

(D)

(C)

Hemet 8-54
Lake

229
229

1992

WQA
FIELD FORM

DATE: 8/19/92

AIR TEMP: 85° - Clear

SAMPLER(S): HHS, MMS

WATER BODY: Lake Lanier

SAMPLE LOCATION

#1: ⓐ First Parking lot Ranger Station

#2: ⓑ Last Parking - Far end of Lake

#3: ⓒ Boat Ramp

#4: _____

H₂O TEMP: #1 26.7

pH: #1 8.66

EC: #1 320 (20°)

#2 27

#2 8.90

#2 320 (20°)

#3 27.7

#3 8.99

#3 290 (20°)

#4 _____

#4 _____

#4 _____

LAB ANALYSIS: MPHS

nutrients

Total Col.

TSS

601/602

Fecal Col.

MPHS

608

Fecal Strep

COMMENTS: _____

PURPOSE

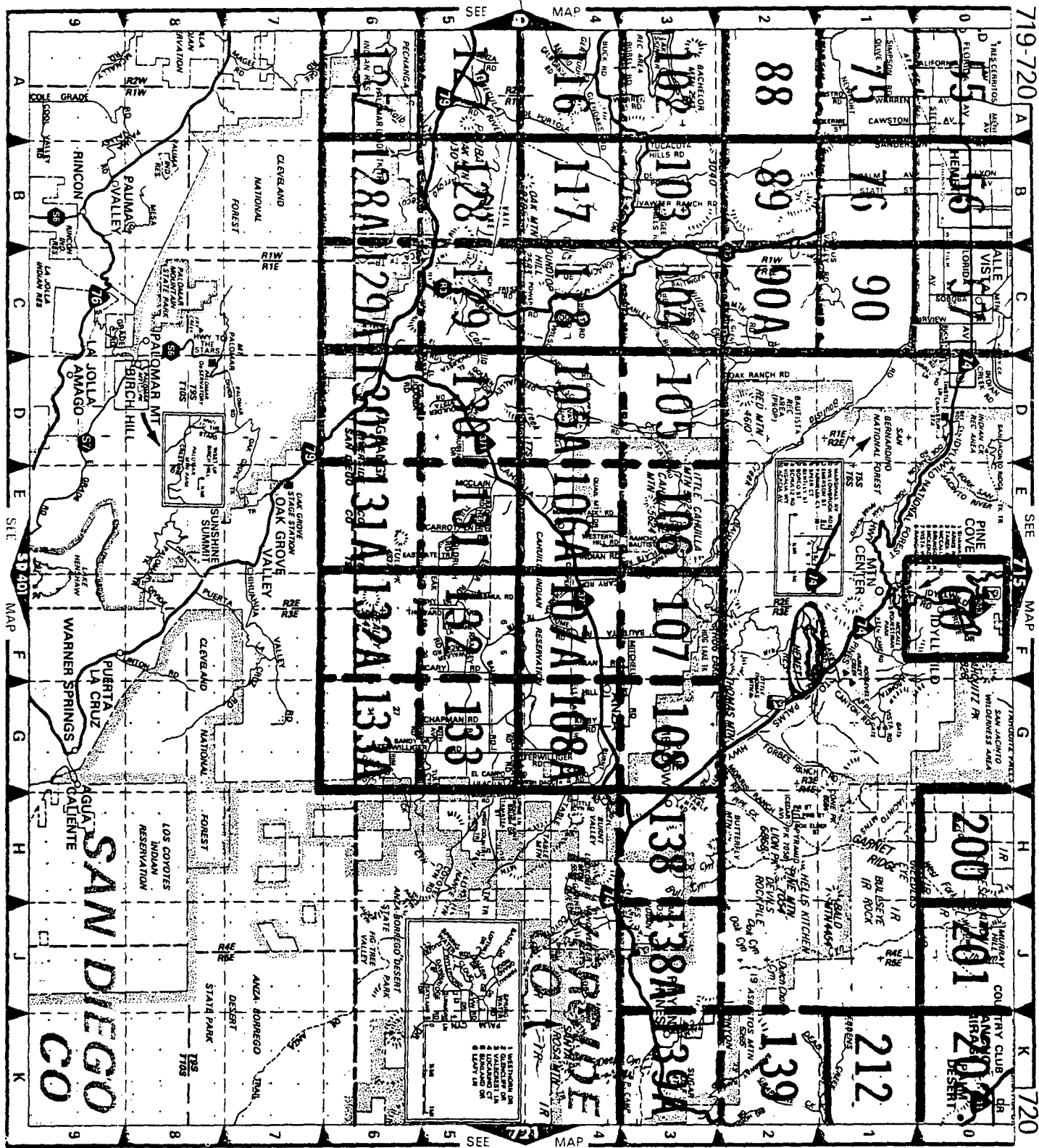
The purpose of sampling Lake Hemet was to evaluate the existing water quality conditions of the lake. Sampling was performed to evaluate whether the Basin Plan Objectives and ISWP objectives are being met and if this lake is able to fully support the designated MUN and other beneficial uses (AGR,GWR,REC-1,REC-2,WARM,COLD,WILD,SPWN). The Regional Board does not have previous data on this lake for comparison of these results.

