9	(3.0) 1.8	2.0	1.00
HCH, alpha	1	0.2	0.2	0.10
HCH, beta	3	0.6	1.0	0.50
HCH, gamma	0.8	0.2	0.2	0.10
HCH, delta	2	0.4	0.5	0.25
heptachlor	1	0.2	0.5	0.25
heptachlor epoxide	1	0.2	0.5	0.25
HCB	1	0.2	0.2	0.10
methoxychlor	15	3.0	1.5	0.75
mirex	(2) 1	(0.4) 0.2	(1.0) 0.5	(0.5) 0.25
cis-nonachlor	1	0.2	0.5	0.25
trans-nonachlor	1	0.2	0.5	0.25
oxadiazon	6	1.2	(2.0) 0.3	(1.0) 0.15
oxychlordane	1	0.2	0.5	0.25
parathion, ethyl	10	2.0	1.0	0.50
parathion, methyl	4	0.8	1.0	0.50
PCB 1248	50	10.0	5.0	2.5
PCB 1254	10	2.0	5.0	2.5
PCB 1260	10	2.0	5.0	2.5
PCB congeners	2.0	0.4	1.0	0.50
PCT 5460	100	20.0	50.0	25.00
pentachlorophenol	4	0.8	4.0	0.80
phenol	0.5	0.1	0.5	0.10
2,3,5,6-tetrachlorophenol	5	1.0	5.0	1.00
tetradifon (Tedion)	10	2.0	10.0	5.00
toxaphene	100	20.0	10	5.00

( ) Detection limits from 1987-88 through 1990-91.

TABLE AA-4

State Mussel Watch Program
Polynuclear Aromatic Hydrocarbons (PAHs) Analyzed
and Their Detection Limits (ng/g)

Compound	Tissue		Sediment	
	(dry weight)	(wet weight)	(dry weight)*	(wet weight)
naphthalene	10	2	5	0.2
1-methylnaphthalene	10	2	5	0.2
2-methylnaphthalene	10	2	5	0.2
biphenyl	10	2	5	0.2
2,6-dimethylnaphthalene	10	2	5	0.2
acenaphthylene	10	2	5	0.2
acenaphthene	10	2	5	0.2
2,3,5-trimethylnaphthalene	10	2	5	0.2
fluorene	10	2	5	0.2
phenanthrene	10	2	5	0.2
anthracene	10	2	5	0.2
1-methylphenanthrene	10	2	5	0.2
fluoranthrene	10	2	5	0.2
pyrene	10	2	5	0.2
benz[a]anthracene	10	2	5	0.2
chrysene	10	2	5	0.2
benzo[b]fluoranthrene	10	2	5	0.2
benzo[k]fluoranthrene	10	2	5	0.2
benzo[e]pyrene	10	2	5	0.2
benzo[a]pyrene	10	2	5	0.2
perylene	10	2	5	0.2
indeno[1,2,3-cd]pyrene	10	2	5	0.2
dibenz[a,h]anthracene	10	2	5	0.2
benzo[ghi]perylene	10	2	5	0.2

* Detection limit for dry weight sediment was 50 ng/g (25 ng/g wet weight) from 1987-88 to 1990-91.

TABLE AA-5

State Mussel Watch Program
Distribution of Synthetic Organic Compounds Among
Four Fractions of a Standard Florisil[R] Column

FY 1987-88 through FY 1990-91

(0%) Fraction 1	(6%) Fraction 2	(15%) Fraction 3
aldrin	HCH, alpha*	dacthal
chlordene, alpha	HCH, beta	diazinon
chlordene, gamma*	HCH, gamma	dichlorobenzophenone, p,p'
cis-chlordane*	HCH, delta	dieldrin
DDE, o,p'	chlorbenside	endosulfan I**
DDE, p,p'*	chlordene, gamma*	endosulfan II***
DDMU, p,p'*	chlorpyrifos	endrin
DDT, o,p'*	cis-chlordane*	parathion, ethyl
DDT, p,p'*	cis-nonachlor	parathion, methyl
heptachlor	DDE, p,p'*	tetradifon (tedion)
hexachlorobenzene	DDD, o,p'	
PCB 1248	DDD, p,p'	
PCB 1254	DDMS, p,p'	
PCB 1260	DDMU, p,p'*	
PCB congeners	DDT, o,p'*	
PCT 5460	DDT, p,p'*	
trans-nonachlor*	dicofol (kelthane)	(50%) Fraction 4
	endosulfan I**	endosulfan II***
	ethion	endosulfan sulfate
	heptachlor epoxide	
	methoxychlor	
	oxadiazon	
	oxychlordane	
	toxaphene	
	trans-chlordane	
	trans-nonachlor*	

* Found in both 0% and 6% fractions. ** Found in both 6% and 15% fractions.
*** Found in both 15% and 50% fractions.

TABLE AA-5 (continued)

State Mussel Watch Program
Distribution of Synthetic Organic Compounds Among
Two Fractions of a Standard Florisil® Column

FY 1991-92 and FY 1992-93

Fraction 1 (1% methylene chloride in pentane)	Fraction 2 (100% methylene chloride)
aldrin	HCH, alpha
chlordene, alpha	HCH, beta
chlordene, gamma*	HCH, gamma
DDE, o,p'	HCH, delta
DDE, p,p'*	chlordene, gamma*
DDMU, p,p'*	chlorpyrifos
DDT, o,p'	cis-chlordane
DDT, p,p'*	cis-nonachlor
heptachlor	dacthal
hexachlorobenzene	DDE, p,p'*
PCB 1248	DDD, o,p'
PCB 1254	DDD, p,p'
PCB 1260	DDMS, p,p'
PCT 5460	DDMU, p,p'*
trans-nonachlor*	DDT, p,p'*
	dichlorobenzophenone, p,p'
	dieldrin
	endosulfan I
	endosulfan II
	endosulfan sulfate
	ethion
	endrin
	heptachlor epoxide
	methoxychlor
	oxadiazon
	oxychlordane
	toxaphene
	trans-chlordane
	trans-nonachlor*

* Found in both Fraction 1 and fraction 2.

