

Beach closures



Ocean Water Quality in San Diego County - Information for Lifeguards and the Public-



WHY ARE WATER SAMPLES COLLECTED AT THE BEACH?

Water samples are collected to determine if recreational waters are contaminated. If test results show that levels of bacteria are above State standards, the beach will be posted with warning signs to protect the health of the public. When further sampling confirms that bacteria levels have dropped below State standards, the beach will be reopened (warning signs will be removed).

WHAT ARE THE HEALTH RISKS FROM EXPOSURE TO CONTAMINATED WATER?

Contaminated water may contain bacteria, viruses, and other organisms which can cause flu-like illnesses, resulting in vomiting, fever or diarrhea, as well as skin rashes and sinus or ear infections.

HOW DO LEVELS OF BACTERIA BECOME ELEVATED AT THE BEACH?

Elevated bacteria levels can result from natural sources, stormwater pollution and sewage spills. Sewage contaminated water poses the greatest health risk.

Stormwater Pollution: Beaches and other recreational waters commonly become polluted from stormwater pollution. This occurs when rain and other sources of runoff transport pollutants (animal wastes, paints, automotive fluids, cleaners, fertilizers, etc.) into storm drains or gutters. The storm drain system, which is designed to prevent flooding in urban areas, is **not** connected to the sewer system. Unfortunately, this means that pollutants are instead carried to our beaches and other waters where we fish and swim.

Sewage Spills: Recreational waters can also become contaminated with infectious materials (body fluids, human or animal feces, etc.) when sewer lines break or overflow, spilling untreated sewage into the storm drain system. Sewage spills typically occur when lines become blocked due to grease, roots or rain infiltration.

Natural Sources: Bacteria from soils, decaying vegetation, wildlife, and birds can also contaminate recreational waters. These sources can elevate bacteria levels in recreational waters with poor water circulation.

HOW IS WATER TESTED FOR CONTAMINATION?

Laboratories use either the Membrane Filtration (MF) or the Most Probable Number (MPN) method to determine the density of fecal coliform bacteria in water samples. Fecal coliform bacteria in sewage are indicators of more harmful organisms associated with water contaminated by fecal matter from warm-blooded animals. The State standard used to determine water contamination is 400 fecal coliform bacteria per 100 milliliters of sample water. Results can be read 2 to 3 days after samples are taken.

WHAT AGENCIES COLLECT WATER SAMPLES IN SAN DIEGO COUNTY?

The County of San Diego Department of Environmental Health (DEH) coordinates the sampling of affected recreational waters following sewage spills. The City of San Diego, other individual cities, and wastewater agencies conduct routine monitoring of recreational waters in conjunction with DEH. Routine monitoring includes water samples collected from more than 110 shoreline locations on a weekly basis during the summer months in San Diego County. Storm drain sampling is also conducted weekly by the City of San Diego.

County of San Diego Department of Environmental Health Recreational Water Program

For a daily, updated recording of beach closures in San Diego County, call the Beach & Bay Advisory at (619) 338-2073 or visit our web site: www.co.san-diego.ca.us/cnty/online/

To report illegal discharges to storm drains, or for information on preventing stormwater pollution in the County of San Diego, call (888) 846-0800.



COUNTY OF ORANGE HEALTH CARE AGENCY

REGULATORY HEALTH SERVICES
ENVIRONMENTAL HEALTH

JULIETTE A. POULSON, RN, MN
DIRECTOR

MIKE SPURGEON
DEPUTY AGENCY DIRECTOR
REGULATORY HEALTH SERVICES

STEVEN K. WONG
INTERIM DIRECTOR
ENVIRONMENTAL HEALTH

MAILING ADDRESS:
2009 EAST EDINGER AVENUE
SANTA ANA, CA 92705-4720

TELEPHONE: (714) 667-3800
FAX: (714) 667-3754

E-MAIL: environhealth@hca.co.orange.ca.us

FAX TO THE FOLLOWING NUMBER: 858/571-6972

THE FOLLOWING PAGES ARE FOR:

Name of Individual: Keri Cole

Firm Name: SDRWCB

Telephone Number: _____

Documents Transmitted: 1997-1998 beach closure log

Comments: _____

From: Monica M. [Signature] 714/6673751
Water Quality Telephone No. (Please call if
transmission problems occur)

TOTAL NUMBER OF PAGES:

This Information Sheet plus 5 Page(s)

Date Sent: 5/17/01 Time Sent: a.m./p.m.(circle one)

BEACH CLOSURES 1998

County: Orange

Contact: Monica Mazur

Phone: (714) 667-3751

Address: Environmental Health Division, 2009 E. Edinger Avenue, Santa Ana, CA 92705

	Date Closed	Date Opened	Beach/Area Closed	Agency/Reason	Amount Spilled
1. ✓	(8/7/97)		Rhine Channel and 33 rd Street Channel, Newport Bay, Newport Beach	~Ocean Water Contact Sports Standard violation	-
2. ✓	(8/21/97)	11/9/98	43 rd Street Beach, Newport Bay, Newport Beach	~Ocean Water Contact Sports Standard violation	-
3. ✓	(12/6/97)	2/15/98 (see #13)	North Doheny Beach south to Poche Beach (Camino Capistrano), Dana Point	South East Regional Reclamation Authority – storm water surcharge from treatment plant into San Juan Creek	100,000-300,000 gallons, sewage
4. ✓	1/10/98	1/14/98	San Clemente Pier to 2000 feet south of pier, San Clemente	City of San Clemente – storm runoff caused erosion of open trench causing sewer line to break.	3000-4000 gallons, sewage
5. ✓	1/30/98	2/2/98	1000 feet north and 1000 feet south of Avenida Calafia storm drain, San Clemente	City of San Clemente – line blockage	7500 gallons, sewage
6. ✓	2/3/98	2/9/98	1000 feet north and 1000 feet south of Palisades Drive, Capistrano Beach	Capistrano Beach Water District – storm water surcharge of sewage lines	6750 gallons, sewage
7. ✓	2/6/98	2/12/98	Crystal Cove State Park - Reef Point to Abalone Point, Laguna Beach	El Morro Mobile Home Park – lines washed out in Creek	≥ 1000 gallons, sewage
8. ✓	2/9/98	2/18/98	Peter's Landing, Sunset Aquatic Park, Portafino Cove and Mothers Beach area, Huntington Harbour, Huntington Beach	City of Garden Grove – line break	50,000 gallons, sewage
9. ✓	2/11/98	2/15/98	Lido Isle Bridge to Via Genoa (Via Lido Sound), Newport Bay, Newport Beach	City of Newport Beach – line break	700 gallons, sewage
10. ✓	2/15/98 <i>2-15-98</i>	2/23/98 (see #16)	1000' north and 1000' south of Capistrano Beach Park, Capistrano Beach, Dana Point	Capistrano Beach Water District – storm water surcharge of sewage lines	¹ 4500 gallons (2/14/98) ² 500 gallons (2/22/98), sewage
11. ✓	2/14/98	2/20/98	Salt Creek Beach – 500' north and 500' south of Salt Creek, Dana Point	Moulton Niguel Water District – pump station failure	500 gallons, sewage
12.	2/16/98	2/20/98	Aliso Beach – Dumond Street to 1000 Steps Beach, Laguna Beach	¹ Trabuco Canyon Water District - pump station failure ² South Coast Water District – line break	¹ 480,000 gallons (2/16/98), sewage ² 11,286 gallons (2/17/98), sludge