DISCUSSION

Upon evaluating the data several constituents are not in compliance with Basin Plan Objectives. Most of the constituents are only slightly higher than the objective, these were: Sodium, Sulfate (Site 2), and TDS. Sodium and the one station where Sulfate was a problem are only about 5 mg/l higher than the objective which is not a large problem. TDS was about 40-60 mg/L higher than the objective. Total Coliform levels varied greatly between the stations. Site 3 is the lowest and in compliance with Basin Plan Objectives. Site 1 had the highest levels which were eight times higher than the objective and Site 2 levels were only two times greater than the objective. Total Nitrogen and Total Phosphate were overall higher than other lakes in the region. These increased levels could be a future problem on the water quality of this lake. All organics and pesticides measured (601/602,608) were in compliance with Inland Surface Water Plan.

Lake Hemet
8/19/92

Constituent	Method	Results			MUN
		#1	#2	#3	BP Obj.
Alkalinity	SM 403	126	126	134	
Ammonia	EPA 350.2	1	0.5	0.5	
Bicarbonates	SM403	154	154	164	
Boron	SM 200.7	0.03	0.03	0.03	0.75
Calcium	EPA 200.7	29	29	31	
Carbonates	SM 403	ND	ND	ND	
Chloride	A1000	18	18	8	20
EC	EPA 120.1	332	320	325	
Flouride	EPA 200.7	0.25	0.27	0.26	1
Iron	EPA 200.7	0.03	ND	ND	0.3
Magnesium	EPA 200.7	6.9	7.2	7.4	
Nitrate-N	B1011	0.42	0.03	ND	
pH	EPA 150.1	8.21	8.38	8.5	
Potassium	EPA 200.7	4.1	4.4	4.6	
Sodium	EPA 200.7	29	29	30	25
Sulfate	A1000	7	15	8	10
Tl. Anions	Calc.	3.21	3.33	3.39	
Tl. Cations	Calc.	3.38	3.41	3.58	
TDS	EPA 160.1	172	192	194	135
Tl. Hardness	Calc.	101	102	108	
Tl. Phosphate	EPA 365.2	0.46	0.36	0.32	
Ammonia-N	EPA 350.2	1	0.5	0.5	0.025
Kjeldahl-N	EPA 351.3	1.4	1.8	2.4	
Nitrate-N	B1011	0.42	0.03	ND	10
Nitrite-N	B1011	ND	0.07	ND	
Organic-N	Calc.	0.4	1.3	1.9	
Tl. Nitrogen	EPA 350.2	1.8	1.9	2.4	
Ortho-phos	EPA 365.2	0.15	0.15	0.18	
Tl. Phos	EPA 365.2	0.46	0.36	0.32	
MBAS	EPA 425.1	ND	ND	ND	0.5
Tl. Coliform		800	240	21	100
Fec. Coliform		<2	<2	<2	
Fecal Strep		<2	<2	<2	
TSS		202	204	45	
608,601/602		ND	ND	ND	
Temp.		26.7	27	27.7	
pH		8.66	8.8	8.99	
EC		330	320	290	



719-720 A B C D E F G H J K 720

A B C D E F G H K

SAN DIEGO CO

RIVERSIDE CO

8/19/92

Lake Henet #1

Weather 85° clear

EC 330

1125

temp (29) 26.7

pH 8.66

Lake Henet #2

1145

EC 330

temp 27.0 (29)

pH 8.80

Lake Henet #3 @ Boat Ramp 1235

EC 390

temp 27.7 (30)

pH 8.99

Draft

PURPOSE

The purpose of sampling Lake Hemet was to evaluate the existing water quality conditions of the lake. Sampling was performed to evaluate whether the Basin Plan Objectives and ISWP objectives are being met and if this lake is able to fully support the designated MUN and other beneficial uses (AGR, GWR, REC-1, REC-2, WARM, COLD, WILD, SPWN). The Regional Board does not have previous data on this lake for comparison to these results.

of

DISCUSSION

Upon evaluating the data several constituents are not in compliance with Basin Plan Objectives. Most of the constituents are only slightly higher than the objective, these were: Sodium, Sulfate (Site 2), and TDS. Sodium and the one station where Sulfate was a problem are only about 5 mg/l higher than the objective which is not a large problem. TDS was about 40-60 mg/L higher than the objective. Total Coliform levels varied greatly between the stations. Site 3 is the lowest and in compliance with Basin Plan Objectives. Site 1 had the highest levels which were eight times higher than the objective and Site 2 levels were only two times greater than the objective. All organics and pesticides measured (601/602, 608) were in compliance with Inland Surface Water Plan.

I don't all where NA was exceeded.

hope NA was not exceeded
but much - highlighted in pink
the objective was 25 - since the
results are not that much higher
NA is being exceeded

Total Nitrogen and T-Phosphate seem to be a little high compared to the other lakes we looked at - even Canyon Lake. It would be good if this may be a problem (future problem)?

