

APPENDIX H

**Summary of 1987-93 Data
Organic Chemicals Exceeding
Maximum Tissue Residue Levels (MTRLs) in
Enclosed Bays and Estuaries
(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/8B | TCM | 01/16/91 | | 1.9 | | 1.6 | | | 7.2 | 15.8 | |
| 309.0 | San Mateo Bridge/8B | TCM | 12/16/91 | | 1.6 | | 2.7 | | | 50.0 | 37.3 | |
| 309.0 | San Mateo Bridge/8B | 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 | | 277.2 |
| 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

H-6

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