TABLE AA-6

State Mussel Watch Program
Organic Compound Analysis of Reference Materials (ng/g, wet weight)

1990-91 PAHs with NIST Certified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
Phenanthrene	5.6 ± 1.4	4.65 ± 1.0
Anthracene	0.75 ± 0.21	2.15
Fluoranthrene	33.6 ± 5.8	31.79 ± 7.8
Pyrene	34.1 ± 3.7	33.21 ± 8.5
Perylene	1.05 ± 0.29	0
Benzo[b]fluoranthrene	6.5 ± 1.2	6.63 ± 3.8
Benzo[a]pyrene	2.29 ± 0.47	7.47 ± 4.4
Benzo[ghi]perylene	2.47 ± 0.28	0
Indeno[1,2,3-cd]pyrene	1.8 ± 0.33	0

1990-91 PAHs with Non-Certified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
2-methylnaphthalene	2.1 ± 0.5	1.79
1-methylnaphthalene	1.1 ± 0.2	0
Fluorene	1.5 ± 0.2	0
1-methylphenanthrene	2.3 ± 0.6	3.94 ± 1.5
Benz[a]anthracene	4.6 ± 0.4	4.99 ± 2.5
Chrysene	15.3 ± 1.4	13.56 ± 3.6
Benzo[k]fluoranthrene	3.0 ± 0.1	4.13 ± 2.6
Benzo[e]pyrene	10.0 ± 1	7.59 ± 3.9
Dibenz[a,h]anthracene	0.35 ± 0.01	0

* National Institute of Standards and Technology (NIST) Standard Reference Material 1974 - Organics in Mussel Tissue (*Mytilus edulis*).

TABLE AA-6 (continued)

State Mussel Watch Program

Organic Compound Analysis of Reference Materials (ng/g, wet weight)*

1991-92 PAHs with NIST Cetified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
Phenanthrene	5.6 ± 1.4	7.49 ± 0.8
Anthracene	0.75 ± 0.21	0
Fluoranthrene	33.6 ± 5.8	34.31 ± 11
Pyrene	34.1 ± 3.7	36.5 ± 3.0
Perylene	1.05 ± 0.29	0
Benzo[b]fluoranthrene	6.5 ± 1.2	8.32 ± 0.5
Benzo[a]pyrene	2.29 ± 0.47	2.93 ± 0.7
Benzo[ghi]perylene	2.47 ± 0.28	3.0 ± 0.5
Indeno[1,2,3-cd]pyrene	1.8 ± 0.33	2.6

1991-92 PAHs with Non-Certified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
2-methylnaphthalene	2.1 ± 0.5	2.75 ± 0.4
1-methylnaphthalene	1.1 ± 0.2	2.15 ± 0.1
Fluorene	1.5 ± 0.2	3.2
1-methylphenanthrene	2.3 ± 0.6	2.93 ± 0.6
Benz[a]anthracene	4.6 ± 0.4	5.79 ± 1.3
Chrysene	15.3 ± 1.4	15.2 ± 1.6
Benzo[k]fluoranthrene	3.0 ± 0.1	3.22 ± 0.6
Benzo[e]pyrene	10.0 ± 1.0	11.34 ± 1.4
Dibenz[a,h]anthracene	0.35 ± 0.01	4.0

* National Institute of Standards and Technology (NIST) Standard Reference Material 1974 - Organics in Mussel Tissue (*Mytilus edulis*).

TABLE AA-6 (continued)

State Mussel Watch Program

Organic Compound Analysis of Reference Materials (ng/g, wet weight)*

1991-92 Synthetic Organics with Non-Certified Values

Synthetic Organic Compounds.	NIST-Mussel*	SMWP-Mussel
cis-chlordane	3.2 ± 0.2	2.55 ± 0.8
trans-nonachlor	2.6 ± 0.6	2.43 ± 0.4
Dieldrin	1 ± 0.5	0.78 ± 0.2
DDD, o,p'	2.5 ± 0.9	1.84 ± 0.5
DDD, p,p'	8.4 ± 0.4	6.01 ± 1.2
DDE, o,p'	0.72 ± 0.07	2.93 ± 0.5
DDE, p,p'	5.9 ± 0.2	6.37 ± 1.7
DDT, o,p'	0.4 ± 0.2	0.9
DDT, p,p'	0.3 ± 0.3	0.92 ± 0.3

1992-93 Synthetic Organics with Non-Certified Values

Synthetic Organic Compounds	NIST-Mussel*	SMWP-Mussel
cis-chlordane	3.2 ± 0.2	2.39 ± 0.3
trans-nonachlor	2.6 ± 0.6	2.05 ± 0.2
Dieldrin	1 ± 0.5	0.87 ± 0.2
DDD, o,p'	2.5 ± 0.9	1.7 ± 0.2
DDD, p,p'	8.4 ± 0.4	4.81 ± 0.7
DDE, o,p'	0.72 ± 0.07	0.2
DDE, p,p'	5.9 ± 0.2	5.06 ± 0.9
DDT, o,p'	0.4 ± 0.2	0.41 ± 0.1
DDT, p,p'	0.3 ± 0.3	1.1 ± 0.7

* National Institute of Standards and Technology (NIST) Standard Reference Material 1974 - Organics in Mussel Tissue (*Mytilus edulis*).

TABLE AA-6 (continued)

State Mussel Watch Program

Organic Compound Analysis of Reference Materials (ng/g, wet weight)*

1992-93 PAHs with NIST Certified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
Phenanthrene	5.6 ± 1.4	5.41 ± 0.6
Anthracene	0.75 ± 0.21	0.92 ± 0.7
Fluoranthrene	33.6 ± 5.8	37.89 ± 5.5
Pyrene	34.1 ± 3.7	37.58 ± 5.3
Perylene	1.05 ± 0.29	0.94 ± 0.4
Benzo[b]fluoranthrene	6.5 ± 1.2	7.8 ± 1.6
Benzo[a]pyrene	2.29 ± 0.47	1.85 ± 0.9
Benzo[ghi]perylene	2.47 ± 0.28	2.87 ± 0.7
Indeno[1,2,3-cd]pyrene	1.8 ± 0.33	2.04 ± 0.6

1992-93 PAHs with Non-Certified Values

Polynuclear Aromatic Hydrocarbons (PAHs)	NIST-Mussel*	SMWP-Mussel
2-methylnaphthalene	2.1 ± 0.5	3.55 ± 1.4
1-methylnaphthalene	1.1 ± 0.2	2.85 ± 1.0
Fluorene	1.5 ± 0.2	1.47 ± 0.7
1-methylphenanthrene	2.3 ± 0.6	2.38 ± 0.4
Benz[a]anthracene	4.6 ± 0.4	4.1 ± 1.1
Chrysene	15.3 ± 1.4	6.49 ± 1.1
Benzo[k]fluoranthrene	3.0 ± 0.1	2.58 ± 0.8
Benzo[e]pyrene	10.0 ± 1.0	10.65 ± 2.3
Dibenz[a,h]anthracene	0.35 ± 0.01	1.02 ± 0.5

* National Institute of Standards and Technology (NIST) Standard Reference Material 1974 - Organics in Mussel Tissue (*Mytilus edulis*).

