From: Del Rasmussen
To: Linda Pardy; Michael Lyons; Pavlova Vitale
Date: Wed, May 2, 2001 8:59 AM
Subject: 2000 Organic Data

Hi,

Attached is the 2000 TSM organic data for your Region. It looks like the metal data will not be ready in time for you station selections. Let me know if you have any questions.

Del Rasmussen
Water Quality Assessment Unit
Division of Water Quality
State Water Resources Control Board
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CC: Dave Crane; Laurie Smith

TABLE 1

Toxic Substances Monitoring Program
Regions 4, 8, and 9
Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordane	cis-Chlordane	gamma-Chlordane	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
402.10.05	Ventura R/d/s OVSD Discharge	AC	W	08/17/00	<1.0	<1.0	2.5	<1.0	<2.0	<2.0	2.8	1.6	6.9	<2.0	<2.0
402.10.06	Ventura R/u/s OVSD Discharge	LMB	F	08/17/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
402.20.02	Casitas Lake	LMB	F	08/17/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
403.11.00	Santa Clara River Estuary	AC	W	08/09/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
403.11.00	Santa Clara River Estuary	AC	W	08/09/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.0	<1.0	1.0	<2.0	<2.0
403.12.06	Calleguas Creek	AC	W	08/09/00	<1.0	<1.0	7.5	1.5	4.3	4.3	15.2	1.9	34.7	2.1	4.7
403.64.03	Arroyo Conejo/d/s Forks	BLB	F	08/09/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.8	<1.0	1.8	7.9	<2.0
403.64.05	Arroyo Conejo/u/s HCTP	AC	W	08/09/00	<1.0	<1.0	7.1	<1.0	3.0	6.8	17.8	7.3	42.1	<2.0	3.7
403.64.05	Arroyo Conejo/u/s HCTP	PROI	F	08/09/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
403.67.08	Arroyo Simi/Madera Rd	AC	W	08/09/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.8	1.1	2.9	<2.0	3.6

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
402.10.05	3.9	<2.0	<2.0	<2.0	11.0	<3.0	<5.0	<3.0	NA	11.0	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
402.10.06	<2.0	<2.0	<2.0	<2.0	2.4	<3.0	<5.0	<3.0	NA	2.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
402.20.02	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.11.00	<2.0	<2.0	<2.0	<2.0	17.0	<3.0	<5.0	<3.0	NA	17.0	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.11.00	<2.0	<2.0	<2.0	<2.0	18.3	<3.0	<5.0	<3.0	NA	18.3	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.12.06	6.6	12.2	65.1	22.7	1758.0	50.9	14.6	31.2	NA	1954.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.64.03	2.0	<2.0	<2.0	<2.0	7.4	<3.0	<5.0	<3.0	NA	7.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.64.05	9.7	<2.0	2.1	<2.0	61.3	<3.0	<5.0	<3.0	NA	63.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.64.05	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
403.67.08	<2.0	<2.0	<2.0	<2.0	23.5	<3.0	<5.0	<3.0	NA	23.5	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
402.10.05	<1.0	<2.0	<2.0	13.2	13.2	<2.0	<1.0	0.8	<5.0	<3.0	<2.0	<4.0	<25.0	11.0	<10.0	11.0	<20.0	24.0
402.10.06	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
402.20.02	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
403.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	24.9	24.9
403.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	27.9	28.9
403.12.06	<1.0	<2.0	<2.0	4.1	4.1	<2.0	3.8	4.9	<5.0	7.7	<2.0	<4.0	<25.0	53.0	47.0	100.0	766.0	815.2
403.64.03	<1.0	<2.0	<2.0	2.5	2.5	<2.0	<1.0	1.0	<5.0	3.9	5.2	<4.0	<25.0	<10.0	<10.0	ND	<20.0	6.4
403.64.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	3.3	0.5	<5.0	5.1	<2.0	<4.0	<25.0	12.0	<10.0	12.0	26.7	81.9
403.64.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
403.67.08	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	0.5	<5.0	10.5	<2.0	<4.0	<25.0	18.0	<10.0	18.0	<20.0	2.9

NA Means that the sample was not analyzed for the chemical.
ND Means that the chemical was not detected.
< Means that the chemical was not detected above the indicated limit of detection.
F = Filet.
W = Whole Body.
Species codes are listed in Table 2.

