LINK ENDAN



# **305 (b)** Water Quality Report For Water Years 1988 - 1989

Reporting on water quality conditions within the State of California

90-6WQ

WATER RESOURCES CONTROL BOARD STATE OF CALIFORNIA 90

1990

1

0.0

HYDROLOGIC		
UNIT NO.	WATER BODY NAME	SIZE
	NORTH COAST BASIN (OCEAN, SAMOA PEN.)	1
105.50	BEAUGHTON CREEK	6
114.11	BARLOW CREEK	1
114.21	LAGUNA DE SANTA ROSA	26
115 30	AMERICANO CREEK	7
115 30	ESTERO AMERICANO	692
115.60	ESTERO DE SAN ANTONIO	319
115 40	STENDIE OPEEK	17
201 11	TOMALES BAY	7820
201.11	UALKED CREEK (REG 2)	25
201 13	LACINITAS CREEK	22
203 12	SAN EPANCISCO RAY CENTRAL	67700
203.12	RICHARDSON BAY	2560
204 10	SAN FRANCISCO BAY LOWER	79900
204.10	ALAMEDA CREEK	27
204.30		
205 10	SAN EPANCISCO BAY SOUTH	24500
205 /0	ALAMITOS CREEK	21
205.40		350
205.40		6
205.40		80-
205.40		12
205.40	SAN PARIO RAY	71300
206.10	DETAILINA DIVED	25
206.50		23
206.50		55
207 10	CADOULNEZ STRALT	6560
207.10	DEVICE STRATT	1
207:10	SACRAMENTO SAN JOAQUIN DELTA	3400
207 10	SUISIIN BAY	25000
207 21	HERMAN LAKE	110
207 23	SUISUN MARSH	57000
304 10	WADDELL CREEK FAST BRANCH	3
304.10	CARRONERA CREEK	13
30/ 12		2
304.12	LOCKHART GUICH CREEK	3
304.12	LOCAN CREEK	1
304 12	LONDICO CREEK	. 4
304.12	MARSHALL CREEK	2
304.12	SAN LORENZO RIVER	25
304.12	SAN LORENZO RIVER ESTUARY	2
304.12	SCHWAN LAKE	24
304.12	SHINGLE MILL CREEK	2
304.12	ALBA CREEK	1
304.13	APTOS CREEK	8
304,13	BURNS CREEK	3
304.13	MINERS CREEK	2
304.13	RUINS CREEK	3
304.13	SOQUEL LAGOON	2
304.13	VALENCIA CREEK	- -
304.14	GROVER GULCH	3
305 10	DIABLO GULCH CREEK	2

B-3

2 m 4 m 1 1

HYDROLOGIC		
UNIT NO.	WATER BODY NAME	SIZE
305.10	REDWOOD CREEK	2
305.10	RIDER GULCH CREEK	2
305.10	WATSONVILLE SLOUGH / PAJARO SLOUGH	150
305.50	HERNANDEZ RESERVOIR	590
306.00	ELKHORN SLOUGH	2100
306.00	MOSS LANDING HARBOR	400
30981	🗸 LAS TABLAS CREEK, NORTH FORK	5
309.10	BLANCO DRAIN	8
309.10	ESPINOSA SLOUGH	320
309.10	MORO COJO SLOUGH	150
309.10	OLD SALINAS RIVER	5
309.10	OLD SALINAS RIVER EST	50
309.10	SALINAS LAGOON	150
309.10	SALINAS RIVER	180
309.10	TEMBLADERO SLOUGH	1000
309.20	SALINAS RECLAMATION CANAL	20
309.50	MONTEREY BAY SOUTH	67840
309.50	MONTEREY HARBOR	74
309.70	CHALONE CREEK	15
309.70	PANCHO RICO CREEK	15
309.70	SAN LORENZO CREEK	39
309.81	🧹 LAS TABLAS CREEK	5
309.81	🗸 LAS TABLAS CREEK, SOUTH FORK	4
309.82	VACIMIENTO RESERVOIR	5370
310.22	CHORRO CREEK	13
310.22	LOS OSOS CREEK	8
310.22	MORRO BAY	3200
310.24	SAN LUIS OBISPO CREEK	15
314.00	SANTA YNEZ RIVER	70
315.31	GOLETA SLOUGH/ESTUARY	400
315.32	ARROYO BURRO CREEK	5
315.32	MISSION CREEK	7
315.34	CARPINTERIA MARSH (EL ESTERO MARSH)	215
402.10	REVOLON SLOUGH	9
403.11	CALLEGUAS CREEK	22
403.11	MUGU LAGOON	1500
403.51	ELIZABETH LAKE	90
403.51	HUGHES LAKE	40
405.12	COLORADO LAGOON	13
405.12	HARBOR PARK LAKE	50
405.12	LONG BEACH HARBOR (INNER)	840
405.12	LOS ANGELES HARBOR (INNER)	1260
405.13	BALLONA WETLANDS	150
405.13	MARINA DEL REY HARBOR	354
405.13	SANTA MONICA BAY (VENTURA CO.LINE TO POI	256000
405.15	SAN GABRIEL RIVER (TIDAL PRISM)	3
405.52	PUDDINGSTONE RESERVOIR	490
	DOLLY CREEK	1
	PANOCHE CREEK	1
	SACRAMENTO SLOUGH	1 <b>-</b>
500.00	SACRAMENTO RIVER (RED BLUFF TO DELTA)	215
505.10	WEST SQUAW CREEK	8

۲**,** ۲ м,

HYDROLOGIC		
UNIT NO.	WATER BODY NAME	SIZE
506.1	SHASTA LAKE	29500
506.20	LITTLE BACKBONE CREEK	3
507.33	LITTLE COW CREEK	33
508.10	SACRAMENTO R. (SHASTA DAM TO RED BLUFF)	72
510.00	BEACH LAKE	295
512.21	BERRYESSA LAKE	20700
512.24	JAMES CREEK	6
513.32	DAVIS CREEK RES	290
513.51	HARLEY GUICH	8
513.51	SULFUR CREEK	7
513.52	CLEAR LAKE	43000
516.32	FRENCH RAVINE	1
517.32	HUMBUG CREEK	9
517.42	KANAKA CREEK	1
518-54	LITTLE GRIZZLY CREEK	10
519-21	AMERICAN RIVER	265
519.22	FEATHER RIVER. LOWER	12
519.22	NATOMAS EAST MAIN DRAIN	12
520.21	COLUSA DRAIN	70
524.40	KESWICK RES	650
524.40	SPRING CREEK	8
524-61	WISKEYTOWN RES	3251
524 63	WILLOW CREEK (WHISKEYTOWN)	15
526.20	HORSE CREEK	2
526.20		3
526.40	FALL RIVER (PIT)	25
531 20		20
531 40	IONE TREE CREEK	
531 40		د. 10
535 00		90
535.30	STANISLAUS RIVER (LOWER)	48
535.50	LATERAL #5	5
535.50	TUOLUMNE RIVER (LOWER)	50
541.10	ORESTIMBA CREEK	3
541.20	GRASSI ANDS MARSHES	8224
541.20	MUD SLOUGH	14
541.20	SALT SLOUGH	15
542.20	SAN CARLOS CREEK	1
543.00	DELTA (S.J. AT ANTIOCH)	1
543 00	DUNN CREEK	ģ
543 00	MARSH CREEK	24
543.00	MARSH CREEK RES	375
544.00	DELTA WATERWAYS	700
544 00		30
544.00	NEW MORMON SLOUGH	1
544.00	OLD MORMON SLOUGH	1
544.00 544 DD/	OLD RIVER	48
544.00	PORT OF STOCKTON	
544,00	SAN JOAQUIN RIVER	, 330
551_90	KINGS RIVER (LOWER)	95
601.00		1
601.00	MILL CREEK (1)	1
001.00	HILL ONLER VIV	

i che

ξ Ť ; \*

HYDROLOGIC		•
UNIT NO.	WATER BODY NAME	<u>SIZE</u>
601 00	MONO LAKE	35000
601.00	MONO LAKE AREA WETLANDS	1
601.00	PARKER CREEK	1
601.00	RUSH CREEK (1)	1
601.00	WALKER CREEK	1
601.00	WILSON CREEK	1
603.00	KEOUGH HOT SPRINGS	1
603.10	HOT CREEK (2)	10
603.20	BIG PINE CREEK	1
603.20	BISHOP CREEK	30
603.20	HORTON CREEK	1
603.20	PELLISIER CREEK	1
603.30	COTTONWOOD CREEK (1)	1
603.30	DIVISION CREEK	1
603.30	OWENS LAKE	175
603.30	OWENS LAKE WETLANDS	1
603.30	OWENS RIVER	120
605.00	DEEP SPRINGS LAKE	1
609.00	AMARGOSA RIVER	198
621.00	SEARLES LAKE	26100
628.20	GRASS VALLEY LAKE	20
628.20	GREEN VALLEY LAKE CREEK	5
628.20	MOJAVE RIVER	100
630.10	EAST WALKER RIVER	13
630.40	HOT CREEK (1)	1
631.00	FALES HOT SPRINGS	1
631.00	WEST WALKER RIVER	47
631.10	RODRIGUEZ CREEK	1
631.10	TOPAZ LAKE	2300
632.00	CARSON RIVER, E FK	46
632.10	ASPEN CREEK	4
632.10	BRYANT CREEK	4
632.10	LEVIATHAN CREEK	4
632.10	MONITOR CREEK	4
632.20	INDIAN CREEK (1)	1
632.20	INDIAN CREEK RES	160
633.00	CARSON RIVER, W FK	. 28
634.10	HEAVENLY VALLEY CREEK	1
634.20	BLACKWOOD CREEK	1
634.20	MARTIS CREEK	12
634.30		120000
635.00	CINDER CONE SPRINGS	1
635.20	SQUAW CREEK MEADOW WEILANDS	1
657.00	LASSEN UREER	1
037.20	AMEDEE MUT SPRINGS	
637.20	HONEY LAKE	55327
031.20	HUNEY LAKE AREA WETLANDS	1
031.20	HUNEY LAKE WILDFOWL MGMT.	500
051.20	SUSAN RIVER	59
037.20		1
037.20	WENDEL HUI SPRINGS	1
637.30	EAGLE LAKE (2)	25000

· · ·

HYDROLOGIC		
UNIT NO.	WATER BODY NAME	<u>SIZE</u>
637.30	PINE CREEK (2)	1
641.00	ALKALI LAKE, LOWER	10855
641.00	ALKALI LAKE, MIDDLE	39475
641.00	ALKALI LAKE, UPPER	24250
641.30	MILL CREEK (3)	1
715.40	PALO VERDE OUTFALL DRAIN	16
719.47	COACHELLA VALLEY STORM CHANNEL	20
723.10	ALAMO RIVER	52
723.10	IMPERIAL VALLEY DRAINS	1305
723.10	NEW RIVER	60
728.00	SALTON SEA	220000
801.11	HUNTINGTON HARBOUR	150
801.11	NEWPORT BAY, LOWER	700
801.11	SAN DIEGO CREEK, REACH 1	6
801.11	SAN DIEGO CREEK, REACH 2	6
801.11	UPPER NEWPORT BAY ECOLOGICAL RESERVE	752
801.13	SANTA ANA RIVER, REACH 2	19
801.20	SANTA ANA RIVER, REACH 3	18
801.27	EVANS, LAKE	42
801.27	SANTA ANA RIVER, REACH 4	12
801.62	SAN TIMOTEO CREEK, REACH 4	14
•	COASTLINE OF SAN DIEGO REGION	102
901.10	ALISO CREEK	20
901.20	ARROYO TRABUCO	1
901.20	SAN JUAN CREEK	9
902.11	OCEANSIDE HARBOR	210 -
902.11	SANTA MARGARITA LAGOON	268
904.31	AGUA HEDIONDA LAGOON	400
904.51	BATIQUITOS LAGOON	420
904.61	SAN ELIJO LAGOON	330
906.10	LOS PENASQUITOS LAGOON	385
906.40	FAMOSA SLOUGH	31
906.40	MISSION BAY	1520
908.21	SAN DIEGO BAY	12000
911.11	TIJUANA EST SHORELINE	10
911.11	TIJUANA RIVER	7
911.11	TIJUANA RIVER ESTUARY	150

B-7

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT 5 . 1990	Report Dat	te: 4/30/91
				Wetlands	;					Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wa	ter Qual	ity Condit	ion					.344449
	<u>Hydrologic</u>		Inter-			<u>Total</u>	Fact			1
Water Body Name	<u>Unit No.</u>	Good	mediate	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 d m s l</u>
GRASSLANDS MARSHES	541.20	0	0	8224	0	8224	Yes	Aquatic life impairment Wildlife impairment Selenium, TDS	Non-Point	X X X X
Resource Value:	_2									
Problem Descrip Problem Source( Current Actions	tion:									
HONEY LAKE AREA WETLANDS Resource Value:	637.20 3	0	0	1	0	1	Yes	Geothermal impacts Agricultural impacts (see Honey Lake)	Point & Non-Point	x x x . x
Problem Descrip Problem Source( Current Actions	tion:agrid s): :	cultur	al drain	age, geoth	ıermal imp	acts				
MONO LAKE AREA WETLANDS <u>Resource Value:</u>	601.00 3	0	0	1	0	1	Yes	Water diversions (see Mono Lake)	Non-Point	x x x . x
Problem Descrip Problem Source( Current Actions	tion:wate s): :	r dive	rsions t	hreaten AS	SBS , (see	Mono Lak	(e HU)			i
OWENS LAKE WETLANDS <u>Resource Value:</u>	603.30 3	0	0	1	0	1	Yes	Water diversions (see Owens River)	Non-Point	<b>x x x . x</b>
<u>Problem Descrip</u> Problem Source(	<u>tion:</u> wate <u>s):</u>	r dive	rsion im	pacts						

.

-

× .

.

Page 1

-

				ST	ATEWIDE W/ 1990 30	ATER QUA )3D List	LITY AS Waters	SSESSMENT		
					Effective	Date:	April,	1990	Report D	ate : 4/30/91
				Wetlands	:					Federal Lists 33333333 1000011
		Wa	ter Qual	ity Condit	ion					. 3 4 4 4 4 9
<u>Water Body Name</u> Current Actions:	<u>Hydrologic</u> <u>Unit No.</u>	<u>Good</u>	<u>Inter-</u> mediate	Impaired	<u>Unknown</u>	<u> </u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 <u>1 D M S L</u>
TEMBLADERO SLOUGH	309.10	0	0	1000	0	1000	Yes	Potential water quality limited segment Elevated pesticides in fish tissue Ag/Urban runoff entering slough	Non-Point	x x x . x
Ag/Urban inputs <u>Problem Source(s</u> <u>Current Actions</u> : AMEDEE HOT SPRINGS Passures Value:	difficult Ag and 637.20	to con Urban 0	trol. H runoff O	igh Dactha 1	l concentr O	ations	foundir Yes	D TSM samples. Objectives violated Geothermal springs (see Honey Lake)	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	0bjea 	ctives	violated	l, geother	mal spring	IS				
CINDER CONE SPRINGS <u>Resource Value:</u>	635.00 _4	0	0	1	0	1	Yes	Objectives violated Domestic wastewater impacts (see Truckee River)	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> objea <u>):</u>	ctives	violates	, domesti	ce wastewa	terimpa	cts			

•

				ST	ATEWIDE WA 1990 30	TER QUA	LITY AS Waters	SESSMENT		
					Effective	Date:	April,	1990	Report Da	te: 4/30/91
				Wetlands						Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	Hydrologic	<u>Water</u> In	<u>Quali</u>	ty Condit	ion	Total	Fact			.344449
Water Body Name	<u>Unit No.</u>	<u>Good</u> me	ediate	<u>Impaired</u>	<u>Unknown</u>	Size	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
ESPINOSA SLOUGH <u>Resource Value:</u>	309.10 _4	0	0	320	0	• 320	Yes	Return Ag flows carrying pesticides. Objectives violated Elevated fish tissue levels	Non-Point	x x x . x
Problem Descript Dacthal, Dieldr Problem Source(s Current Actions:	tion:High in, and Hexa s):Chemica	DDT leve chlorobe ls assoc	els to enzene. ciated	and in sh with Agpr	ellfishmor actices.	itored	Ьу ЅМ₩.	TSM found elevated levels of Toxaphene,	Total Chlorodane,	
FALES HOT SPRINGS	631.00	0	0	1	<b>0</b>	1	Yes	Geothermal springs Arsenic, uranium (see West Walker River)	Non-Point	x x x . x
Resource Value:	4								·.	
Problem Descript Problem Source(: Current Actions:	tion:geoth <u>s):</u> :	ermal sp	orings,	arsenic,	uranium	·				
KEOUGH HOT SPRINGS <u>Resource Value:</u>	603.00 4	0	0	1	0	1	Yes	High fluoride (see Owens River)	Non-Point	x x x . x
Problem Descrip Problem Source( Current Actions	tion:_high s): :	fluoride	2							:
MUD SLOUGH	541.20	0	0	14	0	14	Yes	Selenium, TDS Fisheries habitat degradation	Non-Point	ххх.х
Problem Descrip										:

Page 3

				ST	ATEWIDE W	ATER QU	ALITY AS	SSESSMENT	. e	
					1990 3	03D List	t Waters	3 1990	Report D	ata • 4/30/01
					LITECTIVE	vale.	κμιτ,	1770	Keport D	ate: 4/30//1
-		<u>Wa</u>	<u>ter Qual</u>	Wetlands ity Condit	ion	·				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9
	Hydrologic		<u>Inter-</u>			<u>Total</u>	<u>Fact</u>			1
<u>Water Body Name</u> <u>Current Actions:</u>	<u>Unit No.</u>	<u>Good</u>	<u>mediate</u>	<u>Impaired</u>	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 d m s l</u>
SALT SLOUGH	541.20	0	0	15	0	15	Yes	Aquatic life impairments Selenium, TDS, pesticides		x x x . x
<u>Resource Value:</u>	_4									
Problem Descript Problem Source(s Current Actions:	ion:									
SQUAW CREEK MEADOW WETLANDS Resource Value:	635.20 4	0	0	1	0	1	Yes	Wetlands alteration Impacts of recreation (see Truckee River)	Non-Point	x x x <i>.</i> x
<u>Problem Descript</u> <u>Problem Source(s</u> <u>Current Actions:</u>	<u>ion:</u> wetla ):	ands a	lteration	n, impacts	of recrea	ation		•		
TOP SPRING	637.20	0	0	1	0	1	Yes	Drinking water impairment Objectives violated	Non-Point	x x x <i>.</i> x
<u>Resource Value:</u>	_4							(see Honey Lake)		
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> drink ):	cing wa	ater impa	nirment			ž			
WENDEL HOT Springs	637.20	0	0	1	0	1	Yes	Objectives violated Geothermal springs	Non-Point	x x x . x
Resource Value:	_4							(See noney Lake)		
Problem Descript	<u>ion:</u> geoth	nermal	springs							

.

1

				ST	ATEWIDE W 1990 3 Effective	ATER QUA 03D List Date:	LITY AS Waters April.	SESSMENT	Report Di	ate: 4/30/91
			0 <b>1</b>	Wetlands						Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
Water Body Name Problem Source( Current Actions	<u>Hydrologic</u> <u>Unit No.</u> s): :	<u>wa</u> <u>Good</u>	<u>lnter-</u> <u>mediate</u>	Impaired	<u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> <u>Sheet</u>	Problem Description	<u>Problem Source</u>	. 5 4 4 4 4 9 1 <u>1 D M S L</u>
NEW MORMON SLOUGH <u>Resource Value:</u>	544.00 5	0	0	1	0	1		Elevated fish tissue levels Health advisory for Hg	Non-Point	. x x . x
Problem Descrip Problem Source( Current Actions	tion:									
OLD MORMON SLOUGH <u>Resource Value:</u>	544.00 5	0	0	1	0	1		Elevated fish tissue levels Health advisory for Hg	Non-Point	. x x . x
Problem Descrip Problem Source( Current Actions	tion: s): :			·				·		
SACRAMENTO SLOUGH <u>Resource Value:</u>	5	0	0	1	Ō	1	Yes	Elevated fish tissue levels	Non-Point	x x x . x
Problem Descrip	<u>tion:</u> Fish	tissu	e routin	ely exceed	ds NAS gui	delines	for me	cury. In bioassay tests, the sloug	h periodically tests toxi	c to

• 3

the fish and invertebrate species.

)

.

<u>Problem Source(s):</u> The source of the mercury is unknown. The toxicity is probably related to agricultural discharges. <u>Current Actions:</u> Intensive work is underway at Colusa Basin Drain. Control strategies develo ped there should be applicable in the slough.

				ST	ATEWIDE WA 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SESSMENT 1990	Report	Date :	4/30/91
				Rivers a	and Streams	5				Fed	eral Lists
										33	33333
										10	00011
		Wa	ter Quali	ty Condit	ion					. 3	44449
	Hydrologic		Inter-			Total	Fact			1	
Water Body Name	<u>Unit No.</u>	Good	mediate	<u>Impaired</u>	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D</u>	MSL
AMERICAN RIVER	519.21	242	0	23	0	265	Yes	Toxic bioassay results	Non-Point	хх	x . x
Resource Value:	_1							Inreat of elevated fish tissue levels Fisheries habitat degradation			

<u>Problem Description:</u> Fish occasionally exceed mercury NAS guideline and consistently approach the chlordane NAS guideline. Fish exceed the NAS criteria for Group A pesticides. Bioassay results have shown acute toxicity in the River following discharges of urban stormwater runoff. Periodic chronic toxicity was observed at other times. Discharge significance to the Sacramento River and Delta is unknown.

Problem Source(s): Urban runoff is the likely source for chlordane, Group A pesticides and toxicity observed during storm event

s. Past mining activity probably responsible for mercury and toxicity.

<u>Current Actions:</u> Sacramento City and County are conducting an urban runoff study to further r

efine previous Regional Board findings that significant in-River toxicity was present during storm induced urban runoff. Bioassay results suggest that there are sources of toxicity unrelated to urban runoff. Follow-up sourceinvestigations have not been initiated. Routine regulatory activities continue at point and nonpoint sources.

DELTA (S.J. AT	543.00	0	0	1	0	1	Yes	Dioxin discharge	Point	хх.хх
ANTIOCH)										
Resource Value:	_1									

Problem Description: Problem Source(s): Current Actions:

				ST	ATEWIDE W/ 1990 30	ATER QUA D3D List	LITY AS Waters	SESSMENT		
	,				Effective	Date:	April,	1990	Report Da	ate: 4/30/91
				Rivers a	and Streams	5				Federal Lists 3 3 3 3 3 3 3 3
	Hydrologic	<u>Wa</u>	<u>ter Qual</u> Inter-	ity Condit	ion	Total	Fact			. 3 <sup>2</sup> 44449
Water Body Name	<u>e</u> <u>Unit No.</u>	Good	mediate	Impaired	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	1 D M S L
DELTA WATERWAY	s 544.00	0	0	700	0	700	Yes	Health advisories for Hg Fisheries habitat impairment	Non-Point	x x x . x
Resource Value	<u>: 1</u>							Elevated Dioxin, pesticides		

<u>Problem Description:</u> Fish routinely exceed FDA/NAS guidelines for mercury, PCB and DDT; occasionally exceed FDA guideline for chlordane; rou tinely exceed NAS guideline for chlordane and toxaphene. A consumer healthadvisory is in effect for mercury in striped bass. Levels of other constitu ents in fish and invertebrates may pose a human health risk if consumed. In a localized area fish contain elevated dioxin levels. <u>Problem Source(s):</u> In-Delta and upstream agricultural sources. Mercury and other metals are from upstream mines and natural so urces.

Current Actions: \_ A principle source of dioxin in the Delta is under investigation. A mercury

abatement project is underway at an upstream mine (Sulphur Bank). Past survey work suggests that mercury sources are widespread. A PCB study indicated that sources are widespread and not concentrated. Limited work has been done on the San Joaquin to define sources of the pesticides that accumulate in fish tissues.

FEATHER RIVER,	519.22	0	0	12	0.	12	Yes	Elevated fish tissue levels	Non-Point	X X X . X
LOWER .								Toxic bioassay results		
	7							Fisheries habitat impairment		

Resource Value: 1

<u>Problem Description:</u> Fish routinely exceed NAS guidelines for mercury, Group A pesticides and toxaphene. Bioassay results suggest periodic toxicity.

Problem Source(s): Past mining activity is the probable source of mercury. Presumably pesticides come from agricultural dis-

charges. The source of toxicity is unknown.

<u>Current Actions:</u> Limited toxicity testing is underway. No specific sources have been identif

ied. Routine regulatory activities continue at applicable NPDES facilities and other nonpoint sources.

				ទា	ATEWIDE W 1990 30 Effective	ATER QUA 03D List Date:	LITY AS Waters April,	SSESSMENT S 1990	Report D	ate: 4/30/91
				Rivers a	and Stream	s				Federal Lists
										3333333
										1000011
		Wa	ter Quali	ity Condit	ion					. 3 4 4 4 4 9
	Hydrologic		Inter-		•	Total	Fact			1
Water Body Name	<u>Unit No.</u>	<u>Good</u>	mediate	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
SACRAMENTO	508.10	0	12	60	0	72	Yes	Elevated fish tissue levels	Non-Point	x x . x x . x
R.(SHASTA DAM TO	)							Fisheries habitat degradation		
RED BLUFF)								Fish kills, warm water, Dioxin		
Resource Value:	1							· · ·		

<u>Problem Description:</u> Heavy metals cause reductions in fish and invertebrate populations. Massive fish kills have occurred in the past. Warm water releases from Shasta Dam have periodically impacted the cold water fishery. Fish in the vicinity of Anderson and Red Bluff have elevated lev els of\_dioxin.

Problem Source(s): \_ Iron Mountain Mine and others are the source of metals. Increased temperatures are due to release patterns

from Shasta Dam. Simpson Paper Co. is the likely source of dioxin.

Current Actions: Abatement projects are underway at Iron Mountain, Mammoth, Keystone, Stowell

, Balaklala, Bully Hill, Afterthought, and Greenhorn Mine. Waste discharge requirements were adopted to control the temperature of releases from Shasta Dam (and subsequently rescinded). Requirements have been revised for Simpson Paper Co. to address Dioxins (a 90% reduction has been obtained thus far) Routine regulatory activities and assessment work continue.

SACRAMENTO RIVER 500.00	80	75	60	0	215	Yes	Toxic bioassay results	Non-Point	X X X . X
(RED BLUFF TO							Degraded fisheries habitat		
DELTA)							Low flows, warm water <sup>.</sup>		
Resource Value: 1									

Problem Description: Bioassay results suggest periodic toxicityin the River.

Problem Source(s): Unknown

.

<u>Current Actions:</u> Toxicity testing continues in this portion of the River. Routine regulatory

activity continues at applicable NPDES facilities and nonpoint sources.