BEACH CLOSURES 1998 – Page 3

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ENVIRONMENTAL HEALTH

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	Date Closed	Date Opened	Beach/Area Closed	Agency/Reason	Amount Spilled
26. ✓	5/11/98	5/13/98	250 feet north and 250 feet south of Aliso Creek, Aliso Beach, Laguna Beach	Moulton Niguel Water District – line break	40,000 gallons, domestic water from sewer line
27. ✓	5/19/98	5/28/98	San Gabriel River to Seal Beach Pier, Seal Beach	Los Angeles County Sanitation District - line blockage (Later report from LACSD, sewage did not enter channel. Closure remained, elevated bacteria counts due to run off.)	10,000 gallons, sewage
28. ✓	6/2/98	6/4/98	100' feet north and 100 feet south of Cleo Street, Laguna Beach	City of Laguna Beach – line break	~100 gallons, sewage
29. ✓	6/3/98	6/6/98	500 feet north and 500 feet south of Aliso Creek, Aliso Beach, Laguna Beach	South Coast Water District – drain failure at treatment plant	~1,000 gallons, sewage
30. ✓	6/5/98	6/10/98	South Lido Isle from Via Firenze to Via Genoa, Newport Bay, Newport Beach	City of Newport Beach – line break	~1,000 gallons, sewage
31. ✓	6/11/98	6/26/98	Dana Point Harbor breakwater to end of campground, Doheny State Park Beach, Dana Point	Trabuco Canyon Water District – fire hydrant water surcharge of pump station	24,000 gallons, sewage
32. ✓	6/13/98	6/18/98	Shaw and Divers Cove, Laguna Beach	City of Laguna Beach - line break	1,000 gallons, sewage
33. ✓	7/21/98	7/28/98	West end of Newport Bay from east end of Lido Isle to 43 rd Street Beach, Newport Beach	Southern California Gas Company contractor broke 24" OCSD force main	120,000 gallons, sewage
34. ✓	8/28/98	11/23/98	Balboa Bay Club beach, Newport Bay, Newport Beach	~/Ocean Water Contact Sports Standard violation	-
35. ✓	9/2/98		North end of Newport Dunes, Newport Bay, Newport Beach	~/Ocean Water Contact Sports Standard violation	-
36. ✓	10/11/98	10/14/98	300 feet south and 300 feet north of Seal Beach Pier, Seal Beach	City of Seal Beach – line break.	~100 gallons, sewage
37. ✓	11/9/98		North side of K-O docks in East Basin, Dana Point Harbor, Dana Point	~/Ocean Water Contact Sports Standard violation	-
38. ✓	11/23/98	11/28/98	Dana Point Harbor breakwater to the end of the campground, Doheny Park State Beach, Dana Point	Moulton Niguel Water District – contractor broke 36" line	2000 gallons, sewage
39	12/24/98	12/27/98	Projection of lifeguard headquarters south to Hotel Laguna, Laguna Main Beach, Laguna Beach	City of Laguna Beach – line blockage	200 gallons, sewage
40	12/30/98	1/2/99	1000 feet north and 1000 feet south of Avenida de Riviera tunnel, San Clemente	City of San Clemente –Pump station failure	3750 gallons, sewage-

BEACH CLOSURES 1998 - Page 2

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	Date Closed	Date Opened	Beach/Area Closed	Agency/Reason	Amount Spilled
13. ✓	2/16/98	2/23/98 (see #16)	Dana Point Harbor breakwater to end of Doheny campground, Doheny Beach, Dana Point	Moulton Niguel Water District - line break	¹ 3600 gallons (2/16/98) ² 1200 gallons (2/18/98) undisinfected secondary effluent
14. ✓	2/22/98	3/6/98	Reef Point to Abalone Point, Crystal Cove State Beach, Laguna Beach	El Morro Mobile Home Park - line washed out in creek	>1000 gallons, sewage
15. ✓	2/22/98	3/6/98	250 feet north and 250 feet south of Aliso Creek, Aliso Beach, Laguna Beach	El Toro Water District - line blockage	2500 gallons, sewage
16. ✓	2/24/98	4/3/98 (see #23)	Dana Point Harbor breakwater (Doheny Beach) to San Clemente Pier, Dana Point and San Clemente	Moulton Niguel Water District - line washed out in creek	>3 million gallons, sewage
17. ✓	2/24/98	3/7/98	Aster Street (Main Beach) to Center Street (Arch Cove), Laguna Beach	City of Laguna Beach - line break due to landslide	200,000 gallons, sewage
18. ✓	2/25/98	2/26/98	50 yards north and 50 yards south Esplanade, San Clemente	City of San Clemente - line break	50,000 gallons, disinfected tertiary
19. ✓	3/4/98	3/6/98	Little Corona, Newport Beach	Private Property - line break due to landslide	500 gallons, sewage
20. ✓	3/5/98	3/14/98	Brookhurst Street south to 51 st Street, Huntington Beach/ Newport Beach	East Valley Water District - (San Bernardino) line washout	~ 21 million gallons, sewage
21. ✓	3/25/98	4/2/98	Lifeguard headquarters south to T Street bridge, San Clemente	City of San Clemente - storm water surcharge of sewage lines	Unknown, sewage
22. ✓	3/25/98	4/2/98	3000 feet north and 3000' south of Avenida de Riviera Underpass, San Clemente	City of San Clemente - storm water surcharge of sewage lines	1200 gallons, sewage
23. ✓	4/4/98	6/10/98 (see # 31)	Dana Point Harbor breakwater to Poche Beach (Camino Capistrano), Dana Point to Capistrano Beach	Moulton Niguel Water District - bypass pump failure	75,000 gallons, sewage
24. ✓	4/8/98	4/9/98	100 feet north and 100 feet south of T Street bridge, San Clemente	City of San Clemente - plug in broken line failed	4,500 gallons, disinfected tertiary
25. ✓	4/20/98	4/22/98	50 feet north and 50 feet south of Bluebird Canyon storm drain, Laguna Beach	Laguna Beach Water District - dewatered stagnant, odorous water line	2,000 gallons, stagnant domestic water line

BEACH CLOSURES 1997

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1.	(8/7/96)	7/1/97	Baby Beach, Dana Point Harbor, Dana Point	-/Ocean Water Contact Sports Standard violation	?
2.	1/7/97	1/13/97	Treasure Island Mobile Home Park to projection of Table Rock, Aliso Beach, Laguna Beach	Moulton Niguel Water District/pump station failure	440,000 gallons sewage
3.	1/21/97	2/17/97	500' west and 500' east of San Juan Creek, Doheny State Park Beach, Dana Point	¹⁾ Moulton Niguel Water District/line blockage ²⁾ City of San Juan Capistrano/line blockage	¹⁾ <2000 gallons sewage ²⁾ 900 gallons sewage
4.	3/6/97	3/9/97	50' north and 50' south of Bluebird Canyon stormdrain, Laguna Beach	Surf & Sand Hotel/line blockage	~100 gallons sewage
5.	5/19/97	5/25/97	300' north and 300' south of Salt Creek at Monarch Beach and Salt Creek Beach Park, Dana Point	South Coast Water District/line blockage	~500 gallons sewage
6.	7/23/97	7/27/97	200' either side of stormdrain bay/water interface at Via Lido Soud and Via Ferma, Lido Island, Newport Beach	City of Newport Beach/force main leak	200 gallons sewage
7.	8/7/97	ongoing	Rhine Channel & 33rd Street Channel, Newport Bay, Newport Beach	-/Ocean Water Contact Sports Standard violation	?
8.	8/12/97	8/16/97	Mothers Beach, Sunset Aquatic Park and Peters Landing, Huntington Harbour, Huntington Beach	Springdale Center (REC Investments, Inc.) at Edinger & Springdale, Huntington Beach/line blockage	1200-2400 gallons sewage
9.	8/21/97	ongoing	43rd Street Beach, Newport Bay, Newport Beach	-/Ocean Water Contact Sports Standard violation	?
10.	8/31/97	9/4/97	Heisler Park, Laguna Beach	City of Laguna Beach/line blockage	40,000 gallons sewage
11.	9/18/97	9/20/97	Sleepy Hollow to Clco Street, Laguna Beach	City of Laguna Beach/line blockage	100 gallons sewage
12.	10/2/97	10/6/97	Cameo Shores, Newport Beach	City of Newport Beach/line blockage	~950 gallons sewage
13.	10/6/97	10/10/97	300' west and 300' east of San Juan Creek, Doheny State Park Beach, Dana Point	South Coast Water District/line break	~50 gallons sewage
14.	10/8/97	10/12/97	25' north and 25' south of Salt Creek, Salt Creek Beach Park, Dana Point	Moulton Niguel Water District/line break	32,000 gallons secondary effluent
15.	11/10/97	11/14/97	450' north and 450' south of Poche Creek, San Clemente	City of San Clemente/line blockage	900 gallons sewage

BEACH CLOSURES 1997 - Page 2

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16.	12/6/97	12/17/97	Dumond Street south to Point Place, Laguna Beach	¹⁾ South Coast Water District/pump station failure ²⁾ 12/13/97 - El Toro Water District/force main at pump station ruptured	¹⁾ 200,000 gallons sewage ²⁾ 130,000 gallons sewage
17.	12/6/97	12/15/97	Monarch Beach north point, south to Salt Creek Beach Point, Dana Point	Moulton Niguel Water District/pump station failure	3,000 gallons sewage
18.	12/6/97	(2/16/98)	North Doheny Beach south to Poche Beach (Camino Capistrano), Dana Point	South East Regional Reclamation Authority/stormwater surcharge from plant into San Juan Creek	100,000-300,000 gallons sewage
19.	12/6/97	12/24/97	Projection Aster Street south to Cleo Street, Laguna Beach	¹⁾ City of Laguna Beach/pump station failure ²⁾ 12/11/97 - City of Laguna Beach/line blockage	¹⁾ 20,000 gallons sewage ²⁾ 250 gallons sewage
20.	12/9/97	12/12/97	1,500 feet north and 1,500 feet south of El Moro Creek, Laguna Beach	El Morro Mobile Home Park/line washed out during storm	5,000-7,000 gallons sewage

CLOSURE97.DOC/WQ8

From: "Mazur, Monica" <MMazur@hca.co.orange.ca.us>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: 5/15/01 7:51AM
Subject: RE: OC beach closure/postings

keri, attached are the posting log for july 1999 to present and the ocean/bay closure logs for 2001, 2000 and 1999. i'm looking for the closure logs on disc for 1997 and 1998. if i can't find them, i'll need to fax them to you. let me know if you have any questions.
monica

-----Original Message-----

From: Keri Cole [mailto:colek@rb9.swrcb.ca.gov]
Sent: Friday, May 11, 2001 1:15 PM
To: mmazur@hca.co.orange.ca.us
Subject: OC beach closure/postings

Hi Monica

Thanks returning my call.