TABLE AA-7

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1987-88 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	San Andreas Road		Sandholdt Bridge		Carpinteria Marsh		Marina Del Rey/Basin G		Huntington Harbour/ Edinger Street	
Station No.	401.8		404.0		475.0		555.0		713.0	
Species	TFC		RBM		TCM		TCM		TCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
aldrin	7.8	8.6								
alpha-chlordene	4.3	4.8					7.1	4.4	3.9	2.9
cis-chlordane	78.0	93.0	7.0	12.0	9.0	6.0	64.9	89.0	65.0	49.0
cis-nonachlor							19.0	26.0	26.0	17.0
gamma-chlordene	8.9	8.2							2.3	1.7
oxychlordane	14.0	18.0					3.4	5.3	4.4	3.4
trans-chlordane	60.0	73.0	9.9	11.0	6.2	4.2	56.0	69.0	57.0	50.0
trans-nonachlor	72.0	79.0	8.3	8.2	5.5	2.9	38.0	41.0	54.4	39.0
chlorpyrifos									7.2	5.1
dacthal	80.0	72.0							3.3	2.8
DDD, o,p'	239.8	320.0	16.0	36.0					18.0	12.0
DDD, p,p'	569.7	799.8	46.0	120.0			12.0	28.0	46.0	31.0
DDE, o,p'	120.0	83.5	10.3	11.2			11.7	15.2	22.2	13.0
DDE, p,p'	2199.4	2399.4	473.0	390.0	62.0	74.0	133.0	120.0	220.0	250.0
DDT, o,p'	475.9	429.7							13.0	11.0
DDT, p,p'	1061.8	1190.4	16.0	25.0	6.6	3.8			41.1	35.9
DDMS,p,p'	55.0	74.0								
DDMU,p,p'	91.0	100.4	24.0	30.0			17.0	14.0	9.3	8.6
diazinon	650.3	650.7								
dichlorobenzophenone,p,p'	14.0	13.0								
dicofol	450.3	749.6								
dieldrin	1403.0	1199.7	13.0	23.0			29.0	48.0	27.0	18.0
endosulfan I	81.0	72.0	43.0	27.0	36.0	38.0			96.0	78.0
endosulfan II	94.8	100.4							68.0	300.0
endosulfan sulfate	230.4	240.0							160.0	270.0
endrin	49.0	50.0								
hexachlorobenzene	3.8	4.3								
alpha-HCH									2.3	2.0
gamma-HCH									4.6	5.1
heptachlor epoxide	22.0	26.0							2.0	1.5
oxadiazon										
PCB 1248										
PCB 1254	180.1	189.7	250.0	140.0			440.0	290.0	530.0	430.0
PCB 1260										
toxaphene	3100.0	3701.4								

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1987-88 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	San Diego Bay/ Sampson Street Pier	
Station No.	882.7	
Species	TCM	
REPLICATE	1	2
COMPOUNDS		
aldrin		
alpha-chlordene		
cis-chlordane	11.4	10.0
cis-nonachlor	3.2	2.0
gamma-chlordene		
oxychlordane		
trans-chlordane	12.0	11.0
trans-nonachlor	8.1	7.3
chlorpyrifos		
dacthal		
DDD, o,p'		
DDD, p,p'	6.5	9.1
DDE, o,p'	16.5	11.0
DDE, p,p'	19.0	22.5
DDT, o,p'		
DDT, p,p'	22.9	23.9
DDMS,p,p'		
DDMU,p,p'		
diazinon		
dichlorobenzophenone, p,p'		
dicofol		
dieldrin	5.2	2.6
endosulfan I		
endosulfan II		
endosulfan sulfate		
endrin		
hexachlorobenzene		
alpha-HCH		
gamma-HCH		
heptachlor epoxide		
oxadiazon		
PCB 1248		
PCB 1254	740.0	850.0
PCB 1260		
toxaphene		

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1988-89 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	Mad River Slough		Eureka Channel		Gaviota		Carpinteria Marsh		Huntington Harbour/ Harbor Lane	
Station No.	100.0		103.0		455.0		475.0		717.0	
Species	TCM		TCM		TCM		TCM		TCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
aldrin										
alpha-chlordene									9.0	9.8
cis-chlordane					3.5	3.6	15.0	1.3	9.7	12.0
cis-nonachlor							1.6	1.4	23.0	38.0
gamma-chlordene									5.7	6.8
oxychlordane									7.1	9.3
trans-chlordane							11.0	2.8	58.0	69.0
trans-nonachlor					1.2	1.3	7.5	8.1	69.0	88.0
chlorpyrifos							11.0	6.4	35.0	36.0
dacthal										
DDD, o,p'									5.8	21.0
DDD, p,p'							46.0	69.0	160.0	196.0
DDE, o,p'							3.7	4.9	26.0	33.0
DDE, p,p'					31.0	30.0	130.0	130.0	370.0	450.0
DDT, o,p'										
DDT, p,p'							12.0	14.0	7.7	3.6
DDMS,p,p'									34.0	42.0
DDMU,p,p'							6.7	5.9	26.0	28.0
diazinon										
dichlorobenzophenone, p,p'										
dicofol										
dieldrin	2.5	1.5	2.2	2.4	2.9	3.5	11.0	15.0	40.0	53.0
endosulfan I							22.0	29.0	1.6	4.2
endosulfan II										
endosulfan sulfate										
endrin										
hexachlorobenzene									1.4	2.0
alpha-HCH	2.6	2.0	3.2	2.4	2.4	2.2	2.2	1.6		
gamma-HCH									6.6	8.0
heptachlor epoxide										
oxadiazon										
PCB 1248										
PCB 1254							30.0	32.0	410.0	490.0
PCB 1260										
toxaphene										

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RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1989-90 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	Trinidad Head		Revolon Slough		LA Harbor/ Consolidated Slip		San Onofre 2		Oceanside	
Station No.	10.0		507.8		616.0		744.2		750.0	
Species	RCM		SED		TCM		TCM		RCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
aldrin										
alpha-chlordene					3.3	3.3				
cis-chlordane			7.4	5.5	24.4	26.1	3.5	2.5		
cis-nonachlor			5.4	3.5	12.2	9.8			1.7	0.8
gamma-chlordene										
oxychlordane										
trans-chlordane			6.4	4.7	26.7	23.9	2.5	2.5	7.0	3.3
trans-nonachlor			6.2	4.7	20.0	19.6			2.6	0.8
chlorpyrifos			8.5	4.9						
dacthal										
DDD, o,p'			35.8	28.7	31.1	20.7				
DDD, p,p'			119.5	90.1	122.2	100.0	5.0	8.6	7.8	11.7
DDE, o,p'			9.5	5.5	34.4	22.8	4.5	8.1		
DDE, p,p'			457.5	548.0	177.8	150.4	55.6	44.4	33.0	28.5
DDT, o,p'			35.8	26.6						
DDT, p,p'			91.5	75.4	30.0	9.8	4.0	4.5	9.6	5.0
DDMS,p,p'					25.6	35.0				
DDMU,p,p'			15.5	10.4	6.7	16.3				
diazinon										
dichlorobenzophenone, p,p'										
dicofol										
dieldrin	1.3	1.3	2.2	1.8	6.7	9.8	5.6	2.5	4.3	4.2
endosulfan I			5.4	5.5					1.7	1.7
endosulfan II			9.1	7.8						
endosulfan sulfate			18.1	15.6						
endrin										
hexachlorobenzene			0.6	0.4						
alpha-HCH	7.1	6.1					4.0	3.0	3.5	1.7
beta-HCH	5.8	4.8								
gamma-HCH	1.3	1.3								
heptachlor epoxide										
oxadiazon										
PCB 1248					155.6	217.4				
PCB 1254			4.0	4.3	544.4	510.9	39.4	22.2	64.3	61.7
PCB 1260										
toxaphene			258.4	225.2						