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA )3D List Date:	LITY AS Waters April,	SESSMENT 1990	Report	Date :	4/30/91
				Rivers a	nd Streams	3				Fed	eral Lists
				•						33	33333
										10	00011
		Wa	ter Quali	ty Condit	ion					. 3	44449
	Hydrologic		Inter-			Total	Fact			1	
Water Body Name	Unit No.	Good	mediate	Impaired	Unknown	Size	Sheet	Problem Description	Problem Source	<u>1 D</u>	MSL
											1
OWENS RIVER	603.30	1	0	1	118	120	Yes	Elevated fish tissue levels	Non-Point	ХХ	X . X
								Fish kills			
Resource Value:	2							Fish population decline			

<u>Problem Description:</u> Includes surface waters in the Owens HU.NPS pollution from ski areas, grazing, recreational use and development. Severe diversions of SW by LADWP has caused dewatering of streams with resultant fish kills and loss of habitat. Proposed small hydro projects may also reduce stream flows needed for fisheries.

<u>Problem Source(s):</u> NPS erosion from ski areas,urban development and LADWP diversions.

<u>Current Actions:</u> Regulation (BMPs) of large land disturbance projects. Limited review of

proposed hydro. projects.

SAN JOAQUIN	544.00	155	75	100	0	330	Yes	Fish population decline	Non-Point	X X X . X
RIVER								Elevated fish tissue levels		1
						•		Toxic bioassay results		

Resource Value: 2

<u>Problem Description:</u> Selenium, salt and boron may be evaluated. Fish at Vernalis contain elevated pesticide levels (exceeding NAS guidelines). Bioassay results suggest periodic toxicity in the River. All tributaries have tested toxic (sometimes acutely) at some time. Impacts on the Delta are unmeasured and unknown.

<u>Problem Source(s):</u> Agricultural discharges and, toa lesser extent, point source discharges.

Current Actions: Adopted management plan emphasizes reduction in drainage flows and continual

, indepth, monitoring to evaluate whether plan objectives are being met. Toxicity testing in the River is ongoing. Follow-up work has been initiated where problems are discovered. Regulatory programs continue at applicableNPDES facilities and at nonpoint sources (mainly dairies, applicators, and i rrigated agriculture). In FY 89-90, about \$300,000 in contracts was used.

				ST	ATEWIDE W 1990 3 Effective	ATER QUA O3D List Date:	LITY AS Waters April,	SSESSMENT 5 1990	Report D	ate : 4/30/91					
	Rivers and Streams <u>Water Quality Condition</u> <u>Hydrologic Inter- Total Fact</u>														
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	Good	<u>Inter-</u> mediate	Impaired	Unknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 1 D M S L					
CARSON RIVER, E FK <u>Resource Value:</u>	632.00 3	° O	0	1	45	46	Yes	Objectives violated Recreational impacts	Non-Point	x x x . x					
Problem Descript separate Fact S exceeded EDL 85 Problem Source(s timber harvest, Current Actions Section 205(j) h	tion: Inclu Sheet). Sta 5 for chrom 3): Inactiv Local heavy 2 Masteload a	udes al te of N ium,zir ve mine recrea llocati	l surfac levada co nc,silver es,natura ntional u fon study	e and grownsiders r in SWRCB l high me se,reserve of Monite	und water: iver uses TSMP. Mon tals leve oir mgmnt or Creek;	s of the impaire nitor Cr ls in so practic ongoing	"Markl d downs eek exc ils,sep es (con regula	eeville HA (632.10)" except for the Bry stream of state line due to pH criteria eeds sulfate objective and shows signif otic systems,road/"urban" runoff,livesto ht) -tion and enforcement including Marklee	ant Creek watershed ( violations. Brown tr icantly reduced benth ck grazing ville PUD, Timber har	see out livers ic (cont) vest review.					
EAST WALKER RIVER <u>Resource Value:</u>	630.10 _3	1	0	1	11	13	Yes	Objectives violated Recreational impacts Sedimentation	Non-Point	x x x . x					
Problem Descript	ion:_Inclu	udes al	l surfac	e and grou	and waters	s tribut	ary to	East Walker River in CA, and tributary	water in the Sweet						

<u>Problem Description:</u> Includes all surface and ground waters tributary to East Walker River in CA, and tributary water in the Sweet water Mountains and Bodie Hills which cross the state line separately.Nevada considers river impaired at state line due to sediment, unionized ammonia, pH and phosphorus problems. Fish kills in river below Bridgeport Res. Metals levels in trout livers among highest reported in TSMP (cont.) <u>Problem Source(s):</u> NPS including res. mgmnt. and other hydrologic modification, high natural metals levels in part of watershed, past mining activity, septic systems, wetlands alteration, (cont.)

Current Actions: (0.2 PY per year for 12 years)

Regulation and enforcement activities in Bridgeport and Twin Lakes Areas. Coordination with other state and federal agency land management activities (e.g., Clark Canyon CRMP). Ongoing work with Walker R. Irrigation Dist. and with SWRCB Water Rights to resolve problems associated w/ Bridgeport Reservoir releases.

-				ST	ATEWIDE W	ATER QUA	LITY AS	SSESSMENT		
					Effective	Date:	April,	1990	Report Dat	te: 4/30/91
				Rivers a	and Stream	s				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
÷.		Vat	ter Qual	ity Condit	ion					1000011
	Hydrologic	<u></u>	Inter-	ity conditi		Total	Fact			1
Water Body Name	Unit No.	<u>Good</u>	mediate	Impaired	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	<u>1 d m s l</u>
LAGUNA DE SANTA ROSA	114.21	0	<b>0</b>	26	0	26	Yes	LOW DISSOLVED OXYGEN AND HIGH AMMONIA LEVEL DUE TO NPS DISCHARGES HAVE IMPAIRED FISH AND WILDLIFE HABITAT		. x x . x
Resource Value:	_3									
Problem Descrip Problem Source(s Current Actions	<u>;ion:</u> ;;							· · · ·		
MOJAVE RIVER Resource Value:	628.20 3	90	0	10	0	100	Yes	Recreational impacts Elevated fish tissue levels Sedimentation	Point & Non-Point	x x ½x _ x
Problem Descrip runoff). Unsew Problem Source( drinking water Current Actions on new septic s	tion: I ared areas s): NP ero res (Lake WDRs on systems in s	ncludes on sep sion fi Arrowho large specif	s waters tic syste rom ski a ead). Sep land devo ic areas	of the Up ems threat areas and otic tanks elopment p	oper Mojav cen SW and urban dev s. UGT fue projects.	e HU. NP GW qual elopment l leaks. Existing	S pollu ity. Co .Pestio Basin	ution from ski areas, recreational use a ontaminated GW from fuel tank leaks. side runoff from golf course and houses. Plan prohibition	ınd development (urban . Boat use on	
NAPA RIVER	206.50	0	15	40	0	55	Yes	Eutrophication Sedimentation	Non-Point	. x x . x
Resource Value:	_3					•		Degradation of fisheries habitat		,
Problem Descrip Problem Source( Current Actions	tion:_Impa s):Nonpo :*Point	ct of o int so source	developm urce pol e dry wea	ent and ag lution ather disc	gricultura charge pro	l activi hibition	ties or	n water quality		:

.

· •

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA D3D List Date:	LITY A Water April,	SSESSMENT S 1990	Report Da	te: .4/30/91
<u>Water Body Name</u> PETALUMA RIVER	<u>Hydrologic</u> Unit No. 206.30	<u>Wate</u> <u>I</u> <u>Good</u> <u>m</u> O	<u>er Quali</u> <u>nter-</u> nediate 5	Rivers a ty Condit Impaired 20	nd Streams <u>ion</u> <u>Unknown</u> 0	<u>Total</u> <u>Size</u> 25	<u>Fact</u> Sheet Yes	<u>Problem Description</u> Eutrophication Sedimentation	<u>Problem Source</u> Non-Point	Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 <u>1 D M S L</u> . X X . X
Resource Value: Problem Descrip Problem Source( Current Actions SALINAS RIVER	<u>.3</u> <u>stion:</u> Impac <u>s):</u> Nonpoir Point sou 309.10	ct of de nt sourc urce pro 120	evelopmen e pollu hibition 30	nt on wat tion n of discl 30	er quality harge duri O	/ dueto ing the 180	erosion dry wea Yes	Fisheries habitat degradation h/dairy waste ather period Potential Water Quality Limited Segment	Point & Non-Point	x x x . x . x
Resource Value: Problem Descrip herbicides asso runoff. Problem Source(	3 <u>tion:</u> Lower ciated with s): Agricul	50 mil drainag	es of Sa e waters d urban	alinas Va s contribu develop-r	lley usede uting to ખ ment	extensiv Nater qu	ely for alitydd	Ag return flows carrying toxic organics Elevated shellfish tissue levels Agricultural purposes. Fertlizers, pest gredation. High bacterial numbers may be	icides, and associated with non	-point source
<u>Current Actions</u> quality objecti	<u>:</u> Studies p ves, review 304.12	oroposed of curr	ent bene	20-92 incl efitial us 5	lude possi ses, and a 0	ble was salt s 25	te load tudy, a Yes	d allocation, water \ Allof which pertain to the Basin Plan BCD. Drinking water impairment	Non-Point	x x x . x
RIVER <u>Resource Value:</u> Problem Descrip	3							Fish population decline Sedimentation/Elevated bacteria levels		

٠

				ST	ATEWIDE WA 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT 5 1990 <sup>.</sup>	Report D	ate : 4/30/91
				Rivers a	nd Streams	5				Federal Lists
		,								3 3 3 3 3 3 3
										1000011
		Wa	ter Quali	ty Condit	ion					. 3 4 4 4 4 9
	<u>Hydrologic</u>		Inter-			<u>Total</u>	Fact			1
Water Body Name	Unit No.	<u>Good</u>	mediate	<u>Impaired</u>	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
SANTA ANA RIVER REACH 2	, 801.13	0	· 0	19	0	19	Yes	Threat of toxic bioassay results Recreational impacts Objectives violated due to Reach 4	Non-Point	x x <sup>*</sup> x . x

Resource Value: 3

<u>Problem Description:</u> Non-point source inputs from +400 dairies and three upstream secondary treated municipal wastewater (remaining POTWs have tertiary treatment) result in beneficial uses not being met (REC-1, WARM). Increasing wastewater flows also cause the objectives for nitrogen, BOD and COD to be violated. Because of possible toxicity due to metals, EPA has proposed that the river be placed on the 304 list.
<u>Problem Source(s):</u> Municipal wastewater treatment plant discharges; Wastewater and runoff from dairies.
<u>Current Actions:</u> Cease and desist orders have been issued to the municipal wastewater discharge requirements have been issued to al discharge to the River. Waste discharge requirements have been issued to al discharge to the River. Waste discharge requirements have been issued to al discharge requiring them to contain all wastewater on site. Wasteloadallocations for nitrogen are being developed for the River dischargers and p ermits will be updated to reflect the new allocations. Baseline monitoring.

SANTA ANA RIVER, 801.20	0	0	18	0	18	Yes	Threat of toxic bioassay results	Point & Non-Point	X X X . X
REACH 3							Recreational impacts		l.
						-	Objectives violated due to Reach 4		1
Resource Value: 3									

<u>Problem Description:</u> The River is not safe for water contact recreation because of three secondary treated municipal wastewater discharges a nd the limited dilution capability of the River. Increasing wastewater flows are contributing to violations of nitrogen objectives and threatening down stream drinking water supplies. In addition there are non-point source pollution problems from dairies.

<u>Problem Source(s):</u> Three secondary treated municipal wastewater discharges; dairies.

Current Actions: \_\_Cease and desist orders have been issued to the municipal wastewater dischar

gers requiring them to provide advanced wastewater treatment for any discharge to the River. A nitrogen study for the River is underway which will lead to new wasteload allocations for nitrogen for the River dischargers. Waste discharge requirements have been issued to all dairies requiring containmen t of all wastewater and contaminated runoff onsite.

		Report Da	te: 4/30/91							
				Rivers a	ind Streams	5				Federal Lists 33333333
										1000011
		Wa	ter Quali	ity Condit	ion					.344449
	<u>Hydrologic</u>		Inter-			<u>Total</u>	<u>Fact</u>			1
Water Body Name	<u>Unit No.</u>	Good	mediate	<u>Impaired</u>	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
SANTA ANA RIVER REACH 4	, 801.27	0	0	12	0	12	Yes	Objectives violated Threat of toxic bioassay results Recreational impacts	Point & Non-Point	x x x . x

Resource Value: 3

<u>Problem Description:</u> The River is not safe for water contact recreation due to three secondary treated municipal wastewater discharges and the limited dilution capability of the river. Increasing wastewater flowsaree contributing to violations of downstream nitrogen objectives and may be causing increases in nitrate levels in downstream groundwater basins. Unionized ammonia may be adversely affecting warmwater habitat beneficial uses. <u>Problem Source(s):</u> Three secondary treated municipal wastewater discharges.

Current Actions: \_\_Cease and desist orders have been issued to the municipal wastewater dischar

gers requiring them to provide advanced treatment for any discharge to the River. A nitrogen study for the River is currently underway which will result in new wasteload allocations for nitrogen for the River dischargers. Astudy is underway to determine the effect of unionized ammonia on aquatic li fe in the River.

SANTA YNEZ RIVER 31 Resource Value: 3	4.00	0	59	11	0	70	Yes	Excessive TDS/Conductivity Low flows have reduced fish survival Coliform levels may impair REC-1	Non-Point	. X X . X
Problem Description Problem Source(s): Current Actions:	<u></u> 									
STANISLAUS RIVER 53 (LOWER) <u>Resource Value: 3</u>	5.30	0	0	48	0	48	Yes	Elevated fish tissue levels Toxic bioassay results Threat of fish population decline	Non-Point	x x x . x

<u>Problem Description:</u> Fish in the lower Stanislaus River routinely exceed NAS guidelines for toxaphene and Group A pesticides and occasionally exceed NAS guidelines for DDT and Chlordane. In bioassay tests, the river occasionally tests toxic to the fish and invertebrate species. <u>Problem Source(s):</u> Present and past agricultural practices probably account for the pesticides in fish. The cause of toxicity is unknown.

Current Actions: Toxicity testing continues in the San Joaquin River and major tributaries.

			STATI	EWIDE WA	TER QUA	LITY AS	SESSMENT			
			Ef	fective	Date:	April.	1990	Report D	ate :	4/30/91
			Rivers and	Streams	;				Fede	eral Lists
<u>Water Body Name</u> Routine regulate	<u>Hydrologic</u> <u>Unit No.</u> <u>Go</u> o ory work contin	<u>Water Qual</u> <u>Inter-</u> od <u>mediate</u> nues on NPD	<u>ity Condition</u> <u>Impaired</u> <u>U</u> ES facilities	<u>nknown</u> s and or	<u>Total</u> <u>Size</u> nonpoi	<u>Fact</u> <u>Sheet</u> nt sour	<u>Problem Description</u> ces (mainly dairies, pesticide applica	<u>Problem Source</u> ators, irrigated agricu	33 10 3 1 <u>1D</u>	33333 00011 44449 <u>MSL</u>
WEST WALKER RIVER <u>Resource Value:</u>	631.00 3	0 0	1	<b>0</b>	47	Yes	Sedimentation Agricultural drainage	Non-Point	<b>X X</b>	X . X
river and Topa: GW high in nite Problem Source( to grazing,timb <u>Current Actions</u> Training Cntr nutrient objec	z Lk not suppor rate,w/locally <u>s): High natur</u> er harvest,min : Ongoing regr activity,develo tives planned	rting benef high conce ral levels ing,highway ulation and opment on s for spring	icial uses a ntrations of of trace ele and "urban" enforcement eptic system of 1990, haz	t statel arsenic ments, a runoff, activit s in Wal ardous w	ine due fluori gricult heavy ies, in ker-Col aste cl	e to pH de,borc cural dr rec. us ncluding eville, eanup a	& unionized ammonia criteria violation n and sodium. Reported CA problems inc ainage, septic systems, watershed dist e USMC Mnt. Warfare proposed hydro. development and tim t USMC training cntr.,underground tank	ns. Nevada also reports clude sedimentation and turbance due	Antelo sedime . Updat	ipe Valley int- (cont) te of SW
ALAMEDA CREEK	204.30	0 0	27	0.	27	Yes	Threat of recreational impacts Fisheries habitat degradation	Non-Point	хх	. × . ×
<u>Problem Descrip</u> mouth bass tiss <u>Problem Source(</u> <u>Current Actions</u> * Wastewater ma concern to b	 <u>tion:</u> Potentia ue sample for r <u>s):</u> Nonpoint <u>s):</u> Nonpoint <u>s):</u> * Wastewate nagement plan eneficial uses	al violatio mercury (6/ source urb r exported adopted by when no na	n of surface 11/85) was d an runoff to San Franc Alameda Co. tural flow o	water c etermine isco Bay Flood Ct ccurs.	objectiv ed to be / :l Dist(	res for : 0.52 p Zone 7	total dissolved solids(500 ppm) and ch pm(SWRCB Toxic Monitoring Program) * Prohibition of Wastewater discharg	ntorides(250 ppm). One ge which has particular	large charac	stistics of

•

.

.

-

.

•

				รา	ATEWIDE W	ATER QUA 03D List	LITY AS Waters	SSESSMENT		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
		Wa	ter Qual	Rivers a	and Streams	S		۵		Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 3 4 4 4 4 9
	<u>Hydrologic</u>		<u>Inter-</u>			<u>Total</u>	Fact			1
<u>Water Body Name</u>	<u>Unit No.</u>	Good	<u>mediate</u>	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
ALAMITOS CREEK	205.40	0	0	14	7	21	Yes	Recreational impacts High concentrations of mercury in fish	Non-Point	<b>X X X _ X</b>
Resource Value:	_4									
Problem Descript e in excess of F Problem Source(s Current Actions: Abandoned mine i beneficial use	tion:High DA action ():Abandon ():Alamitos	level levels ned mi Creek super dal wa	s of mero (21 fish ne waste has beer fund list ters	cury in fi i). Mercu n posted w : (no acti	sh tissue mry levels marning of on to date	as reve ranged consump e)	aled ir from 1. tion of	a the Toxic Substance Monitoring Program. 3- 2.8 ppm with a mean of 1.9 ppm. fish flesh Prohibition of wastewater discharge with	Elevated Hg in fis h characteristics o	h tissu f concern to
ALAMORIVER	723.10	0	0	52 ″	0	52	Yes	Elevated fish tissue levels Recreational impacts	Non-Point	x x x . x
Resource Value:	_4							Threat of toxic bioassay results		
Problem Descript Problem Source(s Current Actions: ment on agricult g and TSMP monit	<u>ion:</u> High ): Agricu Research ural draina coring. Cont	level: ltural ing the age wa trollin	s of bact (non-poi e feasibi ters ente ng point	eria, sus nt source lity of u ring Alam source di	pended sol ) discharg sing desil o River. R scharges b	ids, pe jes from tation Recommen by NPDES	sticide Imperi basins ding th Permit	s, and fertilizers. al Valley. and biological treat e use of Best Management Practices. Conduc s. Monitoring cost estimates included unde	cting regular water er New River.	quality monitorin
AMERICANO CREEK Resource Value:	115.30 _4	0	0	7	0	7	Yes	SEDIMENTATION, LOW DISSOLVED OXYGEN AND HIGH AMMONIA LEVELS FROM NPS DISCHARGES HAVE IMPAIRED FISH AND WILDLIFE HABITAT		. x x . x
Problem Descript Problem Source(s Current Actions:	ion:									

-

					1990 30	D3D List	Waters	SESSMENT		
					Effective	Date:	April,	1990	· Report Da	ate: 4/30/91
		۵.		Rivers a	and Stream	S				Federal Lists 333333333 1000011
		Wat	er Qual	ity Condit	ion					. 3 4 4 4 4 9
	Hydrologic		Inter-	•		<u>Total</u>	<u>Fact</u>			1
ater Body Name	<u>Unit No.</u>	Good	mediate	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
ALLEGUAS CREEK	403.11	0	0	. 22	0	22	Yes	Elevated fish tissue levels Elevated shellfish tissue levels	Non-Point	x x x . x
esource Value:	4					· •		Threat of drinking water impairment		
Yroblem Source(s Surrent Actions) Monitoring ar	S): NONPOI 1. New s nd Assessme	NT: His tudy ar	toric a ea for	nd recent	pesticide	residue 2. Anr	s from Mual TSM	agricultural runoff I sampling since 198		
:ARSON RIVER, W <sup>-</sup> K	633.00	0	0	1	27 .	28	Yes	Objectives violated Recreational impacts Grazing impacts	Non-Point	x x <sub>x</sub> . x
Problem Descript total phosphoru uses in upper u Problem Source(; fires,livestock Current Actions irrigating with	tion: Incl us and feca watershed a s): Animal grazing,ti : Regulati n advanced	udes al I colif Iffected Waste Imber ha on and seconda	<pre>l surfa orm bac by imp mgmnt., rvest,g enforce ary effl</pre>	ce and gro teria in ( acts of l agricultu ravel quan ment, inc uent. Timb	ound water iver at s ivestock g ural drain rry;past m luding rec per harves	s of the tate lir razing a age,hydr injng ir lamatior t review	e W.Fk.( ne. Neva nod wate rologica n (cont. n requir a, septi	Carson R. HU in CA. Nevada identifies ada STORET data show mercury levels ak er diversions for irrigation and flush al modification,watershed disturbance .) rements on ranchers ic tank discharge regulation.	excessive concentration ove EPA chronic criteri ing of Indian Ck.Res, e due to forest	s of a. Recreational specially (cont.)
	) 526.40	0	•		0	25	•	Fisheries babitat degradation		
ALL RIVER (PIT		U	24	1	U	20		Inadequate flows	Non-Point	. x x . x
ALL RIVER (PIT	_4	U	24	1	0	25		Inadequate flows Over grazing	Non-Point	. x x . x
ALL RIVER (PI1 Resource Value: Problem Descrip	_4 tion:	U	24	1	Ū	22		Inadequate flows Over grazing	Non-Point	. <b>x</b> <sup>1</sup> <b>x</b> . <b>x</b>
ALL RIVER (PI1 esource Value: roblem Descrip roblem Source(: urrent Actions	_4 tion: s): :		24	1	U	23		Inadequate flows Over grazing	Non-Point	. x x . x
ALL RIVER (P11 esource Value: roblem Descrip roblem Source(: urrent Actions	_4 tion: s):		24	1	0	25	·	Inadequate flows Over grazing	Non-Point	. x x . x
ALL RIVER (PI1 tesource Value: <u>Problem Descrip</u> Problem Source(: Current Actions	_4 tion: s): :		24	1	U	23		Inadequate flows Over grazing	Non-Point	<b>x . . x . x</b>

. .

,

				ST	ATEWIDE W	IATER QUA	LITY AS	SESSMENT		
					1990 3	603D List	Waters	5		
					Effective	e Date:	April,	1990	Report D	ate : 4/30/91
		Wat	er_Qual	Rivers a	and Stream	is				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9
11 4 - 5 1 - 14	<u>Hydrologic</u>	_	Inter-			<u>Total</u>	<u>Fact</u>			1
water Body Name	Unit No.	Good	mediate	Impaired	Unknown	Size	Sheet	Problem Description	Problem Source	<u>IDMSL</u>
GUADALUPE RIVER	205.40	0	0	12	0	12	Yes	Elevated fish tissue levels Fish population decline	Non-Point	x x x . x
Resource Value:	4									
les equaled or e <u>Problem Source(:</u> <u>Current Actions</u> y in fish	exceeded the <u>s):</u> Guadalupe	e FDA a e river	nction le has bee	evel (1.0	ppm) whil warning o	e the re f public	maining health	exceeded the DHS advisory level (0.	.5 ppm).	· ·
HOT CREEK (1)	630.40	0	0	1	0	1	Yes	Possible metals problems	Non-Point	x x x . x
Resource Value:	_4							(see west watker kiver)		
Problem Descrip Problem Source( Current Actions	tion:possi s): :	ible me	tals pro	blems						
KINGS RIVER (LOWER)	551.90	65	0	30	<u>0</u>	95	Yes	Elevated fish tissue levels Objectives violated TDS	Non-Point	x x x . x
Resource Value:	4									

•

<u>Problem Description:</u> 30 miles of this stream contain EC levels and TDS levels higher than basin plan objectives. Fish contain elevated levels of copper, arsenic, toxaphene, and group A pesticides.

`

۵

Problem Source(s): Subsurface agricultural drainage discharges.

Current Actions: Regional Board is conducting a study to assess the extent of the problem.