I need the beach posting data from 1999 to current and closure data for 1997 to current. I assume this includes date, location, and duration. Does it also include source of contamination (i.e. storm event, spill, etc.) and actual bacteria measurements?

You can email them to me here at colek@rb9.swrcb.ca.gov
Thanks a lot.

Keri Cole, P.E.
Water Resource Control Engineer
San Diego RWQCB
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124
(858) 467-2798
colek@rb9.swrcb.ca.gov

From: "Mazur, Monica" <MMazur@hca.co.orange.ca.us>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: 5/17/01 8:22AM
Subject: RE: OC beach closure/postings

keri, faxed you the 1997-1998 closure charts. couldn't find them on the computer anywhere.
monica

-----Original Message-----

From: Keri Cole [mailto:colek@rb9.swrcb.ca.gov]
Sent: Friday, May 11, 2001 1:15 PM
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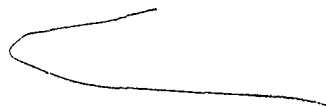
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Keri Cole, P.E.
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San Diego RWQCB
9771 Clairemont Mesa Blvd., Suite A
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(858) 467-2798
colek@rb9.swrcb.ca.gov

OCEAN/BAY CLOSURES 1999 (Page 1 of 2)

County: Orange

Contact: Monica Mazur

Phone: (714) 667-3751

Address: Environmental Health Division, 2009 E. Edinger Avenue, Santa Ana, CA 92705

	Date Closed	Date Opened	Ocean, Bay, Harbor Area Closed	Agency/Reason	Amount Spilled*
1.	(12/30/98)	1/2/99	1000' upcoast and 1000' downcoast of Avenida de Riveria tunnel, San Clemente	City of San Clemente/pump station failure	~3750 gallons, sewage
2.	1/10/99	1/17/99	Sunset Aquatic Marina, Peter's Landing & Portofino Cove Marina, Huntington Harbour, Huntington Beach	City of Garden Grove/force main break	~10,000 gallons, sewage
3.	1/12/99	1/15/99	Shaw's Cove & Fisherman's Cove, Laguna Beach	City of Laguna Beach/force main blockage	~5000 gallons, sewage
4.	2/1/99	2/4/99	¼ mile upcoast & ¼ mile downcoast of Aliso Creek, Aliso County Beach, Laguna Beach	El Toro Water District/line blockage	~2275 gallons, sewage
5.	2/4/99	2/7/99	Emerald Bay, Smithcliffs Cove & Crescent Bay, Laguna Beach	Smithcliffs Development/pump station failure	>1000 gallons, sewage
6.	2/8/99	2/11/99	Monarch Bay/Salt Creek County Beach, ¼ mile upcoast ¼ mile downcoast of Salt Creek, Dana Point	Moulton Niguel Water District/pump station failure	~13,000 gallons, sewage
7.	3/2/99	3/5/99	Crescent Bay, Laguna Beach	City of Laguna Beach/line blockage	~100 gallons, sewage
8.	4/22/99	7/2/99	1000' upcoast and 1000' downcoast of San Juan Creek, Doheny State Park Beach, Dana Point	California Department of Parks/line break	~1000 gallons, sewage
9.	5/18/99	5/24/99	Portofino Cove Marina, Peter's Landing Marina and Sunset Aquatic Park Marina, Huntington Harbour, Huntington Beach	Private Property Owner (Faircrest Apartments)/line blockage	~6000 gallons, sewage
10.	6/7/99	6/9/99	Lagunita, Blue Lagoon, South Laguna	Private Property Owner (Laguna Terrance Mobile Home Park/Laguna Reef Inn)/line blockage	Unknown, sewage
11.	7/1/99	9/3/99	Lifeguard Tower 7 to Lifeguard Tower 13, Huntington State Beach, Huntington Beach	~/Ocean Water-Contact Sports Standards violation	--
12.	7/14/99	7/16/99	Bayshore Beach, Newport Bay, Newport Beach	~/Ocean Water-Contact Sports Violation	--
13.	8/10/99	8/12/99	1000 feet upcoast and 1000 feet downcoast of San Clemente Pier, San Clemente	City of San Clemente/Pump station failure	~500 gallons, sewage

OCEAN/BAY CLOSURES 1999 (Page 2)

	Date Closed	Date Opened	Ocean, Bay, Harbor Area Closed	Agency/Reason	Amount Spilled
14.	8/21/99	8/25/99	500 feet upcoast and 500 feet downcoast of Salt Creek, Salt Creek County Beach, Dana Point	Moulton Niguel Water District/line blockage	~1800 gallons, sewage
15.	10/4/99	10/7/99	Bayshore Beach, Newport Bay, Newport Beach	City of Newport Beach/line blockage	~800 gallons, sewage
16.	10/18/99	10/22/99	250 feet upcoast and 1000 feet downcoast of San Juan Creek, Doheny State Beach, Dana Point	Southeast Regional Reclamation Authority 3A Treatment Plant/pump failure	~2000 gallons, undisinfected secondary effluent
17.	10/19/99	10/21/99	Legion Street to Oak Street, Laguna Beach	City of Laguna Beach/line blockage	~4000 gallons/sewage 3000 gallons recovered
18.	10/30/99	11/3/99	100 feet upcoast and 100 feet downcoast of Salt Creek, Salt Creek County Park, Dana Point	Moulton Niguel Water District/line blockage	~100 gallons/sewage
19.	11/15/99	11/21/99	Three Arch Bay/Monarch Beach, Dana Point	South Coast Water District/line blockage	6000 gallons/sewage
20.	11/15/99	11/21/99	250 feet upcoast and 1000 feet downcoast of San Juan Creek, Doheny State Beach, Dana Point	Santa Margarita Water District/pump failure due to power outage	3600 gallons/sewage
21.	11/30/99	12/7/99	Peter's Landing Marina, Mother's Beach, Sunset Aquatic Park Marina and Portafino Cove Marina, Huntington Harbour, Huntington Beach	Bolsa Business Park/line blockage	>1000 gallons/sewage
22.	12/1/99	12/4/99	150 feet upcoast and 150 feet downcoast of Aliso Creek, Aliso Beach, Laguna Beach	Private Grease & Septic Tank Pumper /dumped load onto parking lot	Unknown/grease-sewage

*Amount Spilled: amount spilled - amount recovered = release amount.

OCEAN/BAY WATER CLOSURES 2000

County: Orange

Contact: Monica Mazur

Phone: (714) 667-3751

Address: Environmental Health Division, 2009 E. Edinger Avenue, Santa Ana, CA 92705