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1989-90 Synthetic Organic Compounds Quality Control

(ng/g dry weight)

Station Name	Mission Bay/Landfill 1	
Station No.	868.5	
Species	TCM	
REPLICATE	1	2
COMPOUNDS		
aldrin		
alpha-chlordene		
cis-chlordane	6.5	7.1
cis-nonachlor	3.6	2.8
gamma-chlordene		
oxychlordane		
trans-chlordane	5.0	3.5
trans-nonachlor	1.4	3.5
chlorpyrifos		
dacthal		
DDD, o,p'		
DDD, p,p'	4.3	4.3
DDE, o,p'		
DDE, p,p'	18.0	31.9
DDT, o,p'		
DDT, p,p'		
DDMS,p,p'		
DDMU,p,p'		
diazinon		
dichlorobenzophenone, p,p'		
dicofol		
dieldrin		
endosulfan I		
endosulfan II		
endosulfan sulfate		
endrin		
hexachlorobenzene		
alpha-HCH	0.7	0.7
gamma-HCH		
heptachlor epoxide		
oxadiazon		
PCB 1248		
PCB 1254	93.5	170.2
PCB 1260		
toxaphene		

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1990-91 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	Sante Fe Channel/End		Dumbarton Bridge Channel Marker 14		San Luis Obispo Creek 1		Goleta Slough 4		Anaheim Bay Navy Marsh 2	
Station No.	303.4		321.0		446.0		460.3		708.5	
Species	TCM		TCM		TFC		SED		TCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
aldrin	5.4	4.7								
alpha-chlordene					6.9	5.7				
cis-chlordane	22.0	19.0	15.0	19.0	73.0	66.0	1.7	1.9	15.0	19.0
cis-nonachlor	5.5	5.0	9.0	11.0	35.0	31.0			10.0	13.0
gamma-chlordene										
oxychlordane					6.4	5.7				
trans-chlordane	20.0	18.0	11.0	11.0	56.0	49.0	1.9	1.9	9.0	11.0
trans-nonachlor	15.0	13.0	6.7	1.3	89.0	82.0	1.5	2.7	13.0	16.0
chlorpyrifos										
dacthal										
DDD, o,p'	260.0	220.0	12.0	15.0					17.0	20.0
DDD, p,p'	930.0	830.0	12.0	14.0	35.0	42.0			23.0	28.0
DDE, o,p'	37.0	43.0							20.0	20.0
DDE, p,p'	400.0	360.0	51.0	46.0	63.0	56.0	5.1	5.8	210.0	264.0
DDT, o,p'	311.0	260.0								
DDT, p,p'	680.0	570.0			20.0	18.0			5.8	7.9
DDMS,p,p'	112.0	92.0								
DDMU,p,p'	110.0	95.0							31.0	38.0
diazinon										
dichlorobenzophenone, p,p'										
dicofol										
dieldrin	250.0	260.0	25.0	31.0					14.0	10.0
endosulfan I										
endosulfan II										
endosulfan sulfate										
endrin										
hexachlorobenzene										
alpha-HCH										
gamma-HCH										
heptachlor epoxide										
oxadiazon	8.9	9.1								
PCB 1248	180.0	180.0								
PCB 1254	880.0	820.0	88.0	110.0	220.0	200.0	140.0	660.0	110.0	140.0
PCB 1260							22.0	76.0		
PCB 5460							1000.0	2400.0		
toxaphene										

RCM = Resident California Mussel
RBM = Resident Bay Mussel
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RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1990-91 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	San Onofre 6	
Station No.	744.6	
Species	TCM	
REPLICATE	1	2
COMPOUNDS		
aldrin		
alpha-chlordene		
cis-chlordane	4.0	4.5
cis-nonachlor	1.2	1.1
gamma-chlordene		
oxychlordane		
trans-chlordane	2.3	2.1
trans-nonachlor	2.4	2.3
chlorpyrifos		
dacthal		
DDD, o,p'		
DDD, p,p'		
DDE, o,p'		
DDE, p,p'	89.0	87.0
DDT, o,p'		
DDT, p,p'		
DDMS,p,p'		
DDMU,p,p'	7.0	7.2
diazinon		
dichlorobenzophenone, p,p'		
dicofol		
dieldrin	1.7	2.5
endosulfan I		
endosulfan II		
endosulfan sulfate		
endrin		
hexachlorobenzene		
alpha-HCH	1.7	1.9
gamma-HCH		
heptachlor epoxide		
oxadiazon		
PCB 1248		
PCB 1254	22.0	21.0
PCB 1260		
toxaphene		

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TFC = Transplanted Fresh Water Clam
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TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1991-92 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	Bodega Harbor/ Spud Point Marina		Santa Clara River Estuary 2		Anaheim Bay/ Navy Harbor		Newport Bay/ Turning Basin		Newport Bay/ Highway 1 Bridge	
Station No.	205.0		487.3		707.0		723.4		724.0	
Species	TCM		SED		TCM		TCM		TCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
aldrin										
alpha-chlordene										
cis-chlordane			1.0	0.9	13.8	14.9	26.0	27.9	22.1	40.1
cis-nonachlor					7.1	7.2	17.0	12.5	19.1	21.5
gamma-chlordene										
oxychlordane										
trans-chlordane	1.9	1.3	0.7	0.6	8.9	10.0	24.0	19.2	30.5	32.0
trans-nonachlor	1.9	2.6			16.0	12.7	33.0	19.2	44.2	34.2
chlorpyrifos			1.5	1.4						
dacthal			2.3	2.4						
DDD, o,p'					7.1	7.2	15.0	9.6	24.4	26.0
DDD, p,p'			2.6	2.4	18.0	21.0	67.0	58.7	140.0	178.3
DDE, o,p'					45.0	47.6	18.0	8.7	29.0	20.8
DDE, p,p'	18.1	17.5	6.3	6.6	440.0	420.8	450.0	259.9	990.0	742.9
DDT, o,p'										
DDT, p,p'			11.6	10.1						
DDMS,p,p'										
DDMU,p,p'					38.0	36.5	22.0	14.4	49.6	47.5
diazinon										
dichlorobenzophenone, p,p'										
dicofol										
dieldrin					9.6	10.5	18.0	14.4	18.3	19.3
endosulfan I										
endosulfan II										
endosulfan sulfate										
endrin										
hexachlorobenzene										
alpha-HCH										
gamma-HCH					0.9	1.1				
heptachlor epoxide										
oxadiazon							11.0	5.8	17.5	14.9
PCB 1248										
PCB 1254	130.0	162.0			280.0	276.8	500.0	259.9	480.5	319.5
PCB 1260										
toxaphene										