- some for bicarbonate

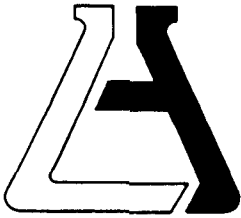
What is the source of HCO in Hemet (I forget)
I think it is Colorado River water.

yes

Draft

Lake Hemet
8/19/92

Constituent	Method	Results			MUN
		#1	#2	#3	BP Obj.
Alkalinity	SM 403	126	126	134	
Ammonia	EPA 350.2	1	0.5	0.5	
<u>Bicarbonates</u>	SM403	154	154	164	
Boron	SM 200.7	0.03	0.03	0.03	0.75
Calcium	EPA 200.7	29	29	31	
Carbonates	SM 403	ND	ND	ND	
Chloride	A1000	18	18	8	20
EC	EPA 120.1	332	320	325	
Flouride	EPA 200.7	0.25	0.27	0.26	1
Iron	EPA 200.7	0.03	ND	ND	0.3
Magnesium	EPA 200.7	6.9	7.2	7.4	
Nitrate-N	B1011	0.42	0.03	ND	
pH	EPA 150.1	8.21	8.38	8.5	
Potassium	EPA 200.7	4.1	4.4	4.6	
Sodium	EPA 200.7	29	29	30	25
Sulfate	A1000	7	<u>15</u>	8	10
Tl. Anions	Calc.	3.21	3.33	3.39	
Tl. Cations	Calc.	3.38	3.41	3.58	
TDS	EPA 160.1	<u>172</u>	<u>192</u>	<u>194</u>	135
Tl. Hardness	Calc.	101	102	108	
Tl. Phosphate	EPA 365.2	0.46	0.36	0.32	
Ammonia-N	EPA 350.2	1	0.5	0.5	0.025
Kjeldahl-N	EPA 351.3	1.4	1.8	2.4	
Nitrate-N	B1011	0.42	0.03	ND	10
Nitrite-N	B1011	ND	0.07	ND	
Organic-N	Calc.	0.4	1.3	1.9	
Tl. Nitrogen	EPA 350.2	1.8	1.9	2.4	
Ortho-phos	EPA 365.2	0.15	0.15	0.18	
Tl. Phos	EPA 365.2	0.46	0.36	0.32	
MBAS	EPA 425.1	ND	ND	ND	0.5
Tl. Coliform		<u>800</u>	<u>240</u>	21	100
Fec. Coliform		<2	<2	<2	
Fecal Strep		<2	<2	<2	
TSS		202	204	45	
608,601/602		ND	ND	ND	
Temp.		26.7	27	27.7	
pH		8.66	8.8	8.99	
EC		330	320	290	



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92668 - 714/771-6900

FAX 714/538-1209

CLIENT

California Regional Water
Quality Control Board
Attn: Nancy Martin
2010 Iowa Ave. Suite 100
Riverside, CA 92507

(1079) LAB NO. G36304-04
REPORTED 09/10/92

SAMPLE

Wastewater - H.S.

RECEIVED 08/20/92

IDENTIFICATION

Hemet Lake #1 - Water Quality Assessment
Date Collected 08/19/92 @ 1125 Hrs.
As Submitted

BASED ON SAMPLE

STANDARD MINERAL ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Alkalinity	SM 403	126 mg/l
Ammonia	EPA 350.2	1.0 mg/l
Bicarbonates	SM 403	154 mg/l
Boron	SM 200.7	0.03 mg/l
Calcium	EPA 200.7	29 mg/l
Carbonates	SM 403	ND <1 mg/l
Chloride	A1000	18 mg/l
Electrical Conductivity	EPA 120.1	332 μ mhos/cm
Fluoride	EPA 200.7	0.25 mg/l
Iron	EPA 200.7	0.03 mg/l
Magnesium	EPA 200.7	6.9 mg/l
Nitrate Nitrogen	B1011	0.42 mg/l
pH	EPA 150.1	8.21
Potassium	EPA 200.7	4.1 mg/l
Sodium	EPA 200.7	29 mg/l
Sulfate	A1000	7 mg/l
Total Anions	Calculated	3.21 meq/l
Total Cations	Calcutated	3.38 meq/l
Total Dissolved Solids	EPA 160.1	172 mg/l
Total Hardness	Calculation	101 mg/l
Total Phosphate	EPA 365.2	0.46 mg/l

Continued on Page 2

SAWPA DES



001004928

TESTING & CONSULTING

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Client : California Regional Water
Quality Control Board
Lab No. : G36304-04

COMBINED NUTRIENT ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Ammonia Nitrogen	EPA 350.2	1.0 mg/l
Kjeldahl Nitrogen	EPA 351.3	1.4 mg/l
Nitrate Nitrogen	B1011	0.42 mg/l
Nitrite Nitrogen	B1011	ND <0.02 mg/l
Organic Nitrogen	Calculation	0.4 mg/l
Total Nitrogen	EPA 350.2	1.8 mg/l
Orthophosphate Phosphorus	EPA 365.2	0.15 mg/l
Total Phosphorus	EPA 365.2	0.46 mg/l

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
MBAS	EPA 425.1	ND <0.05 mg/l
Total Suspended Solids	EPA 160.2	202 mg/l
Total Coliform		800 MPN/100mls
Fecal Coliform		<2 MPN/100mls
Fecal Strep.		<2 MPN/100mls

PESTICIDES & PCBs EPA 608

All Compounds Were None Detected. See Attached List.