	Date Closed	Date Opened	Ocean, Bay, Harbor Area Closed	Agency/Reason	Amount Spilled*
1.	1/2/00	1/5/00	Harbor Patrol Beach, China Cove & Rocky Point Beach, Newport Bay, Newport Beach	City of Newport Beach/Line Blockage	~1500 gallons/sewage
2.	1/4/00	1/6/00	Trinidad Beach and Westchester Docks, Huntington Harbour, Huntington Beach	Westchester Bay-Sea Gate Lagoons (PPO)/Line Blockage	Unknown/sewage
3.	1/5/00	1/7/00	150 feet upcoast and 150 feet downcoast of Aliso Creek, Aliso Beach County Park, Laguna Beach	El Toro Water District/Line Blockage	~390 gallons/sewage
4.	1/5/00	1/8/00	Harbor Patrol Dock, "M" Dock & "N" Dock, south side of East Basin, Dana Point Harbor, Dana Point	Orange County Harbors, Beaches and Parks/Line Break	~50 gallons/sewage
5.	1/7/00	1/11/00	Arches Marina, Newport Bay, Newport Beach	Park Superior Health Care (PPO)/Line Blockage	~240 gallons/sewage
6.	1/31/00	2/9/00	Dana Point Harbor breakwater, downcoast to end of campground, Doheny State Beach, Dana Point	Moulton Niguel Water District/Line Blockage	~2000 gallons/sewage 200 gallons recovered
7.	2/10/00	2/14/00	1000 feet upcoast and 1000 feet downcoast of Poche Creek, Poche Beach, Dana Point/San Clemente	City of San Clemente/Line Blockage	~3500 gallons/sewage
8.	2/14/00	2/21/00	1000' upcoast and 1000' downcoast of Anita Street, Laguna Beach	City of Laguna Beach/Line Blockage	~3000 gallons/sewage 1000 gallons recovered
9.	2/17/00	2/21/00	1000' upcoast and 1000' downcoast of Aliso Creek, Aliso County Beach, Laguna Beach	Aliso Water Management Agency/Line Blockage	~500 gallons/sewage 100 gallons recovered
10.	2/19/00	2/24/00	1000' upcoast and 1000' downcoast of San Juan Creek, Doheny State Beach, Dana Point	Moulton Niguel Water District/Line Blockage	~500 gallons/sewage
11.	2/22/00	2/28/00	San Gabriel River to 1/2 mile downcoast of the San Gabriel River, Seal Beach	Orange County Sanitation District/Line Blockage-possibly storm water surcharge	~1000-10,000 gallons/sewage
12.	2/29/00	3/4/00	North end of Main Beach downcoast to Cress Street, Laguna Beach	City of Laguna Beach/Sewage Bypass Pipeline Failure	~1200 gallons/sewage
13.	3/2/00	3/9/00	1000 feet upcoast and 1000 feet downcoast of San Juan Creek, Doheny State Beach, Dana Point	Moulton Niguel Water District/Line Blockage	~500 gallons/sewage
14.	3/5/00	3/9/00	Cress Street downcoast to Diamond Street, Laguna Beach	City of Laguna Beach/Line Blockage	~1200 gallons/sewage
15.	3/11/00	3/23/00	Doheny State Beach (Dana Point Harbor breakwater downcoast to the end of the park), Dana Point	1) Moulton Niguel Water District/Line Blockage 2) Moulton Niguel Water District /Contractor Flushing Line 3) Rancho Capistrano Ministries/Line Blockage	1) 3/11 - ~21,000 gallons/sewage 2) 3/14 - ~500 gallons/sewage 200 gallons recovered 3) 3/17 - ~12,000 gallons/sewage

16.	3/19/00	3/23/00	Seal Beach Pier to Anderson Street, Seal Beach & Mother's Beach, Sunset Aquatic Marina, Peter's Landing Marina and Portofino Marina, Huntington Harbour, Huntington Beach	City of Seal Beach/Line Break	~1500 gallons/sewage
17.	4/4/00	4/6/00	"A" & "B" Docks, West Basin, Dana Point Harbor, Dana Point	South Coast Water District/Line Blockage	~100 gallons/sewage
18.	4/13/00	4/15/00	150' upcoast and 150' downcoast of Aliso Creek, Aliso County Beach, Laguna Beach	Moulton Niguel Water District/Line Blockage	~400 gallons/sewage 100 gallons recovered
19.	4/24/00	4/27/00	San Gabriel River to 5 th Street, Seal Beach	City of Placentia/Line Blockage	~84,000 gallons/sewage 63,000 gallons recovered
20.	4/26/00	4/28/00	300' upcoast and 300' downcoast of Salt Creek, Salt Creek County Beach & Monarch Beach, Dana Point	South Coast Water District/Line Blockage	~300 gallons/sewage
21.	5/4/00	5/7/00	Bayshore Beach & Dover Shores Beaches (2 coves), Newport Bay, Newport Beach	City of Newport Beach/Line Blockage	~1000 gallons/sewage ~200 gallons recovered
22.	5/9/00	5/11/00	Talbert Channel to Orange Street, Huntington State Beach & Newport City Beach Huntington Beach & Newport Beach	Orange County Sanitation District/Pump Station Equipment Failure	~5000 gallons/sewage
23.	5/14/00	5/17/00	Crescent Bay, Laguna Beach	City of Laguna Beach/Line Blockage	~200 gallons/sewage
24.	5/14/00	5/17/00	Capistrano County Beach, Dana Point	South Coast Water District/Line Break	~8000 gallons/sewage
25.	6/9/00	6/13/00	San Gabriel River mouth downcoast to Seal Beach Pier, Seal Beach	Orange County Sanitation District/Line Blockage	~50,000 gallons/sewage
26.	6/26/00	6/29/00	100' upcoast and 100' downcoast of the stormdrain, Capistrano County Beach, Dana Point	South Coast Water District/Line Blockage	~50 gallons/sewage
27.	7/12/00	7/14/00	Harbor Patrol Docks, Dana Point Harbor	Public Facilities & Resources Department/Line Blockage	<5 gallons/sewage
28.	7/15/00	7/18/00	Anita Street to Brook Street, Laguna Beach	City of Laguna Beach/Line Blockage	<50 gallons/sewage
29.	7/29/00	8/1/00	1000' upcoast and 1000' downcoast of Aliso Creek, Aliso Beach, Laguna Beach	Aliso Water Management Agency/Line Break	~1500 gallons/ undisinfected secondary
30.	8/5/00	8/10/00	I-O Docks, north side of East Basin, Dana Point Harbor, Dana Point	South Coast Water District/Line Blockage	~1500 gallons/sewage
31.	8/28/00	8/31/00	N Dock & Commercial Docks southeast side of East Basin, Dana Point Harbor, Dana Point	Public Facilities & Resources Dept./Line Break at Vessel Pump Out Facility	<50 gallons/sewage
32.	9/11/00	9/14/00	From Lido Island Bridge to 300 feet upbay of Lido Island Bridge along Lido Marina Village docks, Newport Bay, Newport Beach	Lido Marina Village/Line Break at Vessel Pump Out Facility	Unknown/sewage
33.	9/20/00	9/22/00	From west end of Balboa Bay Club Marina downbay through Bayshore's "Play Beach" and bay front, Newport Bay, Newport Beach	Balboa Bay Club/Line Blockage - possibly grease	~500-700 gallons/sewage
34.	10/11/00	10/15/00	Boat Launch and Fuel Dock area, Dana Point Harbor, Dana Point	O.C. Public Facilities & Resources Department/Line Blockage (roots)	<100 gallons/sewage

35.	10/26/00	10/30/00	1000' upcoast & 1000' downcoast of Pico Drain, North Beach, San Clemente	City of San Clemente/Line Blockage (roots)	~300 gallons/sewage
36.	11/13/00	11/15/00	Harbor Marina, Newport Bay, Newport Beach	PPO/Line Blockage	~105 gallons/sewage
37.	11/24/00	11/29/00	Center Street to Rockledge Road, Laguna Beach	City of Laguna Beach/Line Blockage	~5000 gallons/sewage
38.	12/7/00	12/10/00	North Star Beach upbay to Jamboree Road, Newport Bay, Newport Beach	Irvine Ranch Water District/Line Break	~250,000 gallons/ undisinfected secondary effluent
39.	12/11/00	12/14/00	"A" Dock and Harbor Patrol Dock, Sunset Aquatic Marina, Anaheim Bay, Seal Beach	Sunset Aquatic Marina (PPO)/Line Break	~5-10 gallons 2 X/day X ~5months/sewage
40.	12/28/00	12/31/00	North Star Beach, Newport Bay, Newport Beach	City of Newport Beach/Line Blockage	500-600 gallons/ sewage

*Amount Spilled: amount spilled - amount recovered = release amount.

Orange County Environmental Health - Beach Closures for 2000

BeachName	Date Closed	Date Opened	Days Closed	Beach Mile Days	Cause	Source
- Aliso Beach	1/5/00	1/7/00	2	0.11	Blockage	Sewer line
- Aliso County Beach Park	2/17/00	2/21/00	4	1.14	Blockage Due to Debris	Sewer line
	4/13/00	4/15/00	2	0.11	Blockage Due to Roots	Sewer line
	7/29/00	8/1/00	3	1.14	Line Break	Sewer line
Capistrano County Beach	5/14/00	5/17/00	3	1.50	Line Break	Sewer line
	6/26/00	6/29/00	3	0.11	Blockage Due to Roots	Sewer line
- Dana Point Harbor	1/5/00	1/8/00	3	0.09	Line Break	Sewer line
	4/4/00	4/6/00	2	0.06	Blockage Due to Grease and roots	Sewer line
	7/12/00	7/14/00	2	0.04	Blockage	Sewer line
	8/5/00	8/10/00	5	0.21	Blockage Due to Rocks	Sewer line
	8/28/00	8/31/00	3	0.06	Pump Station Failure	Sewer line
	10/11/00	10/15/00	4	0.11	Blockage Due to Roots	Sewer line

