

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	

* 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
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

G-4

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