PURGEABLE ORGANICS EPA 601

All Compounds Were None Detected. See Attached List.

PURGEABLE AROMATICS EPA 602

All Compounds Were None Detected. See Attached List.

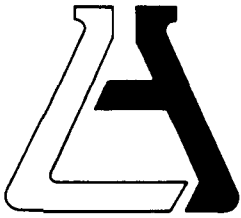
ASSOCIATED LABORATORIES: by:


Robert A. Webber
Vice President



RAW/jaw





ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92668 - 714/771-6900

FAX 714/538-1209

CLIENT

California Regional Water
Quality Control Board
Attn: Nancy Martin
2010 Iowa Ave. Suite 100
Riverside, CA 92507

(1079) LAB NO. G36304-05
REPORTED 09/10/92

SAMPLE

Wastewater - H.S.

RECEIVED 08/20/92

IDENTIFICATION

Hemet Lake #2 - Water Quality Assessment
Date Collected 08/19/92 @ 1145 Hrs.
As Submitted

BASED ON SAMPLE

STANDARD MINERAL ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Alkalinity	SM 403	126 mg/l
Ammonia	EPA 350.2	0.5 mg/l
Bicarbonates	SM 403	154 mg/l
Boron	SM 200.7	0.03 mg/l
Calcium	EPA 200.7	29 mg/l
Carbonates	SM 403	ND <1 mg/l
Chloride	A1000	18 mg/l
Electrical Conductivity	EPA 120.1	320 μ mhos/cm
Fluoride	EPA 200.7	0.27 mg/l
Iron	EPA 200.7	ND <0.007 mg/l
Magnesium	EPA 200.7	7.2 mg/l
Nitrate Nitrogen	B1011	0.03 mg/l
pH	EPA 150.1	8.38
Potassium	EPA 200.7	4.4 mg/l
Sodium	EPA 200.7	29 mg/l
Sulfate	A1000	15 mg/l
Total Anions	Calculated	3.33 meq/l
Total Cations	Calculated	3.41 meq/l
Total Dissolved Solids	EPA 160.1	192 mg/l
Total Hardness	Calculation	102 mg/l
Total Phosphate	EPA 365.2	0.36 mg/l

Continued on Page 2

SAWPA DES



001004930

TESTING & CONSULTING

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Client : California Regional Water
Quality Control Board
Lab No. : G36304-05

COMBINED NUTRIENT ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Ammonia Nitrogen	EPA 350.2	0.5 mg/l
Kjeldahl Nitrogen	EPA 351.3	1.8 mg/l
Nitrate Nitrogen	B1011	0.03 mg/l
Nitrite Nitrogen	B1011	0.07 mg/l
Organic Nitrogen	Calculation	1.3 mg/l
Total Nitrogen	EPA 350.2	1.9 mg/l
Orthophosphate Phosphorus	EPA 365.2	0.15 mg/l
Total Phosphorus	EPA 365.2	0.36 mg/l

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
MBAS	EPA 425.1	ND <0.05 mg/l
Total Suspended Solids	EPA 160.2	204 mg/l
Total Coliform		240 MPN/100mls
Fecal Coliform		<2 MPN/100mls
Fecal Strep.		<2 MPN/100mls

PESTICIDES & PCBs EPA 608

All Compounds Were None Detected. See Attached List.

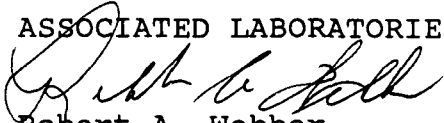
PURGEABLE ORGANICS EPA 601

All Compounds Were None Detected. See Attached List.

PURGEABLE AROMATICS EPA 602

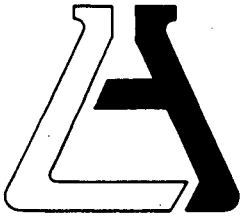
All Compounds Were None Detected. See Attached List.

ASSOCIATED LABORATORIES: by:


Robert A. Webber
Vice President

RAW/jaw





ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92668 - 714/771-6900

FAX 714/538-1209

CLIENT

California Regional Water
Quality Control Board
Attn: Nancy Martin
2010 Iowa Ave. Suite 100
Riverside, CA 92507

(1079)

LAB NO.

G36304-06

REPORTED

09/10/92

SAMPLE

Wastewater - H.S.

RECEIVED

08/20/92

IDENTIFICATION

Hemet Lake #3 - Water Quality Assessment

Date Collected 08/19/92 @ 1235 Hrs.