BeachName	Date Closed	Date Opened	Days Closed	Beach Mile Days	Cause	Source
Doheny State Beach Park	1/31/00	2/9/00	9	4.50	Blockage	Sewer line
	2/19/00	2/24/00	5	1.89	Blockage Due to Grease	Sewer line
	3/2/00	3/9/00	7	2.65	Blockage	Sewer line
	3/11/00	3/23/00	12	13.20	Blockage	Sewer line
7, Huntington Harbour	1/4/00	1/6/00	2	0.09	Blockage	Sewer line
	12/11/00	12/14/00	3	0.13	Pump Station Failure	Sewer line
✓ Laguna Beach	2/14/00	2/21/00	7	2.27	Blockage Due to Grease	Sewer line
	2/29/00	3/4/00	4	5.00	Construction Project	Sewer line
	3/5/00	3/9/00	4	2.00	Blockage Due to Roots	Sewer line
	5/14/00	5/17/00	3	0.17	Line Break	Sewer line
	7/15/00	7/18/00	3	0.17	Sewer Infiltration	Sewer line
	11/24/00	11/29/00	5	2.50	Blockage Due to Roots	Sewer line
9, Monarch Beach	4/26/00	4/28/00	2	0.23	Blockage Due to Debris	Sewer line

BeachName	Date Closed	Date Opened	Days Closed	Beach Mile Days	Cause	Source
Newport Bay	1/2/00	1/5/00	3	0.75	Blockage Due to Roots and Grease	Sewer line
	1/7/00	1/11/00	4	0.11	Blockage	Sewer line
	5/4/00	5/7/00	3	0.17	Blockage	Sewer line
	9/11/00	9/14/00	3	0.17	Pump Station Failure	Sewer line
	9/20/00	9/22/00	2	0.06	Blockage	Sewer line
	11/13/00	11/15/00	2	0.11	Blockage Due to Grease	Sewer line
	12/8/00	12/10/00	2	0.17	Line Break	Sewer line
	12/28/00	12/31/00	3	0.26	Blockage Due to Grease	Sewer line
Newport Beach	5/9/00	5/11/00	2	1.00	Other- Valve Failure at Pump Station	Sewer line
Poche Beach	2/10/00	2/14/00	4	2.00	Blockage	Sewer line
San Clemente City Beach	10/26/00	10/30/00	4	1.52	Blockage Due to Roots	Sewer line
Seal Beach	2/22/00	2/28/00	6	3.00	Blockage	Sewer line
	3/19/00	3/23/00	4	2.98	Other - Air Vac Line	Sewer line

BeachName	Date Closed	Date Opened	Days Closed	Beach Mile Days	Cause	Source
Seal Beach	4/24/00	4/27/00	3	0.75	Blockage	Sewer line
	6/9/00	6/13/00	4	2.00	Blockage	Sewer line

Number of Closures: 40

Sum of Days: 151

Sum of Beach Mile Days: 54.5

OCEAN/BAY WATER CLOSURES 2001 (to Date)

County: Orange

Contact: Monica Mazur

Phone: (714) 667-3751

Address: Environmental Health Division, 2009 E. Edinger Avenue, Santa Ana, CA 92705

	Date Closed	Date Opened	Ocean, Bay, Harbor Area Closed	Agency/Reason	Amount Spilled*
1.	1/11/01	1/18/01	Dana Point Harbor breakwater downcoast to the pedestrian bridge over PCH, Doheny State Beach, Dana Point	South East Regional Reclamation Authority/air vac failure on surge tower	~2000 gallons/undisinfected secondary
2.	1/12/01	1/18/01	1 mile upcoast and 1 mile downcoast of Pico Drain, San Clemente	City of San Clemente/line break	~985,000 spilled - ~888,000 recovered/undisinfected secondary
3.	1/22/01	1/25/01	300 feet upcoast and 300 feet downcoast of Bluebird Canyon Drive drain, Laguna Beach	City of Laguna Beach/line blockage (roots)	~5200 gallons spilled - 5200 gallons recovered/sewage
4.	2/8/01	2/10/01	Quest Slips and "A" Dock, north end of the West Basin, Dana Point Harbor, Dana Point	Orange County Public Facilities & Resources Department/line break at vessel holding tank pump out facility	~2 gallons/sewage
5.	2/14/01	2/17/01	300 feet upcoast and 300 feet downcoast of the Santa Ana River, Huntington State Beach, Huntington Beach & Newport Beach	PPO (Denny's Restaurant)/line blockage (grease & paper towels)	~100-300 gallons / sewage
6.	2/18/01	2/21/01	Hotel Laguna downcoast to Brooks Street, Laguna Beach	City of Laguna Beach/line blockage (roots)	~9000 gallons spilled - ~3000 gallons recovered/sewage
7.	2/20/01	2/25/01	1000 feet upcoast and 1000 feet downcoast of the Santa Ana River, Huntington State Beach, Huntington Beach & Newport Beach	Costa Mesa Sanitary District/line blockage (grease)	~1000 gallons/sewage
8.	2/21/01	2/25/01	Newport Slough, Newport Beach	Orange County Sanitation District/suspected line break	<500 gallons/sewage
9.	2/26/01	3/2/01	Doheny State Beach downcoast through Capistrano County Beach, Dana Point	Santa Margarita Water District/pump station failure	~54,000 gallons spilled - ~11,968 gallons recovered/sewage
10.	3/4/01	3/8/01	300 feet upcoast and 300 feet downcoast of San Juan Creek, Doheny State Beach, Dana Point	Santa Margarita Water District/line blockage (vandalism)	~4125 gallons spilled - ~3525 gallons recovered/sewage
11.	3/8/01	3/13/01	Crescent Bay, Laguna Beach	City of Laguna Beach - Contractor/Sand concrete slurry poured into pump station wet well during construction of dry weather urban runoff diversion	~18,000 gallons/sewage
12.	3/12/01	3/15/01	300 feet upbay and 300 feet downbay of the Bahia Corinthian Yacht Club, Newport Bay, Newport Beach	PPO (Newport Medical Building)/line blockage	~1000 gallons spilled -

					recovered/ sewage
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13.	3/12/01	3/15/01	1000 feet upcoast and 1000 feet downcoast of San Juan Creek, Doheny State Beach, Dana Point	City of San Juan Capistrano/line blockage	~750 - 900 gallons/ sewage
14.	4/1/01	4/5/01	1000 feet upcoast and 1000 feet downcoast of Salt Creek at Monarch & Salt Creek Beach, Dana Point	Moulton Niguel Water District/line blockage	~900 gallons spilled/ ~200 gallons recovered/ sewage
15.	4/2/01	4/5/01	1/4 mile upcoast and 1/2 mile downcoast of San Juan Creek, Doheny State Beach, Dana Point	Moulton Niguel Water District/pump station failure	~10,300 gallons spilled/ ~5000 gallons recovered/sewage
16.	4/3/01	4/6/01	Guest Slips and "A" Dock at the north end of the West Basin, Dana Point Harbor, Dana Point	Orange County Public Facilities & Resources Department/line break at vessel holding tank pump out facility	~1-2 gallons/sewage
17.	4/3/01	4/6/01	1000 feet upcoast and 1000 feet downcoast of Aliso Creek, Aliso County Beach, Laguna Beach	Moulton Niguel Water District/line break	~830 gallons spilled/ ~100 gallons recovered/ sewage
18.	4/10/01	4/13/01	300 feet upcoast and 300 feet downcoast of El Morro Creek, El Morro State Beach, Newport Coast	State Department of Parks and Recreation/line break	~25 gallons/sewage
19.	4/16/01	4/19/01	1000 feet upcoast and 1000 feet downcoast of Salt Creek at Monarch & Salt Creek Beach, Dana Point	PPO (Seaside Meadows Apartments)/line blockage	~960 gallons/sewage
20.	4/20/01	4/23/01	300 feet between Agate Street and Pearl Street, Laguna Beach	City of Laguna Beach/line blockage	~500 gallons/sewage ~200 gallons recovered
21.	4/23/01	4/25/01	Diver's Cove downcoast to Thalia Street, Laguna Beach	City of Laguna Beach/line blockage	~10,500 gallons/sewage ~7,500 gallons recovered
22.	4/12/01		Portofino Cove and Sunset Aquatic Marina, Huntington Harbour, Huntington Beach	Anaheim Sheraton Hotel/line blockage	~2400 gallons/sewage ~100 gallons recovered

*Amount Spilled: amount spilled - amount recovered = release amount.