				ST	ATEWIDE W. 1990 3	ATER QUA 03D List	LITY AS Waters	SSESSMENT		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
				Rivers a	nd Stream	s				Federal Lists 33333333 1000011
		Wat	ter Qual	ity Condit	ion '					.344449
•	Hydrologic		Inter-			Total	Fact			1
Water Body Name	Unit No.	Good	mediate	Impaired	<u>Unknown</u>	Size	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
LAGUNITAS CREEK Resource Value:	201.13 _4	0	. <mark>0</mark>	22	0	22	Yes	Sedimentation	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions: CEQA evaluation	tion:Impad <u>;):</u> Nonpoir  of erosion	cts of nt poll	developa lution ol and se	nent on wa eptic syst	ter quali ems on wa	ty ter qual	ity			
MERCED RIVER, LOWER	535.00	30	0	60	0	90	Ýes	Elevated fish tissue levels Toxic bioassay results Fish habitat imoairments	Non-Point	x x x . x
<u>Resource Value:</u>	_4									
Problem Descript exceed NAS guide Problem Source(s cause of the to) Current Actions Routine regulate	tion:Fish elines for f s):Dischan kicity is ur :Toxicity pry activit	in the Endosul rges fi nknown testii ies com	e lower H lfan and rom prese ng contin ntinue a	Merced Riv DDT. In ent and pa nues in th t applicab	er routin bioassay st agricu e San Joa le NPDES	ely exce tests, t ltural p - quin Riv faciliti	ed NAS he rive practice ver and es and	guidelines for toxaphene and Group A p eroccasionally tests toxic to the fish as probably account for the pesticides major tributaries. at nonpoint sources.	esticides and occasior and invertebrate speci in fish. The	ally es.
MOKELUMNE RIVER, LOWER	, 531.20	0	0	20	0	20	Yes	Threat of fish population decline Mine drainage, low flows Fish kills and habitat degradation	Non-Point	X X <u>X</u> . X
Resource Value:	_4							-		
Problem Descript releases from Pe uncontrolled re <u>Problem Source(s</u> <u>Current Actions</u> see Camanche Res	tion: _In th enn Mine. / eleases (190 s): _Penn M :The effec servoir fact	he past Abatem B3 and ine_and ctiven t sheet	t, major ent faci 1986) p d other ess of e t). Rou	fish kill lities con robably st upstream s xisting ab tine regul	s occurre structed ill resul ources. atement f atory act	d in the at the m t in dow acilities ivities	e lower hine in unstream es is un continu	river (Camanche Reservoir and downstre 1977 have improved the situation. How nimpacts. nder investigation ( ue at applicable NPDES facilities and n	am) because of uncontr ever, controlled relea onpoint discharges.	rolled ises and occasiona

-

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT S 1990	Report [	)ate :	4/30/91
				Rivers a	and Streams	S				Fede	ral Lists
										33 10	33333
		Wat	er Quali	ity_Condit	ion					. 3	44449
	Hydrologic		<u>Inter-</u>			<u>Total</u>	<u>Fact</u>			1	
Water Body Name	<u>Unit No.</u>	Good	mediate	<u>Impaired</u>	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D</u>	MSL
REVOLON SLOUGH	402.10 4	0	0	9	0	9	Yes	Elevated fish tissue levels Elevated shellfish tissue levels Threat of drinking water impairment	Non-Point	ХХ	x . x
Problem Descript Problem Source(s Current Actions: SAN JUAN CREEK Resource Value:	tion: Pest ): NONPOI Sampling 901.20 _4	icides NT: Agr Q	> NAS, E iculture 8	Bacteria > Prunoff	Objective	es, PCB' . 9	s > FDA Yes	, Chlordane Recreational impacts Objectives violated periodic beach closures	Unknown	. X	x . x
Problem Descript HE PACIFIC OCEAN Problem Source(s Current Actions: staff currently	tion: FECA I. THE LEV S): nonpoin This wate monitors	L COLIF ELS HAV nt sour erbody known p	ORM LEVE E CAUSED ces susp was not was not oint sou	ELS PERIOD THE STAT pected. ur previousl prce disch	ICALLY EXC E HEALTH D ban runoff y identifi argers.	CEED THE DEPT. TO f with c ied to b	REC-1 PERIOD ontribu e impai	STANDARD FROM AT LEAST 1 MILE INLAND TO ICALLY CLOSE OFF THE MOUTH OF THE RIVER, Itions of agricultural runoff. red. Regional Board	THE MOUTH OF THE RIV LOCATED IN A STATE	ER AT T BEACH.	
SAN LUIS OBISPO CREEK Resource Value:	310.24 4	5	0	10	0	15	Yes	Threat of drinking water impairment Fish pop. decline/spawning impairment Sedimentation	Point & Non-Point	хх	X . X
Problem Descript Problem Source(s Current Actions:	<u>:ion:</u>										

۵

				ST	ATEWIDE W 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT 5 1990 _	Report Da	te: -4/30/91
				Rivers a	and Stream	S				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wa	ter Qual	ity Condit	ion					.344,449
	<u>Hydrologic</u>		Inter-			<u>Total</u>	<u>Fact</u>			1
Water Body Name	<u>Unit No.</u>	Good	mediate	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	1 D M S L
SONOMA CREEK	206.40	0	9	14	0	23	Yes	Eutrophication Exceedance of coliform standard	Non-Point	. x x . x
Resource Value:	_4									
Problem Descrip Problem Source(s Current Actions * Increased tre	<u>tion:</u> Impad <u>s):</u> Nonpoin :* Point eatment bein	ct of a nt sour source ng imp	developm rce pollo e discha lemented	ent on wat ution - da rge during	er quality airies the dry p	y weather	period	may be required		
STEMPLE CREEK Resource Value:	115.40 4	0	0	17	0	17	Yes	SEDIMENTATION, LOW DISSOLVED OXYGEN AND HIGH AMMONIA LEVELS FROM NPS DISCHARGES HAVE IMPAIRED FISH AND WILDLIFE HABITAT		. <b>x x</b> . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s):									
SUSAN RIVER	637.20	0	45	14	0	59	Yes	Objectives violated Water diversions	Point & Non-Point	x x x . x
<u>kesource vatue:</u>	4							(see Honey Lake)		, 1
Problem Descrip Problem Source(	<u>tion:</u> obje <u>s):</u>	ctives	violate	d, water d	liversions					1
Current Actions	<u>:</u>							-		
										1
								<i>.</i>		1
										1
					:					

					Effective	Datas	Annil	1000	Bosset		1. 170 /01
					Effective	Date:	April,	1990	керогт	Date:	4/30/91
				Rivers a	and Stream	s				Fede	ral List
										33	3333
										10	0001
		Wat	er Quali	ty Condit	ion					. 3	4444
	Hydrologic		Inter-			<u>Total</u>	Fact			1	
later Body Name	<u>Unit No.</u>	Good	nediate	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1</u> D	MSL
UOLUMNE RIVER	535.50	0	0	50	0	50	Yes	Elevated fish tissue levels	Non-Point	хх	x .
LOWER)								Toxic bioassay results			
								Fish habitat degradation, low flows			
esource Value:	4										
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulate	tion:Fish DDT, and C <u>S):</u> Presen :Toxicity pry work co	in the hlordand t and pa testing ntinues	lower Tu e. In b <sup>a</sup> ast agrid g continu at appl	uolumne R ioassay t cultural ues in th icable NP	iver rout ests, the practices e San Joa DES facil	inelyexc River c probabl quin Riv ities ar	ceed NA boccasion y accon yer and nd at no	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. unt for the pesticides in fish. The cau major tributaries. onpoint sources (mainly dairies, applica	besticides and occasions of toxicity and irrigated a	onally agriculto	ure).
Problem Descrip for Endosulfan, Problem Source(; is unknown. Current Actions: Routine regulato	tion:Fish DDT, and C <u>s):</u> Presen :Toxicity Dry Work co 601.00	in the hlordand t and pa testing ntinues 0	lower Tu e. In b <sup>:</sup> ast agrid g continu at appl <sup>:</sup> O	uolumne R ioassay t cultural ues in th icable NP 1	iver rout ests, the practices e San Joa DES facil 0	inelyexc River c probabl quin Riv ities ar 1	ceed NA: occasion y accon yer and nd at no Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Ount for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions	besticides and occasion use of toxicity ators, and irrigated a Non-Point	onally agriculto	ure). X .
Problem Descrip or Endosulfan, Problem Source(s s unknown. Current Actions: Coutine regulate	tion: Fish DDT, and C s): Presen Toxicity Dry Work co 601.00	in the hiordand t and pa testing ntinues 0	lower Tu e. In b ast agrid g continu at appl 0	uolumne R ioassay t cultural ues in th icable NP 1	iver rout tests, the practices e San Joan DES facil O	inelyexo River o probabl quin Riv ities ar 1	ceed NAS occasion y accor ver and ad at no Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Ount for the pesticides in fish. The cau major tributaries. Oppoint sources (mainly dairies, applica Water Diversions (see Mono Lake)	besticides and occasion use of toxicity ators, and irrigated a Non-Point	onally agriculto . X	ure). X .
Problem Descript for Endosulfan, Problem Source(s s unknown. Current Actions Coutine regulate ALKER CREEK esource Value:	tion: Fish DDT, and C ): Presen Toxicity pry work co 601.00 _4	in the hlordand t and pa testing ntinues 0	lower Tu e. In b ast agrid g continu at appl 0	uolumne R ioassay t cultural ues in th icable NP 1	iver rout ests, the practices e San Joa DES facil O	inelyexo River o probabl quin Riv ities ar 1	ceed NA: occasion y accon ver and nd at no Yes	S guidelines for Toxaphene and Group A p mally tests toxic to the fish species. Out for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake)	besticides and occasion use of toxicity ators, and irrigated a Non-Point	onally agriculto . X .	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato WALKER CREEK Resource Value: Problem Descript	tion:Fish DDT, and C S):Presen :Toxicity Dry work co 601.00 4	in the hlordand t and pa testing ntinues 0	lower Tu e. In b ast agrid g continu at appl 0	uolumne R ioassay t cultural ues in th icable NP 1	ver rout ests, the practices e San Joa DES facil 0	inelyexc River c probabl quin Riv ities ar 1	ceed NA: poccasion y accor ver and nd at no Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Ount for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake)	besticides and occasion use of toxicity ators, and irrigated a Non-Point	onally agriculto . X .	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato WALKER CREEK Resource Value: Problem Descript	tion: Fish DDT, and C ): Presen Toxicity pry work co 601.00 4 tion: wate	in the hlordane t and pa testing ntinues 0 r divers	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono	liver rout lests, the practices e San Joan DES facil O HU)	inelyexc River c probabl quin Riv ities ar 1	eed NA occasion y accon yer and nd at no Yes	S guidelines for Toxaphene and Group A p mally tests toxic to the fish species. Unt for the pesticides in fish. The cau major tributaries. onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake)	besticides and occasion use of toxicity ators, and irrigated a Non-Point	agriculto	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions Routine regulato VALKER CREEK Resource Value: Problem Descript Problem Source(s Current Actions	tion: Fish DDT, and C ): Presen Toxicity ory work co 601.00 4 tion: wate	in the hlordand t and pa testing ntinues 0 r divers	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono	liver rout ests, the practices e San Joa DES facil O	inelyexc River c probabl quin Riv ities ar 1	eed NA: boccasion y accon yer and ad at nu Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Ount for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake)	besticides and occasion use of toxicity ators, and irrigated a Non-Point	onally agriculto	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato ALKER CREEK Problem Descript Problem Source(s Current Actions: MALKER CREEK	tion: Fish DDT, and C ): Presen Toxicity ory work co 601.00 _4 tion: wate 201.12	in the hlordand t and pa testing ntinues 0 r divers	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono 25	iver rout ests, the practices e San Joa DES facil O HUJ)	inelyexo River o probabl quin Riv ities ar 1	eed NA: poccasion y accon ver and ad at no Yes Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Unt for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake) Nonpoint source pollution - dairies	besticides and occasion use of toxicity ators, and irrigated a Non-Point Non-Point	onally agriculto . X	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato VALKER CREEK Problem Descript Problem Source(s Current Actions: VALKER CREEK REG 2)	tion: Fish DDT, and C ): Presen . Toxicity ory work co 601.00 _4 tion: wate }: 201.12	in the hiordand t and pa testing ntinues 0 r divers	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono 25	liver rout ests, the practices e San Joa DES facil O HUU)	inelyexc River c probabl quin Riv ities ar 1	eed NA: poccasion y accon ver and ad at no Yes Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Unt for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake) Nonpoint source pollution - dairies	besticides and occasion use of toxicity ators, and irrigated a Non-Point Non-Point	onally agriculte . X	ure). X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato MALKER CREEK Problem Descript Problem Source(s Current Actions: MALKER CREEK REG 2) esource Value:	tion: Fish DDT, and C S): Presen Toxicity ory work co 601.00 4 tion: wate S): 201.12	in the hiordand t and pa testing ntinues 0 r divers	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono 25	ver rout ests, the practices e San Joa DES facil 0 HUU)	inelyexc River c probabl quin Riv ities ar 1	eed NA: poccasion y accon y ac	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Unt for the pesticides in fish. The cau major tributaries. Onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake) Nonpoint source pollution - dairies	besticides and occasion use of toxicity ators, and irrigated a Non-Point Non-Point	agriculto . X .	ure). X . X .
Problem Descrip for Endosulfan, Problem Source(s is unknown. Current Actions: Routine regulato ALKER CREEK Resource Value: Problem Descript Problem Source(s Current Actions: ALKER CREEK REG 2) Resource Value:	tion: Fish DDT, and C ): Presen Toxicity pry work co 601.00 4 tion: wate 201.12 4	in the hiordane t and pa testing ntinues 0 r divers 0	lower Tu e. In b ast agrid g continu at appl 0 sions, (s	uolumne R ioassay t cultural ues in th icable NP 1 see Mono 25	liver rout lests, the practices e San Joan DES facil O HUU)	inelyexa River a probabl quin Riv ities ar 1 25	eed NAS occasion y accor ver and ad at no Yes Yes	S guidelines for Toxaphene and Group A p nally tests toxic to the fish species. Unt for the pesticides in fish. The cau major tributaries. onpoint sources (mainly dairies, applica Water Diversions (see Mono Lake) Nonpoint source pollution - dairies	besticides and occasion use of toxicity ators, and irrigated a Non-Point Non-Point	agriculto . X .	ure). X . X .

,

				ST	ATEWIDE W/ 1990 30	ATER QUẠ D3D List	LITY AS Waters	SESSMENT			I
					Effective	Date:	April,	1990		Report Da	te: 4/30/91
				Rivers a	nd Stream						Federal <sub>:</sub> Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wa	ter Qual	ity Condit	ion						. 3 4 4 4 4 9
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Good</u>	<u>Inter-</u> mediate	Impaired	<u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description		Problem Source	1 <u>1 D M S L</u>
ALISO CREEK Resource Value:	901.10 _5	0	0	1	19	20	Yes	Bacterial contaminatio	n		. x x . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s): :										
ÀRROYO DE LA LAGUNA <u>Resource Value:</u>	204 <b>.</b> 30	0	0	5	0	5	Yes	Total Dissolved Solid, objectives	Chlorides violate	Non-Point	. X X . X
Problem Descrip Problem Source( Current Actions Wastewater man Prohibition of M	tion:Tota <u>s):</u> non-po :Wastewat agement pla Wastewater o	l diss int so er exp n adop discha	olved so urce run orted to ted by A rge whic	lids, chlo off San Franc lameda Cou h has part	ride Sisco Bay Inty Flood Sicular co	Control	Dis- benefi	trict (Zone 7). cial uses when no natur	al flows occur		.~
ARROYO TRABUCO <u>Resource Value:</u>	901.20 5	<sup>-</sup> 0	0	1	0	1	Yes	Heavy metals			. x x . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> <u>s):</u>										1
							,		. · ·		
											·

۵

				st	ATEWIDE W	ATER QUA 03D List	LITY A	SSESSMENT S		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wat</u> <u>Good</u>	<u>er Quali Inter-</u> mediate	Rivers a ity Condit Impaired	nd Stream <u>ion</u> <u>Unknown</u>	s <u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	<u>Problem Source</u>	Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 1 D M S L
BRYANT CREEK <u>Resource Value:</u>	632.10 5	0	0	4	0	4	Yes	Objectives violated Fish kills Sedimentation	Non-Point	x x x . x
Problem Descript Nevada. Bryant unrelated large Problem Source(s close to Bryant Current Actions: for concrete re management and	tion:Inclu , Aspen and e landslide. s):Leviath t Creek and c0.5 PY an epairsSt monitoring	des Br Leviat Almos an Min the la d \$65, ate has of sit	yant Cre han Cks. t no aqu e is cor ndslide 000 are s acquir e.	ek and al are affe natic life nsided a N noted abo expended red mine s	l tributa acted by a exists in PS because we. as a year ite and m	ry surfa cid drai n Bryant e it is ly basel ineral r	ce and nage f Creek inacti ine am ights a	d ground waters in CA. Bryant Creek joins rom the inactive Leviathan Mine and by se downstream of the mine. Watershed also a ve. Other NPS include livestock grazing, ount. \$400,000 needed an implemented remedial project. Regiona	s the E.Fk. Carson R. ediment from the mine affected by livestock unpaved road al Board staff respon	in site and an and other NPS. sible for ongoing
COACHELLA VALLEY STORM CHANNEL Resource Value:	719.47 5	0	0	20	0	20	Yes	Bacteria objective violated Threat of toxic bioassay results	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> Eleva <u> ):</u> Unknown None	ted le •	vels of	fecal col	iform ofte	en excee	d REC (	1 objective.		
LITTLE BACKBONE CREEK <u>Resource Value:</u>	506.20 _5	2	Û	1	0	3	Yes	Fish kills Fish population decline Objectives violated	Non-Point	x x . x x . x
Problem Descript Shasta. Signif Problem Source(s Current Actions:	ion:Metal icance of t ):Mammoth Seven of	s and he disc and Go eight a	low pH r charge b olinski adit ent	esult in elow Shas Mines rances we	near steri ta Dam and re cleaned	ile cond 1 in the 1 in pre	itions Delta paratio	in creek and cause fish kills where the is unknown. on for plugging (\$400	creek empties into L	ake

,000).

•

				STA	TEWIDE WA 1990 30	TER QUA	LITY AS Waters	SSESSMENT		
:				E	ffective	Date:	April,	1990	Report D	ate: 4/30/91
-		<u>Wate</u>	f er Quality	tivers an <u>Conditi</u>	nd Streams					Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Good</u> n	<u>ncer-</u> mediate In	npaired	Unknown	<u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 <u> 1  D  M  S  L</u>
LITTLE GRIZZLY CREEK <u>Resource Value:</u>	518.54 5	0	0	10	0	10	Yes	Fish population decline Mine drainage	Non-Point	x x . x x . x
Problem Descrip the Feather Rip Problem Source(s Current Actions lings piles. All s being done to	tion: Metal ver and the s): Walker The mine patement fac assess the	s level Delta a Mine portal ilities effecti	ls result are unknow has been s are expe iveness or	in near n. sealed. acted to f abateme	sterile c Another reduce an ent measur	project nual co es. Co	ns in 1 is und pper ntract	10 miles of the creek. Impacts to downs derway to address tai loads to the Feather River (and Delta costs in FY 89-90 were about \$100,000.	tream water bodies ir ) by 200,000 lbs. Li	ncluding mited monitoring i
NEW RIVER	723.10 5	0	0	60	0	60	Yes	Public health hazard Objectives violated Fish kills •	Point & Non-Point	x x <sup>1</sup> x . x
Problem Descrip toxicity to aqu Problem Source( Current Actions problem in Mex RWQCB-7 conduc ed agencies in to New River.On	tion: Sever atic life; r s): Point a : Concerted ico ts trend mor investigatir ly the cost	re publi negative and non- d effort nitoring ng the u of regu	ic health e aesthet -point sou t between g and par use of de ular moni	hazard f ic values urces fro IBWC, Sk ticipates siltatior toring by	from bacte s from foa om Mexico; VRCB, and s in n basins a y Region-7	rial co am, debr non-po RWQCB-7 and biol ' is lis	ntamina is,'oil int sou to add ogical ted bel	ation, most acute near international bou , grease, dead animals, foul odors, etc urces (agriculture) from Imperial Valley dress point source the TSM Program. Region-7 is taking treatment of agricultural drainageways .ow	ndary; acute and chro . High turbidity. 7, California. the lead in working w in Imperial Valley wh	nic '
SAN LORENZO CREEK <u>Resource Value:</u>	309.70 _5	0	0	39	0	39	Yes	Info Available from Mont. Co. Flood Co	nt	- x  x - x
Problem Descrip Problem Source( Current Actions	tion: s): :									

				ST	ATEWIDE W 1990 3 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT 3 1990	Report Da	te: 4/30/91
			Federal Lists 3 3 3 3 3 3 3 3							
<u>Water Body Name</u>	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wate</u> <u>1</u> Good n	er Quali nter- mediate	ty Condit Impaired	<u>ion</u> <u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1000011 .344449 1 1DMSL
SPRING CREEK <u>Resource Value:</u>	524.40 _5	3	0	5	0	8	Yes	Fish kills Fish population decline Toxic bioassay results	Non-Point	x x . x x . x
tions and bentho mium, to the Sac <u>Problem Source(s</u> <u>Current Actions</u> : batement project ng is done to ev TIJUANA RIVER	s in Keswic ramento Riv <u>):</u> Iron Mo A Superfu is expecte aluate the 911.11	k Reser er Basi untain nd proj d to re effecti 0	voir and n, accol Mine. ect is u duce and veness o	d possibl unting fo underway nual copp of contro 7	y downstro r more tha and schedu er, zinc, l measures 0	an the c uled for and cad 3.	e Sprin ombined comple mium Yes	untreated domestic and industrial wastew	<pre>https://www.second.com/ h</pre>	zinc, and cad- rmits. tively. Monitori X X X . X
Resource Value:	_5							ater from city of Tijuana. Severe health problem exists. extensive rec impacts.	,	
Problem Descript Problem Source(s Current Actions: AGENCIES ARE IN IONAL BOARD STAF	ion: WATER ): INTERNA REGIONAL VOLVED IN D F REGULARLY	SHED HA TIONAL BOARD, ETERMIN SAMPLE	S BEEN H SOURCE. STATE BO ING THE S FOR AN	POLLUTED RAW SEW DARD, AND LEVELS A MBIENT LE	WITH RAW S AGE FLOWS EPA STAFF ND COST OF VELS OF TH	SEWAGE F ORIGINA , ALONG CLEAN-I IE POLLU	LOWS FR TING FR WITH S UP. A TANTS O	ON MEXICO. SEDIMENTATION DUE TO INCREASED OM TIJUANA. EVERAL INTERNATIONAL DUAL BORDER SEWAGE INTERCEPTOR SYSTEM HAS FCONCERN.	WATER FLOWS. BEEN PROPOSED FOR CO	DNSTRUCTION. REG
ALBA CREEK	304.13 _N/A	0	0	1	0	1	Yes	Sedimentation Low flows	Non-Point	
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> ):									

•

					Effective	e Date:	April,	1990	Report Date : 4/30/91		
			Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1								
<u>Water Body Nam</u>	<u>Hydrologia</u> <u>Unit No.</u>	<u>Wa</u> <u>Good</u>	<u>ter Qual'</u> <u>Inter-</u> mediate	ity Condit Impaired	<u>unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	.344449 1 <u>1 D M S L</u>	
AMARGOSA RIVER	609.00	0	140	58	0	<b>198</b>	Yes	Sedimentation Natural high salinity	Non-Point	x x x . x	
<u>Resource Value</u>	<u>: </u> N/A			•		-,					
Problem Descri Problem Source Current Action	<u>ption:</u> natu (s): s:	ural hi	gh salin	ity, sedin	nentation						
APTOS CREEK	304.13	0	7	1	0	8	Yes	Fish population decline Sedimentation	Non-Point	. X X . X	
<u>Resource Value</u>	:N/A							Elevated bacteria levels			
Problem Descri Problem Source Current Action	<u>ption:</u> (s): s:										
ARROYO BURRO CREEK	315.32	0	0	5	0	5	No	Threat of recreational impacts Bacteria in creek water may affect bacti levels of shellfish in SB channel	Non-Point	. x <sub>,</sub> x . x	
<u>Resource Value</u>	:N/A										
Problem Descri contact and/or Problem Source Current Action	ption:Sto through co ( <u>s):_</u> Non-po <u>s:_</u> NPS stua	rm runo nsumpti oint so dy set	ff into a on of col urce fro to run fi	creek affe ntaminated n humans a rom 11/89	ects the H d drinking anddomest to 01/92	bacteriol g water d icated ar	logical orshelli nimals.	quality. Bacteria may affect human health fish ingestion.	n through recreatio	nal	
ASPEN CREEK	632.10	0	0	4	0	4	Yes	Objectives violated Fish kills	Non-Point	x x x . x	
<u>Resource Value</u>	<u>:_</u> N/A					•		(see Bryant Creek)			
<u>Problem Descri</u> Problem Source	ption:_Obj (s):_	ectives	violate	d; Fish ki	ills.					ţ	
						Page 2	27				

				ST	ATEWIDE WA	TER QUA	LITY AS	SSESSMENT		
	Depent De	to a / /30/01								
					Effective	Date:	April,	1990	керог ра	ite: 4/30/91
		Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1								
		Wa	ter Qual	itv Condit	ion					. 3 4 4 4 4 9
	Hvdrologic		Inter-	ity donard	1011	Total	Fact			1
Water Body Name Current Actions:	Unit No.	<u>Good</u>	mediate	<u>Impaired</u>	<u>Unknown</u>	Size	Sheet	Problem_Description	<u>Problem Source</u>	<u>1 D M S L</u>
BARLOW CREEK	114.11	0	0	1	0	1	Yes	FISH AND WILDLIFE HABITAT HAS BEEN IMPAIRED DUE TO INDUSTRIAL WASTE		. x x . x
Resource Value:	_N/A							DISCHARGES. ENFORCEMENT ACTIONS PENDING		
Problem Descript Problem Source(s Current Actions:	<u>:ion:</u>									
BEAUGHTON CREEK Resource Value:	105.50 N/A	2	0	4	0	6	Yes	FISHERY HABITAT IMPAIRED DUE TO INDUSTRIAL WASTE DISCHARGES. REMEDIAL ACTIONS UNDERWAY		. x X . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u>									
BIG PINE CREEK	603.20	0	0	1	0	1	Yes	Recreational impacts Water diversions	Non-Point	. x x . x
Resource Value:	_N/A							(see Owens River)		
Problem Descript Problem Source(s Current Actions:	ion:recre	eation	al impact	ts, water -	diversions					
BISHOP CREEK Resource Value:	603.20 N/A	1	0	1	28	30	Yes	Recreational impacts Water diversions (see Owens River)	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> water ):	r dive	rsions, r	recreation	impacts,i	mpacts	of recr	eation (see Owens River)		

-

· · ·

		•		ST	ATEWIDE W. 1990 3	ATER QUA O3D List	LITY AS Waters	SSESSMENT		
		Report Da	te: 4/30/91							
				Rivers a	and Stream	S			<i>'</i>	Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	Nydrologia	Wa	ter Qual	ity Condit	<u>10n</u>	Total	Faat	· .		• 3 4 4 4 4 9
<u>Water Body Name</u>	Unit No.	<u>Good</u>	mediate	Impaired	Unknown	Size	<u>Sheet</u>	Problem Description	Problem Source	1 1 d m s l
BLACKWOOD CREEK	634.20	0	0	1	0	1	Yes	Objectives violated Sedimentation	Non-Point	. x x . x
Resource value:	N/A							(See Lake Janoe)		
Problem Descrip Problem Source( Current Actions	tion:_Obje s): :	ctives	violate	d, Sedimer	ntation, R	ecreatio	onal imp	pacts, (see Lake Tahoe HU)		
BURNS CREEK	304.13	0	Q	3	0	3	Yes	Sedimentation Fish habitat impaired	Non-Point	. X X . X
<u>Resource Value:</u>	_N/A		-							
Problem Descrip Problem Source(: Current Actions	tion: \$): :								,	
CARBONERA CREEK	304.12	0	0	13	0	13	Yes	Sedimentation Fish population decline	Point & Non-Point	. x x . x
Resource Value:	_N/A					•		Elevated bacteria levels		
Problem Descrip Problem Source(: Current Actions	<u>tion:</u> s): :							· .		
CHALONE CREEK <u>Resource Value:</u>	309.70 _N/A	0	0	15	0	15	Yes	Info available from Mont. Co. Flood Con.		. x x . x
Problem Descrip	tion:					•			. •	1
Problem Source( Current Actions	<u>s):</u>									1
·									· ~	