RCM = Resident California Mussel
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TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1991-92 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	La Jolla	
Station No.	832.0	
Species	RCM	
REPLICATE	1	2
COMPOUNDS		
aldrin		
alpha-chlordene		
cis-chlordane		
cis-nonachlor		
gamma-chlordene		
oxychlordane		
trans-chlordane	1.4	2.0
trans-nonachlor		
chlorpyrifos		
dacthal		
DDD, o,p'		
DDD, p,p'		
DDE, o,p'		
DDE, p,p'	11.9	11.2
DDT, o,p'		
DDT, p,p'		
DDMS,p,p'		
DDMU,p,p'		
diazinon		
dichlorobenzophenone, p,p'		
dicofol		
dieldrin		
endosulfan I		
endosulfan II		
endosulfan sulfate		
endrin		
hexachlorobenzene		
alpha-HCH	1.4	2.4
gamma-HCH		
heptachlor epoxide		
oxadiazon		
PCB 1248		
PCB 1254		
PCB 1260		
toxaphene		

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TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
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SED = Sediment

TABLE AA-7 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: 1992-93 Synthetic Organic Compounds Quality Control
(ng/g dry weight)

Station Name	Watsonville Slough/ Bridge		Mugu Lagoon/ Calleguas Creek		Huntington Harbour/ Warner Ave Bridge		San Diego Bay/ Evans Street	
Station No.	401.5		507.3		715.0		887.0	
Species	TFC		SED		TCM		TCM	
REPLICATE	1	2	1	2	1	2	1	2
COMPOUNDS								
aldrin	13.0	9.8						
alpha-chlordene	6.8	6.8						
cis-chlordane	100.0	120.0	4.2	4.2	45.0	40.0	10.0	14.0
cis-nonachlor	92.0	140.0			22.0	23.0	9.2	12.0
gamma-chlordene	7.5	9.1						
oxychlordane								
trans-chlordane	110.0	110.0	3.5	3.8	51.0	40.0	9.9	15.0
trans-nonachlor	110.0	110.0	3.9	3.7	34.0	39.0	8.5	13.0
chlorpyrifos	120.0	120.0			23.0	23.0		
dacthal	220.0	210.0	14.0	12.0				
DDD, o,p'	500.0	450.0	11.0	11.0	10.0	7.7		
DDD, p,p'	670.0	650.0	42.0	44.0	26.0	27.0	5.0	7.1
DDE, o,p'	130.0	130.0			10.0	10.0		
DDE, p,p'	5000.0	5100.0	200.0	200.0	330.0	350.0	21.0	27.0
DDT, o,p'	1100.0	1200.0	6.3	5.2	8.9	11.0		
DDT, p,p'	3000.0	3000.0	21.0	24.0	45.0	47.0	5.4	6.1
DDMS,p,p'								
DDMU,p,p'	210.0	200.0			41.0	36.0	7.4	9.8
diazinon								
dichlorobenzophenone, p,p'								
dicofol								
dieldrin	1500.0	1700.0			22.0	22.0	6.5	7.4
endosulfan I	26.0	31.0						
endosulfan II	110.0	150.0						
endosulfan sulfate	270.0	230.0						
endrin	140.0	180.0						
hexachlorobenzene	7.3	7.1						
alpha-HCH								
gamma-HCH								
heptachlor epoxide	26.0	26.0						
oxadiazon	68.0	280.0						
PCB 1248	98.0	80.0			59.0	65.0		
PCB 1254	250.0	190.0			280.0	300.0	1100.0	1300.0
PCB 1260			28.0	30.0				
toxaphene	12000.0	15000.0	160.0	180.0	200.0	230.0		

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-8

State Mussel Watch Program

Results of Duplicate Sample Analysis: PAH Quality Control

(ng/g dry weight)

Station Name	Samoa Bridge/East		Dumbarton Bridge/ Channel Marker 14		Montana De Oro 2		San Onofre 6		Bodega Harbor/ Spud Point Marina	
Station No.	102.0		321.0		430.4		744.6		205.0	
Year	1990-91		1990-91		1990-91		1990-91		1991-92	
Species	TCM		TCM		TCM		TCM		TCM	
REPLICATE	1	2	1	2	1	2	1	2	1	2
COMPOUNDS										
Naphthalene	26.0	33.0	55.0	55.0	21.0	21.0	34.0	33.0	23.0	23.0
2-Methylnaphthalene									66.0	87.0
1-Methylnaphthalene									15.0	19.0
Biphenyl										
2,6-Dimethylnaphthalene										
Acenaphthylene										
Acenaphthene										
2,3,5-Trimethylnaphthalene										
Fluorene										
Phenanthrene	39.0	28.0	20.0	35.0					230.0	230.0
Anthracene										
1-Methylphenanthrene										
Fluoranthrene	17.0	14.0	51.0	74.0					260.0	250.0
Pyrene	21.0	26.0	74.0	110.0					250.0	200.0
Benz[a]anthracene			15.0	21.0					34.0	37.0
Chrysene			30.0	32.0					59.0	71.0
Benzo[b]fluoranthrene			34.0	41.0					31.0	24.0
Benzo[k]fluoranthrene			23.0	34.0						
Benzo[e]pyrene			37.0	37.0					27.0	29.0
Benzo[a]pyrene			43.0	65.0						
Perylene										
Indeno[1,2,3-cd]pyrene										
Dibenz[a,h]anthracene										
Benzo[ghi]perylene			13.0	38.0						

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-8 (continued)

State Mussel Watch Program

Results of Duplicate Sample Analysis: PAH Quality Control

(ng/g dry weight)