TABLE 1

Toxic Substances Monitoring Program

Regions 4, 8, and 9

Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordene	cis-Chlordane	gamma-Chlordane	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
404.21.04	Malibu Cr/Tapia Park	LMB	W	08/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.3	<1.0	1.3	<2.0	<2.0
404.21.05	Malibu Cr/u/s Tapia Discharge	LMB	F	08/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
404.21.07	Malibou Lake	LMB	F	08/16/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.9	<1.0	1.9	<2.0	<2.0
405.15.04	San Gabriel River	TL	F	08/08/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
405.21.06	Los Angeles R/Los Feliz Rd	GAM	W	08/08/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	2.6	1.7	4.3	<2.0	<2.0
405.41.##	San Jose Creek	GAM	W	08/07/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	2.5	1.3	3.7	3.1	<2.0
405.43.##	San Gabriel R/W.F./d/s Cogswell Res	RBT	F	08/07/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.3	<1.0	1.3	<2.0	<2.0
801.11.05	Delhi Channel	GAM	W	07/13/00	<1.0	<1.0	<2.0	<1.0	<2.0	2.5	6.5	2.6	11.6	5.8	<2.0
801.11.05	Delhi Channel	PRS	W	07/13/00	<1.0	<1.0	7.7	<1.0	4.8	4.2	9.6	1.9	28.2	16.4	<2.0
801.11.05	Delhi Channel	TL	W	07/13/00	<1.0	<1.0	<2.0	<1.0	<2.0	2.3	5.1	1.1	8.5	3.8	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
404.21.04	<2.0	<2.0	<2.0	<2.0	4.7	<3.0	<5.0	<3.0	NA	4.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
404.21.05	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
404.21.07	<2.0	<2.0	<2.0	<2.0	4.7	<3.0	<5.0	<3.0	NA	4.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
405.15.04	<2.0	<2.0	<2.0	<2.0	3.1	<3.0	<5.0	<3.0	NA	3.1	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
405.21.06	3.9	<2.0	5.4	<2.0	17.2	<3.0	<5.0	<3.0	NA	22.6	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
405.41.##	3.4	<2.0	<2.0	<2.0	8.4	<3.0	<5.0	<3.0	NA	8.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
405.43.##	<2.0	<2.0	<2.0	<2.0	2.5	<3.0	<5.0	<3.0	NA	2.5	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.11.05	2.3	<2.0	5.3	<2.0	38.8	<3.0	<5.0	<3.0	NA	44.1	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.11.05	2.4	<2.0	9.9	<2.0	61.1	<3.0	<5.0	3.3	NA	74.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.11.05	<2.0	<2.0	4.8	<2.0	29.6	<3.0	<5.0	<3.0	NA	34.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
404.21.04	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	1.3
404.21.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
404.21.07	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	10.0	<10.0	10.0	<20.0	1.9
405.15.04	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
405.21.06	<1.0	<2.0	<2.0	3.3	3.3	<2.0	<1.0	<0.3	<5.0	7.5	<2.0	<4.0	<25.0	14.0	<10.0	14.0	<20.0	11.4
405.41.##	<1.0	<2.0	<2.0	2.2	2.2	<2.0	1.1	0.4	<5.0	<3.0	<2.0	<4.0	<25.0	11.0	<10.0	11.0	<20.0	10.5
405.43.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	11.0	<10.0	11.0	<20.0	1.3
801.11.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	62.0	13.0	75.0	<20.0	13.9
801.11.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	2.2	<5.0	5.5	<2.0	<4.0	20.0	82.0	33.0	135.0	27.8	58.4
801.11.05	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	48.0	16.0	64.0	<20.0	8.5