29

~

				SI	ATEWIDE W	ATER QUA 03D List	LITY AS Waters	SESSMENT				
		Report Date : 4/30/91										
Rivers and Streams <u>Water Quality Condition</u> <u>Hydrologic Inter-</u> <u>Total Fact</u>												
Water Body Name	<u>Unit No.</u>	<u>Good</u>	mediate	<u>Impaired</u>	<u>Unknown</u>	Size	Sheet	Problem Description	Prob <u>lem Source</u>	<u>1 d m s l</u>		
CHORRO CREEK <u>Resource Value:</u>	310.22 _N/A	0	3	10	0	13	No	CMC dicharge Inactive mines/Sedimentation Threat of drinking water impairment	Point & Non-Point	x x x . x		
Problem Descript Problem Source(s Current Actions:	<u>tion:</u>											
COLUSA DRAIN Resource Value:	520.21 _N/A	0	0	70	0	70	Yes	Toxic bioassay results Pesticides Agricultural wastewater	Non-Point	x x x . x		
Problem Descript Problem Source(s Current Actions:	<u>:ion:</u>											
COTTONWOOD CREEK	603.30	1	0	1	0	1	Yes	Recreational impacts Water Diversions (see Owens River)	Non-Point	. x X . x		
Problem Descript Problem Source(s Current Actions: DIABLO GULCH CREEK Resource Value: Problem Descript Problem Source(s Current Actions:	<u>ion:</u> recro <u>):</u> 305.10 _N/A <u>ion:</u> <u>):</u>	eationa 0	al impact O	s, water 2	diversions 0	2	Yes	Sedimentation Low flows	Non-Point	. x x . x		

• .
	Report	Report Date : 4/30/91						
		Rivers a	nd Stream	S				Federal Lists 33333333 1000011
	<u>W</u> ater Qu	ality Condit	ion					. 3 4 4 4 4 9
<u>Hydrologic</u>	Inter	· <u> </u>		<u>Total</u>	<u>Fact</u>			· 1
ter Body Name Unit No.	<u>Good</u> <u>media</u>	te <u>Impaired</u>	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 D M S L</u>
/ISION CREEK 603.30	1	0 1	0	. 1	Yes	Recreational impacts Water diversions	Non-Point	. x x . x
<u>source Value:</u> N/A						(see Owens River)		
bblem Description: bblem Source(s): crent Actions:						·		
LY CREEK	0	0 1	. 0	1	Yes	Aquatic impairment Human health impairment	Non-Point	. X X . X
source Value: N/A						Mine drainage	-	-
bblem Description: bblem Source(s): rrent Actions:								
NN CREEK 543.00	0	0 9	0	9	Yes	Elevated fish tissue levels Fish population decline	Non-Point	x x x . x . x
<u>source Value: </u> N/A						Drinking water impairment		
oblem Description: Elev ter standards. Impacts own. oblem Source(s): Mt. Di rrent Actions: Enforcem	ated mercury downstream ablo Mine ent actions	v and other h in Marsh Cre are underway	heavy meta bek are co at the m	ls have nfirmed	resulto (see Ma ough Poa	ed in reduced aquatic life in creek, a arsh Creek fact sheet). The significa rter-Cologne and TPCA	and exceedances of drin ance of the discharge t	king o the Delta; is un-
uthority.								
ENCH RAVINE 516.32 source Value: N/A	0	0 1	0	1	Yes	Bacteria objectives violated	Non-Point	. x x . x
			1 1		1.			÷

-

				ST	ATEWIDE W	ATER QUA	LITY AS	SESSMENT		
					Effective	Date:	April,	1990	Report Da	te: 4/30/91
				Rivers a	und Stream	s				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		<u>Water</u>	Quali	ty Condit	ion					. 3 4 4 4 4 9
Water Body Name Current Actions	<u>Hydrologic</u> <u>Unit No. Goo Regulatory a</u>	<u>In</u> od <u>me</u> action	<u>ter-</u> diate under	<u>Impaired</u> way.	<u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 <u>1 d m s l</u>
GOLD GULCH CREEN	304.12	0	0	2	0	2	Yes	Sedimentation Low flows	Point & Non-Point	. x x . x
<u>Resource Value:</u>	_N/A								-	
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s):									
GREEN VALLEY Lake Creek	628.20	0	0	5	0	5	Yes	Objectives violated Drinking water impairment (see Mojave River)	Non-Point	x x x . x
Resource Value:	N/A									
Problem Descript Problem Source(s Current Actions	tion:_DRINKING s):	G WATE	R IMPAI	IRMENT						
GROVER GULCH	304.14 N/A	0	0	3	0	3	Yes	Sedimentation Log jams and other natural blockages hammer fish migration.	Non-Point	. X X . X
Problem Descript Problem Source(s	<u>tion:</u> DESTRUC]	TION O CUTS, 1	F FISH CONSTRU	HABITAT JCTION, DE	DUE TO SEV VELOPMENT	/ERESED I	MENTATI	ON AND FISH MIGRATION IMPAIRMENTS		

Current Actions:

				SI	TATEWIDE W 1990 3	ATER QUA 03D List	LITY AS Waters	SESSMENT		
					Effective	Date:	April,	1990	Report D	)ate: 4/30/91
		<u>Wa</u>	ter Qual	Rivers a ity Condit	and Stream <u>tion</u>	IS				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9
	<u>Hydrologic</u>		Inter-			<u>Total</u>	Fact			1
Water Body Name	<u>Unit No.</u>	Good	mediate	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S: L</u>
GUADALUPE CREEK Resource Value:	205.40 N/A	0	0	6	0	6	Yes	Elevated fish tissue levels	Non-Point	x x x . x
Problem Descrip FDA action leve Problem Source( Current Actions * Abandoned min to beneficial	tion: Elev el. Mercur s): Mine d . * Guada ne is on St uses in non	ated m y in t rainag lupe C ate Su tidal	ercury i issue ra e reek has perfund waters	n fish tis nged from been post list	ssue in ex 0.37 to 2 ted warnir	cess of 2 ppm k ng on pub	FDA act rith a m blic h <u>e</u> a	tion level of 1 ppm. 21 rainbow trout s mean of 1.0. Alth significance * Prohibition of waste water dischar	amples - 9 of which e ge which has characte	eristics of concern
HARLEY GULCH Resource Value:	513.51 N/A	0	0	8	0	8	Yes	Objectives violated Threat of fish population decline Threat of elevated fish tissue levels	Non-Point	x x x . x . x
Problem Descrip	<u>tion:</u> Harl	ey Gul	ch recei	ves draina	age from A	bott Mir	he which	a causes exceedances in the mercury drin	king water standard.	
<u>Problem Source(</u> <u>Current Actions</u> tiated.	<u>s):</u> Abott :_Occasion	Mine al sam	ples hav	e been col	llected.	No regul	atory a	actions have been ini		· ·
HEAVENLY VALLEY CREEK <u>Resource Value:</u>	634.10 N/Ą	0	0	1	0	1	Yes	Objectives violated Sedimentation (see Lake Tahoe)	Non-Point	. X X . X
Dochlom Decenie	tion, andi		i							
Problem Source( Current Actions	<u>s):</u> :	mentat	1011, 61.0	STON						:
										!

Page 33

:

				ST	ATEWIDE N 1990 3	ATER QUA	LITY AS Waters	SSESSMENT	Demont C	oto . / (70/01
					Effective	Date:	April,	1990	керогсо	ate. 4/30/71
				Rivers a	nd Stream	IS				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wat	ter Qual	ity Condit	ion					. 3 4 4 4 4 9
•	Hydrologic		Inter-			Total	Fact			1
<u>Water Body Name</u>	<u>Unit No.</u>	<u>Good</u>	mediate	Impaired	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	<u>1 D M S L</u>
HORSE CREEK «	526.20 N/A	0	0	2	0	2	Yes	Fish kills Fish population decline Objectives violated	Non-Point	x x x . x
Problem Descrip reported where Problem Source(: Current Actions y will recommend	tion:Aquat the stream e <u>s):</u> Acid mi :The mine d a control	ic li enters ine dra owner strate	fe has be Shasta I ainage fr is contr egy for 1	een elimin Lake. rom Rising racting fo the mine.	ated from Star Min r a feasi	i the low Me. bility s	er mile tudy at	of the stream from acid mine drainage. the mine. The stud	No fish kills have	been
HORTON CREEK	603.20 _N/A	1	0	1	0	1	Yes	Fish population decline (see Owens River)	Non-Point	. x x . x
Problem Descrip Problem Source(s Current Actions	<u>tion:</u> fish <u>s):</u>	popula	ation dec	cline						
HOT CREEK (2) Resource Value:	603.10 _N/A	3	0	7	0	10	Yes	Elevated fish tissue levels Eutrophication (see Owens River)	Non-Point	x x x . x
Problem Descript Problem Source(s	tion:_eleva	ted fi	ish tissu	ue levels,	eutrophi	cation				

STATEWIDE WATER QUALITY ASSESSMENT 1990 303D List Waters Effective Date: April, 1990	Report Date :	: 4/30/91									
Rivers and Streams <u>Water Quality Condition</u> <u>Hydrologic Inter- Total Fact</u> <u>Water Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description Pro-</u>	Fe 3 1 1 2 2 2 2 2 1	ederal Lists 3 3 3 3 3 3 3 0 0 0 0 1 1 3 4 4 4 4 9 D M S L									
HUMBUG CREEK       517.32       0       0       9       Yes       Fish population decline       Nor         Resource Value:N/A       N/A       Mine drainage	n-Point X	<b>x <u>x</u> . x</b>									
<u>Problem Description:</u> Humbug Creek receives discharges from Malakoff Mine, which contain heavy metals and sediment. Aqu creek have been severely depressed. Impacts downstream in the South Fork of the Yuba River have not been documented. <u>Problem Source(s):</u> Malakoff Mine <u>Current Actions:</u> In the past, we have tried to convince State Parks to correct the pollution. They have been reluctant to cooperate because of their desire to maintain the historic values of the park.	uatic resources of t	the									
INDIAN CREEK (1) 632.20 0 1 1 0 1 Yes Water Diversions Nor Grazing impacts Resource Value:_N/A	n-Point .	X X . X									
<u>Problem Description:</u> Includes all CA surface and ground waterstributary to Indian Creek (1) which joins the E.Fk.Carson R. in Nevada. Problems include high nutrient levels, past eutrophication and fish kills inIndian Creek Res.; erosion, sedimentation, and debris in Indian Creek; hydrologic modification. Problem Source(s): Past wastewater disposal toIndian Creek Res.; water diversions for pasture irrigation; watershed distrubance due to livestock grazing; possible animal waste problems. Current Actions: South Tahoe PUD has constructed a new reservior to store advanced secondary effluent and is restoring Indian Creek Res. for other uses. Regional Board has WDR's on STPUD and Woodfords Indian Colony wastewater disposal, and reclamation requirements on the ranchers irrigating with effluent.											
		1									

Page 35

				ST	ATEWIDE W	ATER QUA D3D List	LITY AS Waters	SSESSMENT S		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
				Rivers a	nd Streams	5				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wat</u> Good	<u>er Quali</u> <u>Inter-</u> <u>mediate</u>	<u>ty Condit</u> Impaired	<u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	<u>Problem Source</u>	.344449 1 <u>1 D M S L</u>
JAMES CREEK	512.24 N/A	0	0	6	0	6	Yes	Fish population decline Elevated fish tissue levels Mine drainage	Non-Point	x x x . x
Problem Source(s Current Actions: Lake Berryessa. lake. Propose	<u>;):</u> Corona Recent st Followup ed studies h	Mine a udies sampli ave no	nd other in the a ng confi t been f	s rea led ta rmed that unded.	o the DHS the Pope	consume Creek w	r advis atershe	sory being issued for ed (James Creek is tributary to Pope Creek)	) is a major source	of mercury to the
KANAKA CREEK	517.42	ave no O	t been f	unaea. 1	<u>0</u>	1	Yes	Drinking water impairment Threat of fish population decline	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> Arsen <u>):</u> Upstrea _Limited s	ic exc m mine amplin 0	eeds dri s g in 198 0	nking wate 8 confirme 5	er standar ed the exi	ds in t stence	he cree of a pr Yes	oblem.	Point & Non-Point	X X X . X
Resource Value:	_N/A	5	Ŭ	-	Ū	-	100	Toxic discharge from Buena Vista mine Drinking water impairment		
Problem Descript FOUND TE IN EXCE Problem Source(s Current Actions: TERMINE POSSIBLE NOTE: LAS TABLA WATERS. LAS TABL	<u>ion:</u> RUNOF SS OF EPA A ): BUENA V _REGIONAL 1 ACTIONS. S CREEK INFO AS USED ONE	F ASSO ND DHS ISTA A BOARD DRMATIN THIRD	CIATED W DRINKIN ND KLAU CURRENTL ON HAS B OF THE	ITH ABANDO G WATER ST MINES Y IN FINAL EEN OBTAIN COSTS LIST	DNED MINES FANDARDS. PHASE OF NED AS PAR FED BELOW.	TE ALSO THREE THREE	INING T EXCEED YEAR IN LARGERI	RACE ELEMENTS (TE) ENTERING THE CREEK. WA EDCRITERIA TO PROTECT AQUATIC LIFE. HOUSE STUDY TO DE- NVESTIGATION WHICH WAS ASSESSING THE IMPAC	TER ANALYZED FROM ( TS OF MINE DRAINAGE	CREEK E ON FRESH

t

٠

STATEWIDE WATER QUALITY ASSESSMENT 1990 303D List Waters Effective Date: April, 1990 Report Date :												
	Hydrologic	<u>Wa</u>	<u>ter Quali</u>	Rivers a ity Condit	and Stream	s	Fact			Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1		
<u>Water Body Name</u>	Unit No.	Good	mediate	Impaired	<u>Unknown</u>	Size	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>		
LAS TABLAS CREEK, NORTH FORK <u>Resource Value:</u>	30981 n/a	0	4	1	<b>0</b>	5	Yes	Drinking water impairment Threat of fish kills Threat of fish population decline	Point & Non-Point	<b>x x x . x</b>		
Problem Descrip WATER AQUATIC L Problem Source(s Current Actions	tion: DRAII IFE AND EPA S): BUENA . RWQCB MIN	NAGE RI CRITE VISTA, NE STU	UNOFF FRO RIA FOR H KLAU MIN DY IN FIN	OM ABANDON NO ADVERSE NES NAL PHASE	ED MINES EFFECTS OF 3 YR.	ENTER-IN LEVEL; E STUDY.	IG CREEK XCEED E	; TRACE ELEMENTS EXCEED EPA CRITERIA FOR EPA& DHS RECOMMENDED DRINKING WATER STAND	THE PROTECTION OF FRE	ESH		
LAS TABLAS CREEK, SOUTH FORK <u>Resource Value:</u>	309.81 N/A	0	3	1	0	4	Yes	Drinking water impairment Threat of fish kills Threat of fish population decline	Point & Non-Point	x x x . x		
Problem Descrip L1FE 2) EPA & D Problem Source(: Current Actions	tion: _DRAII HS STANDARD S): _BUENA \ RWQCB MI	NAGE/R S FOR VISTA, NE STU	UNOFF FRO DRINKING KLAU MIN DY IN FIN	OM ABANDON WATER 3) NES NAL PHASE	IED MINES EPA NO AD OF 3 YR.	ENTER-IN VERSE EF STUDY.	IG CREEK FECTSLE	(; TRACE ELEMENTS EXCEED 1) EPA CRITERIA EVEL	FOR PROTECTION OF AQUA	ATIC .		
LASSEN CREEK <u>Resource Value:</u>	637.00 N/A	0	0	· 1	0	1	Yes	Water diversions Agricultural drainage (see Honey Lake)	Non-Point	. x x . x		
Problem Descrip Problem Source(: Current Actions	<u>tion:</u> wate 3): :	r dive	rsions, a	agricultur	ral draina	ge		۵				

.

.

	STATEWIDE WATER QUALITY ASSESSMENT 1990 303D List Waters Effective Date: April, 1990 Report Date : 4/30/91												
				Rivers a	nd Stream	IS				Feder 333	al Lists		
Water Quality Condition       .         Hydrologic       Inter-       .         Water Body Name       Unit No. Good mediate Impaired Unknown       Size         Sheet       Problem Description       Problem Source       1													
LATERAL #5	535.50	0	0	5	0	5	Yes	Toxic bioassay results Threat of fish population decline	Non-Point	. × .	. x . x		
Problem Descrip fish and invert Problem Source( Current Actions has conducted l LEE VINING CREE Resource Value:	tion:The ebrate spec s):The pr Toxicity imited surv < 601.00 N/A	drain ies. obable testi eys to 0	has perio sources ng contin pinpoint 0	odic eleva are dairi nues in th t the sour 1	ted level es, a mun e San Joa ce of tox 0	s of amm icipal հ quin Riv icity. 1	nonia. Waste wa Ver and Yes	In bioassay tests, the drain periodicall ater treatment plant, and an industrial d tributaries. Staff Recreational impacts Water Diversions (see Mono Lake)	y tests acutely toxic lischarge. Non-Point	: to X X .	. x . x		
Problem Descrip Problem Source( Current Actions	tion:recr s): :	eation	impacts	, water di	versions,	possible	e mining	impacts					
LEVIATHAN CREEK <u>Resource Value:</u>	632.10 N/A	2	0	2	0	4	Yes	Objectives violated Fish kills (see Bryant Creek)	Non-Point	хх.	. X . X		
Problem Descript Problem Source(s Current Actions	<u>oblem Description:</u> mine drainage impacts <u>oblem Source(s):</u> rrent Actions:												

				ST	ATEWIDE W 1990 3	ATER QUA 03D List	LITY AS Waters	SSESSMENT S		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
		Wat	er Qual	Rivers a ity Condit	and Stream	S				Federal Lists 33333333 1000∣011 .344449
· ·	Hydrologic		Inter-			<u>Total</u>	<u>Fact</u>			1
<u>Water Body Name</u>	Unit No.	<u>Good</u>	mediate	Impaired	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	1 D M S L
LITTLE COW CREEK	507.33	16	15	2	0	33	Yes	Fish population decline	Non-Point	<b>X X X _ X</b>
Resource Value:	N/A									1
Problem Descript not documented. Problem Source(s Current Actions: ommended mine se	<u>ion:</u> Mine <u>):</u> Aftertl A feasib aling.	draina hought ility s	age suppi Mine study was	resses aqu s complete	uatic life ed in 1985	for abo using 2	out a mi 205(j) 1	ile. Impacts downstream in the creek and u funds. The study rec	the Sacramento Rive	г аге
LOCKHART GULCH CREEK <u>Resource Value:</u>	304.12 _N/A	0	1	2	0	3	Yes	Sedimentation Low flows	Non-Point	. X X . X
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> ):									
LOGAN CREEK Resource Value:	304.12 _N/A	0	0	1	0	1	Yes	Sedimentation Periodic elevated nutrients/bacti levels	Non-Point	. X X . X
Problem Descript Problem Source(s Current Actions:	ion:									,
LOMPICO CREEK <u>Resource Value:</u>	304.12 _N/A	0	0	4	·0	4	Yes	Sedimentation Drinking water impairment Elevated bacteria levels	Non-Point	. X X . X
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> ):							· · · ·		;

•

				ទា	ATEWIDE W. 1990 3	ATER QUA 03D List	LITY AS Waters	SSESSMENT S		
					Effective	Date:	April,	1990	Report D	ate: 4/30/91
				Rivers a	and Stream	s				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	Hudnal and a	Wat	<u>er Qual:</u> lates	ity Condit	tion	Tatal	<b>F</b> + + +			. 3 4 4 4 4 9
Water Body Name	Unit No.	Good	<u>mediate</u>	Impaired	Unknown	<u>Size</u>	Sheet	Problem Description	Problem Source	<u>1 D M S L</u>
LONE TREE CREEK	531.40	-0	0	15	0	15	Yes	Fish population decline Dairies	Non-Point	. x x . x
Resource Value:	_N/A									
Problem Descript Problem Source(s Current Actions	tion: The c s): Dairies : Occasiona	creek h S al staf	as perio f inspec	odic eleva	ted level: tinue to v	s of sal verify t	t, ammo he prot	onia and BOD, which impact aquatic resour olem.	ces.	
LOS OSOS CREEK Resource Value:	310.22 N/A	0	6	2	0	8	Yes	Sedimentation Drains agricultural lands, flows into Morro Bay	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	:ion:;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;									
MARSH CREEK Resource Value:	543.00 _N/A	0	0	24	0	24	Yes	Objectives violated Fish population decline Elevated fish tissue levels	Non-Point	x x x . x . x
Problem Descript standards. Imp Problem Source(s Current Actions:	<u>ion:</u> Eleva bacts downst <u>):</u> Mt.Dia _Enforceme	ated men ream fr blo Mir ent acti	rcury ar rom Mars ne ions are	nd other h Sh Creek R e underway	eavy metal eservoir h at the mi	ls has r nave not ine.	esulted been m	l in reduced aquatic life in Creek, and ex measured. The significance of the dischar	xceedance of drinkin rge to the Delta is	g water unknown.
MARSHALL CREEK	304.12	0	0	2	0	2	Yes	Sedimentation Low flows	Non-Point	. x x . x
Nesource Value:	_N/A									
Problem Descript Problem Source(s Current Actions:	ion:									

				\$1	ATEWIDE WA	ATER QUA )3D List	LITY AS Waters	SSESŞMENT 3		i I
					Effective	Date:	April,	1990	Report Da	ite: 4/30/91
				Rivers a	and Stream	5				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wa	ter Qual	ity Condit	tion		·	•		. 3 4 4 4 4 9
<u>Water Body Name</u>	<u>Hyarologic</u> <u>Unit No.</u>	<u>Good</u>	<u>mediate</u>	<u>Impaired</u>	<u>Unknown</u>	<u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 D M S L
MARTIS CREEK	634.20	0	0	1	11	12	Yes	Elevated fish tissue levels Hydrologic modification	Non-Point	x x x . x
Resource Value:	_N/A							(See Truckee River)		
Problem Descrip Problem Source(: Current Actions	<u>tion:</u> eleva 5): :	ated f	ish tiss	ue levels,	, hydrolog	ic <sub>.</sub> modif	ication	n, possible impacts of wastewater disposal	,	
MIDDLE RIVER	544.00 N/A	0	. 0	30	0	30		Health advisories for Hg Fisheries habitat degradation Elevated tissue levels		X X X . X
Problem Descrip Problem Source(s Current Actions	<u>tion:</u> <u>s):</u> :									· 1
MILL CREEK (1) <u>Resource Value:</u>	601.00 N/A	1	0	1	0	1	Yes	Limited sampling	Non-Point	. x x . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s): :									
MILL CREEK (3)	641.30	0	0	1	0	1	Yes	Sedimentation Objectives violated	Non-Point	. x <sub> </sub> x x
Resource Value: Problem Descrip Problem Source(: Current Actions	_N/A <u>tion:</u> sediu <u>s):</u> :	nentat	ion, obj	ectives v	iolated					



				ST	ATEWIDE W	ATER QUA	LITY AS	SSESSMENT					
					1990 3	03D List	Waters	1000	Conort Do	to t //30/01			
					Effective	Date:	April,	1990	керогт рат	te: 4/50/91			
				Rivers a	nd Stream	S				Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1			
		Wa	ter Qual	ity Condit	ion					. 3 4 4 4 4 9			
	Hydrologic		Inter-			<u>Total</u>	Fact			1			
Water Body Name	Unit No.	Good	mediate	<u>Impaired</u>	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	IUMSL			
MINERS CREEK <u>Resource Va</u> lue:	304.13 N/A	0	0	2	0	2	Yes	Sedimentation	Non-Point	. x x . x			
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s):												
MISSION CREEK Resource Value:	315.32 N/A	0	0	7	0	7	Yes	Coliform	Non-Point	x x <sub>.</sub> x.x			
Problem Descrip Problem Source( Current Actions	tion: s): :												
MONITOR CREEK	632.10 N/A	0	0	4	0	4	Yes	Objectives violated Elevated fish tissue levels (see Carson River, E.Ek)	Non-Point	x <sup>x</sup> x . x			
Resource varue:						•							
Problem Descrip Problem Source( Current Actions	tion:_elev s): :	ated f	ish tissu	ue levels,	objectiv	esviolat	ed						
NATOMAS EAST MAIN DRAIN	519.22	0	0	12	0	12	Yes	Elevated fish tissue levels Toxic bioassay results Aquatic life impairments	Non-Point	x <sup>x</sup> x . x			
<u>Resource Value:</u>	<u> </u>												
Problem Descrip ebrate species. Problem Source( Current Actions rged PCBs.	<u>oblem Description:</u> Fish tissues exceeds NAS guidelines for PCBs. In bioassay tests, the drain occasionally tests toxic to the invert- prate species. <u>oblem Source(s):</u> Urban runoff is the likely source. urrent Actions: Upstream corrective work has been implemented at a site that formerly discha												

•

Page 42

.