**1999-2000
POSTING LOG FOR AB411**

	DATE POSTED	AREA POSTED	DATE UNPOSTED	BACTERIAL VALUES		
				TC	FC/EC	ENT
	7/28/99	Doheny Beach - 250' U/C to 1000' D/C SJC (Ck. Release)	7/30/99	~	~	~
	7/29/99	Newport Bay - 38th Street Beach	7/30/99	80	712	<10
		Newport Bay - 43rd Street Beach	9/22/99 Long Term	500	>24192	31
		Dana Point Harbor - Baby Beach (Buoy Line)	7/30/99	300	256	175
		Dana Point Harbor - Baby Beach (West End)	7/30/99	1100	408	173
		Doheny Beach - North Beach	7/30/99	20	959	20
		Huntington Harbour - Mother's Beach	8/3/99	20	419	134
	7/30/99	Newport Beach - 52nd-53rd Street (OCSD 6S)	7/30/99	1700	1700	176
		Doheny Beach - North Beach	8/6/99	20	959	20
	8/3/99	Seal Beach - 8th Street	8/5/99	3000	3873	85
	8/4/99	Dana Point Harbor - Baby Beach (Swim Area)	8/6/99	500	573	20
	8/5/99	Newport Bay - Abalone Avenue (South Bayfront)	8/7/99	800	801	74
		Newport Bay - Bayshore Beach	8/7/99	<20	31	185
		Newport Bay - Newport Dunes (North Beach)	8/7/99	300	1631	10
	8/9/99	Bolsa Chica State Beach -SLGT #18 (OCSD 33N)	8/12/99	500	300	128
	8/10/99	Salt Creek Beach - D/C of Salt Creek	8/12/99	3000	146	158
		Doheny Beach - North Beach	8/12/99	40	1134	31
		Dana Point Harbor - Baby Beach (East End)	8/12/99	500	601	52
	8/11/99	Newport Bay - Newport Dunes (North Beach)(Ck. Release)	8/13/99	~	~	~
	8/12/99	South Laguna - Three Arch Bay (AWMA S3)	8/13/99	96	<2	110
	8/13/99	Seal Beach - 1st Street	8/15/99	2400	1785	<10
	8/17/99	Newport Bay - Newport Dunes (North Beach)	8/24/99	230	441	10
	8/18/99	Salt Creek Beach - D/C of Salt Creek	8/20/99	1700	63	173
	8/24/99	Bolsa Chica State Beach - SLGT #23 (OCSD 39N)	8/26/99	500	500	142
	8/26/99	Dana Point Harbor - Baby Beach (All) (West End)	8/28/99	170	259	160
		Dana Point Harbor - Baby Beach (Swim Area)	~	230	882	10
	8/27/99	Doheny Beach - 300' U/C to 1500' D/C SJC (Ck. Release)	9/1/99	~	~	~
	8/31/99	Bolsa Chica State Beach - SLGT#23 (OCSD 39N)	9/1/99	230	230	112
	9/1/99	Doheny Beach - South End of Campground (SERRA S5)	9/3/99	10	20	110
		Newport Bay - 19th Street Beach	9/3/99	80	209	110
	9/2/99	Doheny Beach - 300' U/C to 1500' D/C SJC (Ck. Release)	9/4/99	~	~	~
		Dana Point Harbor - Baby Beach (West End)	9/4/99	1300	1722	41
	9/4/99	Huntington State Beach - SLGT #15 (OCSD 11N)	9/4/99	300	594	<10
	9/6/99	Huntington State Beach - SLGT #6 (OCSD 4N)	9/7/99	9000	17328	168
	9/7/99	Huntington State/City Beach - SAR to CLGT #11 (3N)	*10/7/99	5000	340	215
		*9/17/99 - unposted CLGT #11-CLGT #15 (4N)	~	LA	LA	358
		*10/6/99 - unposted CLGT #15-SLGT #10 (5N)	~	LA	LA	128
		*10/7/99 - unposted SLGT #10-SAR (7N)	~	170	170	118
		(8N)	~	300	80	104

**1999-2000
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		(10N)	~	300	110	120
		(11N)	~	300	170	216
9/8/99		Doheny Beach - 300' U/C to 1000' D/C SJC (Ck. Release)	9/10/99	~	~	~
9/9/99		Doheny Beach - End of day use area (SERRA S7)	9/10/99	3700	3000	>2000
		Poche Beach - U/C of Poche Creek (SERRA S15)	9/10/99	460	110	110
		Doheny Beach - 300' U/C to 1500' D/C SJC (Ck. Release)	9/10/99	~	~	~
9/10/99		Huntington City Beach - CLGT #9 (OCSD 15N)	9/11/99	130	197	2098
		Huntington City Beach - 150' D/C CLGT #1-CLGT #6 (15N)	9/11/99	<20	40	512
		(18N)	~	<20	<10	113
		(19N)	~	<20	20	1585
9/12/99		Huntington City Beach - CLGT #11 - Pier (increase) (16N)	9/15/99	20	20	>400
9/14/99		Newport Bay - 19th Street Beach	9/17/99	800	1187	573
9/15/99		Huntington City Beach - CLGT #1	9/16/99	<20	<10	158
		Doheny Beach - 250" U/C to 1000' D/C SJC (Ck. Release)	9/17/99	~	~	~
9/16/99		Doheny Beach - SLGT #7 (SERRA S5)	10/7/99	50	50	130
		Dana Point Harbor - Baby Beach (Swim Area)	9/19/99	130	408	10
(needles)		Huntington State/City Beach - Magnolia to U/C of Pier	9/17/99	~	~	~
9/22/99		Dana Point Harbor - Baby Beach (Buoy Line)	9/28/99	300	959	31
9/23/99		Newport Bay - 38th Street Beach	10/27/99	20	594	<10
9/24/99		Aliso Beach - Camel Point to 300' U/C (AWMA S8)	9/30/99	14	8	110
		Doheny Beach -SLGT #9 to 300' D/C (SERRA S1)	10/7/99	10	10	30
		Doheny Beach - SLGT #6 (SERRA S3)	10/7/99	80	80	400
9/27/99		Poche Beach - U/C of Poche Creek (SERRA S15)	9/28/99	780	170	170
		Aliso Beach-1000' U/C to 1000' D/C of Creek (Ck.Release)	*10/7/99	~	~	~
		*9/30/99 - reduced posting to 1000' U/C	~	~	~	~
		Huntington City Beach - CLGT # 1 (OCSD 18N)	9/28/99	300	74	135
9/28/99		Doheny Beach - 250" U/C to 1000' D/C SJC (Ck. Release)	*10/7/99	~	~	~
		*9/30/99 - extended posting to 3500' D/C (see 9/24/99)	~	~	~	~
		*10/1/99 - reduced D/C 500'	~	~	~	~
		Laguna Beach - Main Beach at Broadway Creek	9/30/99	230	52	134
		Monarch Beach - 300' U/C of Salt Creek	9/30/99	230	41	109
9/29/99		Newport Bay - Sapphire Avenue	10/1/99	40	3076	413
10/1/99		Poche Beach - 300' U/C to 100' D/C of Poche Creek	10/7/99	700	120	120
10/7/99		Doheny Beach - 150' U/C SLGT #7 to 150'D/C SLGT #6	*10/8/99(S5	1100	670	960
		(SERRA S5 & S7) *all Doheny posted	~ (S7	780	670	960
10/8/99		Doheny Beach - San Juan Creek to Poche Creek	*10/14/99(S1	160	60	300
		*10/9/99 -reopened San Juan Ck to end of campground	~ (S3	440	330	670
		*10/14/99-reopened end of campground to end of park	~ (S9	260	270	530
		*10/14/99-reopened Poche	~ (S11	390	130	330
			~ (S13	350	230	200
10/10/99		Bolsa Chica State Beach - SLGT #23 (OCSD 39N)	10/13/99	1100	1100	>400
10/13/99		Laguna Beach - 1000 Steps Beach (AWMA S4)	10/14/99	2	<2	280