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Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordane	cis-Chlordane	gamma-Chlordane	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
801.11.07	San Diego Cr/Michelson Dr	PRS	W	07/12/00	<1.0	<1.0	2.8	<1.0	2.0	<2.0	4.7	2.0	11.6	<2.0	<2.0
801.11.09	San Diego Cr/Barranca Pkwy	PRS	W	07/12/00	<1.0	<1.0	2.4	<1.0	<2.0	<2.0	4.4	1.5	8.3	<2.0	<2.0
801.11.96	Peters Canyon Channel	PRS	W	07/12/00	<1.0	<1.0	5.3	<1.0	3.3	4.2	8.8	1.9	23.4	<2.0	<2.0
801.11.99	Upper Newport Bay/Newport Dunes	CH	F	07/13/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.7	<1.0	1.7	<2.0	<2.0
801.71.07	Big Bear Lk/Dam	CP	F	07/10/00	<1.0	<1.0	10.5	<1.0	4.2	7.0	10.1	<1.0	31.8	<2.0	<2.0
801.71.07	Big Bear Lk/Dam	LMB	F	07/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
801.71.10	Big Bear Lake	LMB	F	07/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
801.71.10	Big Bear Lake	LMB	F	07/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
801.71.12	Big Bear Lk/Rathbone Creek	CP	F	07/10/00	<1.0	<1.0	3.6	<1.0	<2.0	2.6	3.8	<1.0	10.0	<2.0	<2.0
801.71.12	Big Bear Lk/Rathbone Creek	LMB	F	07/10/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
801.11.07	4.5	2.2	17.3	<2.0	133.0	<3.0	<5.0	6.2	NA	158.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.11.09	<2.0	<2.0	10.5	<2.0	132.0	<3.0	<5.0	4.7	NA	147.2	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.11.96	5.3	3.5	25.2	3.6	432.0	5.9	<5.0	14.5	NA	484.7	NA	40.8	<2.0	NA	NA	ND	<2.0	<6.0
801.11.99	<2.0	<2.0	3.1	<2.0	47.7	<3.0	<5.0	<3.0	NA	50.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.07	<2.0	2.0	20.1	<2.0	66.0	<3.0	<5.0	4.9	NA	93.0	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.07	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.10	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.10	<2.0	<2.0	<2.0	<2.0	3.6	<3.0	<5.0	<3.0	NA	3.6	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.12	<2.0	<2.0	7.3	<2.0	34.0	<3.0	<5.0	<3.0	NA	41.3	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
801.71.12	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<5.0	<3.0	NA	ND	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
801.11.07	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	0.4	<5.0	52.6	<2.0	<4.0	<25.0	49.0	11.0	60.0	26.2	42.3
801.11.09	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	0.7	<5.0	77.6	<2.0	<4.0	<25.0	49.0	<10.0	49.0	33.1	41.4
801.11.96	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	0.5	<5.0	57.2	<2.0	<4.0	<25.0	26.0	10.0	36.0	48.1	76.8
801.11.99	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	18.0	<10.0	18.0	<20.0	1.7
801.71.07	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	1.1	<5.0	<3.0	<2.0	<4.0	<25.0	140.0	178.0	318.0	<20.0	31.8
801.71.07	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
801.71.10	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
801.71.10	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	11.0	11.0	22.0	<20.0	ND
801.71.12	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	0.6	<5.0	<3.0	<2.0	<4.0	<25.0	50.0	109.0	159.0	<20.0	10.0
801.71.12	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND

NA Means that the sample was not analyzed for the chemical.

ND Means that the chemical was not detected.

< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.

W = Whole Body.

Species codes are listed in Table 2.