Station Name	Huntington Harbour/ Warner Ave Bridge		San Diego Bay/ Evans Street	
Station No.	715.0		887.0	
Year	1992-93		1992-93	
Species	TCM		TCM	
REPLICATE	1	2	1	2
COMPOUNDS				
Naphthalene	30.0	22.0	20.0	37.0
2-Methylnaphthalene	28.0	21.0	47.0	68.0
1-Methylnaphthalene	16.0	11.0	12.0	25.0
Biphenyl			11.0	12.0
2,6-Dimethylnaphthalene				
Acenaphthylene			11.0	20.0
Acenaphthene			140.0	130.0
2,3,5-Trimethylnaphthalene				
Fluorene			170.0	270.0
Phenanthrene	30.0	25.0	1200.0	1100.0
Anthracene			380.0	340.0
1-Methylphenanthrene			110.0	110.0
Fluoranthrene	130.0	120.0	5900.0	5100.0
Pyrene	170.0	160.0	3500.0	3100.0
Benz[a]anthracene	18.0	16.0	780.0	740.0
Chrysene	48.0	40.0	590.0	820.0
Benzo[b]fluoranthrene	22.0	23.0	700.0	760.0
Benzo[k]fluoranthrene			180.0	200.0
Benzo[e]pyrene	30.0	27.0	690.0	740.0
Benzo[a]pyrene			200.0	200.0
Perylene			98.0	98.0
Indeno[1,2,3-cd]pyrene			97.0	100.0
Dibenz[a,h]anthracene				
Benzo[ghi]perylene			160.0	180.0

RCM = Resident California Mussel
RBM = Resident Bay Mussel
TCM = Transplanted California Mussel
TFC = Transplanted Fresh Water Clam
RFC = Resident Fresh Water Clam
SED = Sediment

TABLE AA-9

State Mussel Watch Program

Results of Duplicate Sample and Reference Material Analysis: 1987-93 Tributyltin (TBT) Quality Control

(ng/g dry weight)

Year	Station Number	Station Name	Sample Type	Sample Cconcentration	Duplicate Cconcentration
1987-88	No duplicates were analyzed.				
1988-89	10.0	Trinidad Head	RCM	ND	ND
	307.4	Oakland Inner Hbr/Embarcadero Cove	TCM	4,000	5,500
	556.0	Marina Del Rey/Basin E	TCM	7,800	8,400
	899.0	San Diego Bay/Shelter Is/Fshg Pier	TCM	1,100	1,300
1989-90	414.0	Pacific Grove	RCM	ND	ND
	429.2	Morro Bay/Boat Works	TCM	280	420
	726.4	Newport Bay/Rhine Channel/End	TCM	6,500	7,100
1990-91	205.0	Bodega Harbor/Spud Point Marina	TCM	830	680
	302.0	Point Pinole	TCM	300	210
	619.0	LA Harbor/San Pedro Boatworks	RBM	1,400	1,300
	707.0	Anaheim Bay/Navy Harbor	TCM	470	210
	708.0	Anaheim Bay/Navy Marsh	TCM	430	200
	723.4	Newport Bay/Turning Basin	TCM	5,300	4,000
	724.0	Newport Bay/Highway 1 Bridge	TCM	3,300	2,500
	726.4	Newport Bay/Rhine Channel/End	SED	ND	ND
1991-92	616.0	LA Harbor/Consolidated Slip	SED	280	290
	717.0	Huntington Harbor/Harbor Lane	TCM	990	1,200
	901.0	San Diego Bay/Degausing Station	TCM	260	270
1992-93	10.0	Trinidad Head	RCM	ND	ND
	899.2	San Diego Bay/Shelter Island	TCM	5,700	5,900

ND = Not Detected.
RCM = Resident California Mussel TCM = Transplanted California Mussel
RBM = Resident Bay Mussel SED = Sediment

1992-93 TBT ANALYSIS OF REFERENCE MATERIAL*

Sample	Concent-tration	Certified Value	Upper Warning Limit	Lower Warning Limit	Upper Control Limit	Lower Control Limit
PACS-1 Replicate 1	1,047	1,270	1,710	893	1,790	840
PACS-1 Replicate 2	1,020					

* Standard reference material (SRM) for TBT was not available for use until 1992-93.
PACS-1 refers to marine sediment reference material from the National Research Council of Canada.
Warning and control limits were calculated according to U.S.EPA/EMAP guidelines.
Warning limits are within 15% of the certified SRM 95% confidence limits, control limits are within 20%.

APPENDIX BB

Median International Standards

Median International Standards

In 1982, the Food and Agricultural Organization (FAO) of the United Nations conducted a survey of standards and legal limits for metals including mercury, pesticides, and other contaminants in fishery products. This was in response to frequent inquiries from institutions and companies active in international commerce that found it difficult finding such information.

The FAO surveyed nations that were members of the FAO as well as those who were not. Most nations cooperated with the survey and, in certain other cases, the standards were drawn from other sources. The FAO took all of the responses and presented them in a report entitled "Compilation of Legal Limits for Hazardous Substances in Fish and Fishery Products" (Nauen 1983). Most of the limits were presented in a standard format and in standard units of fresh or live weight. Exceptions are clearly noted.

Nearly all of the standards for pesticides were from the United States (FDA standards). However, with the exception of mercury, the United States has no standards for trace metals in fishery products. It is this very lack of standards that makes interpretation of some of the SMWP findings difficult.

Table BB-1 summarizes the standards and guidelines for metals from the FAO report. The table notes whether the standards are for freshwater fish, marine fish, shellfish, or a combination of these. When more than one standard was listed by the FAO report, those values closest to a standard for fresh weight, edible portion were chosen. Exceptions are clearly noted in the table. Standards for each element are arranged in ascending order. The country of origin and the approximate date of adoption are also noted.

As can be seen in Table BB-1, some of the standards are not truly for edible portion, fresh weight. For example, some standards refer to canned products or protein. In the case of India, the standards are on a dry weight basis. If the Indian standards were stated in fresh weight terms, they would be approximately one fifth or one sixth of the stated standard.

Table BB-1 has many striking features. One feature is that most of the standards are surprisingly similar. Another feature is the large number of countries that have standards for metals. Also, although many of these countries are less developed nations, the standards adopted by these nations do not differ from those of the more developed nations.

The standards were not summarized for mercury because there is a USFDA standard of 1.0 ppm for methyl mercury in the edible portions of fish and shellfish. This was, incidentally, the highest limit set by any nation in the FAO study. The great majority of nations have set a mercury standard of 0.5 ppm.

Median International Standards presented in Table 5 were calculated from the standards listed in Table BB-1. The median standard was chosen for use for several reasons. The median is less influenced than the mean by outliers in the data. Also, direct comparisons of standards for fresh versus canned versus dry can be misleading. By using median standards, these misleading comparisons can be more easily avoided. In most cases, the Median International Standard is actually a standard set by one or more nations rather than an average value not actually set by any country. The median was calculated as follows. All standards or guidelines (with the exception of the Indian standards which are based on dry weight) were considered to be more-or-less equivalent. For the purposes of calculating the median, the Indian standards were

divided by five. The median was calculated as the middle value of all of the standards (e.g., the fourth of seven values arranged in ascending order). In a few cases, the number of standards was even. In this event, the two mid-values were averaged (most were not different). None of the adjusted dry-weight standards from India ended up as a median or as part of a mid-value pair.