**1999-2000
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10/14/99	Dana Point Harbor - Baby Beach (Buoy Line)	see 10/27/99	80	789	189
	Doheny Beach - 250' U/C to 1000' D/C SJC (Ck. Release)	see 10/15/99	~	~	~
10/15/99	Huntington State Beach - SLGT #2 (OCSD 1N)	10/16/99	130	130	146
	Newport Bay - 19th Street Beach	10/21/99	700	135	145
	Newport Bay - Bayshore Beach	10/21/99	1300	644	391
	Dana Point Harbor - Baby Beach (Swim Area)	see 10/27/99	500	520	98
	Doheny Beach - 1000' - 3000' D/C of San Juan Creek	see 10/29/9(S1)	150	120	270
	*10/18/99 - 250' U/C - 1000' D/C SJC closed (sewage)	see 10/22/99(S3)	90	70	160
	Creek Release	~ (S9)	150	140	270
10/21/99	Seal Beach - 1st Street	11/10/99	20	784	31
10/22/99	Newport Beach - 52nd-53rd Street (OCSD 6S)	10/24/99	20	20	150
	Aliso Beach - Aliso Creek to 300' D/C (AWMA S9)	see 10/28/99	30	<10	170
	Doheny Beach - 250' U/C to 1000' D/C San Juan Creek	see 11/15/99(S0)	160	110	250
10/24/99	Huntington State Beach - SLGT #6 (OCSD 4N)	10/26/99	500	500	240
10/26/99	Huntington State Beach - SLGT #4 (OCSD 3N)	see 10/27/99	40	62	121
	Newport Bay - Garnet Avenue	10/28/99	<20	52	211
10/27/99	Huntington State Beach (OCSD 1N - 4N) (1N)	*10/28/99	230	230	>400
	*4N unposted 11/3/99 (2N)	~	500	500	>400
	(3N)	~	500	500	>400
	(4N)	~	130	8	>400
	Newport Beach - Little Corona	10/30/99	500	933	74
	Newport Beach - Corona Del Mar Beach (OCSD 29S)	10/29/99	130	80	106
	Dana Point Harbor - Baby Beach (All)	11/18/99 Long Term	~	~	~
10/28/99	Aliso Beach - 300' D/C Creek to Camel Point (SERRA S8)	10/29/99	190	120	170
10/29/99	Huntington State Beach-1N-3N (4N posted-see 10/27) (1N)	11/3/99	300	300	270
	(3N)	~	300	300	>400
	Huntington Harbour - Mother's Beach	11/2/99	500	341	223
	Doheny Beach - add 500' U/C SJC to 250' U/C SJC	10/30/99	30	70	110
	Doheny Beach - add 3000' to 4000' D/C SJC (SERRA S5)	1/3/00 Long Term	310	420	456
	(SERRA 1/3/00 Long Term	70	40	140	
	San Clemente - North Beach @ Ave. Pico (SERRA S17)	11/3/99	360	110	1100
11/1/99	Surfside-Sunset Beach - breakwater to 24th St. (Dredging)	11/10/99	20	20	221
	Newport Bay - Newport Dunes (North Beach)	11/23/99	500	145	228
11/3/99	Capistrano Beach - Poche Beach (SERRA S15)	11/5/99	900	130	120
11/4/99	Huntington Harbour - Mother's Beach	*11/30/99	130	272	185
	*changed from posting to closure due to sewage spill	~	~	~	~
	Huntington Harbour - Trinidad Beach	11/7/99	2400	31	833
11/7/99	Newport Beach - Balboa Pier (OCSD 21S)	11/9/99	300	300	184
11/8/99	Rain Advisory - All Coastline	11/12/99	~	~	~
11/9/99	Newport Beach - Corona Del Mar Beach (OCSD 29S)	11/11/99	110	40	150
11/15/99	(Doheny Beach - 250' U/C to 1000' D/C SJC - Closed)	see 11/21/99	~	~	~
	(1000' D/C SJC to end of Park still posted)	~	~	~	~

**1999-2000
POSTING LOG FOR AB411**

	11/16/99	Laguna Beach - So. End of Main Beach (AWMA S16)	11/18/99	41	8	360
		Laguna Beach - No. End of Victoria Beach (AWMA S14)	11/18/99	18	2	120
		Laguna Beach - Treasure Island Pier (AWMA S12)	11/18/99	16	2	220
		Laguna Beach - 1000 Steps Beach (AWMA S4)	11/18/99	20	8	>400
	11/17/99	San Clemente State Beach - Ave. Calafia (SERRA S21)	11/18/99	Cw/c	320	>400
		Doheny Beach - North Beach	11/20/99	300	223	397
	11/18/99	Salt Creek Beach - So. End Ritz Cove (AWMA S2)	11/21/99	1300	66	130
	11/21/99	Doheny Beach - North Beach	1/3/00 Long Term	80	185	231
		Doheny Beach-250' U/C to 1000' D/C SJC(Posting from SS)	1/3/00 Long Term	~	~	~
	11/23/99	Laguna Beach - No. End of Victoria Beach (AWMA S14)	11/27/99	27	10	100
		Laguna Beach - Bluebird Canyon (AWMA S15)	11/27/99	410	80	170
		Newport Beach - 15th-16th Street (OCSD 15S)	11/25/99	230	230	368
		Newport Bay - Newport Dunes (East Beach)	11/25/99	130	97	110
		Newport Bay - Newport Dunes (West Beach)	11/25/99	1300	586	495
		Newport Bay - 10th Street Beach	11/25/99	5000	4611	884
		Newport Bay - 19th Street Beach	11/25/99	1300	2851	1223
		Newport Bay - 38th Street Beach	11/25/99	500	142	228
		Newport Bay - V ia Genoa	11/25/99	40	31	155
		Newport Bay - N Street Beach	11/25/99	800	563	74
	11/24/99	Aliso Beach - 300' D/C Creek to Camel Point (SERRA S8)	11/27/99	Cw/c	160	160
		Doheny Beach - Mid North Beach (SERRA S2)	1/3/00 Long Term	120	80	1900
		San Clemente State Beach - Ave. Calafia (SERRA S21)	11/27/99	780	500	610
		Laguna Beach - Emerald Bay	11/27/99	<20	10	156
	11/26/99	Huntington City Beach - Dog Beach (OCSD 27N)	12/4/99	800	800	16
	12/1/99	Capistrano Beach-150' U/C-150" D/C Poche (Ck.release)	12/8/99	~	~	~
		Laguna Beach - Crescent Bay	12/3/99	110	20	169
	12/2/99	Seal Beach - 8th Street	12/4/99	>16000	130	393
	12/8/99	Laguna Beach - So. End Main Beach (AWMA S16)	12/10/99	160	90	190
	12/9/99	Capistrano Beach - Guard Shack (SERRA S9)	12/15/99	350	170	420
		Capistrano Beach - Mid (SERRA S11)	12/15/99	190	90	320
		Capistrano Beach - End (SERRA S13)	12/15/99	80	80	170
		Huntington Harbour - Coral Cay	12/13/99	3000	4352	1223
		Huntington State Beach - SAR to 200' U/C (OCSD 0)	12/13/99	40	41	158
		Huntington State Beach - SLGT #3 (OCSD 2N)	12/13/99	520	368	990
	12/18/99	Huntington State Beach - SLGT #7 (OCSD 5N)	12/20/99	40	20	110
	12/20/99	Huntington City Beach - Bluffs (OCSD #27N)	12/21/99	<20	<20	122
		Huntington City Beach - 17th Street (OCSD #21N)	12/21/99	80	80	168
		Huntington State Beach - SLGT #2 (OCSD 1N)	12/24/99	70	70	166
		Huntington State Beach - SLGT #3 (OCSD 2N)	12/24/99	170	170	298
		Huntington State Beach - SLGT #4 (OCSD 3N)	12/24/99	130	130	212
		Newport Beach - 15th-16th Street (OCSD 15S)	12/21/99	130	130	180
	12/21/99	Laguna Beach - So. End of Main Beach (AWMA S16)	12/22/09	190	86	150

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POSTING LOG FOR AB411

	Laguna Beach - So. End of Victoria Beach (AWMA S13)	12/24/99	130	110	110
	Capistrano Beach - Guard Shack (SERRA S9)	12/24/99	90	66	120
12/22/99	Laguna Beach - No.End of Victoria Beach (AWMA S14)	12/24/99	130	110	110
	Laguna Beach - Bluebird Canyon (AWMA S15)	12/24/99	110	100	130
	Dana Point - Dana Strand (AWMA S1)	12/24/99	Cw/c	>400	120
12/23/99	Aliso Beach - Camel Point to 300' upcoast (AWMA S8)	12/28/99	42	34	120
	Huntington Harbour - 11th Street Beach	12/29/99	220	4396	1153
12/28/99	Newport Bay - Harbor Patrol Beach	12/30/99	230	857	354
12/30/99	Huntington State Beach - SAR to 300' U/C (OCSD 0)	1/4/00	<20	<20	180
1999 Summary	Postings Rain Advisories Creek Releases Misc.				
July 28-31	8 1				
August	17 2				
September	25 6 1				
October	28 2				
November	32 1				
December	22 1				
Totals	132 1 12 1				
1/4/00	Aliso Beach - Aliso Creek to 300' downcoast (AWMA S9)	1/5/00	6200	440	960
	Laguna Beach - No. End of Victoria Beach (AWMA S14)	1/5/00	100	40	430
1/5/00	San Clemente - North Beach @ Pico Avenue (SERRA 17)	1/6/00	390	540	330
	Newport Bay - Sapphire Avenue	1/7/00	20	10	121
	Seal Beach - 1st Street (SGR to Neptune Ave. posted)	1/7/00	1300	52	388
	Seal Beach - 8th Street "	"	500	51	491
	Seal Beach - 14st Street "	"	40	<10	134
1/7/00	Newport Beach - Balboa Pier (OCSD 21S)	1/10/00	80	20	300
1/11/00	Newport Bay - Newport Dunes (West Beach)	1/13/00	40	41	122
1/18/00	Huntington State Beach - Brookhurst Street (OCSD 3N)	1/21/00	200	140	208
	Newport Beach - Orange Avenue (OCSD 3S)	1/19/00	170	170	110
1/19/00	Huntington City Beach - Jack's Snack Bar (OCSD 21N)	1/21/00	40	40	112
	Newport Beach - 15th - 16th Street (OCSD15S)	1/21/00	110	80	230
	Newport Bay - Newport Dunes (Middle Beach)	1/21/00	130	97	1092
	Newport Bay - Newport Dunes (North Beach)	1/21/00	500	496	31
	Laguna Beach - So. End of Main Beach (AWMA S16)	1/21/00	400	330	1500
	Laguna Beach - Bluebird Canyon (AWMA S15)	1/21/00	990	120	140
	Laguna Beach - No. End of Victoria Beach (AWMA S14)	1/21/00	130	110	220
	Laguna Beach - So. End of Victoria Beach (AWMA S13)	1/21/00	200	200	260
	Aliso Beach - 300' to 600' So. Of Aliso Creek (AWMA 8.5)	1/21/00	70	80	130
1/20/00	Huntington Harbour - Trinidad Beach	1/22/00	1300	985	63
	Huntington Harbour - Coral Cay Beach	1/22/00	170	345	10
	Laguna Beach - Aliso Creek to 300' D/C (AWMA S9)	1/22/00	20	40	150