TABLE 1

Toxic Substances Monitoring Program

Regions 4, 8, and 9

Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordane	cis-Chlordane	gamma-Chlordane	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
802.31.00	Lake Elsinore	CP	F	07/11/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	AC	W	07/25/00	<1.0	<1.0	2.5	<1.0	<2.0	<2.0	3.6	1.5	7.6	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	PRS	W	07/25/00	<1.0	<1.0	3.1	<1.0	<2.0	<2.0	4.0	<1.0	7.1	<2.0	<2.0
905.11.00	San Dieguito Lagoon	CH	F	07/25/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
906.50.##	Tecolote Creek Estuary	CKF	W	07/24/00	<1.0	<1.0	5.2	<1.0	<2.0	5.4	10.9	2.4	23.9	<2.0	<2.0
907.11.00	Famosa Slough	MOL	W	07/25/00	<1.0	<1.0	8.3	<1.0	3.9	7.9	9.8	1.9	31.8	<2.0	<2.0
908.22.01	Chollas Creek/Main Street	CKF	W	07/24/00	<1.0	<1.0	4.3	<1.0	<2.0	4.3	9.2	1.8	19.6	<2.0	<2.0
908.31.##	7th Street Ch/Trolley Xing	CKF	W	07/24/00	<1.0	<1.0	2.4	<1.0	<2.0	2.3	5.3	1.2	11.1	<2.0	<2.0
908.32.##	Paradise Creek Marsh	CKF	W	07/24/00	<1.0	<1.0	4.1	<1.0	<2.0	3.9	6.8	1.2	15.9	<2.0	<2.0
909.12.00	F-Q St Salt Marsh/Chula Vista	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
802.31.00	<2.0	<2.0	<2.0	<2.0	23.8	<3.0	<5.0	<3.0	NA	23.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	2.0	<2.0	3.6	<2.0	28.1	<3.0	<5.0	<3.0	NA	31.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	<2.0	<2.0	3.9	<2.0	29.7	<3.0	<5.0	<3.0	NA	33.6	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
905.11.00	<2.0	<2.0	<2.0	<2.0	21.7	<3.0	<5.0	<3.0	NA	21.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
906.50.##	2.5	<2.0	2.8	<2.0	12.6	<3.0	<5.0	<3.0	NA	15.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
907.11.00	2.5	<2.0	3.1	<2.0	9.1	<3.0	<5.0	<3.0	NA	12.2	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.22.01	2.6	<2.0	5.8	<2.0	18.9	<3.0	<5.0	<3.0	NA	24.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.31.##	<2.0	2.7	14.6	<2.0	18.7	<3.0	<5.0	3.3	NA	39.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.32.##	<2.0	<2.0	2.9	<2.0	21.6	<3.0	<5.0	<3.0	NA	24.5	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
909.12.00	<2.0	<2.0	<2.0	<2.0	6.8	<3.0	<5.0	<3.0	NA	6.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
802.31.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	43.0	10.0	<10.0	53.0	<20.0	ND
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	88.8	<2.0	<4.0	<25.0	35.0	<10.0	35.0	<20.0	9.6
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	120.0	<2.0	<4.0	<25.0	41.0	<10.0	41.0	<20.0	7.1
905.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
906.50.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	6.8	<2.0	<4.0	<25.0	32.0	<10.0	32.0	<20.0	26.4
907.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	49.0	14.0	63.0	<20.0	34.3
908.22.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	15.0	<2.0	<4.0	<25.0	81.0	20.0	101.0	<20.0	22.1
908.31.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	31.4	<2.0	<4.0	<25.0	85.0	<10.0	85.0	<20.0	11.1
908.32.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	24.0	<10.0	24.0	<20.0	15.9
909.12.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	33.0	114.0	10.0	157.0	<20.0	ND

NA Means that the sample was not analyzed for the chemical.
ND Means that the chemical was not detected.
< Means that the chemical was not detected above the indicated limit of detection.
F = Filet.
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Species codes are listed in Table 2.

TABLE 1

Toxic Substances Monitoring Program

Regions 4, 8, and 9

Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
909.12.01	Sweetwater Marsh	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.6	<1.0	1.6	<2.0	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
909.12.01	<2.0	<2.0	2.8	<2.0	25.6	<3.0	<5.0	<3.0	NA	28.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
909.12.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	75.0	14.0	89.0	<20.0	1.6

NA Means that the sample was not analyzed for the chemical.
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Species codes are listed in Table 2.