As Submitted

BASED ON SAMPLE

STANDARD MINERAL ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Alkalinity	SM 403	134 mg/l
Ammonia	EPA 350.2	0.5 mg/l
Bicarbonates	SM 403	164 mg/l
Boron	SM 200.7	0.03 mg/l
Calcium	EPA 200.7	31 mg/l
Carbonates	SM 403	ND <1 mg/l
Chloride	A1000	8 mg/l
Electrical Conductivity	EPA 120.1	325 μ hos/cm
Fluoride	EPA 200.7	0.26 mg/l
Iron	EPA 200.7	ND <0.007 mg/l
Magnesium	EPA 200.7	7.4 mg/l
Nitrate Nitrogen	B1011	ND <0.02 mg/l
pH	EPA 150.1	8.50
Potassium	EPA 200.7	4.6 mg/l
Sodium	EPA 200.7	30 mg/l
Sulfate	A1000	8 mg/l
Total Anions	Calculated	3.39 meq/l
Total Cations	Calculated	3.58 meq/l
Total Dissolved Solids	EPA 160.1	194 mg/l
Total Hardness	Calculation	108 mg/l
Total Phosphate	EPA 365.2	0.32 mg/l

Continued on Page 2

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Environmental •

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Client : California Regional Water
Quality Control Board
Lab No. : G36304-06

COMBINED NUTRIENT ANALYSIS

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
Ammonia Nitrogen	EPA 350.2	0.5 mg/l
Kjeldahl Nitrogen	EPA 351.3	2.4 mg/l
Nitrate Nitrogen	B1011	ND <0.02 mg/l
Nitrite Nitrogen	B1011	ND <0.02 mg/l
Organic Nitrogen	Calculation	1.9 mg/l
Total Nitrogen	EPA 350.2	2.4 mg/l
Orthophosphate Phosphorus	EPA 365.2	0.18 mg/l
Total Phosphorus	EPA 365.2	0.32 mg/l

<u>Constituent</u>	<u>Method</u>	<u>Results</u>
MBAS	EPA 425.1	ND <0.05 mg/l
Total Suspended Solids	EPA 160.2	45 mg/l
Total Coliform		21 MPN/100mls
Fecal Coliform		<2 MPN/100mls
Fecal Strep.		<2 MPN/100mls

PESTICIDES & PCBs EPA 608

All Compounds Were None Detected. See Attached List.

PURGEABLE ORGANICS EPA 601

All Compounds Were None Detected. See Attached List.

PURGEABLE AROMATICS EPA 602

All Compounds Were None Detected. See Attached List.

ASSOCIATED LABORATORIES: by:



Robert A. Webber
Vice President

RAW/jaw



Client : California Regional Water
Quality Control Board
Lab No.: G36304

PURGEABLE ORGANICS - EPA METHOD 601

LIMITS OF DETECTION
($\mu\text{g/l}$)

Chloromethane	ND <1.0
Bromomethane	ND <1.0
Dichlorodifluoromethane	ND <2.0
Vinyl chloride	ND <1.0
Chloroethane	ND <2.5
Methylene chloride	ND <1.0
Trichlorofluoromethane	ND <0.5
1,1-Dichloroethene	ND <0.8
1,1-Dichloroethane	ND <0.8
trans-1,2-Dichloroethene	ND <0.8
Chloroform	ND <0.5
1,2-Dichloroethane	ND <0.5
1,1,1-Trichloroethane	ND <0.5
Carbon tetrachloride	ND <0.7
Bromodichloromethane	ND <0.5
1,2-Dichloropropane	ND <0.5
trans-1,3-Dichloropropene	ND <1.5
Trichloroethene	ND <0.6
Dibromochloromethane	ND <0.5
1,1,2-Trichloroethane	ND <0.5
cis-1,3-Dichloropropene	ND <1.5
2-Chloroethylvinyl ether	ND <0.7
Bromoform	ND <0.5
1,1,2,2-Tetrachloroethane	ND <1.0
Tetrachloroethene	ND <0.5
Chlorobenzene	ND <1.0
1,3-Dichlorobenzene	ND <2.0
1,2-Dichlorobenzene	ND <1.0
1,4-Dichlorobenzene	ND <1.0

EPA METHOD 602

LIMITS OF DETECTION

Benzene	ND <0.5
Chlorobenzene	ND <1.0
1,2-Dichlorobenzene	ND <1.0
1,3-Dichlorobenzene	ND <2.0
1,4-Dichlorobenzene	ND <1.0
Ethylbenzene	ND <1.0
Toluene	ND <1.0
Total Xylenes	ND <2.0

SAWPA DES



001004934



Client : California Regional Water
Quality Control Board
Lab No.: G36304

EPA METHOD 608

LIMITS OF DETECTION
(micrograms/liter)

Aldrin	0.01
c - BHC	0.01
Chlordane	0.1
DDD	0.04
DDE	0.02
DDT	0.04
Dieldrin	0.02
Endrin	0.02
Toxaphene	0.1
Heptachlor	0.01
Heptachlor Epoxide	0.01
Methoxychlor	0.1
PCB 1232	0.1
PCB 1242	0.1
PCB 1254	0.1
PCB 1260	0.1
PCB 1016	0.1
PCB 1221	0.1
PCB 1248	0.1
b - BHC	0.02
a - BHC	0.01
d - BHC	0.02
Endosulfan I	0.05
Endosulfan II	0.1
Endosulfan Sulfate	0.1



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

STA ANA REGION

1000 KOWA AVENUE, SUITE 100

IRVINE, CA 92614-2409

TEL: (714) 782-4130



CHAIN OF CUSTODY RECORD

Date 8/19/92 Page 1 of 2

LABORATORY ASSOCIATED	PROJECT MANAGER HOPE SMYTHE
FUNCTION PLANNING	PHONE NUMBER 732-4493
PROJECT NAME WATER QUALITY ASSESSMENT	SAMPLERS: (Signature) <i>Michelle Staugherddy</i>