•

Rivers and Streams       Federal List         Vater Quality Condition       3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Hy Water Body Name U OLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	<u>vdrologic</u> Jnit No. Go 544.00 N/A <u>on:</u>	<u>Water Q</u> <u>Inte</u> od medi O	Rivers a <u>uality Condit</u> <u>ate Impaired</u> 0 48	and Stream <u>tion</u> <u>Unknown</u> O	s <u>Total</u> <u>Size</u> 48	<u>Fact</u> <u>Sheet</u> Yes	<u>Problem Description</u> Fisheries habitat degradation	<u>Problem Source</u> Non-Point	Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1 3 4 4 4 4 9 1 1 D M S L X X X . X
Uniter Quality Condition       .3 4 4/4 6 4         Water Body Name       Unit No. Good       mediate Impaired Unknown       Size       Sheet       Problem Description       Problem Source       1 D M S L         OLD RIVER       544.00       0       0       48       0       48       Yes       Fisheries habitat degradation       Non-Point       X X X . )         DLD RIVER       544.00       0       0       48       0       48       Yes       Fisheries habitat degradation       Non-Point       X X X )         DLD RIVER       544.00       0       0       48       0       48       Yes       Fisheries habitat degradation       Non-Point       X X X )         Resource Value:       N/A       Problem Description:       A       Fisheries habitat degradation       Non-Point       X X X )         Resource Value:       N/A       Elevated fish tissue levels       Threat of drinking water impairment       Secource(s):       Agricultural pesticideapplication practices.         Current Actions:       .       Non-Point       . X X )       Threat of fish kills         Resource Value:       N/A       .       Threat of fish kills       Non-Point       . X	Hy Water Body Name U DLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	<u>vdrologic</u> Unit No. Go 544.00 N/A <u>on:</u>	<u>Water Q</u> <u>Inte</u> od <u>medi</u> O	<u>uality Condit</u> <u></u> ate'Impaired 0 48	<u>Unknown</u> O	<u>Total</u> <u>Size</u> 48	<u>Fact</u> <u>Sheet</u> Yes	<u>Problem Description</u> Fisheries habitat degradation	<u>Problem Source</u> Non-Point	_ 3 4 4 4 4 9 1 <u>1 D M SIL</u> X X X _ X
Hydrologic       Inter:       Inter: <thinter:< th="">       Inter:       Inter:<th>Hy Water_Body Name U DLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:</th><th><u>vdrologic</u> Jnit<u>No.</u> <u>Go</u> 544.00 N/A <u>on:</u> -</th><th><u>Inte</u> od <u>medi</u> O</th><th><u>ate Impaired</u> 0 48</th><th><u>Unknown</u> O</th><th><u>Total</u> <u>Size</u> 48</th><th><u>Fact</u> <u>Sheet</u> Yes</th><th><u>Problem Description</u> Fisheries habitat degradation</th><th><u>Problem Source</u> Non-Point</th><th>1 <u>1 D M S L</u> X X X _ X</th></thinter:<>	Hy Water_Body Name U DLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	<u>vdrologic</u> Jnit <u>No.</u> <u>Go</u> 544.00 N/A <u>on:</u> -	<u>Inte</u> od <u>medi</u> O	<u>ate Impaired</u> 0 48	<u>Unknown</u> O	<u>Total</u> <u>Size</u> 48	<u>Fact</u> <u>Sheet</u> Yes	<u>Problem Description</u> Fisheries habitat degradation	<u>Problem Source</u> Non-Point	1 <u>1 D M S L</u> X X X _ X
Water Body Name Unit No. Good mediate impaired Unknown Size Sheet Problem Description       Problem Source 10 M SL         DLD RIVER       544.00       0       48       Yes Fisheries habitat degradation       Non-Point       X X X . ) Elevated tissue levels         Resource Value:       N/A         Problem Description:       Problem Source(s):       Elevated tissue levels         Problem Source(s):       Problem Source(s):       Elevated fish tissue levels         DLD SLINAS       309.10       0       5       Yes Potential Water Quality Limited Segment Non-Point       X X X . )         Resource Value:       N/A         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Description:       Return agricultural pesticideapplication practices.         Durrent Actions:       Non-Point       . X	Water Body Name U OLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	<u>Jnit No.</u> <u>Go</u> 544.00 N/A <u>on:</u>	<u>od medi</u>	0 48	<u>Unknown</u> 0	<u>S12e</u> 48	<u>Sheet</u> Yes	Problem Description Fisheries habitat degradation	<u>Problem Source</u> Non-Point	
DLD RIVER       544.00       0       0       48       Yes       Fisheries habitat degradation       Non-Point       X X X . )         Resource Value:       N/A         Problem Bource(5):       Surrent Actions:         DLD SALINAS       309.10       0       5       0       5       Yes       Potential Water Quality Limited Segment       Non-Point       X X X )         REsource Value:       N/A         Problem Bource(5):       Agricultural waters carry chemicalshigh in pesticide concentrations.       Potential water quality limited segment         Problem Source(5):       Agricultural pesticideapplication practices.       Current Actions:       Non-Point       . X X )         ORESTINBAC CREEK 541.10       0       3       0       3       Yes       Toxic bioassay results       Non-Point       . X X )         Resource Value:       N/A         Problem Description:       In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent.       Impacts to the Source of the toxicity.         Problem Descriptions:       Followup investigation is underway to the determine the cause of the observe d d toxicity.       Followup investigation is underway to the determine the cause of the observe d d toxicity.       Non-Point       . X X X	OLD RIVER 5 Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	544.00 N/A <u>:</u>	0	0 48	0	48	Yes	Fisheries habitat degradation	Non-Point	XX. X X
Resource Value:       N/A         Problem Source(s):       Current Actions:         OLD SALINAS       0       0       5       0       5       Yes Potential Water Quality Limited Segment Non-Point       X X X . )         RVER       Elevated fish tissue Levels       Threat of drinking water impairment         Resource Value:       N/A         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Description:       Agricultural pesticideapolication practices.         Current Actions:       O       3       0       3       Yes       Threat of fish kills         Resource Value:       N/A       Non-Point       X X X Yes       X	Resource Value: N Problem Descriptio Problem Source(s): Current Actions:	N/A on: -						Elevated tissue levels		
Problem Description:         Problem Source(s):         Current Actions:         OLD SALINAS       309.10       0       5       0       5 Yes       Potential Water Quality Limited Segment Non-Point       X X X . )         RIVER       Elevated fish tissue Levels       Threat of drinking water impairment         Resource Value:       N/A         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Source(s):       Agricultural pesticideapplication practices.         Current Actions:       0       3       0       3 Yes       Toxic bioassay results       Non-Point       . X X . )         Resource Value:       N/A         Problem Description:       In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent. Impacts to the San Joaquin River from the observed incidents are very likely.         Problem Source(s):       Agricultural operations in the watershed are the probable source of the toxicity.         Current Actions:       Followup investigation is underway to the determine the cause of the observed incidents are very likely.         Problem Source(s):       Agricultural operations in the star Joaquin River and in this tributary.         PANCHO RICO       309.70       0	Problem Descriptio Problem Source(s): Current Actions:	<u>on:</u>								
OLD SALINAS       309.10       0       5       0       5       Yes       Potential Water Quality Limited Segment       Non-Point       X X X . )         RIVER       Elevated fish tissue levels       Threat of drinking water impairment         Resource Value:       N/A         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Source(s):       Agricultural pesticideapplication practices.         Current Actions:       0       3       0       3       Yes       Toxic bioassay results       Non-Point       X X X X Yes         Resource Value:       N/A         Problem Description:       In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent. Impacts to the San Joaquin River from the observed incidents are very likely.         Problem Source(s):       Agricultural operations in the watershed are the probable source of the toxicity.         Current Actions:       Followup investigation is underway to the determine the cause of the observe         d toxicity.       Toxicity testing continues in the San Joaquin River and in this tributary.         PANCHO RICO       309.70       0       15       0       15       Yes       Info available from Mont Co. Flood Cont. Non-Point <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>						-				
Resource Value:       N/A         Problem Description:       Return agricultural waters carry chemicalshigh in pesticide concentrations. Potential water quality limited segment         Problem Source(s):       Agricultural pesticideapplication practices.         Current Actions:       0       3       0       3 Yes Toxic bioassay results       Non-Point       . X X )         DRESTIMBA CREEK       541.10       0       0       3       0       3 Yes Toxic bioassay results       Non-Point       . X X )         DRESTIMBA CREEK       541.10       0       0       3       0       3 Yes Toxic bioassay results       Non-Point       . X X )         DRESTIMBA CREEK       541.10       0       0       3       0       3 Yes Toxic bioassay results       Non-Point       . X X )         Resource Value:       N/A       N/A       Non-Point       . X X )       Non-Point       . X X )         Problem Description:       In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent. Impacts to the San Joaquin River from the observed incidents are very likely.         Problem Source(s):       Agricultural operations in the watershed are the probable source of the toxicity.       Current Actions:       Followup investigation is underway to the det	DLD SALINAS 3 RIVER	309.10	0	0 5	0	5	Yes	Potential Water Quality Limited Segment Elevated fish tissue levels Threat of drinking water impairment	Non-Point ,	X X X . X
ORESTIMBA CREEK 541.10       0       0       3       0       3       Yes Toxic bioassay results       Non-Point       . X .	Problem Descriptio Problem Source(s): Current Actions:	<u>on: </u> Agricultu -	agricuit ral pest	icideapplicat	tion pract	ices.	n in pe	esticide concentrations. Potential Water	quality limited seg	nent
Resource Value: N/A Problem Description: In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent. Impacts to the San Joaquin River from the observed incidents are very likely. Problem Source(s): Agricultural operations in the watershed are the probable source of the toxicity. Current Actions: Followup investigation is underway to the determine the cause of the observe d toxicity. Toxicity testing continues in the San Joaquin River and in this tributary. PANCHO RICO 309.70 0 0 15 0 15 Yes Info available from Mont Co. Flood Cont. Non-Point . X . X . ) CREEK Resource Value: N/A	ORESTIMBA CREEK 5	541.10	0	0 3	0	3	Yes	Toxic bioassay results Threat of fish kills	Non-Point	_ X X _ X
Problem Description: In bioassay tests, the creek frequently tests acutely toxic to the invertebrate and fish species. In two incidents, pesticides were identified as the causative agent. Impacts to the San Joaquin River from the observed incidents are very likely. <u>Problem Source(s):</u> Agricultural operations in the watershed are the probable source of the toxicity. <u>Current Actions:</u> Followup investigation is underway to the determine the cause of the observe d toxicity. Toxicity testing continues in the San Joaquin River and in this tributary. PANCHO RICO 309.70 0 0 15 0 15 Yes Info available from Mont Co. Flood Cont. Non-Point . X . X . X CREEK Resource Value: N/A	<u>Resource Value:</u> N	N/A								
PANCHO RICO 309.70 0 0 15 0 15 Yes Info available from Mont Co. Flood Cont. Non-Point . X . X . > CREEK <u>Resource Value:</u> N/A	Problem Descriptio pesticides were id Problem Source(s): Current Actions: d toxicity. Toxic	on:In bioa dentified as :Agricultu _Followup in city testing	ssay tes the cau ral oper vestigat continu	ts, the creek sative agent. ations in the ion is unders es in the Sam	k frequent . Impacts e watershe way to the n Joaquin	ly tests to the d are th determi River ar	acutel San Joa le proba ne the ld in th	ly toxic to the invertebrate and fish spec aquin River from the observed incidents ar able source of the toxicity. cause of the observe his tributary.	cies. In two incide re very likely.	nts,
Resource Value: N/A	PANCHO RICO 3 CREEK	309.70	0	0 15	0	15	Yes	Info available from Mont Co. Flood Cont.	. Non-Point	. x x . x
	<u>kesource value:</u> N	N/A								i

				\$1	ATEWIDE W	ATER QUA	LITY AS	SSESSMENT		
·					Effective	Date:	April,	1990	Report D	ate: 4/30/91
				Rivers a	and Stream	s				Federal Lists 3 3 3 3 3 3 3 3
		<u>Wa</u>	ter Qual	ity Condit	ion		_			1000011
Water Body Name Problem Source(s Current Actions:	<u>Hydrologic</u> <u>Unit No.</u> s):	<u>Good</u>	<u>Inter-</u> mediate	<u>Impaired</u>	<u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> <u>Sheet</u>	<u>Problem Description</u>	<u>Problem Source</u>	1 1 D M S L
PANOCHE CREEK Resource Value:	_N/A	0	0	1	0	1	Yes	Sedimentation Selenium Aquatic life impairment	Non-Point	. x x . x
<u>Problem Descript</u> Problem Sourca(s Current Actions:	<u>tion:</u>									
PARKER CREEK Resource Value:	601.00 _N/A	1	0	1	0	1	Yes	Recreational impacts Water Diversions (See Mono Lake)	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> recre ;;:	eation	al impact	ts, water	diversion	S				
PELLISIER CREEK Resource Value:	603.20 _N/A	0	0	1	1	1	Yes	Threat of drinking water impairment Threat of objectives violated (see Owens River)	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	ion:possi ):	ble m	ining pro	blem, thr	eat ofdrii	nking wa	ter imp	airment, threat of objectives violated		
PINE CREEK (2) Resource Value:	637.30 _N/A	0	<b>0</b>	1	1	1	Yes	Fish population decline Sedimentation (see Eagle Lake 2)	Non-Point	. x x . x
Problem Descript Problem Source(s	<u>ion:</u> fish ):	popula	ation dec	line, sed:	imentation	ו				

				SI	ATEWIDE W 1990 3	ATER QUA 03D List	LITY AS Waters	SSESSMENT ·	Demont D	-t
				Rivers a	and Stream	s	April,		керогт и	Federal Lists
<u>Water Body Name</u> Current Actions:	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wat</u> Good	ter Qual Inter- mediate	ity Condit Impaired	<u>tion</u> <u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	<u>Problem Source</u>	1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 <u>1 D M SiL</u>
PORT OF STOCKTO	N 544.00 N∕A	0	0	1	0	1	Yes	Elevated fish tissue levels Aquatic life impairment	Non-Point	<b>. x <sub>.</sub>x . x</b>
Problem Descript Problem Source(s Current Actions:	tion:									
REDWOOD CREEK Resource Value:	305.10 N/A	0	0	2	0	2	Yes	SEDIMENTATION FROM NATURAL AND HUMAN SOURCES HAS IMPACTED BENEFICIAL USES	Non-Point	. X X . X
Problem Descrip Problem Source(: Current Actions	<u>tion:</u> <u>s):</u>									1
RIDER GULCH CREEK	305.10	0	0	2	0	2	Yes	Low flows Sedimentation Threat of fish population decline	Non-Point	• x'x - x
Resource Value: Problem Descrip: Problem Source(: Current Actions	N/A tion: s): :									1
RODRIGUEZ CREEK	631.10 N/A	0	0	1	1	1	Yes	Threat of objectives violated Threat of toxic bioassay results (see West Walker River)	Non-Point	x x x . x
<u>Problem Descrip</u> Problem Source(:	<u>tion:</u> thre <u>s):</u>	at of (	objectiv _	es violate	ed, threat	of toxi	c bioas	ssay results, possible mine tailings prob	olems	,
						Page 4	5			

-

				SI	ATEWIDE W 1990 3 Effective	ATER QUA 03D List Date:	LITY A Water: April,	SSESSMENT S 1990	Report D	ate: 4/30/91
				Rivers a	and Stream	S				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
		Wa	ter Qual	ity Condit	ion					.344449
	<u>Hydrologic</u>		Inter-			<u>Total</u>	Fact			1
Water Body Name Current Actions	<u>Unit No.</u>	<u>Good</u>	<u>mediate</u>	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 d m s l</u>
RUINS CREEK	304.13	0	0	3	0	3	Yes	Low flows Sedimentation	Non-Point	
<u>Resource Value:</u>	N/A									
Problem Descrip	otion:									
Problem Source( Current Actions	<u>s):</u>									
RUSH CREEK (1)	601.00 .	. 1	0	1	0	1	Yes	Recreational impacts Water Diversions	Non-Point	. x x . x
<u>Resource Value:</u>	N/A							(See Mono Lake)		
Problem Descrip Problem Source( Current Actions	otion:RECRU s): ::	EATION	IMPACTS	, WATER DI	VERSIONS					
SAN CARLOS CREE	K 542.20	0	0	1	0	1	Yes	Drinking water impairment Threat of fish population decline	Non-Point	x x x . x . x
<u>Resource Value:</u>	N/A									
Problem Descrip Problem Source( Current Actions	<u>ution:</u> Drinl <u>s):</u> New Id :_None	king wa ria Mir	ater star ne	ndards are	exceeded	for mer	cury.	Aquatic resources are probably impacted.		

STATEWIDE WATER QUALITY 1990 303D List Wat Effective Date: Apri	ASSESSMENT ers L, 1990	Report Date : 4/30/91
Rivers and Streams <u>Water Quality Condition</u> <u>Hydrologic Inter- Total Fac</u> <u>Water Body Name Unit No. Good mediate Impaired Unknown Size She</u>	<u>t</u> <u>et Problem Description</u> <u>Problem S</u>	Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 ource 1 D M S L
SAN DIEGO CREEK, 801.11 0 0 6 0 6 Ye REACH 1 <u>Resource Value: N</u> /A	s Elevated fish tissue levels Non-Point Elevated shellfish tissue levels Eutrophication	x x x . x
<u>Problem Description:</u> TSMP AND SMW RESULTS FOR THIS STREAM SHOW ELEVATE els attributed partly to 3 commercia nurseries in the uper watersged, a Because of the toxics problems associated with this reach, IT HAS BEEN <u>Problem Source(s):</u> Nonpoint Sources: agricultural a sites (including c construction sites. <u>Current Actions:</u> Agricultural best management plans are required for e ol of contaminated runoff. Best management practices are required at on. Waste discharge requirements being developed for the nursery dischar ing N reconnaisance study to identify sources of N in watershed.	D LEVELS OF PESTICIDES AND METALS. The stream also has ndhigh sediment concentrations at times due to erosion DESIGNATED A WATER QUALITY LIMITED SEGMENT. ommercial nurseries) and erosion of agricultural land a rosion control and cont construction sites to reduce erosion. Newport Co rges. Bioaccumulation study through the SMW and TSMP pr	hgh nitrate lev in the watershed. n ordinator dedicated positi ograms. RWQCB currently do
SAN DIEGO CREEK, 801.11 0 0 6 0 6 Ye REACH 2 <u>Resource Value:</u> N/A	s Elevated fish tissue levels Non-Point Elevated shellfish tissue levels	x x x . x
<u>Problem Description:</u> TSMP results for this stream show high levels of levels and a high sediment load. Same as San Diego Creek,Reach 1. <u>Problem Source(s):</u> Agricultural and urban runoff. Erosion of agricultur Same as SanDiego Creek,Reach 1. <u>Current Actions:</u> Same as San Diego Creek,Reach 1. Others Actions: 3 commercial nurseries putting in recycling systems and	pesticides and metals in fish tissue. The stream also h ural land and constuction sites. I other BMPs to reduce both runoff and nitrate loading.	as high nitrate

				ST	ATEWIDE W 1990 3 Effective	ATER QUA 03D List Date:	LITY AS Waters April,	GSESSMENT 3 1990	Report D	ate : 4/30/91
<u>Water Body Name</u>	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wate</u> . <u>1</u> <u>Good n</u>	er Quali Inter- mediate	Rivers a ty Condit Impaired	nd Streama <u>ion</u> <u>Unknown</u>	s <u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	<u>Problem Source</u>	Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 1 D M S L
SAN TIMOTEO CREEK, REACH 4 <u>Resource Value:</u>	801.62 _N/A	0	0	14	0	14	Yes	Recreational impacts Secondary treated wastewater discharge	Point	. x x
Problem Descript use will not be Problem Source(s affecting this Current Actions:	<u>ion:</u> A sec met unless <u>):</u> Yucaipa reach.	condary s the wa a Valley	treated astewate / County	l wastewat er receive Water Di	er dischau s advanced strict Waa	rge prov d treatm stewater	ides mo ent. F Treatm	ost or all of the flow in the stream. The Portions of this stream are intermittent. ment Plant Discharge; City of Beaumont dis	water contact bene charge may be	ficial
SHINGLE MILL CREEK <u>Resource Value:</u>	304.12 N/A	0	0	2	0	2	Yes	Sedimentation Low flows	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> ):									
SULFUR CREEK	513.51 _N/A	0	0	7	0	7	Yes	Drinking water impairment Fish population decline Objectives violated	Non-Point .	x x x . x . x

.

.

<u>Problem Description:</u> Sulfur Creek has mercury levels that exceed drinking water standards. Aquatic resources are depressed. The significance of the discharge to downstream waters (Bear Creek) is unknown. <u>Problem Source(s):</u> Manzanita Mine and natural sulfur springs.

6

Current Actions: None

				STA	TEWIDE W 1990 30	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT 3 1990	Report Da	nte: 4/30/91
				Rivers ar	nd Stream	5				Federal Lists 3 3 3 3 3 3 3 3
			o. 17.							
	Underlagin	Water	r Qualit	y Conditi	on	Tatal	Feet			- 344449
Water Body Name	Unit No.	. <u>11</u> Good me	ediate f	mpaired	Unknown	Size	<u>ract</u> Sheet	Problem Description	Problem Source	1 D M S L
	<u></u>				<u>, , , , , , , , , , , , , , , , , , , </u>	<u></u>		<u></u>	<u></u>	
TEMPLE CREEK	531.40	0	0	10	0	10	Yes	Fish population decline Elevated salt, NH3	Non-Point	- X - X - X
Resource Value:	N/A							Dairies		1
Problem Descrip Problem Source( Current Actions	<u>tion:</u> The <u>s):</u> Dairie <u>:</u> Occasion	creek ha s al staff	s period inspect	ic elevat ions cont	ted level	s of sal verify t	t, ammo	onia and BOD, which impact aquatic res	sources.	<b>6</b>
TOWN CREEK	526.20	2	0	1	0	3	Yes	Fish population decline Objectives violated	Non-Point	x x x . x
Resource Value:	<u> </u>							Mine drainage		i
Problem Source( Current Actions y will recommen	<u>s):</u> Acid m :The mine d a control	ine drain owner i strateg	nage fro s contra y for th	m Bully H cting for e mine.	Hill Mine r a feasi	- bility s	study a	t the mine. The stud		1
VALENCIA CREEK	304.13	0	0	6	0	6	Yes	Fish population decline Sedimentation	Non-Point	. x x . x
<u>Resource Value:</u>	<u>N/A</u>							Spawning impairment	,	
	<b>. :</b>									;
Problem Source/	s).			•						
Current Actions	<u>:</u>									
WADDELL CREEK, EAST BRANCH	304.10	0	0	3	0	3	Yes	Drinking water impairment Fish habitat impairment Elevated putrient levels	Point & Non-Point	. x X . x
Resource Value:	N/A									
Problem Descrip	tion:									
						Page /	20	٠		
						raye 4			•	1
										:

STATEWIDE WATER QUALITY ASSESSMENT	
Effective Date: April, 1990	Report Date : 4/30/91
Rivers and Streams <u>Water Quality Condition</u> <u>Hydrologic Inter-</u> <u>Total Fact</u> <u>Water Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Descripti</u> <u>Problem Source(s):</u> <u>Current Actions:</u>	Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 on <u>Problem Source</u> <u>1 D M S L</u>
WEST SQUAW CREEK 505.10 6 0 2 0 8 Yes Fish kills Fish population c Resource Value: N/A Objectives violat	Non-Point XX.XX.X ecline ed
Problem Description:Metals levels and low pH result in near sterile conditions in creek and Lake Shasta. Significance of the discharge below Shasta Dam and in the Delta is unknown.Problem Source(s):Balaklala, Shasta King, Early Bird, and Keystone Mines.Current Actions:Abatement facilities are under construction by the mine owner. It is esting that copper, zinc, and cadmium loadings to the creek will be reduced annually by 9,00WILLOW CREEK524.631203015YesFish population c	d cause fish kills where the creek empties into ma O lbs., 15,000 lbs., and 40 lbs., respectively. Limited mon ecline Non-Point X X X . X
(WHISKEYTOWN) Heavy metals, aci Mine drainage	a
<u>Problem Description:</u> Metals and low pH result in near sterile conditions in the creek. Imp <u>Problem Source(s):</u> Greenhorn Mine <u>Current Actions:</u> Abatement study has been completed. Monitoring is done to assess success abatement measures.	acts downstream in Clear Creek are undocumented. of
WILSON CREEK 601.00 0 0 1 0 1 Yes Recreational impa Water diversions <u>Resource Value:</u> N/A (See Mono Lake)	sts Non-Point .XX.X
<u>Problem Description:</u> recreation impacts, water diversions,(see Mono HU) <u>Problem Source(s):</u> <u>Current Actions:</u>	, ,

										1
				ST	ATEWIDE .	ATER QUA	LITY AS	SESSMENT		
					1990 3	303D List	Waters	3		}
					Effective	e Date:	April,	1990	Report Da	te: 4/30/91
				Ocean						Federal Lists
										3 3 3 3 3 3 3 3 3
		11-1	• • • • • • • • •	i						
	Wydrologia	wat	Inton-		ion	Total	Feet			
liston Rock Nome	Hoit No	Cood	modiate	Impoind	Unknown	<u>fotat</u>	<u>ract</u>	Dechlom Decemintion	Duchlam Source	
water body Name	UNIL NO.	<u>4000</u>	mediate	Impatred	UNKNOWN	<u>512e</u>	<u>sneet</u>	Problem Description	Problem Source	IDM SL
COASTLINE OF SAU DIEGO REGION	N <u>.</u>	78	12	12	0	102	Yes	impaired length of the San Diego coastli ne is HA 911.11. impairment is as liste d for the HA.	Point & Non-Point	<b>x x  x . x</b>
Resource Value:	2					•				1
						,				1
Problem Descrip PUBLIC HEALTH W Problem Source( Current Actions S OF CONCERN.	tion:RAW ARNINGS HAV <u>s):</u> FLOWS :REGIONAL STAFF INVOL	SEWAGE E BEEN ORIGIN BOARD VED IN	FLOWS OF POSTED ATING FRO STAFF S/ COORDIN/	RIGINATING FROM THE B DM TIJUANA AMPLES AT ATION WITH	FROM TIJ SORDER TO A,MEXICO SEVERAL S I OTHER ST	UANA.FLC 10 MILES STATIONS FATE AND	WS CHAR NORTHE REGULAR FEDERAL	RACTERIZED BY LOW DISSOLVED OXYGEN AND HIGH RLY TO SAN YSIDRO. RLY FOR THE PARAMETER . AGENCIES IN TRYING TO RESOLVE THE PROBLEM	I BACTERIA COUNTS.	
NORTH COAST		0	0	1	0	1	Yes	Dioxin	Point	x x . x x
BASIN (OCEAN,				•						
SAMOA PEN.)							·			
Resource Value:	_3									•
Problem Descrip	tion									1
Problem Source(	s):									1
Current Actions	•									1
ourrent notions	<u>.</u>									
TIJUANA EST SHORELINE	911.11	0	0	10	0	10	Yes	Objectives violated Recreational impacts beach area permanently quarantined	Point & Non-Point	. x x . x
Resource Value:	3									
-										
Problem Descrip	<u>tion:</u> PAST	AND P	RESENT R	AW SEWAGE	SPILLS HA	AVE IMPAC	TED THE	E REC-1 USE.		
FECAL COLIFORM	COUNTS ROUT	INELY	EXCEED T	HEWATER QU	JALITY OB.	JECTIVES.				
Problem Source(	<u>s):</u> POINT	SOURCE	POLLUTI	ON CAUSED	BY TIJUAN	NA RAW SE	WAGE FL	OWS UNTO THE SURF ZONE.		
<u>Current Actions</u>	:_ROUTINE	SAMPLI	NG OF TH	E SURF ALC	ONG THE 10	) MILE IN	IPACTED	AREA. PARTICIPATION		
IN THE VARIOUS	STATE AND	INTERN	ATIONAL	INTERAGENC	CY COORDIN	NATION WO	ORKGROUF	PS.		

Page 51

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA D3D List Date:	ALITY AS Waters April,	GSESSMENT 3 1990	Report	Date :	4/30/91
				Lakes						Fede	eral Lists
										33	33333
										10	00011
		Wa	ter Qual	ity Condit	ion					. 3	44449
	Hydrologic	1	Inter-			Total	Fact			1	
Water Body Name	<u>Unit No.</u>	Good	<u>mediate</u>	Impaired	Unknown	<u>Size</u>	Sheet	Problem Description	Problem Source	<u>1</u> D	MSL
CLEAR LAKE	513.52	0	0	43000	0	43000	Yes	Elevated fish tissue levels Eutrophication	Non-Point	хх	x x x
Resource Value:	_1							Recreational and fish impacts			

<u>Problem Description:</u> Fish routinely exceed mercury FDA/NAS guidelines. A consumer health advisory is in effect. Extremely elevated (exceed -ing hazardous levels in some areas) mercury sediment levels occur over a Ssquare mile area of the lake adjacent to the principle source. Downstream impacts unmeasured, although Cache Creek fish may have elevated mercury levels. Algal blooms impact recreational uses.

<u>Problem Source(s):</u> Sulphur Bank Mine is the sourceof the mercury. Nutrients probably come from agriculture and septic tanks.

Current Actions: Enforcement actions are underway through Porter-Cologne and TPCA authority.