TABLE 2

Toxic Substances Monitoring Program
Regions 4, 8, and 9
2000 Species Code List

Freshwater Fish *

Species Code	Common Name	Species Name	Family Name
AC	Arroyo Chub	*Gila orcutti*	Cyprinidae
BLB	Black Bullhead	*Ameiurus melas*	Ictaluridae
CP	Carp	*Cyprinus carpio*	Cyprinidae
GAM	Mosquitofish	*Gambusia affinis*	Poeciliidae
LMB	Largemouth Bass	*Micropterus salmoides*	Centrarchidae
MOL	Sailfin Molly	*Poecilia latipinna*	Poeciliidae
PRS	Red Shiner	*Cyprinella lutrensis*	Cyprinidae
RBT	Rainbow Trout	*Oncorhynchus mykiss*	Salmonidae
TL	Tilapia	*Tilapia sp.*	Cichlidae

Marine Fish *

Species Code	Common Name	Species Name	Family Name
CH	California Halibut	*Paralichthys californicus*	Bothidae
CKF	California Killifish	*Fundulus parvipinnis*	Cyprindontidae

Non-Fish

Species Code	Common Name	Species Name	Family Name
PROI	Red Swamp Crayfish	Procambarus clarki	Astacidae

* Common and scientific fish names were obtained from Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and Scientific Names of Fishes from the United States and Canada. American Fisheries Society Special Publication 20, Bethesda, Maryland .

TABLE 1

Toxic Substances Monitoring Program
Regions 4, 8, and 9

Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
802.31.00	Lake Elsinore	CP	F	07/11/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	AC	W	07/25/00	<1.0	<1.0	2.5	<1.0	<2.0	<2.0	3.6	1.5	7.6	<2.0	<2.0
901.20.#A	San Juan Cr/Camino Capistrano	PRS	W	07/25/00	<1.0	<1.0	3.1	<1.0	<2.0	<2.0	4.0	<1.0	7.1	<2.0	<2.0
905.11.00	San Dieguito Lagoon	CH	F	07/25/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0
906.50.##	Tecolote Creek Estuary	CKF	W	07/24/00	<1.0	<1.0	5.2	<1.0	<2.0	5.4	10.9	2.4	23.9	<2.0	<2.0
907.11.00	Famosa Slough	MOL	W	07/25/00	<1.0	<1.0	8.3	<1.0	3.9	7.9	9.8	1.9	31.8	<2.0	<2.0
908.22.01	Chollas Creek/Main Street	CKF	W	07/24/00	<1.0	<1.0	4.3	<1.0	<2.0	4.3	9.2	1.8	19.6	<2.0	<2.0
908.31.##	7th Street Ch/Trolley Xing	CKF	W	07/24/00	<1.0	<1.0	2.4	<1.0	<2.0	2.3	5.3	1.2	11.1	<2.0	<2.0
908.32.##	Paradise Creek Marsh	CKF	W	07/24/00	<1.0	<1.0	4.1	<1.0	<2.0	3.9	6.8	1.2	15.9	<2.0	<2.0
909.12.00	F-G St Salt Marsh/Chula Vista	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	ND	<2.0	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
802.31.00	<2.0	<2.0	<2.0	<2.0	23.8	<3.0	<5.0	<3.0	NA	23.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	2.0	<2.0	3.6	<2.0	28.1	<3.0	<5.0	<3.0	NA	31.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
901.20.#A	<2.0	<2.0	3.9	<2.0	29.7	<3.0	<5.0	<3.0	NA	33.6	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
905.11.00	<2.0	<2.0	<2.0	<2.0	21.7	<3.0	<5.0	<3.0	NA	21.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
906.50.##	2.5	<2.0	2.8	<2.0	12.6	<3.0	<5.0	<3.0	NA	15.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
907.11.00	2.5	<2.0	3.1	<2.0	9.1	<3.0	<5.0	<3.0	NA	12.2	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.22.01	2.6	<2.0	5.8	<2.0	18.9	<3.0	<5.0	<3.0	NA	24.7	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.31.##	<2.0	2.7	14.6	<2.0	18.7	<3.0	<5.0	3.3	NA	39.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
908.32.##	<2.0	<2.0	2.9	<2.0	21.6	<3.0	<5.0	<3.0	NA	24.5	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0
909.12.00	<2.0	<2.0	<2.0	<2.0	6.8	<3.0	<5.0	<3.0	NA	6.8	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor-epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
802.31.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	43.0	10.0	<10.0	53.0	<20.0	ND
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	88.8	<2.0	<4.0	<25.0	35.0	<10.0	35.0	<20.0	9.6
901.20.#A	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	120.0	<2.0	<4.0	<25.0	41.0	<10.0	41.0	<20.0	7.1
905.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	<10.0	<10.0	ND	<20.0	ND
906.50.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	6.8	<2.0	<4.0	<25.0	32.0	<10.0	32.0	<20.0	26.4
907.11.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	49.0	14.0	63.0	<20.0	34.3
908.22.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	15.0	<2.0	<4.0	<25.0	81.0	20.0	101.0	<20.0	22.1
908.31.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	31.4	<2.0	<4.0	<25.0	85.0	<10.0	85.0	<20.0	11.1
908.32.##	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	24.0	<10.0	24.0	<20.0	15.9
909.12.00	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	33.0	114.0	10.0	157.0	<20.0	ND