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER		AIR			
				Comp.	Grab.				
	Fulmor Lake #1	8/19	0945		✓			7	Minerals, TSS, MBDS, Nutrients, Col/602, 609, Total Coliform, Fecal coli, Fecal Strept
2	Fulmor Lake #2	8/19	1000		✓			7	"
3	Fulmor Lake #3	8/19	1010		✓			7	"
4	Hemet Lake #1	8/19	1125		✓			7	"
5	Hemet Lake #2	8/19	1145		✓			7	"

Released by: (Signature) <i>Michelle Staugherddy</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 8/20/92 1050
Released by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 8/20/92 1430
Released by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time

Released by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time
Method of Shipment:			

Special Instructions:	TASK CODE
ESTIMATED COST	



LABORATORY	ASSOCIATED	PROJECT MANAGER	HOPE SMYTHE
FUNCTION	PLANNING	PHONE NUMBER	782-4493
PROJECT NAME	WATER QUALITY ASSESSMENT		
		SAMPLERS: (Signature)	<i>Michael Straughness</i>

SAMPLE NUMBER	LOCATION DESCRIPTION	DATE	TIME	SAMPLE TYPE			SOLID	NO. OF CNTNRS	TESTS REQUIRED
				WATER		AIR			
				Comp.	Grab.				
1	Hemet Lake #3	8/19	1235		✓			7	Minerals, TSS, MBAS, Nutrients COD/COD _M , CO ₂ , Total Coliform Fecal coli, Fecal Strept

Released by: (Signature) <i>Michael Straughness</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 8/20/92 10:50
Released by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 8/20/92 1:30
Released by: (Signature)	Received by Mobile Laboratory for field analysis: (Signature)	Date/Time

Released by: (Signature)	Date/Time	Received for Laboratory by:	Date/Time
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Method of Shipment:

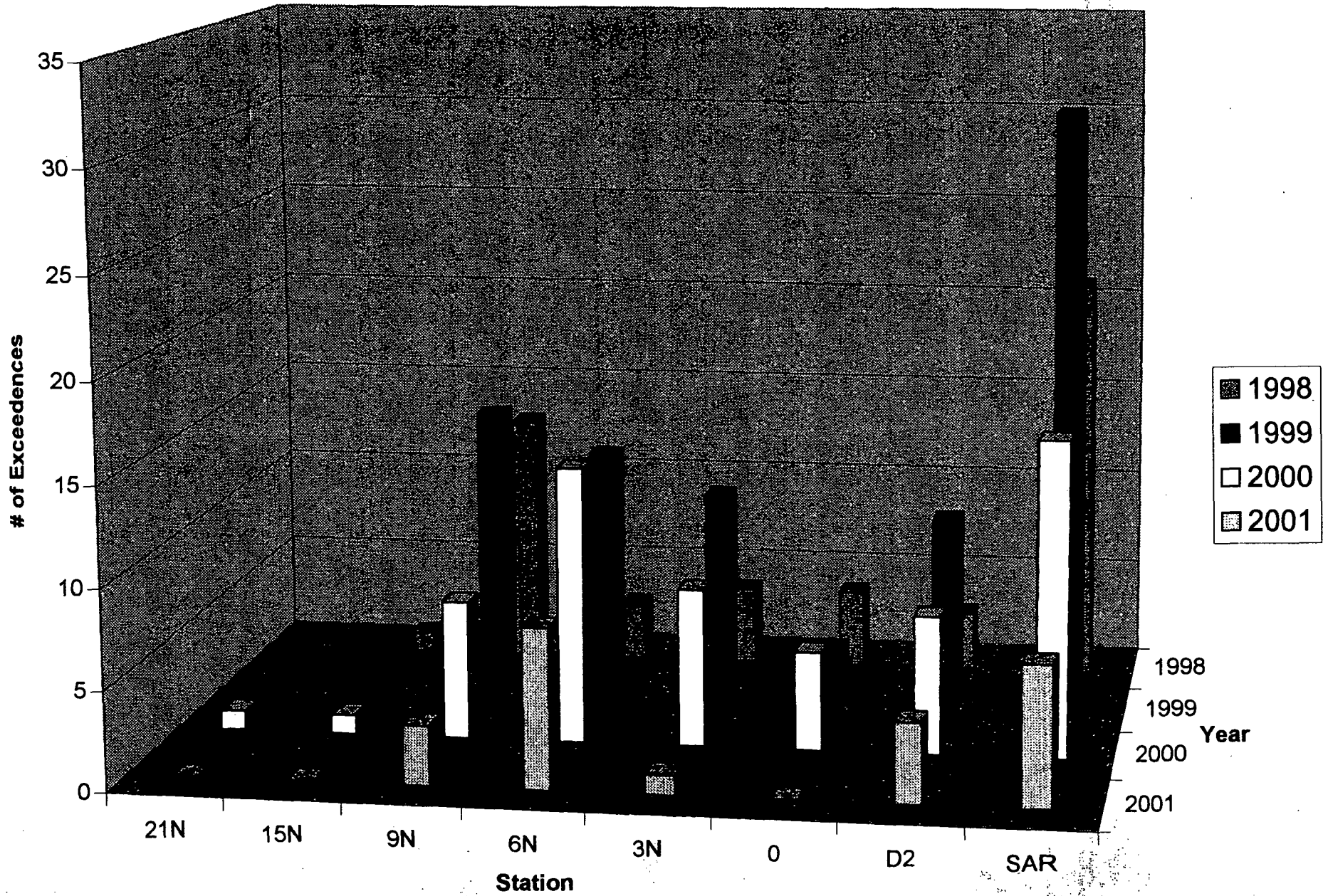
Special Instructions:

TASK CODE

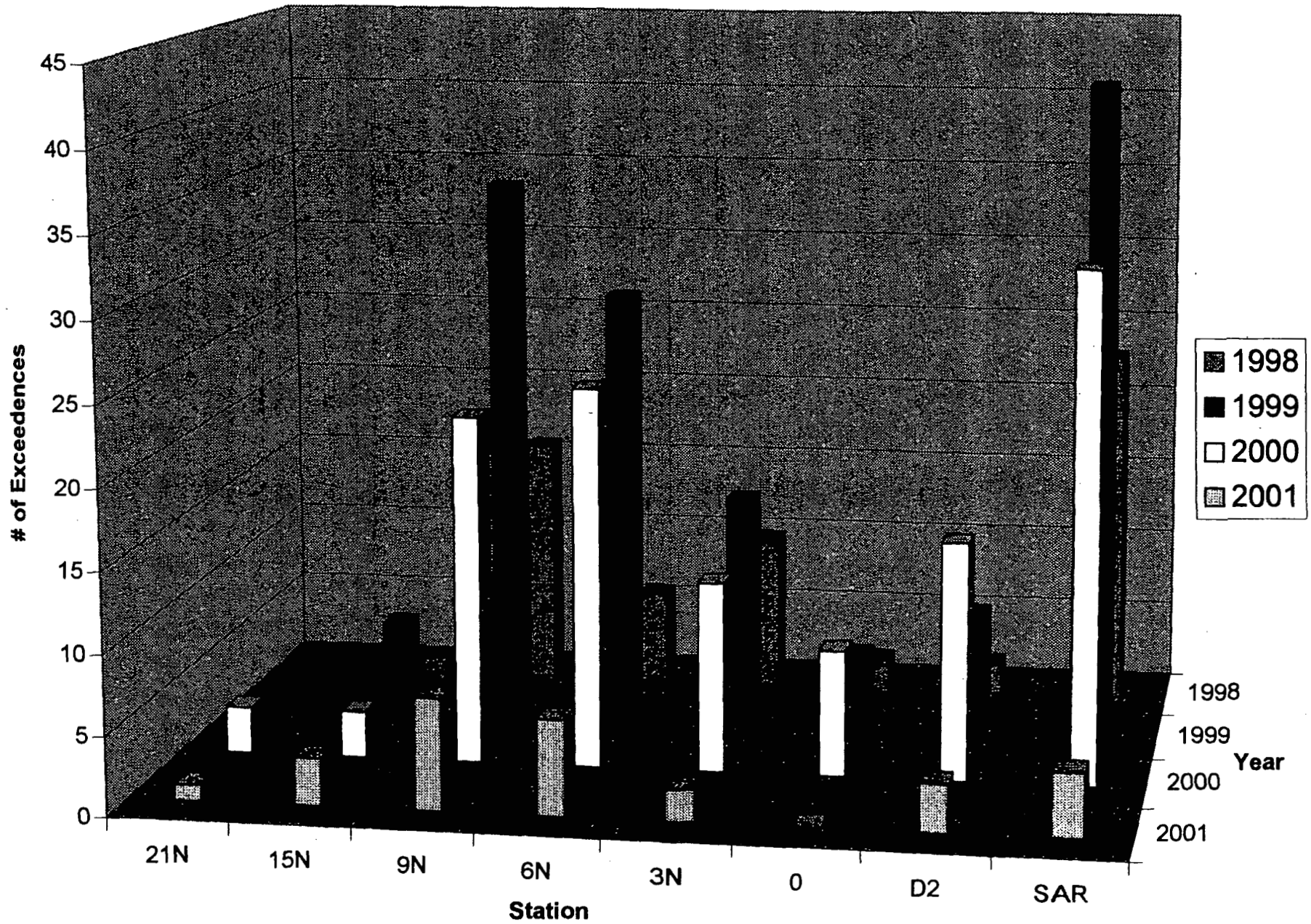
ESTIMATED COST

8-55
Huntington Beach
pier

Fecal Coliform Exceedences (>400) by Year



Enterococci Exceedences (>104) by Year



Thousands of feet north of SAR

0 3 6 9 12 15

TC (Total coliform)		OK				Scenario 1: Box 17
FC (Fecal coliform)		V				
Ent (Enterococcus)		V				
Posting		↔	(+/- 500')			

TC	OK		OK			Scenario 2: Box 22 (2), 24
FC	V		V			
Ent	V		V			
Posting	← 2N		→ 7N		(1000' buffer at endpoints)	
	↔					