A study is underway(\$80,000) to define abatement options at the mine site and in the lake. Routine regulatory activities continue at applicable NPDES facilities and nonpoint sources.

LAKE TAHOE	634.30	0	0	120000	Ó	120000	Yes	Eutrophication	Non-Point	ххххх
								Sedimentation		
Resource Value:	_1							Objectives violated		

<u>Problem Description:</u> Includes Lake Tahoe and tributary wetlands, streams, lakes and ground water within CA. Lake Tahoe shows increasing phytoplankton and periphyton productivity and decreasing clarity, both in violation of objectives. Lake problems also include sedimentation, elevated TBT in some marina sediments, and taste and odor problems in some mun.supplies.Streams, wetlands affected by erosion, sedimentation and watershed (cont). <u>Problem Source(s):</u> Nonpoint sources including construction, silviculture, grazing, urban and highway runoff, wetland alteration,

reservoir mgmnt.,atmospheric deposition, fertilizer use,wastewater (cont.)

Current Actions: At present, we are spending approx. \$1,000,000/yr for NPS erosion control

funded by SAP. Implementation of bistate "208" water quality plan and State Bd.Lake Tahoe Basin WQ Plan, including controls on new development, remedial erosion runoff cntrl.projects, wetland restoration, BMPs for new andexisting development, export of wastewater and solid waste, interagency moni toring program, special studies and enforcement action as needed.

				ST	ATEWIDE W 1990 3 Effective	ATER QUA 03D List Date:	ALITY AS Waters April,	SSESSMENT 1990	Report D	Pate: 4/30/91
				Lakes						Federal Lists 3 3 3 3 3 3 3 3
	Under Landa	<u>Wa</u>	ter Qual	ity Condit	ion	Tatal	feet			1000011 _344449
Water Body Name	<u>Unit No.</u>	<u>Good</u>	<u>Inter-</u> mediate	<u>Impaired</u>	<u>Unknown</u>	<u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem_Source	<u>1 D M S L</u>
SALTON SEA Resource Value:	728.00 1	0	0	220000	0	220000	Yes	Objective violated (Salinity) Elevated fish tissue levels (Selenium) Recreational impacts	Non-Point	<b>X X</b> X X X

Problem Description: Increasing salinity is threatening thesurvival of the aquatic life in the Sea and the wildlife dependent on the Sea.Fish from the Sea have elevated levels of Selenium affecting the amount that can be safely eaten. The Sea is a closed basin, and without implementa tion of a salinity control project, salinity will continue to increase.

Problem Source(s): Raw and inadequately treated sewage and industrial wastes from Mexico enter via the New River. Nutrients and

bacteria come from agricultural drainage. Selenium from Colorado River.

Current Actions: Region-7 is currently participating in an interagency Task Force formed by

the Resources Agency. Region-7 is taking the lead in working with other interested agencies in investigating the use of desiltation basins and biologic al treatment of agricultural drainageways tributary to Salton Sea. Region-7 is contracting with the US Geological Survey to study sources of Selenium ent ering Salton Sea (costs are listed below).

EAGLE LAKE (2)	637.30	0	0	25000	0	25000	Yes	Fish kills	Non-Point	хх	ххх
•								Eutrophication			
Resource Value:	_2							Possible metals problems			

Problem Description: Includes entire "Eagle Drainage HA" w/in Susanville HU:Eagle Lake, tributary wetlands, streams, lakes, GW. Problems in lake include localized dissolved oxygen depletion and fish kills, probably related to eutrophication; periodic heavy algae blooms; high copper levels in trout livers; reported high ambient lead levels and pH criteria violations. Erosion and sedimentation have reduced flows in tributary (cont) Problem Source(s): NPS including:septic systems, watershed disturbance by livestock grazing and timber harvest, road and

"urban" runoff; seasonal heavy recreational use; fluctuating lake (cont)

Current Actions: septic system discharge

prohibitions tion with Eagle Lake Interagency Bd of Directors; State Bd. followup study Regional Bd. regulation and enforcement activities

coordina-

to confirm the magnitude of the GW degradation from septic systems, Regional Bd participation in Pine Creek Coordinated Resouce Management Program (CRMP)

				st	ATEWIDE W 1990 3 Effective	ATER QUA 03D List Date:	LITY AS Waters April.	SESSMENT 1990	Report D	ate :	4/30/91
				Lakes						Fede 33	ral Lists 3 3 3 3 3
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wa</u> Good	ter Quali <u>Inter-</u> mediate	ity Condit <u>Impaired</u>	<u>ion</u> <u>Unknown</u>	<u>Total</u> Size	<u>Fact</u> Sheet	Problem Description	Problem Source	10 .3 1 <u>1 D</u>	44449 MSL
MONO LAKE <u>Resource Value:</u>	601.00 _2	0	0	35000	0 ·	35000	Yes	Objectives violated Fish kills Fish population decline	Non-Point	хх	x x x
Problem Descrip Diversions of a contamination Problem Source(: Current Actions small hydro. pu	tion: Inclusurface wath from UGTs.   5): NP eros Regulation rojects.	udes al er by I Propose sion ru on (WDH	ll waters LADWP hav ed small unoff fro Rs) of La 29480	s in the M ve caused hydro. pr om ski are arge land 20	ono HU. Ni shrinking ojects ma as, urban disturban O	PS pollu of Mono y also r develop ce proje 29500	tion fr Lake, educe s ment,UG cts. Li	om ski areas, grazing, recreational use, dewatering of streams with resultant fis tream flows needed for fisheries. Ts, water diversions mited review of Fish kills	and development. h kills and loss of l	habitat x x	. GW
Resource Value:	_2	Ū	27400	20	Ū	27300	105	Threat of fish population decline			•••
Problem Descript Problem Source(s Current Actions ittle Backbone (	<u>ion:</u> Fish <u>):</u> Balakla <u>Abatemen</u> Creek fact :	kills ala, Sh t facil sheet).	occur pe hasta Kir lities ar . Routir	eriodically ng, Early I re under co ne regulato	y în the   Bird, Keys onstructio ory activ	Lake whe stone, M on at th ities co	re Litt ammoth e mines ntinue	le Backbone and Little Squaw Creeks empt and Golinski Mines. listed above (see L in the watershed above Shasta Lake.	y into the lake.		
BERRYESSA LAKE Resource Value:	512.21 3	0	0	20700	0	20700	Yes	Elevated fish tissue levels Threat of fish population decline Threat of objectives violated	Non-Point	хх	x x x
<u>Problem Descript</u> sediment levels Downstream impac <u>Problem Source(s</u>	<u>ion:</u> Fish present in ts are unma ): Numerou	routir arms c easurec as mine	nely exce of the la d. Signi es and pe	ed mercury ke with ma ficance of rhaps nati	y FDA/NAS ajor tribu f discharg ural sourd	guideli utaries. ge to th ces.	nes. A Eleva e Delta	consumer health advisory is in effect. ted mercury levels in fish-eating birds is unknown.	There are elevated m has resulted in exter	nercury nsive b	ird kills.

Current Actions: Proposals to define upstream sources have not been funded. Routine regulato

ry activities continue at applicable NPDES facilities and nonpoint sources.

										,
	٠			sı	ATEWIDE WA	TER QUA	LITY AS	SESSMENT	•	ı I
					Effective	Date:	April,	1990	Report E	ate : 4/30/91
				Lakes						$\begin{array}{c} \text{Federal Lists} \\ 3 \ 3 \ 3 \ 3 \ 3 \ 3 \ 3 \ 3 \ 3 \ 3$
	Hydrologic	<u>Wat</u>	er Quali Inter-	<u>ity Condit</u>	ton	<u>Total</u>	<u>Fact</u>			. 3 4 4 4 4 9 1
Water Body Name	<u>Unit No.</u>	Good	<u>mediate</u>	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
WISKEYTOWN RES	524.61	3151	0	. 100	0	3251	Yes	Recreational impacts Coliform bacteria	Non-Point	. x x . x
Resource Value:	_3									
Problem Descrip Problem Source( Current Actions ary.	tion:Coli <u>s):</u> _The pro :The U.S (	form ba obable Park Se	cteria d source i ervice ha	concentrat is contact as increas	ions excea recreations and monitor	ed crite on (swim `ing. B	eria for ming) i Seaches	<ul> <li>contact recreation.</li> <li>n shallows and confined portions of the are posted if necess</li> </ul>	e reservoir.	
ALKALI LAKE, LOWER <u>Resource V</u> alue:	641.00 4	0	0	10855	0.	10855	Yes	Natural high salinity Geothermal/agricultural drainage (see Alkali Lakes, Middle)	Non-Point	x x L . x x x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> natu <u>s):</u> :	ral hig	h salin	ity, geotł	ermal drai	inage,ag	ricultu	ral drainage		-
ALKALI LAKE, MIDDLE	641.00	0	0	39475	0	39475	Yes	Geothermal drainage Natural high salinity Agricultural drainage	Non-Point	x x x x x
Resource Value:	4									
Problem Descrip east slope of P REC-1; problem Problem Source( drainage, septi Current Actions municipal waste	tion:Incl Warner Moun s may be age s):Natura c systems, :Regulati facility	udes al tains). gravate l high livesto on and	l CA sur Alkali d by agr concentr ock graz enforcer	rface and Lakes, wi ricultural rations of ing,timber ment activ	ground wat th natural drainage salts and harvest vities, ind	ters in ly poor and div toxic t cluding	Surpris qualit versions race el timber	e Valley HU (e.g. Upper and Lower Alka y, specifically exempted from MUN use from tributaries. Warner Mountains st ements, water diversion, ag icultural harvest, SWAT sites,	ali Lakes and streams of designation in 1989 ar reams include high qua and geothermal	on nd not designated ality (cont.)
,										

Page 56

				ST	ATEWIDE W/ 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April,	SSESSMENT S 1990	Report Da	te: 4/30/91
				Lakes						Federal Lists 3 3 3 3 3 3 3 3
		Wat	ter Qual	itv Condit	ion					.344449
	Hydrologic	<u></u>	Inter-			<u>Total</u>	Fact		;	1
Water Body Name	<u>Unit No.</u>	Good	mediate	<u>Impaired</u>	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 D M S L</u>
HONEY LAKE <u>Resource Value:</u>	637.20 _3	0	0	55327	0	55327	Yes	Toxic bioassay results	Point & Non-Point	x x x x x
HU. Problems in discharges,eros <u>Problem Source(s</u> directly to Sus <u>Current Actions</u> SWRCB Ambient 1 review of propo (IRP) undergroun	Sidde local Sion, sedime San River;go 	nized r entation of high eothern on and ogram water anup	nign con on,hydro levels o mal drain enforcen export	centration logic modi of toxic t nage;highw ment activ	is of toxic fication,a race eleme ay and urb ities; mor	c or rad and thre ents,agr pan runo nitoring	icultur ff (con of Hon	GW export.Live ammunitition from Sierra al drainage;ww disposal to septic system at) hey Lake as part of issues; NPDES; geothermal discharge r	regulation; hazardous r	necreation (cont)
HONEY LAKE WILDFOWL MGMT. <u>Resource Value:</u>	637.20 _3	0	0	500	0	500	Yes	Threat of toxic bioassay results (see Honey Lake)		x x x . x
Problem Descript Problem Source(s Current Actions:	<u>:ion:</u> Threa :):	it of t	toxicity	bioassay	results					
NACIMIENTO RESERVOIR Resource Value:	309.82	0	0	5370	0	5370	Yes	Water quality limited segment Elevated fish tissue levels Sediment impaired, not water in Res.	Non-Point	x x x x x

<u>Problem Description:</u> Water quality limited segment Mercury insediments originating from natural Mercury deposits in the watershed and man's past mining activities have aggregated Mecury deposition in NacimientoLake sediments. <u>Problem Source(s):</u> Natural Mecury deposits andabondoned Mecury Mines. <u>Current Actions:</u> Action being directed towards controlling discharges and runoff from abandon ed mines-(See Las Tablas Creek File).

				SI	ATEWIDE W		LITY AS	SSESSMENT	I	1
					Effective	Date:	April.	s 1990	. Report D	)ate : 4/30/91
					,					
				Lakes						Federal List
										3333333
		Ua	tor Aust	ity Condit	ion					34444
	Hydrologic	wa	Inter-		1011	Total	Fact			1
Water Body Name	<u>Unit No.</u>	<u>Good</u>	mediate	Impaired	Unknown	Size	Sheet	Problem Description	<u>Problem Source</u>	<u> 1 D M S L</u>
ALKALI LAKE, UPPER	641.00	0	0	24250	0	24250	Yes	Geothermal/Agricultural drainage Natural high salinity (see Alkali Lakes, Middle	Non-Point	x x x x
Resource Value:	4							(See Arkari Eakes, made		
		• •								
Problem Descrip Problem Source( Current Actions	<u>tion:</u> Agri <u>s):</u> :	cultur	al drain	age, geoti	iermat dra	iinage,na	atural I	nigh salinity		
CALERO RES <u>Resource Value:</u>	205.40 4	0	0	350	0	350	Yes	Mercury exceeds FDA in fish	Non-Point	x x x x
<u>Problem Descrip</u> <u>Problem Source(</u> <u>Current Actions</u>	<u>tion:</u> s): :									
ELIZABETH LAKE	403.51	0	0	90	0	90	Yes		Non-Point	- x - <sub>-</sub> x x
Resource Value:	4							Eutrophication		
	·									1
Problem Descrip	<u>tion:</u> High	groun	dwater,	septic tar	nks, urbar	n runoff				
Problem Source(	s): NONPOI	NT								
Current Actions	:_Investig	ation	of colif	orm contar	nination (	little	to none	found).	Ł	1
GUADALUPE RES <u>Resource Value:</u>	205.40 4	0	0	80	0	80	Yes	Elevated fish tissue levels	Non-Point	x x x x
Problem Descrip twenty-one blu Problem Source(	<u>tion:</u> Toxi e gill samp s): Mine d	c Subs bles ex Inainag	tance Mo ceeded t	nitoring H he FDA act	Program ha tion level	as revea (1.0 pp	lecielev xm). Mo	vated mercury levels in fish tissue(SWR ercury in the bluegill ranged from 0.8	CB 1986). All but one to 3.8 ppm with a mean	e of the n of 2.0 ppm.
Current Actions	: Reservoi	r has	- been pos	ted on fis	sh consum	otion Wa	ning			
Pollution sourc	e has been	listed	on Stat	e Superfu	nd List			SWRCB Toxic Substance Monitoring pro	ogram	
						Page	57			1
										1
										-

1

				ST	ATEWIDE WA 1990 30	TER QUA 13D List	LITY AS Waters	SSESSMENT		
					Effective	Date:	April,	1990	Report Da	te: 4/30/91
				Lakes						Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
Water Body Name	<u>Hydrologic</u> Unit No.	<u>Wat</u> Good	<u>er Qualit Inter-</u> mediate I	<u>y Condit</u> mpaired	<u>ion</u> Unknown	<u>Total</u> Size	<u>Fact</u> Sheet	Problem Description	Problem Source	.344449 1 1 D M S L
HARBOR PARK LAK	E 405.12	0	0	50	0	50	Yes	Health advisory in affect-chlordane> FDA Elevated fish tissue levels	Non-Point	x x x x x
Problem Descrip eutrophication Problem Source( Current Actions	tion:Chlor s):NONPOIN :Monitorin	rdane-E NT: Urb ng & As	xceeds FD an runoff sessment	A (TSM),	DDT-excee	ds NAS	(TSM),	Lindane, heptachlor-exceeds E-95, PCB's ex	ceed NAS (TSM), PAH	Ś
KESWICK RES	524.40 4	0	450	200	0	650	Yes	Fish population decline Recreational impacts Objectives violated	Non-Point	x x x . x
Problem Descrip cts on recreati Problem Source( Current Actions batement projecting is done to en	tion: There onal uses fr s): Acid mi : A superfu t is expecte valuate the	e are r rom slu ine dra und pro ed to r effect	educed fi dge depos inage fro ject is u educe ann iveness o	sh and a its. m IronMo nderway ual copp f contro	quatic inv untain Min and schedu er, zinc, l measures	ertebra e is the led for and cadu	te popu e cause comple mium	ulations in the lower mile of the reservoir etion in 1993. The a loads by 190,000 lbs., 800,000 lbs., and	•. There are adverse 1 5,000 lbs., respect	e impa tively. Monitori
OWENS LAKE <u>Resource Value:</u>	603.30 _4	0	0	175	0	. 175	Yes	Water diversion High natural salinity (see Owens River)	Non-Point	x x x x x
Problem Descript Problem Source(s Current Actions	tion:Water 3):	• diver	sions, Hi	gh natur:	al salinit	у				

•

								•		
·				ST	ATEWIDE W 1990 3	ATER QUA 03D List	LITY ÁS Waters	SSESSMENT		
					Effective	Date:	April,	1990	- Report D	ate: 4/30/91
		Wat	ter Qual	Lakes ity Condit	ion				•	Federal L'ists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 3 4 4 4 4 5
	Hydrologic	<u></u>	Inter-			<u>Total</u>	<u>Fact</u>			1
later Body Name	<u>Unit No.</u>	<u>Good</u>	<u>mediate</u>	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
VUDDINGSTONE RESERVOIR	405.52	0	0	490	0	490	Yes	Pesticides,PCB's (TSM) Elevated fish tissue levels Recreational impacts	Non-Point	xxxx>
lesource Value:	_4							Reoreactional impacts		
Problem Descript Problem Source(s Current Actions:	ion:_Urba ):_NONPOII	n and <i>i</i> (T	Agricult	ural runof	f ,					
CHWAN LAKE	304.12 _4	0	0	24	0	24	Yes	Excessive plant growth Urban runoff Fish kills	Non-Point `	x x x x >
roblem Descript he amount of DC roblem Source(s current Actions	ion: Acce ). ;): Urban ;	lerate and Ag	d plant a	and alge g al runoff.	prowth ins	ummer mo	onths ma	ay be detrimental to the fish popu	lations by restricting	
EARLES LAKE esource Value:	621.00 _4	0	0	26100	0	26100	Yes	Natural high salinity	Non-Point	x x x )
roblem Descript roblem Source(s urrent Actions:	<u>ion:</u> Natu ):	ral hig	gh salin	ity, dumpi	ng					
OPAZ LAKE	631.10	0	0	2300	0	2300	Yes	Objectives violated Sedimentation	Non-Point	x x x . >
esource Value:	_4							(see West Walker River)		
roblem Descript roblem Source(s urrent Actions:	<u>:ion:</u> sedin :):	nentat	ion, pos	sible sept	ic system	effects	, meta	s/arsenic problems		•
						Page 5	i9			

•.

.

				ST	TATEWIDE W 1990 30 Effective	ATER QUA O3D List Date:	LITY AS Waters April,	ISESSMENT 1990	Report [	Date: 4/30/91
Votor, Poski Nemo	<u>Hydrologic</u>	<u>Wa</u>	ter Qual	Lakes ity Condit	<u>tion</u>	Total	Fact			Federal Lists 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9 1 1 0 4 0 1
BEACH LAKE Resource Value:	<u>510.00</u> 510.00	<u>6000</u> 0	<u>mediate</u> 0	<u>1mpa1red</u> 295	<u>Unknown</u> O	<u>512e</u> 295	<u>Sheet</u> Yes	<u>Problem Description</u> Elevated fish tissue levels Threat of fish population decline Threat of objectives violated	<u>Problem Source</u> Non-Point	<u>T D M S L</u> X X X X X
Problem Descript Problem Source(s for the chlordar Current Actions: onitored for to DAVIS CREEK RES Resource Value:	tion: Fish 5): Presen he, mercury The disc ficity in 1 513.32 5	excee t and p and P harge 989-90 0	d NAS gui past agri CBs. from Bead 0	idelines f icultural ch Lake (M 290	for DDT, Gi practices Aorrison Ci O	roup A p probabl reek to 290	esticic y accou Sacrame Yes	les, Chlordane, PCBs and mercury. nt for the pesticides. Urban runoff p ento River) will be m Elevated fish tissue levels	robably accounts Non-Point	x x x x x
Problem Descript and in Cache Cre Problem Source(s Current Actions: s contribution t	tion:Fish eek is not <u>s):_</u> Reid M :Owners o to the Davis	excee well d ine f Home: s Creel	d FDA gui efined. stake Mir k Reservo	idelines f ne have bo pir. Home	for mercury bught the F estake inte	7. The Reid Min Rends to	signifi e prope impleme	cance of the elevated levels of mercury rty and evaluated it ntcontrol actions to reduce the impacts	y downstream in Davis s of Reid Mine.	Creek
HERMAN LAKE Resource Value:	207.21 _5	0	0	110	0	110	Yes	Elevated fish tissue levels	Non-Point	x x x x x
Problem Descript ged from 0.3 - 1 for human consu <u>Problem Source(s</u> <u>Current Actions</u> :	ion:Toxid .8 ppm with mption. Th :Mine do SWRCB Tox	: Subsi n a mea no samp rainage (ic Mor	tance Mor an of 0.7 ples equa e nitoring	nitoring P % ppm. S aled or ex Program	rogram has eventeen s ceeded the	: reveal amples : FDA ac	ed elev equaled tion le	ated mercury levels in fish tissue(SWR( or exceeded median International Stand vel.	:B 1986). Mercury val Jards and DOHS advisor	ues ran y level of 0.5 ppm
Basin Planning								Pollution source has been placed on S	State Superfund List.	

•

				ST	ATEWIDE W/ 1990 3(	ATER QUA D3D List	LITY AS Waters	SSESSMENT		1	
					Effective	Date:	April,	1990	Report D	ate : 4/3	0/91
				Lakes						Federal 3333	Lists 333 011
Water Rody Name	Hydrologic	<u>Wate</u> <u>I</u> Good m	<u>r Quali</u> <u>nter-</u> mediate	ty Condit	<u>ion</u> Unknown	<u>Total</u> Size	<u>Fact</u> Sheet	Problem Description	Problem Source	. 3 4 4 1 1 D M S	449
HERNANDEZ RESERVOIR Resource Value:	305.50	0	0	590	0	590	Yes	Potential water quality limited segment Suspect natural Hg sources Hg detected in fish tissue	Non-Point	x x	x
Problem Descript Problem Source(s Current Actions:	tion:										
HUGHES LAKE Resource Value:	403.51 5	0	0	40	0	40	Yes	Eutrophication	Non-Point	. x	ххх
Problem Descript Problem Source(s Current Actions:	tion:High <u>s):</u> NONPOIN :	ground⊮ NT	ater le	evels, Sep	otic tanks	, Urban	runoff				
MARSH CREEK RES Resource Value:	543.00 _5	0	0	375	0	375	Yes	Elevated fish tissue levels	Non-Point	_ X	ххх
Problem Descript discharge to the Problem Source(s Current Actions ty. EIR under p	tion:Fish = Delta is u s):Mt. Dia :Enforcema review for o	routine unknown. ablo Mir ent acti expansic	ely exce ne. ons unc on of re	ed mercur dérway at eservoir.	y FDA/NAS mine thro	guideli ugh Port	nes. [ er-Cold	Downstream impacts suspected but unmeasure ogne and TPCA authori	d. The significanc	e of	
DEEP SPRINGS LAKE <u>Resource Value:</u>	605.00	0	0	1	0	ĺ	Yes	Natural high salinity	Non-Point	. ×	х . х
Problem Descript Problem Source(s Current Actions:	tion: Natu s): :	ral high	salini	tγ							-
						Page ć	51			İ	

٠

.