NA Means that the sample was not analyzed for the chemical.
ND Means that the chemical was not detected.
< Means that the chemical was not detected above the indicated limit of detection.

F = Filet.
W = Whole Body.
Species codes are listed in Table 2.

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Regions 4, 8, and 9
Preliminary Summary of 2000 Data: Organic Chemicals in Fish an Crayfish (ppb, wet weight)

Station Number	Station Name	Species Code	Tissue Type	Sample Date	Aldrin	alpha-Chlordene	cis-Chlordane	gamma-Chlordene	trans-Chlordane	cis-Nonachlor	trans-Nonachlor	Oxychlordane	Total Chlordane	Chlorpyrifos	Dacthal
909.12.01	Sweetwater Marsh	CKF	W	07/24/00	<1.0	<1.0	<2.0	<1.0	<2.0	<2.0	1.6	<1.0	1.6	<2.0	<2.0

Station Number	Dieldrin	o,p' DDD	p,p' DDD	o,p' DDE	p,p' DDE	o,p' DDT	p,p' DDT	p,p' DDMU	p,p' DDMS	Total DDT	Dicofol	Diazinon	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Total Endosulfan	Endrin	Ethion
909.12.01	<2.0	<2.0	2.8	<2.0	25.6	<3.0	<5.0	<3.0	NA	28.4	NA	<20.0	<2.0	NA	NA	ND	<2.0	<6.0

Station Number	alpha-HCH	beta-HCH	delta-HCH	gamma-HCH (Lindane)	Total HCH	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Oxadiazon	Ethyl Parathion	Methyl Parathion	PCB 1248	PCB 1254	PCB 1260	Total PCB	Toxaphene	Chemical Group A
909.12.01	<1.0	<2.0	<2.0	<1.0	ND	<2.0	<1.0	<0.3	<5.0	<3.0	<2.0	<4.0	<25.0	75.0	14.0	89.0	<20.0	1.6

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Regions 4, 8, and 9
2000 Species Code List

Freshwater Fish *

Species Code	Common Name	Species Name	Family Name
AC	Arroyo Chub	*Gila orcutti*	Cyprinidae
BLB	Black Bullhead	*Ameiurus melas*	Ictaluridae
CP	Carp	*Cyprinus carpio*	Cyprinidae
GAM	Mosquitofish	*Gambusia affinis*	Poeciliidae
LMB	Largemouth Bass	*Micropterus salmoides*	Centrarchidae
MOL	Sailfin Molly	*Poecilia latipinna*	Poeciliidae
PRS	Red Shiner	*Cyprinella lutrensis*	Cyprinidae
RBT	Rainbow Trout	*Oncorhynchus mykiss*	Salmonidae
TL	Tilapia	*Tilapia sp.*	Cichlidae

Marine Fish *

Species Code	Common Name	Species Name	Family Name
CH	California Halibut	*Paralichthys californicus*	Bothidae
CKF	California Killifish	*Fundulus parvipinnis*	Cyprindontidae

Non-Fish

Species Code	Common Name	Species Name	Family Name
PROI	Red Swamp Crayfish	Procambarus clarki	Astacidae

* Common and scientific fish names were obtained from Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea, and W.B. Scott. 1991. Common and Scientific Names of Fishes from the United States and Canada. American Fisheries Society Special Publication 20, Bethesda, Maryland.