For obvious reasons, the Median International Standards can only be used to provide a general idea of what other nations have chosen to use as a standard. The range of all values is listed in Table 5 as a reminder of this. However, with the lack of American standards, Median International Standards can provide a guidepost for those responsible for interpreting trace metal findings in fish and shellfish tissue.

TABLE BB-1

International Standards for Trace Elements in Fish and Molluscs

Element	Standard	Freshwater Fish	Marine Fish	Molluscs/ Shellfish	Country	Approximate Date of Adoption
Antimony	1.0 ppm	x	x	x	Hong Kong	1983
	1.0 ppm	x	x	x	New Zealand	1971
	1.5 ppm	x	x	x	Australia	1982
Arsenic	0.1 ppm	x	x	x	Venezuela	-
	1.0 ppm	x	x	x	Chile	-
	1.0 ppm	d	d	x	India	-
	1.0 ppm	x	x	x	New Zealand	1971
	1.0 ppm	e	e	e	United Kingdom	1959
	1.4 ppm	x			Hong Kong	1983
	1.5 ppm	x	x	x	Australia	1982
	1.5 ppm	c	c	c	Thailand	1982
	3.5 ppm	p	p		Canada	1976
	5.0 ppm	x	x	x	Finland	1980
	5.0 ppm	x	x	x	Zambia	1976
Cadmium	0.05 ppm	x	x		Netherlands	-
	0.1 ppm	c	c	c	Switzerland	1982
	0.1 ppm	r	x		Venezuela	-
	0.2 ppm	x	x		Australia	1982
	0.3 ppm	r	r		Finland	-
	0.5 ppm	x			W. Germany	1979
	1.0 ppm	x			Netherlands	-
	1.0 ppm	x	x		New Zealand	1971
	2.0 ppm	x			Australia	1982
	2.0 ppm	x	x	x	Hong Kong	1983
Chromium	1.0 ppm	x	x	x	Hong Kong	1983
Copper	10.0 ppm	x	x	x	Chile	-
	10.0 ppm	d	d		India	-
	10.0 ppm	x	x		Venezuela	-
	20.0 ppm	c	c	c	Thailand	1982
	20.0 ppm	g	g	g	United Kingdom	1956
	30.0 ppm	x	x	x	Australia	1982
	30.0 ppm	x	x	x	New Zealand	1971
	100.0 ppm	x	x		Zambia	1976
Fluoride	150.0 ppm	p	p		Canada	1979
Fluorine	10.0 ppm	x	x		New Zealand	1971
	25.0 ppm	x	x		Zambia	1976

p - in protein
e - except where natural levels are higher
c - in metal containers
g - recommended guideline
d - dry weight basis
r - revised limit (proposed)

TABLE BB-1 (continued)

International Standards for Trace Elements in Fish and Molluscs

Element	Standard	Freshwater Fish	Marine Fish	Molluscs/ Shellfish	Country	Approximate Date of Adoption
Lead	0.5 ppm	p	p		Canada	1979
	0.5 ppm	x			W. Germany	1979
	0.5 ppm	x	x		Netherlands	-
	1.0 ppm	x	x	x	Sweden	1979
	1.0 ppm	c	c	c	Switzerland	1982
	1.0 ppm	c	c	c	Thailand	1982
	2.0 ppm	x	x		Australia	1982
	2.0 ppm	x	x	x	Chile	1982
	2.0 ppm	x			Finland	1980
	2.0 ppm	x			Italy	1978
	2.0 ppm	x			Netherlands	-
	2.0 ppm	x	x		New Zealand	-
	2.0 ppm	l	l		Sweden	1979
	2.0 ppm	x	x		United Kingdom	1980
	2.0 ppm	x	x		Venezuela	-
	2.5 ppm	x			Australia	1982
	5.0 ppm	d	d		India	-
	6.0 ppm	x	x	x	Hong Kong	1983
	10.0 ppm	x	x		Zambia	1976
Mercury	International Standards for Mercury range from 0.1 ppm to 1.0 ppm. Twenty-eight countries have established standards for Mercury. The U. S. Food and Drug Administration has set an action level of 1.0 ppm in the edible portion of fish and molluscs. The median international standard is 0.5 ppm.					
Selenium	0.3 ppm	x	x	x	Chile	1982
	2.0 ppm	x	x		Australia	1982
	2.0 ppm	x	x		New Zealand	1971
Tin	50.0 ppm	x	x		Australia	1982
	100.0 ppm	x	x		Venezuela	-
	150.0 ppm	c	c	c	Finland	1979
	150.0 ppm	x	x		New Zealand	1977
	230.0 ppm	x	x	x	Hong Kong	1983
	250.0 ppm	d	d		India	-
	250.0 ppm	x	x		Thailand	1982
	250.0 ppm	g,c	g,c	g,c	United Kingdom	1973
Zinc	40.0 ppm	x	x	x	Australia	1982
	40.0 ppm	x	x		New Zealand	1971
	50.0 ppm	d	d		India	-
	50.0 ppm	g	g		United Kingdom	1953
	100.0 ppm	x	x	x	Chile	1982
	100.0 ppm	x	x		Zambia	1976

p - in protein
e - except where natural levels are higher
c - in metal containers
l - in liver
g - recommended guideline
d - dry weight basis
r - revised limit (proposed)

APPENDIX CC

Elevated Data Levels

Elevated Data Levels (EDL)

An EDL is defined for the purposes of the SMWP as that concentration of a toxic substance in mussels or clams that equals or exceeds a specified percentile (such as 85 percent) of all SMWP measurements of the toxic substance in the same species and exposure condition (resident or transplant) between 1977 and 1993. EDLs were determined as follows:

(1) All SMWP data from 1977 through 1993 were pooled by species and exposure, (2) The concentrations of each toxicant were ranked from highest to lowest concentration down to, and including, instances when a chemical was not detected, (3) The cumulative frequency of occurrence and percentile ranking for all concentrations were calculated, (4) The concentration of the toxic substance representing the 85th percentile was identified and designated the 85 percent EDL or EDL 85, and (5) The concentration of the toxic substance representing the 95th percentile was identified and designated the 95 percent EDL or EDL 95. The EDL 85 is that concentration of a toxic substance that equals or exceeds 85 percent of all SMWP measurements of the toxic substance in the same species and exposure between 1977 and 1993. The EDL 95 is that concentration of a toxic substance that equals or exceeds 95 percent of all SMWP measurements of the toxic substance in the same species and exposure between 1977 and 1993. EDLs for trace elements are summarized in Tables 6, 7, and 8. EDLs for synthetic organic substances are summarized in Tables 9 through 13.