· ·

1

•

				51	ATEWIDE W 1990 30 Effective	ATER QUA 03D List Date:	LITY AS Waters April,	SSESSMENT 5 1990	Report Da	te: 4/30/91
		<u>Wa</u>	ter Qual	Lakes ity Condit	ion					Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9
Water Body Name	<u>Hydrologic</u> Unit No.	<u>Good</u>	<u>Inter-</u> mediate	Impaired	Unknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	<u>Problem Source</u>	1 <u>1 d m s l</u>
EVANS, LAKE <u>Resource Value:</u>	801.27 N/A	0	0	42	0	42	Yes	Fish kills Sedimentation	Non-Point	. x x x x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> Fish <u>s):</u> Storm :	and d drain	uck kills draining	s 3-4 year 20 urban	s ago; min acres; non	nor alga npoint s	l growt ource r	h problems now. unoff		
GRASS VALLEY LAKE <u>Resource Value:</u>	628.20 N/A	0	0	20	0	20	Yes	Eutrophication Elevated fish tissue levels (see Mojave River)	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions	tion:Eutr s): :	ophica	tion, ele	evated fis	h tissue l	levels				
INDIAN CREEK RES	632.20	0	0	160	0	160		Eutrophication Recreational impacts	Point & Non-Point	x x x x x
Resource Value: Problem Descript Problem Source(s Current Actions:	_N/A <u>tion:</u> eutro <u>}):</u>	ophica	tion, rec	creational	impacts			۰. ۵		

,

											ļ
				ST	ATEWIDE W	ATER OUA	LITY AS	SSESSHENT			1
					Effective	Date:	April,	s 1990	Report Dai	te: 4/3	0/91
				Estuario	25	·	•			Federal 3 3 3 3 1 0 0 0	Lists 3333 011
		Wat	t <u>er Qual</u>	<u>ity Condi</u> t	ion					. 344	449
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	Good	<u>Inter-</u> mediate	Impaired	Unknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 <u>1 D M S</u>	<u>t</u>
SACRAMENTO SAN JOAQUIN DELTA	207.10	0	0	3400	0	3400	Yes	Fish population decline Elevated fish and shellfish tissue level Aquatic habitat degradation		x x	<b>x</b> - <b>x</b>
<u>Resource Value:</u>	_1										
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s):							· ·			-
SUISUN MARSH Resource Value:	207.23 1	0	0	57000	0	<b>57000</b>	Yes	Aquatic & wildlife habitat impaired	Point & Non-Point	x x	x x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> s): :									·	-
CARPINTERIA MARSH (EL ESTER MARSH) <u>Resource Value:</u>	315.34 0 2	0	0	215	0	215	Yes	Threat to wildlife populations. Potential Water Quality Limited Segment Elevated shellfish tissue levels	Non-Point	X X	x . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> Elev <u>s):</u> Runoff :_Study in	ated or from u progre	rganic l urban an ess by C	evels four d Ornament CRWQCB.	nd in fish talHorticu	andshel Iture op	llfish d peration	tissue. ns.			
ELKHORN SLOUGH , <u>Resource Value:</u>	306.00 2	0	0	2100	0	2100	Yes	Potential Water Quality Limited Segment Supports Ag return flows. Elevated shellfish tissue levels	Non-Point	хх	x . x
Problem Descrip Problem Source( Current Actions	<u>tion:</u> High <u>s):</u> Agricu :	pestic ltural	cide con return	centration flows.	ns found i	n shelli	fish ti	ssues and sediments.			
						Page (	\$3				ı İ

i i

				S1	ATEWIDE W 1990 30 Effective	ATER QUA D3D list Date:	LITY AS Waters April	SSESSMENT ; 1990	Report Da	ite :	4/30/91
						putat					
				Estuarie	S					Fede 33	ral Lists 33333
										1 0	00011
		Wa	ter Quali	ity Condit	ion					. 3	44449
	Hydrologic		Inter-			Total	Fact			1	
Water Body Name	Unit No.	<u>Good</u>	mediate	<u>lmpaired</u>	Unknown	Size	Sheet	Problem Description	Problem Source	<u>1 D</u>	M S L
ESTERO AMERICANO	0 115.30	322	0	370	0	692	Yes	SEDIMENTATION, LOW DISSOLVED OXYGEN AND HIGH AMMONIA LEVELS FROM NPS DISCHARGES		. x	x . x
Resource Value:	_2							HAVE IMPAIRED FISH AND WILDLIFE HABITAT			
Problem Descrip Problem Source(: Current Actions	tion:										
ESTERO DE SAN ANTONIO	115.40	64	0	255	0	319	Yes	SEDIMENTATION, LOW DISSOLVED OXYGEN AND HIGH AMMONIA LEVELS FROM NPS DISCHARGES HAVE IMPAIRED FISH AND WILDLIFE HABITAT		- X	X _ X
Resource Value:	_2										
Problem Descrip Problem Source(s Current Actions:	<u>tion:</u> ;;;										
MUGU LAGOON	403.11	0	0	1500	0	1500	Yes	Pesticides Elevated shellfish tissue levels	Non-Point	хх	x . x
Resource Value:	_2							Elevated fish tissue levels			
Problem Descrip	ion: Pest	icides	(DDI)- l	ocalized a	at mouth o	of Calle	quas Cr	eek			
Problem Source(s	); NONPOI	NT: His	storic au	riculture	agricultu	re drai	ns (pes	ticides), naval activities (PCB's)			
Current Actions:	Further	investi	gation o	f pesticio	de contami	nation	in trib	utaries			
			÷ · · · · · · · · ·			-		through State Mussel Watch			

۰

											1
				ST	ATEWIDE WA 1990 30 Effective	ATER QUA D3D List Date:	LITY AS Waters April	SESSMENT 1990	Report Dat	te • 4/	/30/91
						putti			Kapor e Dav		
				Estuarie	s					Federal	Lists
										1000	0 1 1
		Wa	ter Qual	ity Condit	ion					. 3 4 4	449
	<u>Hydrologic</u>		Inter-			<u>Total</u>	Fact			1	
<u>later Body Name</u>	<u>Unit No.</u>	<u>Good</u>	<u>mediate</u>	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S</u>	<u>; L</u>
TIJUANA RIVER ESTUARY	<b>911.11</b> .	0	0	150	0	150	Yes	Objectives violated Recreational impacts Elevated fish tissue levels	Point & Non-Point	хх	х.х
Resource Value:	_2										i I
COUNTS ARE GENER IS. THE SEWAGE'S Problem Source(s Current Actions LING OF THE WATE RAGENCY COMMITTE	RALLY IN EX S FRESHWATE <u>S):</u> RAW SE <u>REGIONAL</u> ER QUALITY EE TO DETER	CEEDAN R INFL WAGE D BOARD HAS AL MINE T	CE OF TH OWS ALSO ISCHARGE: ROUTINE SO BEEN HE SOLUT	E OBJECTIV CONTRIBUT S ALING WI LY SAMPLE SUPPORTED ION TO THE	YE. THE IN TE TO DECLI TH CONTRIE FOR AMBIEN BY ADDITIC FLOW PROE	NFLOWS A INES IN BUTING U NT WATER DNAL SAM BLEM.	LSO CON THE NAY RBAN RL QUALIT PLING E	NTRIBUTE URBAN RUNOFF FLOWS WHICH ARE CHAN URAL BIOTA AND NABITAT FOUND THERE. NOFF FLOWS FROM TIJUANA. Y. LONG-TERM MONITO BY THE SMW PROGRAM. REGIONAL BOARD STAFF	ACTERIZED BY HEAVY ME ACTIVELY PARTICIPATES	TAL CONC	ENTRATIO
UPPER NEWPORT BAY ECOLOGICAL RESERVE Resource Value:	801.11 2	0	0	752	0	752	Yes	Elevated shellfish tissue levels Eutrophication Sedimentation	Non-Point	ХХ	x . x
Problem Descript watershed; sed SILTATION PROBLE Problem Source(: and known agric Current Actions; ocal agenices Newport Nutrier development of	tion: _Shel imentaion b EMS. s): _Nonpoi cultural dr :Newport nt Task For WDR's for	lfish uildup nt sou ains. coordi ce nurser	bacteria in the rces inc nator po: y	l standard Upper Bay. luding urb sition; sp	ls exceeded THIS WAT Dan runoff Decial stud	d year a [ERBODY and agr dies and	round. HAS BEE icultur l cooper	Eutrophication due to nutrient discharge ENDESIGNATED A WATER QUALITY LIMITED SEGME ral runoff. Point sources are the nursery rative studies with l tailwater discharges; SMW	es in the San Diego Cu ENT BECAUSE OF THE BAG discharges	'eek :TERIA AN	2
		•	•								

Page 65

STATEWIDE WATER QUALITY ASSESSMENT 1990 303D List Waters Effective Date: April, 1990 Report Date : 4/30/91											
Estuaries Water Quality Condition										Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1 . 3 4 4 4 4 9	
<u>Water Body Name</u>	Unit No.	<u>In</u> Good me	<u>diate Im</u>	paired U	nknown	<u>iotal</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 D M S L	
AGUA HEDIONDA LAGOON	904.31	0	0	1	399	400	Yes	Elevated shellfish tissue levels Threat of objectives violated Sedimentation	Unknown	. x x . x	
Problem Description:THE WATERSHED'S MAJOR LAND USES ARE EITHERURBAN OR AGRICULTURALLY RELATED. LAND GRADING IS CAUSING LARGE INFLOWS OF S EDIMENTS DURING PERIODS OF HEAVY RAINFALL. THE OUTER BASIN HAS BEEN PERIODICALLY DREDGED, HOWEVER, THE TWO INNER BASINS NEED MAINTENANCE. Problem Source(s):CONSTRUCTION ACTIVITIES, URBAN DEVELOPMENT AND AGRICULTURE. Current Actions:RB STAFF IS CURRENTLY WORKING WITH SEVERAL AGENCIES TO DETERMINE THE SOURCES OF THE HIGH FECAL COUNTS.											
Resource Value:	_3	Ū	Ū	130	0	150	103	Metals			
<u>Problem Description:</u> Hydrologic modification, historic chlordane problems, lead and mercury <u>Problem Source(s):</u> NONPOINT: Urban runoff, Construction runoff, periodic stagnasis, hydromodification <u>Current Actions:</u> Facilitating monies for wetland enhancement-National Estuary Program (SMBRP)											
BATIQUITOS LAGOON	904.51	0	0	420	0	420	Yes	Eutrophication Fish kills Recreational impacts	Non-Point	. x x . x	
Resource Value:	_3										
<u>Problem Description:</u> POORLY FLUSHED TIDAL LAGOON. HIGH NUTRIENT LOADS RESIDE IN THE SEDIMENTS. <u>Problem Source(s):</u> AGRICULTURAL AND URBAN RUNOFF, ALSO RECYCLING OF RESIDUAL NUTRIENTS FROM THE SEDIMENTS. RESIDUAL NUTRIENTS RESULT FROM PAST MUNICIPAL WASTEWATER DISCHARGES. <u>Current Actions:</u> THE CALIFORNIA COASTAL CONSERVANCY HAS BEEN A KEY PLAYER IN ESTABLISHING AN EROSION AND ENHANCEMENT PLAN FOR THE LAGOON. ALSO A POTENTIAL MITIGATION PLAN STILL UNDER REVIEW MAY CREATE A TIDAL PRISM WITHIN THE LAGOON AND STABILIZ											
E THE LAGOON MOUTH. THE REGIONAL BOARD STAFF COORDINATES WITH THE AGENCY.											
					!						
---	---	--------------------------	---	---	-----------------	----------					
						•					
				.*							
	STATEWIDE WATER Q	WALITY AS	SSESSMENT								
	Effective Date:	April,	, 1990	Report Dat	te: 4/3	50/91					
	Estuaries				Federal 3333	Lists					
					1000	0 1 1					
Water Qua	lity Condition		-		.344	449					
<u>Hydrologic</u> Inter-	a Impoined Unknown Cir	al <u>Fact</u>	Decklow Deveciation	Deebler Source	1 1 р. и. с						
water body wante offic wo. good mediat		<u>e</u> <u>sneet</u>	FIODUR Description	Propren source	<u>10 m 3</u>	<u> </u>					
COLORADO LAGOON 405.12 0 0	13 0 1	13 Yes	High coliform counts (DHS)	Non-Point	хх	х.х					
<u>Resource Value: 3</u>			Pesticides & Lead > E95 & MIS (SMW) Elevated shellfish tissue levels								
Problem Description: Tidal exchange wi	th Long Beach Harbor, stor	rmwater ru	unoff								
Problem Source(s):NONPOINT Current Actions:	······································										
GOLETA 315.31 0 0	14 0 0 400	)0 Yes	Non-point runoff from urban development	Non-Point	x x	X X					
SLOUGH/ESTUARY			Elevated shellfish tissue levels			1					
Decement Mature 7			Elevated bacteria levels (DHS,Patwells)								
Resource Value: 5											
<u>Problem Description:</u> Elevated levels o varity of organics which may be detreme <u>Problem Source(s):</u> Urban and Agricultu	of copper in water samplesm ntal to both humans and ac ural runoff.	nay be afi quatic lin	fecting aquatic life. SMW data demonstrate fe.Elevated bacteria levels in slough wate:	ed the presence of a r may affect shellfig	sh growing	areas.					
<u>Current Actions:</u> Board is investigatin	ng the impact of non-point	source ru	unoff on the								
pacterial quartery of stough waters.			· · ·								
LOS PENASQUITOS 906.10 0 0	1 384 38	35 Yes	Recreational impacts	Point & Non-Point	. X	X . X					
LAGOON			Threat of objectives violated		1						
<u>Resource Value: 3</u>		•									
Problem Description: POORLY FLUSHED TI	DAL LAGOON. NUTRIENT SOUF	RCES CONT	INUE TO RECYCLE WITHIN THE SYSTEM ORIGINAT	ING FROM PAST AND PR	ESENT						
Problem Source(s): AGRICULTURAL AND UR	BAN RUNOFF, FREQUENT SEWER	R OVERFLO	WS, PLUS RECYCLING OF RESIDUAL NUTRIENTS F	ROM FORMER MU	1						
NICIPAL WASTEWATER DISCHARGES.			CONSERVANCY PREPARE								
D AN ENHANCEMENT PLAN FOR THE LAGOON IN	1985. THE FOUNDATION HAS	BEEN OPEN	NING THE LAGOON MOUTH PERIODICALLY IN ORDER	R TO ALLOW FOR TIDAL	EXCHANGE						
THE REGIONAL BOARD STAFF PARTICIPATES I	N A LAGOON ENHANCEMENT CON	MITTEE.P	OTW LOCATED IN THE UPPER WATERSHED IS PROP	DSING A LIVE STREAM I	DISCHARGE						
	Page	e 67									
· · ·											
					, 						

			ST	ATEWIDE W	ATER QUA D3D List	LITY AS Waters	SSESSMENT 3	Demost De	to - / (30/01
				Effective	Date:	April,	1990	Report Da	te: 4/50/91
			Estuarie	s					Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
<u>Hydrold</u> Water Body Name <u>Unit I</u>	<u>Wa</u> ogic lo. <u>Good</u>	iter Qual Inter- mediate	ity Condit Impaired	<u>ion</u> Unknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	. 3 4 4 4 4 9 1 <u>1 D M S L</u>
SAN ELIJO LAGOON 904.6 Resource Value: 3	C	0	150	180	330	Yes	Eutrophication Recreational impacts Threat of recreational impacts	Non-Point	. x x . x
Problem Description: F HE MAIN TRIBUTARY DISC Problem Source(s): F FROM FORMER MUNICIPAL Current Actions: SEVEF LAGOON, INCLUDING THE S THE REGIONAL BOARD STAF LOADING INTO THE LAGOON	POORLY FLU IARGING IN IUTRIENT S WASTEWATE AL ORGANI CAL  ISHED TID/ ITO THE L/ COURCES AF IR DISCHAF ZATIONS / LAGOON FO PATES ON	AL LAGOON. AGOON, HAS RE PREDOMI RGES. ARE CONCER DUNDATION, LAGOON MA	SEVERAL REDUCED I NANTLY AGE NED WITH N THE SAN E NAGEMENT (	MANMADE FRESHWAT RICULTUR MANAGING ELIJO LA COMMITTE	STRUCT ER INFL AL AND DIFFER GOON CO E MEETI	TURES OBSTRUCT THE LAGOON. SEVERAL RESERVE OWS. URBAN RUNOFF, PLUS THE RECYCLING OF RESIDE RENT ASPECTS OF THE DNSERVANCY, AND THE SAN ELIJO LAGOON VOLUN NGS. STAFF IS ALSO MONITORING AND EVALUAT	OIRS ON ESCONDIDO CR UAL NUTRIENTS TEERS. ING A NPS PROJECT TO	EEK, T REDUCE SEDIMENT	
SAN LORENZO 304.12 RIVER ESTUARY <u>Resource Value:</u> 3	: 0	0	2	0	2	Yes	Elevated bactería levels	Non-Point	. x x . x
Problem Description: <u>Problem Source(s):</u> Current Actions:									
SANTA MARGARITA 902.11 LAGOON <u>Resource Value:</u> 3	0	0	268	0	268	Yes	Eutrophication Recreational impacts Objectives violated	Point & Non-Point	. x x . x

<u>Problem Description:</u> POORLY FLUSHED LAGOON. THE LAGOON'S MOUTH IS CLOSED DUE TO BUILDUP OF SAND. LACK OF FLUSHING HAS CAUSED EUTROPHICATION <u>Problem Source(s):</u> AGRICULTURAL AND URBAN RUNOFF, PLUS THE DIRECT DISCHARGE OF TREATED EFFLUENT FROM CAMP PENDLETON. <u>Current Actions:</u> REGIONAL BOARD HAS ESTABLISHED AN ENFORCEABLE TIME SCHEDULE WITH THE MARINE BASE TO DISCONTINUE WASTEWATER DISCHARGES INTO THE LAGOON. CAMP PENDLETON OWNS AND MANAGES THE ESTUARY FOR PROTECTION OF ITS NATURAL RESOURCES.

~

				STAT	EWIDE WA 1990 30	TER QUA 3D List	LITY AS Waters	SESSMENT		
				Ef	fective	Date:	April,	1990	Report Da	te: 4/30/91
				Estuaries						Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Water</u> In <u>Good</u> mee	<u>Qualit</u> ter- diate I	y Conditio mpaired U	<u>n</u> Inknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	. 3 4 4 4 4 9 1 <u>1 D M S L</u>
OLD SALINAS RIVER EST Resource Value:	309.10 _4	0	0	50	<b>0</b> ·	50	Yes	Pesticide residues in fish and shellfish	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	tion:									
SAN GABRIEL RIVER (TIDAL PRISM) Resource Value:	405.15 _4	0	0	3	0	3	Yes	Elevated fish tissue levels	Point & Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	tion:_Lind <u>s):_</u> POINT: :_Negotiat	ane, Silva Industria ions for l	er, Cop al, POT better	per, Lead, W's; NONPO pretreatme	Nickel, NINT: urb nt	Arseni Dan runo	c, Chro ff	omium - All exceed E-95 levels (TSM) Re-evaluate County Sanitation District	local limits for pre	treatment
SOQUEL LAGOON Resource Value:	304.13 _4	0	0	2	0 ′	2	Yes	Bacteria and nutrient levels	Non-Point	. x x . x
Problem Descript Problem Source(s Current Actions:	<u>tion:</u> s):							_		
WATSONVILLE SLOUGH / PAJARO SLOUGH <u>Resource Value:</u>	305.10 _4	<b>,0</b>	0	150	0	<b>150</b>	Yes	Potential water quality limited segment Ag/Urban runoff entering slough Elevated fish tissue levels	Non-Point	x x x . x
Problem Descript inputs from Ag a	<u>tion:</u> Elev and Urban s	ated leve ources ar	ls of t e diffi	oxic orgar cult to co	nics.Chem Ontrol.	nicals h	ave bee	en found in aquatic life from slough. Non	-point source	-
						Page 6	9			

•

.

•

				ST	ATEWIDE W 1990 3 Effective	ATER QUA O3D List Date:	LITY AS Waters April,	SSESSMENT s 1990	Report Da	ate: 4/30/91
				Estuarie	es					Federal Lists 3 3 3 3 3 3 3 3
		Wat	ter Quali	ity Condit	ion					.344449
	Hydrologic		<u>Inter-</u>			<u>Total</u>	Fact			1
<u>Water Body Name</u>	<u>Unit No.</u>	Good	mediate	Impaired	Unknown	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 D M S L</u>
Problem Source(s	:):_Ag and	Urban	runoff							
Current Actions:	CCRWQB Mo	nitori	ing and s	sampling t	he area, p	part of	subsurf	face Ag drain study.		
FAMOSA SLOUGH Resource Value:	906.40 _5	0	0	31	0	31	Yes	Eutrophication	Non-Point	. x x . x
Problem Descript Problem Source(s LATION HAS BEEN Current Actions: TO RESOLVE THE	ion:EUTRO ):SLOUGH DISRUPTED. STAFF HAS FLOW PROBLE	PHICAT IS PRE INTER M. A	TION CAUS ESENTLY F RACTED WI PUBLIC F	SED BY LAC PRIVATELY TH THE CI AGENCY IS	K OF FRESI OWNED. A TY OF SAN BEING SOUG	H ANDSEA FLAPPER DIEGO A GHT TO P	WATER F GATE H ND THE URCHASE	FLOWS INTO THE SLOUGH WAS BEEN PLACED AT THE HEAD OF THE SLOUGH. DEVELOPER IN SEEKING THE SLOUGH.	TIDAL CIRCU	
MORO COJO SLOUGH Resource Value:	309.10 _5	0	0	150	0	150	Yes	Receives direct discharge from Ag drains	Non-Point	x x x . x
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> ):									
SALINAS LAGOON	309.10	0	100	50	0	150	Yes	Agricultural runoff from lower Salinas carrying toxic organics	Non-Point	x x x . x
Resource Value:	_N/A									
Problem Descript Problem Source(s Current Actions:	<u>ion:</u> Pestic ): Agricult	cide c tural	oncentra runoff.	itions						

.

٩

									,		
				ST	ATEWIDE W	ATER QUA	LITY AS	SSESSMENT			
					Effective	Date:	April.	> 1990	Report	Date :	4/30/91
				•	2	· putte		1770	Kepor e i	Juce .	4/20/71
				Agricult	ural Drai	ns				Fede	ral Lists
										33	33333
										10	0 0 0 1 1
		<u>₩at</u>	er Quali	ty Condit	tion					. 3	44449
	<u>Hydrologic</u>	<u>.</u>	Inter-			<u>Total</u>	<u>Fact</u>			1	
Water Body Name	<u>Unit No.</u>	Good	<u>mediate</u>	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	<u>Problem Source</u>	<u>1 D I</u>	<u>MSL</u>
IMPERIAL VALLEY DRAINS	723.10	0	0	1305	0	. 1305	Yes	Threat of objectives violated Fish kills Threat of toxic bioassay results	Non-Point	хх	x . x
Resource Value:	5										
Problem Descrip Alamo Rivers. Problem Source( Current Actions	<u>s):</u> Agricu <u>s):</u> See acti	levels Iltural ons lis	of bact (non-poi ted for	eria, sus nt source Salton Se	spended so e)discharg ea and New	olids,pes ges. 7 and Ala	sticide: amo Rive	s, and fertilizers. These drains flow to Sa ers.	alton Sea via the H	New and	
PALO VERDE OUTFALL DRAIN	715.40	°0	0	16	0	16	Yes	Bacteria objective violated Threat of toxic bioassay results Threat of sedimentation	Non-Point .	хх	X . X
Resource value:											
Problem Descrip Problem Source( Current Actions	<u>s):</u> Agricu <u>s):</u> Agricu : <u>N</u> one	ated le Iltural	vels of discharg	bacteria; jes (non-p	; high tur point sour	bidity; ces).	elevato	ed pesticide concentrations in sediment, ar	nd periodically in	water.	
BLANCO DRAIN	309.10	0	0	8	0	8	Yes	Agricultural drain.	Non-Point	хх	xx
Resource Value:	N/A	·		Ū	·	-	100	High Chloride and Nitrogen concentration Pest. in fish tissue violate FDA std.			
Problem Descrip Problem Source( Current Actions	s):							· · · · · · · · · · · · · · · · · · ·			
						٤					
						Page 7	71		,		
					•						

4

·

.

•

• •

·

				ST	ATEWIDE W 1990 30 Effective	ATER QUA 03D List Date:	LITY AS Waters April,	SSESSMENT 1990	Report	Date : 4/30/91
				Agricult	ural Drain	ns				Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	Hydrologic	<u>Wa</u>	ter Quali	ity Condit	ion	Total	Fact			. 3 4 4 4 4 9
Water Body Name	Unit No.	Good	mediate	Impaired	<u>Unknown</u>	Size	<u>Sheet</u>	Problem Description	Problem Source	<u>1 D M S L</u>
SALINAS RECLAMATION CANAL <u>Resource Value:</u>	309.20 _N/A	0	0	20	0	20	Yes	Potential water quality limited segment Suspect toxic organics in Ag. runoff Elevated fish tissue levels	Non-Point .	x x x . x

<u>Problem Description:</u><u>HIGH LEVELS OF DDT</u>, DIELDRIN, TOXAPHENE AND OTHER ORGANICS FOUND IN SMW & TSM SAMPLES. <u>Problem Source(s):</u><u>AGRICULTURAL RUNOFF</u> <u>Current Actions:</u>

•

											i	•
				ST	TATEWIDE N	JATER QUA	LITY AS	SESSMENT				
					1990 3	303D List	Water:	1000			(70.001	
					Effective	e Date:	April,	1990	Report Da	te: 4	/30/91	
•				Bays and	d Harbors	•				Federa	   Lists	
				5478 and						333	3 3 3 3	
										100	0 0 1 1 .	
		Wa	iter Qual	ity Condit	tion			·		. 3 4	4 4 4 9	
	Hydrologic	2	Inter-			<u>Total</u>	Fact			1		
Water Body Name	<u>Unit No.</u>	Good	mediate	Impaired	<u>Unknown</u>	<u>Size</u>	<u>Sheet</u>	Problem Description	Problem Source	<u>1 d m</u>	<u>S L</u>	
CARQUINEZ STRAIN	207.10	C	0	6560	0	6560	Yes	Fish population decline Elevated fish tissue levels	Point & Non-Point	хх.	. x . x ·	
Resource Value:	_1							Elevated shellfish tissue levels				
Problem Descript	tion: Poir	nt and	non-poin	t sources	of toxic	pollutar	nts mav	be contributing to decline of fish po	pulations. Department o	f Heal		÷
th Services has	issued adv	/isory	for cons	umption o	f fish.	portatu	ieb illay	be bolici ibacing to destine of their po	paractorios. Departmente o	i neut	2	
Problem Source(s	s): Point	and no	on-point					\[     \] \[				
Current Actions:	Evaluati	ion of	toxicity	from poin	nt and nor	n-point s	sources	;				
Sediment quality Francisco Bay	/ surveys							Pilot projects for determining comp	liance of water quality	objectiv	es in San	
MONTEREY BAY	309.50	76200	) 0	640	0	67840	Yes	Salinas River Mouth to Point Pinos	Point & Non-Point	хх.	. x . x	
SOUTH						·		Municipal outfalls, Urban runoff (Monterey Harbor has high lead conc.	)			
Resource Value:	_1								,			
Problem Descript	ion							· · ·				
Problem Source/	2).										•	
Furrent Actions	· · ·											
	·											
PEYTON SLOUGH	207.10	C	) 0	1	0	1	Yes	Metals exceed shallow water effluent limits.	Point	хх.	x x	
Resource Value:	_1											
Problem Descript	tion:											
Problem Source(	s):											
Current Actions	<u> </u>											
						Page	73					
								· ·				

STATEWIDE WATER QUALITY ASS 1990 303D List Waters Effective Date: April, 1	SESSMENT 1990 Report Date : 4/30/91
Bays and Harbors	Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
. Water Quality Condition	. 3 4 4 4 9
Hydrologic Inter- Total Fact	1
Water Body Name Unit No. Good mediate Impaired Unknown Size Sheet	Problem Description Problem Source 1 D M S L
RICHARDSON BAY 203.13 0 0 2560 0 2560 Yes	Eutrophication Point & Non-Point X X X . X Elevated coliform
Resource_Value:1	Urban runoff
<u>Problem Description:</u> Point and non-point sources of toxic pollutants may b <u>Problem Source(s):</u> Point and non-point <u>Current Actions:</u> Evaluation of toxicity from point and non-point sources	be contributing to decline of fish populations.
SAN DIEGO BAY 908.21 0 0 12000 0 12000 Yes Resource Value:1	Objectives violated Point & Non-Point XXX.X Elevated shellfish tissue levels Elevated fish tissue levels
<u>Problem Description:</u> SMW DATA HAS INDICATED THAT ELEVATED LEVELS OF VARIOU BEEN FOUND IN THE BAY. THE EXTENT OF THE IMPACT IS NOT KNOWN. SAN DIEGO CTY <u>Problem Source(s):</u> SEVERAL TYPES OF INDUSTRIES ARELOCATED AROUND THE BAY. UMEROUS STORMDRAINS DISCHARGE INTO THE BAY. <u>Current Actions:</u> REGIONAL BOARD STAFF IS CURRENTLY INVOLVED IN SEVERAL ELE R SAN DIEGO BAY CLEAN-UP PROJECT. THIS YEAR HAS INCLUDED SAMPLING, ANALYSI D FUNDING. STAFF ALSO SERVE ON TECHNICAL ADVISORY COMMITTEES AND NUMEROUS TIES HAVE DIRECTLY RESULTED FROM THE PROGRAM,PLUS BENEFITS TO OTHER WATERS.	IS TOXICS, ESPECIALLY FOR CERTAIN HEAVY METALS, TBT, AND PCBS HAVE . DEPT. OF HEALTH SERVICES HAS POSTED 1 PORTION OF THE BAY. . THE U.S. NAVY HAS A LARGE DEPLOYMENT IN THE BAY. N MENTS OF A FIVE-YEA S, AND MODELING EFFORTS. THE PROJECT IS HIGHLY DEPENDENT UPON THE STATE BOAR PUBLIC AGENCIES AND CITIZENS ARE INVOLVED. ENFORCEMENT AND PERMITTING ACTIVI
SAN FRANCISCO 203.12 0 0 67700 0 67700 Yes BAY, CENTRAL	Fish population decline Point & Non-Point X X X . X Elevated fish tissue levels Elevated shellfish tissue levels
Resource Value: 1	
<u>Problem Description:</u> Point and non-point sources of toxic pollutants may b stuarine and wetlands habitat. Department of Health Services has issued ad <u>Problem Source(s):</u> Point and non-point Current Actions: Evaluation of toxicity from point and non-point sources	e contributing to decline of aquatic organisms and impairment of e visories for selenium in waterfowl.
Sediment quality surveys rancisco Bay	Pilot projects for determing compliance of water quality objectives in San F