TC		OK		OK		Scenario 3: Box 22(1), 24
FC		V		OK		
Ent		V		V		
Posting	← (-1000' from 6N)		→ 12.5N		(+500' from 12N)	
	↔					

TC	OK		OK			Scenario 4: Box 23
FC	V		OK			
Ent	V		V			
Posting	↔ (+/- 500')		↔ (+/- 150')			
	↔					

Blank= no violations; OK=no single sample standard violation; V=violation of single sample standard

Mercury Data

Receiving Water Body	Parameter Name	Number of times above std.	Standard	Source of Standard
Seal Beach ^{white} Croaker	Mercury	1 0 / 3	$0.37 \times 10^3 \mu\text{g/g}$	MTRL'S For Carcinogens in Ocean Waters
		0 / 3	0.5 $\mu\text{g/g}$	NAS
		0 / 3	1 $\mu\text{g/g}$	FDA
Seal Beach ^{yellow} fin Croaker	Mercury	1 2 / 2	$0.37 \times 10^3 \mu\text{g/g}$	MTRL'S
		0 / 2	0.5 $\mu\text{g/g}$	NAS
		0 / 2	1 $\mu\text{g/g}$	FDA
Huntington Beach	Mercury	1 0 / 1	$0.00037 \mu\text{g/g}$	MTRL'S
yellowfin Croaker		0 / 1	0.5 $\mu\text{g/g}$	NAS
		0 / 1	1 $\mu\text{g/g}$	FDA
Hunt Beach ^{Barrel} Surfperch	"	1 0 / 1	$0.00037 \mu\text{g/g}$	MTRL
		0 / 1	0.5 $\mu\text{g/g}$	NAS
		0 / 1	1 $\mu\text{g/g}$	FDA
" ^{Shiner} Surfperch	"	1 0 / 1	$0.00037 \mu\text{g/g}$	MTRL
		0 / 1	0.5 $\mu\text{g/g}$	NAS
		0 / 1	1 $\mu\text{g/g}$	FDA

Receiving Water Body	Parameter Name	Number of times above std.	Standard	Source of Standard
Seal Beach ^{white} creeks	Endosulfan Endosulfan	0/3	64.8 mg/kg	MTRL
	Endosulfan	0/3	0.1 ug/y	NAS
	Endosulfan	—	—	FDA
Seal Beach ^{Yellowfin} creeks	Endosulfan	0/2	64.8 mg/kg	MTRL
	Endosulfan	0/2	0.1 ug/y	NAS
	Endosulfan	—	—	FDA
Huntington Beach Pier (Yellowfin Creeks)	Endosulfan	0/1	64.8 mg/kg	MTRL
	Endosulfan	0/1	0.1 ug/y	NAS
	Endosulfan	—	—	FDA
Huntington Beach XXXX (Year 1 - Barred Surf perch)	Endosulfan	0/1	64.8 mg/kg	MTRL
	Endosulfan	0/1	0.1 ug/y	NAS
	Endosulfan	—	—	FDA
Huntington Beach (Year 2 - Ashiner Surf perch)	Endosulfan	0/1	64.8 mg/kg	MTRL
	Endosulfan	0/1	0.1 ug/y	NAS
	Endosulfan	0/1	—	FDA

Receiving Water Body	Parameter Name	Number of times above std.	Standard	Source of Standard	
Anaheim Bay	Diamond Turbot	ddepp-W($\frac{ng}{g}$)	0 / 1	32.0 $\mu g / kg$	MTRL's in enclosed bays
	Black Surfperch		0 / 1		
	Shiner Surfperch		1 / 1		
	Yellow Croaker		1 / 1		
✓ Esther Oil Platform	Black Surfperch		1 / 1		
	Kelp Bass		1 / 1		
✓ Huntington Beach Pier	Yellowfin Croaker		1 / 1		
✓ Huntington Beach	Barred Surfperch		0 / 1		
	Shiner Surfperch		1 / 1		
Newport Beach	Walleye Surfperch		1 / 1		
	Barred Surfperch		1 / 2		
	California Corbina		0 / 1		
	Shiner Surfperch		1 / 1		
	White Croaker		1 / 1		
Newport Pier	Spotted Turbot		0 / 1		
	Barred Surfperch		1 / 2		
	California Corbina		0 / 1		

Receiving Water Body	Parameter Name	Number of times above std.	Standard	Source of Standard
Newport Pier	Yellowfin Croaker	0/1	32.0 ug/kg	MTRL's in enclosed bags
	White Croaker	1/1		
Balboa Pier	Walleye Surfperch	1/1		
	Diamond Turbot	0/2		
	Banded Surfperch	1/1		
Newport Jetty	Spotted Scorpionfish	0/1		
	Spotted Turbot	0/2		
	Black Surfperch	0/1		
	Shiner Surfperch	1/1		
Newport Bay Above PCH Bridge	Diamond Turbot	0/1		
	Shiner Surfperch	2/2		
	Spotted Turbot	1/1		
	Yellowfin Croaker	1/1		
Emma Oil Platform	Black Surfperch	1/1		
	Kelp Bass	1/1		
Seal Beach	White Croaker	0/1		
	Yellowfin Croaker	0/2		