Because EDLs are based on the relative ranking of each measurement, rather than a percentage of the highest concentration obtained, they are not influenced by unusually high (anomalous) toxicant values. This characteristic of EDLs is especially desirable in the evaluation of synthetic organic toxicants where the highest concentration may be as much as ten times the next highest concentration. EDLs do, however, reflect the biases of the data upon which they have been based.

Because they are based on SMWP data rather than an absolute number external to the SMWP, EDLs, when exceeded, can provide a sensitive first indication of elevated toxicant levels in California waters. As such, EDLs fulfill the monitoring function of the SMWP effectively. In addition, EDLs may be expressed in dry weight to eliminate data variability due to moisture content and to conform to scientific literature relevant to mussel or clam monitoring programs worldwide. However, EDLs do not assess adverse impacts, nor do they necessarily represent concentrations that may be damaging to the mussels, clams, or to a human consuming these species. They do not directly relate to Maximum Tissue Residue levels (MTRLs), FDA action levels, NAS guidelines, or Median International Standards (MIS).

APPENDIX DD

Corrected Phenol Data from

1984-85 and 1986-87

APPENDIX DD

State Mussel Watch Program

Corrected Phenol Data from 1984-85 and 1986-87 (ppb)

Station Number	Station Name	Sample Date	Species Type*	Phenol wet	Phenol dry	Phenol lipid
426.5	Cayucos Pier	03/12/85	TCM	0.2	1.0	44.4
426.5	Cayucos Pier	09/30/86	TCM	0.2	0.8	20.6
430.0	Montana De Oro	01/08/87	RCM	0.2	1.2	83.3
440.0	Lion Rock/Transplant	03/13/85	TCM	0.1	0.7	NA
440.0	Lion Rock/Transplant	04/03/87	TCM	0.2	1.3	37.7
441.0	Lion/Diablo/Transplant	03/13/85	TCM	0.1	0.7	NA
441.0	Lion/Diablo/Transplant	04/03/87	TCM	0.1	0.5	18.9
442.0	Diablo Cove/North/Transplant	03/13/85	TCM	0.1	0.7	NA
443.0	Diablo Cove/South/Transplant	04/03/87	TCM	0.2	1.3	57.1
444.0	Intake Cove/Transplant	03/13/85	TCM	0.2	1.2	31.2
444.0	Intake Cove/Transplant	04/03/87	TCM	0.2	1.3	100.0
445.0	San Luis Harbor/Transplant	04/02/87	TCM	0.1	0.5	12.8

* RCM = Resident California Mussel TCM = Transplanted California Mussel

NA = Not Analyzed (percent lipid not available).

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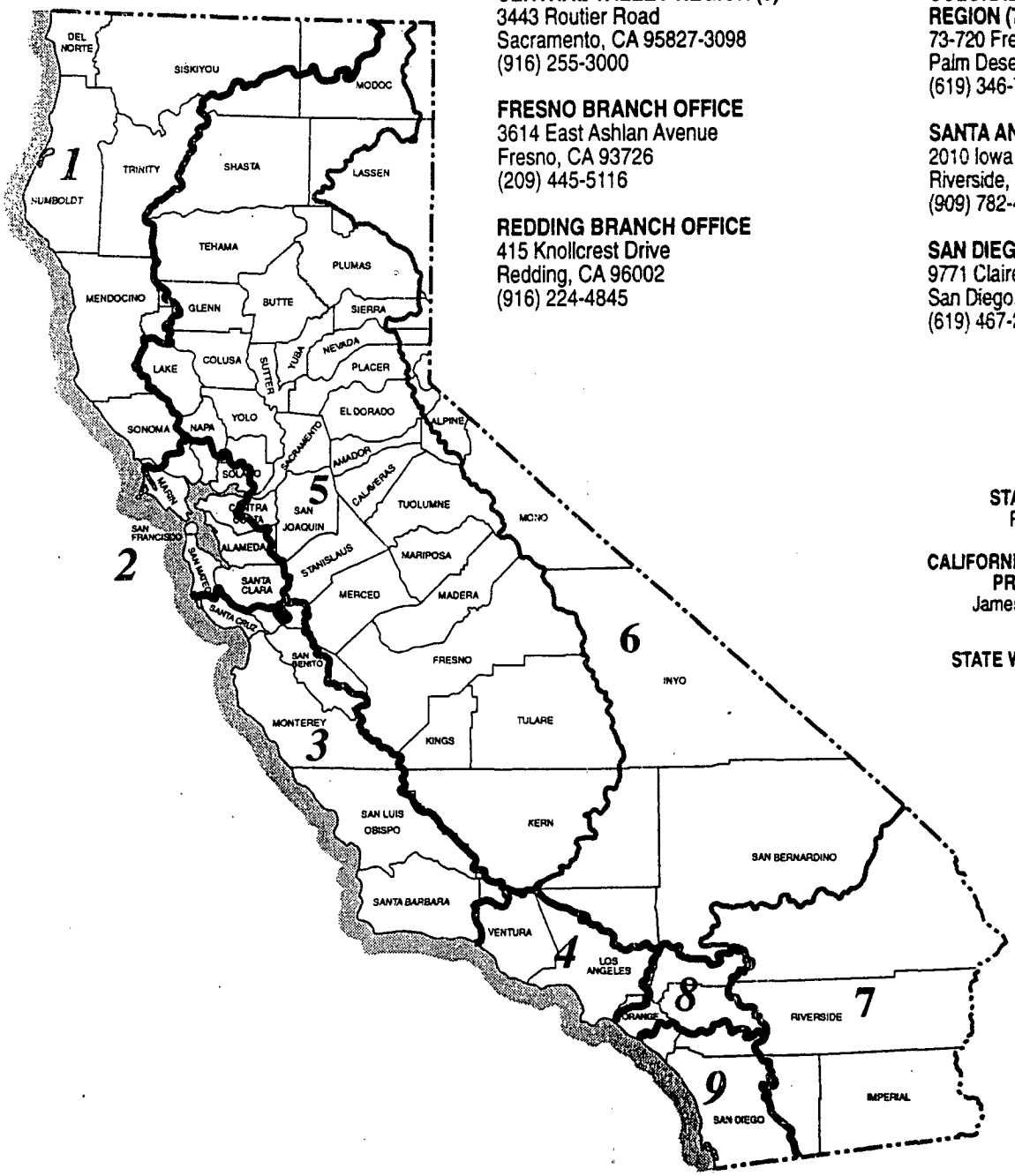

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