				ST	ATEWIDE W	ATER QUA 03D List	LITY AS Waters	SSESSMENT			
					Effective	Date:	April,	1990	Report Dat	:e: 4/	30/91
				Bays and	l Harbors					Federal 3 3 3 3	Lists 3 3 3
		Va	ter Qual	ity Condit	ion					3 4 4	4 4 9
	Hydrologic	<u>nu</u>	Inter-	ity conditi		Total	Fact			1	
Water Body Name	Unit No.	<u>Good</u>	mediate	<u>Impaired</u>	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	<u>1 d m s</u>	L
SAN FRANCISCO BAY, LOWER	204.10	0	0	79900	0	<b>79900</b>	Yes	Fish population decline Elevated fish tissue levels Elevated shellfish tissue levels	Point <sub>.</sub> & Non-Point	x x	x . x
Resource Value:	_1										
stuarine and we <u>Problem Source(</u> <u>Current Actions</u> Sediment quali Francisco Bay	tlands habi <u>s):  </u> Point <u>:  </u> Evaluati ty surveys	tat. I and not on of	Departmen n-point : toxicity	nt of Heal sources from poin	th Servic	es has i -point s	ssued a	a health advisory for selenium for certai Pilot projects for determining complia	n waterfowl. nce of water quality c	bjective	s in San
SAN FRANCISCO BAY, SOUTH Resource Value:	205.10 1	0	0、	24500	0	24500	Yes	Fish population decline Elevated fish tissue levels Elevated shellfish tissue levels	Point & Non-Point	X X _ X	х.х
Problem Descrip point and non-po A significant co Problem Source() Current Actions Nonpoint source	tion: Exce bint source ontribution s): point : Developm e assessmen	edance sImpai from and no ment of at prog	s of Sta rment of point so n-point s individ ram	te narrati estuarine urces is e sources ual contro	ive water e and wetl evidenced ol strateg	quality ands hab by excee ies for	criteri bitat. edences POTWs	ia for cadmium, copper, lead, nickel, sil of State narrative standards during dry Monitoring of ambient water quality ar	ver, mercury, selenium weather periods. d regulation of point	n from discharg	es
-		-				-					

Page 75

				SI	TATEWIDE V 1990 3	WATER QUA 303D List	ALITY AS t Waters	SSESSMENT S		
		·			Effective	e Date:	April,	1990	Report Da	te: 4/30/91
				Bays and	d Harbors					Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	H. I. J 2	Wa	<u>ter Qual</u>	ity Condit	tion		<b>-</b> .			.344449
Water Body Name	Unit No.	Good	<u>Inter-</u> mediate	Impaired	<u>Unknown</u>	<u>Iotal</u> Size	<u>Fact</u> Sheet	Problem Description	Problem Source	1 1 D M S L
SAN PABLO BAY	206.10 1	0	0	71300	0	71300	Yes	Fish population decline Elevated fish tissue levels Elevated shellfish tissue levels	Point & Non-Point	x x x . x
Problem Descrip ands habitat. ( Problem Source( Current Actions Sediment quali Francisco Bay	tion:Poin Department <u>s):</u> Point :Evaluation ty surveys	t and i of Hea and noi on of <sup>-</sup>	non-poin lth Serv n-point toxicity	t sources ices has i sources from poir	of toxic issued a f nt and nor	pollutar nealth ao n-point s	nts may dvisory sources	be contributing to decline of aquatic or fom for certain waterfowl. Pilot projects for determining complia	ganisms, estuarine and nce of water quality (	d wetl objectives in San
SANTA MONICA BAY (VENTURA CO.LINE TO POI <u>Resource Value:</u>	( 405.13 1	0	0	256000	0	256000	Yes	Objectives violated Elevated fish tissue levels	Point & Non-Point	x x x . x
Problem Descript Health advisory Problem Source(s POINT: historic Current Actions: 2. NPDES working	tion: _DDT/I in effect <u>}: _NONPOII</u> discharge p 1. SMBRP a with City	PCB'S - PCB'S NT: Url practic -Natic	in white s > NAS; ban runo ces (JWP) pnal Estu A, for su	croaker, ff, septic CP, Hyperi Wary Progr	occasiona tanks, h ion) reatment	al colifo nistoric	orm > DH sedimer	IS standard, metals, sediment, ht deposits; 3. RWOCB developing stormwater permitt	ing process	
4. Evaluation of	LACSD 301	(h) wai	iver app	lication	., eu cmertt			S. Andes deretoping stormater permitt	11.3 process	
SUISUN BAY Resource Value:	207.10 _1	0	0	25000	0	25000	Yes	Fish population decline Elevated fish tissue levels Elevated shellfish tissue levels	Point & Non-Point	x x x . x
Problem Descript	<u>ion:</u> Point	t and r	non-point	t sources	of toxic	pollutan	its may	be contributing to decline of aquatic or	ganisms, estuarine and	l wetl

and habitat. Department of Health Services has issued a health advisory for certain waterfowl.

Problem Source(s): \_\_Point and non-point source pollution.

.

<u>Current Actions</u>: Evaluation of toxicity from point and non-point sources. Sediment quality s

Effective Date: April, 1990   Report Date : 4/30/91     Bays and Marbors   Federal List 3 3 3 3 3 3 1 0 0 0 0 1 . 3 4 4 4 <u>Hydrologic Inter- Tatal Fact</u> Tatal Fact <u>Atter Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description</u> Problem Source 1 D H S L     Atter Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description   Problem Source 1 D H S L     Atter Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description   Problem Source 1 D H S L     Atter Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description   Problem Source 1 D H S L     Atter Body Name Unit No. Good mediate Impaired Unknown Size Sheet Problem Description: Elevated bacterial levels in shellt   1     Resource Value: 2   3200 0 3200 Yes Potential Vater Quality Limited Segment Point & Nor-Point X X X .     Problem Description: Elevated bacterial Levels found in shell-fish even when Bay waters were not in violation of BPO's.     Problem Source(S): Non-point source discharges fromcreeks, culverts, city streets, Live-on-Boards, and restaurants.     Unrent Actions: RWGB Morro Bay Becterial Study completed In 1987.     WGB EECK in 405.12   0 840 0 840 Yes Heatth advisory in effect.     Cifembor Drethed Shig Coil greese, PMF's);     Current Actions: State Mussel Watch sampling     LOS AMGELES 405.12 0 0 1260 Yes Pesticides, metals & PCB's (SKUM)					\$1	TATEWIDE WA 1990 30	ATER QUA D3D List	LITY A	SSESSMENT S			
Bays and Harbors Federal List   3 3 3 3 3 1 0 0 0 0 1   Atter Body Name Unit. No. Good mediate Impaired Unknown Size Sheet Problem Description Problem Source   10 0 0 0 0 1   Atter Body Name Unit. No. Good mediate Impaired Unknown Size Sheet Problem Description Problem Source   10 0 0 0 0 3200 0 3200 Ves Potential Water Quality United Segment Point & Non-Point X X X . Elevated bacteria Levels in shellfish   Resource Value: 2 Sedment impacting salt marsh fabitat   Problem Source(S): Non-Point Source discharges fromcreak, culverts, city streets, Live-on-Doards, and restaurants.   Current Actions: NWACB Norro Bay Bacterial Study completed in 1987.   LONG BEACH 405.12 0 0 840 0 840 Yes Health advisory in effect, PCB's > NAS Non-Point X X X .   Resource Value: 3   Problem Source(S): Non-Point Source discharges fromcreak, culverts, city streets, Live-on-Doards, and restaurants.   Current Actions: NWACB Norro Bay Bacterial Study completed in 1987.   LONG BEACH 405.12 0 0 860 0 860 Yes Health advisory in effect, PCB's > NAS Non-Point X X X .   Resource Value: 3   Problem Source(S): MONPOINT: Burseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil from berthed ships (cil, gresse, PAH's); Current Actions: State Mussel Watch sampling   LOS ANGELES 405.12 0 0 1260 Ves Pesticides, metals & PCD's (SMN) Point & Non-Point X X X . Makkom (INNER)   Resource Value: 3   Problem Source(s): MONPOINT: Burst (metals), contaninated sediments; Problem So						Effective	Date:	April,	1990	Report Da	te: 4/3	30/91
Water Quality Condition					Bays and	d Harbors					Federal 3333	Lists 333
Hydrologic     Internet formation     Internet formation     Internet formation       Jater Body Name Unit No. Good mediate Impointed Unknown     Size Sheet Problem Description     Problem Source     1D.N.S.L.       Jater Body Name Unit No. Good mediate Impointed Unknown     Size Sheet Problem Description     Problem Source     1D.N.S.L.       Jater Body Name Unit No. Good mediate Impointed Unknown     Size Sheet Problem Description     Problem Source     1D.N.S.L.       Jater Body Name Unit No. Good mediate Impointed Unknown     Size Sheet Problem Description     Problem Source     1D.N.S.L.       Jater Body Name Unit No. Good mediate Impointed Unknown     Size Sheet Problem Source     1D.N.S.L.     ID.N.S.L.       Jater Source Value: 2     0     0     3200     Yes Potential Water Quality Limited Segment Point & Non-Point X.XX.       Elevated bactrial Evols in shellfish     Sediment Impacting salt marsh fishitat     Problem Source(5): Non-Point Source discharges fromatives, city streets, Live-on-Boards, and restaurants.     Problem Source(1): Non-Point Source discharges fromatives, city streets, Live-on-Boards, and restaurants.       LONG BEACH     405.12     0     840     B40     Yes Health advisory in effect, PCB's > NAS Non-Point     X.X X.       LONG BEACH     405.12     0     126			Uat	ter Qual	lity Condit	tion					1000	011
Jater Body Name     Unit No.     Good     mediate Impaired     Uknown     Size     Sheet     Problem Description     Problem Source     IDHSL       urveys.     Pilot projects for determining compliance of water quality objectives in San Francisco Bay.     IDHSL     IDHSL       urveys.     Pilot projects for determining compliance of water quality objectives in San Francisco Bay.     IDHSL       urveys.     Pilot projects for determining compliance of water quality objectives in San Francisco Bay.     IDHSL       urveys.     Pilot projects for determining compliance of water quality objectives in San Francisco Bay.     IDHSL       descuree Value: 2     2     0     3200     9     Sediment inpacting salt marsh habitat       Problem Boscription:     Elevated bacterial levels found in shell-fish even when Bay waters were not in violation of BPO's.     Problem Source(s):     Non-Point     X X X .       Urrent Actions:     RWGOB More Bay Bacterial Study completed in 1987.     Elevated shellfish tissue levels     X X .       Resource Value: 3     Elevated shellfish tissue levels     Elevated shellfish tissue levels     X X .       Resource Value: 3     0     1260     1260     Yes Pesticides, metals & PCB's (SMU)     Point & Non-Poi		Hvdrologic	Ma	Inter-			Total	Fact			1	447
urveys. Pilot projects for determining compliance of water quality objectives in San Francisco Bay.     ADRRO BAY   310.22   0   3200   0   3200   Yes   Potential Water Quality Limited Segment   Point & Non-Point   X X X . Elevated bacteria levels in shellfish     Resource Value:   2   Sediment impacting salt marsh habitat   Sediment impacting salt marsh habitat     Problem Source(s):   Non-point source discharges fromcreeks, culverts, city streets, Live-on-Boards, and restaurants.   Current Actions: RWGCB Morro Bay Bacterial Study completed in 1987.     LONG BEACH   405.12   0   840   840   Yes   Health advisory in effect, PCB's > NAS   Non-Point   X X X X X	Water Body Name	Unit No.	Good	mediate	e Impaired	Unknown	Size	Sheet	Problem Description	Problem Source	1 D M S	L
MORRO BAY   310.22   0   3200   0   3200   Yes   Potential Water Quality Limited Segment   Point & Non-Point   X X X . Elevated bacteria levels in shellfish     Resource Value:   2   Sediment impacting salt marsh habitat     Problem Boerciption:   Elevated bacteria levels in shellfish   Sediment impacting salt marsh habitat     Problem Source(S):   Non-point source discharges fromcreeks, culverts, city streets, Live-on-Boards, and restaurants.     Current Actions:   RWAGE Morro Bay Bacterial Study completed in 1987.     LONG BEACH   405.12   0   840   Yes   Health advisory in effect, PCB's > NAS   Non-Point   X X X .     HARBOR   (INNER)   Elevated shellfish tissue levels     Problem Description:   Chordane, Lead (Queensway Bay), historic organics (PAH's, PCB's - Naval Area);   Problem Source(s): NONPOINT: Nurseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil from berthed ships (cil, presee, PAH's);   Current Actions:   State Mussel Watch sampling     LOS ANGELES   405.12   0   1260   Yes   Pesticides, metals & PCB's (SNU)   Point & Non-Point   X X X     MARBOR (INNER)   Elevated shellfish tissue levels   Elevated shellfish tissue levels   State Mussel Vatch sampling	urveys. Pilot	projects for	r dete	rmining	compliance	e of water	r qualiț	y obje	ctives in San Francisco Bay.			
Vetebolie Value:   2   Sediment impacting sait mains machine     Problem Description:   Elevated bacterail levels found in shell-fish even when Bay waters were not in violation of BPD's.     Problem Source(s):   Non-point source discharges fromcreeks, culverts, city streets, Live-on-Boards, and restaurants.     Current Actions:   NNOCB Morro Bay Bacterial Study completed in 1987.     LONG BEACH   405.12   0   840   0   840 Yes     Resource Value:   3   Elevated shellfish tissue levels     Problem Description:   Chlordane, Lead (Queensway Bay), historic organics (PAH's, PCB's - Naval Area);   Problem Source(s):     Problem Description:   Chlordane, Lead (Queensway Bay), historic organics (PAH's, PCB's - Naval Area);   Problem Source(s):     Problem Source(s):   NONPOINT:   Nurseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil     from berthed ships (oil, grease, PAH's);   Current Actions:   State Mussel Watch sampling     LOS ANGELES   405.12   0   1260   Yes Pesticides, metals & PCB's (SNW)   Point & Non-Point X X X .     MAROR (INNER)   Health advisory in effect.   Elevated shellfish tissue levels   Elevated shellfish tissue levels     Resource Value:   3   3   Problem Description: <td>MORRO BAY</td> <td>310.22</td> <td>.0</td> <td>0</td> <td>3200</td> <td>0</td> <td>3200</td> <td>Yes</td> <td>Potential Water Quality Limited Segment Elevated bacteria levels in shellfish</td> <td>Point &amp; Non-Point</td> <td>хх</td> <td>x . x</td>	MORRO BAY	310.22	.0	0	3200	0	3200	Yes	Potential Water Quality Limited Segment Elevated bacteria levels in shellfish	Point & Non-Point	хх	x . x
Problem Description:   Elevated bacterail levels found in shell-fish even when Bay waters were not in violation of BPO's.     Problem Source(s):   Non-point source discharges fromcreeks, culverts, city streets, Live-on-Boards, and restaurants.     Current Actions:   RWQCB Morro Bay Bacterial Study completed in 1987.     LONG BEACH   405.12   0   840   Yes Health advisory in effect, PCB's > NAS   Non-Point   X X X .     HARBOR (INNER)   Elevated shellfish tissue levels     Resource Value:   3     Problem Source(s):   NONPOINT: Nurseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil from berthed ships (oil, grease, PAH's);     Current Actions:   State Mussel Watch sampling     LOS ANGELES   405.12   0   1260   1260   Yes Pesticides, metals & PCB's (SNU)   Point & Non-Point X X X X	Resource Value:	2							Sediment impacting salt marsh habitat			
Elevated shellfish tissue levels     Resource Value: 3     Problem Description: Chlordane, Lead (Queensway Bay), historic organics (PAH's, PCB's - Naval Area);     Problem Source(s): NONPOINT: Nurseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil     from berthed ships (oil, grease, PAH's);     Current Actions: State Mussel Watch sampling     LOS ANGELES   405.12   0   1260   Yes Pesticides, metals & PCB's (SNW)   Point & Non-Point X X X.     HARBOR (INNER)   Health advisory in effect.   Elevated shellfish tissue levels     Resource Value: 3   Problem Description: Historic pesticide and metals problems, DDT & PCB's > NAS, poor circulation, resuspension of contaminated sediments;     Problem Source(s): NONPOINT: Boats (metals), sorm drains (metals), contaminated sediments;   Problem Source(s): NONPOINT: Boats (metals), sorm drains (metals), contaminated sediments;     Poroblem Source(s): Investigating potential source for PCB's (SCCWRP Study)   State Mussel Watch sampling	Current Actions LONG BEACH HARBOR (INNER)	:RWQCB Mor 405.12	rro Bay O	y Bacter O	rial Study 840	completed 0	in 1987 840	Yes	Health advisory in effect, PCB's > NAS	Non <sup>-</sup> Point	x x	x _ ;
Netsource Value:	Decourses Values	7							Elevated shellfish tissue levels			
Problem Description:   Chlordane, Lead (Queensway Bay), historic organics (PAH's, PCB's - Naval Area);     Problem Source(s):   NONPOINT: Nurseries (chlordane), urban runoff (Lead), accidental & deliberate release of oily water or oil     from berthed ships (oil, grease, PAH's);   Current Actions:   State Mussel Watch sampling     LOS ANGELES   405.12   0   1260   1260   Yes Pesticides, metals & PCB's (SMW)   Point & Non-Point X X X .     HARBOR (INNER)   Health advisory in effect.   Elevated shellfish tissue levels     Resource Value:   3     Problem Source(s):   NONPOINT: Boats (metals), storm drains (metals), contaminated sediments;     Problem Source(s):   NONPOINT: Boats (metals), storm drains (metals), contaminated sediments;     POINT: cooling water (Cr), unpermitted industries   Current Actions:   Investigating potential source for PCB's (SCCWRP Study)     State Mussel Watch sampling   State Mussel Watch sampling	-	"										
LOS ANGELES 405.12 0 0 1260 0 1260 Yes Pesticides, metals & PCB's (SMW) Point & Non-Point X X X . HARBOR (INNER) Resource Value: _3 Problem Description: Historic pesticide and metals problems, DDT & PCB's > NAS, poor circulation, resuspension of contaminated sediments; Problem Source(s): NONPOINT: Boats (metals), storm drains (metals), contaminated sediments; Problem Source(s):	Problem Descrip Problem Source( from berthed sh Current Actions	<u>tion:</u> Chlor <u>s):</u> NONPOIN ips (oil, gu :State Mus	rdane, NT: Num rease, ssel Wa	Lead (G rseries PAH's) atch sau	Queensway E (chlordane ; mpling	Bay), histo e), urban r	oric org runoff (	anics Lead),	(PAH's, PCB's - Naval Area); accidental & deliberate release of oily w	water or oil		
Resource Value: <u>3</u> Problem Description: Historic pesticide and metals problems, DDT & PCB's > NAS, poor circulation, resuspension of contaminated sediments; Problem Source(s): NONPOINT: Boats (metals), storm drains (metals), contaminated sediments; POINT: cooling water (Cr), unpermitted industries Current Actions: Investigating potential source for PCB's (SCCWRP Study) State Mussel Watch sampling	LOS ANGELES HARBOR (INNER)	405.12	0	0	1260	0	1260	Yes	Pesticides, metals & PCB's (SMW) Health advisory in effect. ·Elevated shellfish tissue levels	Point & Non-Point	x x	х. х
Problem Description: _Historic pesticide and metals problems, DDT & PCB's > NAS, poor circulation, resuspension of contaminated sediments; Problem Source(s): _NONPOINT: Boats (metals), storm drains (metals), contaminated sediments; POINT: cooling water (Cr), unpermitted industries <u>Current Actions: _</u> Investigating potential source for PCB's (SCCWRP Study) State Mussel Watch sampling	Resource Value:	_3										
<u>Current Actions:</u> Investigating potential source for PCB's (SCCWRP Study) State Mussel Watch sampling	Problem Descrip Problem Source( POINT: cooling	<u>tion:</u> Histo <u>s):</u> NONPOIN water(Cr),	oric po NT: Boa Unpern	esticid ats (me mitted	e and metal tals), stou industries	ls problems rm drains (	s, DDT & (metals)	PCB's	> NAS, poor circulation, resuspension of aminated sediments;	contaminated sedimen	ts;	
State Mussel Watch sampling	Current Actions	:_Investiga	ating	potentia	al source :	for PCB's (	(SCCWRP	Study)				
									State Mussel Watch sampling		4	

Page 77

				ST	ATEWIDE W 1990 3	ATER QUA 03D List	LITY AS Waters	SSESSMENT		
					Effective	Date:	April,	1990	Report Dat	te: 4/30/91
				Bays and	Harbors					Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1
	Hydrologic	Wat	<u>ter Quali</u> Inter-	ity Condit	ion	Total	Fact			.344449
Water Body Name	Unit No.	Good	mediate	<u>Impaired</u>	<u>Unknown</u>	Size	Sheet	Problem Description	Problem Source	<u>1 D M S L</u>
MISSION BAY Resource_Value:	906.40 3	0	0	1520	0	1520	Yes		Point & Non-Point	x x x . x
Problem Descrip Problem Source( Current Actions	tion: s): :									
NEWPORT BAY, LOWER	801.11	680	0	20	0	700	Yes	Elevated shellfish tissue levels Recreational impacts Eutrophication	Non-Point	x x x . x
<u>Resource Value:</u>	3									
<u>Problem Descript</u> chlorpyrifos, d toxics problems <u>Problem Source(s</u> <u>Current Actions</u> below). Miscel	tion: Bact ieldrin, en associated <u>s): Nonpoi</u> . Newport Laneous enf	erial c dosulfa with t nt sour coordin orcemer	contamina ans, hept the Rhine rces; ves nator pos nt action	ntion in t achlors a channel, sel waste sition; bo ns. The Re	he Rhine d nd PCBs. IT HAS B dischargd atyard inv gional Boa	channel. Eutroph EEN DESI es and b vestigat ard is a	SMW d ication GNATED oatyard ion; SM lso con	lata also shows elevated cadmium, lead, ars a in the lower bay is not strictly limited A WATER QUALITY LIMITED SEGMENT. I activities. WW(see contract costs a- tracting with UCI to develop a hydrodyna	enic, chlordane, DDT to Rhine channel. B amic model of the bay	ecause of the which will aid
in the developm	ent of wate	r quali	ty stand	lards.						
TOMALES BAY Resource Value:	201.11 _3	0	0	7820	0	7820	Yes	Coliform, Shellfish harvest closure.	Non-Point	x x x . x
Problem Source(s	<u>::</u> ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;									

•--

Problem Source(s): Current Actions:

.

								·		
				ST	ATEWIDE W/ 1990 30 Effective	- ATER QUA D3D List Date <sup>1</sup> :	LITY AS Waters April.	SSESSMENT 1990	Report Da	te: 4/30/9
				Bays and	Harbors		,			Federal Lis 3 3 3 3 3 3
ter Body Name	<u>Hydrologic</u> <u>Unit No.</u>	Wate Good	er Quali Inter- mediate	ity Condit Impaired	<u>ion</u> <u>Unknown</u>	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	Problem Source	1 0 0 0 0 1 . 3 4 4 4 4 1 <u>1 D M S L</u>
RINA DEL REY RBOR source Value:	405.13 4	0	0	354	0	354	Yes	Metals, pesticides Coliform exceedences Elevated shellfish tissue levels	Non-Point	x x x .
oblem Descrip oblem Source( rrent Actions	<u>tion:</u> Poor <u>s):</u> NONPOII :	circul NT: Boa	ation & ts (meta	resuspens als), Urba	ion of co n Runoff (	ntaminat (chlorda	ed sedi ne), hi	iments, TBT and metals from boat cleaning istoric agriculture contamination (DDT);	, urban runoff, birds	
NTEREY HARBOR source Value:	309.50 _4	0	0	74	0	.74	Yes	Potential water quality limited segment Shellfish objectives violated (lead) Elevated shellfish tissue levels	Point & Non-Point	x x x .
oblem Descrip oblem Source( rrent Actions	tion:Lead <u>s):</u> Lead s :Monterey	slag p lag pil Harbor	ile in 1 e on sha lead s	Bay contri ore in bac tudy compl	buting to kof harbo eted in So	therais r. eptember	ed leve , 1988.	els in the harbor sediments.		
SS LANDING RBOR source Value:	306.00 _4	0	0	400	0,	400	Yes	Potential Water Quality Limited Segment Elevated shellfish tissue levels	Non-Point	x x x .
oblem Descrip sticides and oblem Source( rrent Actions ganics.	tion: Ag r herbicides <u>s): A</u> g run : NPDES pe	eturn f associa off, bo rmits o	lows en ted with at pain n all d	tering Har n runoff. ts, andurk redging op	bor throu oan runoff oerations,	ghElkhor sedimer	n Sloug its anal	gh, Moro Cojo Slough, Old Salinas River. lyzed for metals and	High concentrations	of
			,							

1

Page 79

ŧ

			<b>Report Date : 4/30/91</b>							
			Federal Lists 3 3 3 3 3 3 3 3 1 0 0 0 0 1 1							
Water Body Name	<u>Hydrologic</u> <u>Unit No.</u>	<u>Wa</u> Good	ter Quali <u>Inter-</u> mediate	ity Condit Impaired	<u>ion</u> Unknown	<u>Total</u> <u>Size</u>	<u>Fact</u> Sheet	Problem Description	- <u>Problem Source</u>	.344449 1 <u>1 D M S L</u>
OCEANSIDE HARBON Resource Value:	902.11 _4	ں ب	0	1	209	<b>210</b>	Yes	Objectives violated Recreational impacts Elevated shellfish tissue levels	Point & Non-Point	<b>x x x . x</b>
Problem Descript Problem Source(s Current Actions:	ion:		,	đ						
HUNTINGTON HARBOUR <u>Resource Value:</u>	801.11 _N/A	0	0	150	0	150	Yes	Elevated shellfish tissue levels Threat of sedimentation	Non-Point	x x x . x

<u>Problem Description:</u> SMW data has shown elevated levels of lead, chromium, aldrin, chlordane, DDE, DDT, endrin and heptachlor. Tributaries to the harbor have been analyzed in the TSM program and have indicated that these channels carry elevated levels of DDE, DDD, lindane and heptachlor. There is also bacterial contamination possibly due to vessel waste dischares. <u>Problem Source(s):</u> Nonpoint sources, boat discharges and boatyard activities. Current Actions: Boatyard investigation; SMW

.

<u>\_</u>

5.00

2

۰.