**1999-2000
POSTING LOG FOR AB411**

	Capistrano Beach - 7500' D/C Outfall @ Capo. (SERRA S11)	1/22/00	90	70	350
	Capistrano Beach - 10000' D/C Outfall @ Capo. (SERRA S13)	1/22/00	70	20	130
	Capistrano Beach - Poche Beach (SERRA S15)	1/21/00	<100	400	80
	San Clemente - North Beach @ Pico Avenue (SERRA 17)	1/21/00	360	380	250
1/22/00	Laguna Beach - North Main Beach	1/24/00	80	52	171
	Dana Point - Salt Creek to 300' D/C of Salt Creek	1/24/00	220	108	110
1/25/00	Rain Advisory - All Coastline	2/2/00	~	~	~
2/9/00	Capistrano Beach - Guardshack (SERRA S9)	3/16/00	340	550	900
	Capistrano Bay District (SERRA S11)	2/10/00	460	400	430
	Poche Beach (SERRA S15)	2/10/00	170	160	240
2/10/00	Rain Advisory - All Coastline	2/16/00	~	~	~
2/17/00	Rain Advisory - All Coastline	2/27/00	~	~	~
2/28/00	Rain Advisory - All Coastline	3/13/00	~	~	~
3/14/00	Newport Beach - N Street Beach	3/16/00		8164	216
	Laguna Beach - Bluebird Canyon (AWMA S15)	3/16/00	1900	60	240
	Laguna Beach - Three Arch Bay (SERRA S3)	3/16/00	60	40	3200
3/15/00	Laguna Beach - Main Beach	3/17/00	9000	8164	12033
	Laguna Beach - Treasure Island Pier	3/16/00	2400	121	228
3/17/00	Huntington Beach - Bluffs (OCSD 27N)	3/19/00	230	230	288
	Dana Point - Capistrano County Beach	4/28/00		213	345
3/19/00	Huntington State Beach - Brookhurst Street (OCSD 3N)	3/21/00	500	300	396
	upcoast to Newland Street (OCSD 6N)	~	220	110	226
	(OCSD 9N)	~	170	110	126
	Newport Beach - Corona Del Mar State Beach (OCSD 29S)	3/21/00	20	20	142
3/21/00	Huntington Harbour - 11th Street Beach	3/24/00	2400	262	776
	Capistrano Bay District (SERRA S11)	3/25/00	200	70	250
	(SERRA S13)	~	40	40	110
3/22/00	Huntington State Beach - Magnolia Street (OCSD 3N)	3/24/00	500	300	>400
	downcoast to Brookhurst Street (OCSD 6N)	~	<20	<20	150
	Newport Bay - Newport Dunes West	3/24/00	2400	465	98
3/26/00	Huntington State Beach - Santa Ana River (OCSD 0)	4/5/00	70	40	174
	upcoast to Brookhurst Street (OCSD 3N)	~	70	70	156
3/29/00	Seal Beach - San Gabriel River downcoast to 2nd Street	3/31/00	40	20	169
3/30/00	Laguna Beach - Bluebird Canyon (AWMA S15)	3/31/00	170	13	530
	Capistrano Bay District (SERRA S11)	4/11/00	90	140	180
	(SERRA S13)	~	90	70	150
	Newport Bay - Via Genoa	4/2/00	500	1145	1296
4/4/00	Newport Bay - Harbor Patrol Beach	4/8/00	800	1989	31
	Laguna Beach - Bluebird Canyon (AWMA S15)	4/5/00	>2000	290	>2000
4/5/00	Huntington State Beach - SCE Plant (OCSD 9N)	4/7/00	300	230	194
4/7/00	Huntington State Beach - Brookhurst Street (OCSD 3N)	see 4/16/00	40	30	122
4/12/00	Dana Point - Monarch Beach North	4/14/00	2400	31	160

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4/13/00	Huntington Harbour - Peter's Landing	4/15/00	1300	2282	355
4/14/00	Huntington City Beach - Bluffs (OCSD 27N)	4/19/00	40	40	210
4/16/00	Huntington State Beach - Magnolia Street (OCSD 6N)	see 4/19/00	500	500	234
	Huntington State Beach - Brookhurst Street (OCSD 3N)	~	130	80	156
4/17/00	Rain Advisory - All Coastline	4/23/00	~	~	~
4/18/00	Newport Bay - 19th Street Beach	4/20/00	800	638	12997
4/19/00	SAR to Warner Avenue (OCSD O)	4/23/00	>16000	16000	>600
	(OCSD 3N)	4/23/00	>16000	3000	>600
	(OCSD 6N)	4/28/00	>16000	2200	>600
	(OCSD 9N)	4/23/00	>16000	5000	>400
	(OCSD 12N)	4/21/00	16000	3000	>400
	(OCSD 15N)	4/21/00	5000	2400	>400
	(OCSD 21N)	4/21/00	>16000	1300	>400
	(OCSD 27N)	4/21/00	9000	500	840
	(OCSD 33N)	4/21/00	16000	500	>400
	(OCSD 39N)	4/21/00	3000	500	390
	Newport Beach - Big Corona Beach (OCSD 29S)	4/20/00	1700	800	384
	Crystal Cove - Los Trancos (OCSD 39S)	4/20/00	16000	3000	>240
	Laguna Beach - No. End of Victoria Beach (AWMA S14)	4/22/00	950	120	190
	Aliso Beach - Pillar House (AWMA S10)	4/20/00	>20000	4500	10000
	Aliso Beach - Treasure Island South Ramp (AWMA S11)	4/20/00	13000	2500	5200
4/20/00	Crystal Cove - Muddy Creek	4/22/00	<20	<10	>24192
	Crystal Cove - El Morro	4/22/00	5000	1010	<10
4/21/00	Huntington Harbour - Trinidad Beach	4/23/00	16000	545	<10
	Huntington Harbour - Davenport Beach	4/23/00	9000	683	10
	Huntington Harbour - 11th Street Beach	4/23/00	3000	405	20
4/22/00	Newport Bay - 19th Street Beach	4/25/00	>16000	1424	10
4/25/00	Newport Bay - Bayshore Beach	4/27/00	300	31	122
	Newport Bay - Newport Dunes North	4/27/00	170	240	132
4/27/00	Seal Beach - 1st Street	5/2/00	80	20	85
	Seal Beach - 8th Street	4/29/00	500	722	500
4/30/00	Huntington City Beach - CLGT #15 (OCSD 12N)	5/2/00	300	230	240
	Huntington State Beach - Magnolia Street (OCSD 6N)	See 5/18/00	300	300	316
5/2/00	Newport Bay - Newport Dunes North	5/12/00	170	1224	<10
5/3/00	Huntington State Beach - Brookhurst Street (OCSD 3N)	5/12/00	1300	1300	130
	Laguna Beach - Bluebird Canyon (AWMA S15)	5/4/00	12	2	>400
	Laguna Beach - Laguna Avenue (AWMA S16)	5/4/00	20	12	>400
5/4/00	Aliso Beach - Creek to 300' Downcoast (AWMA S9)	5/5/00	80	60	190
	Huntington Harbour - Clubhouse Marina	5/6/00	3000	4106	10
5/7/00	Huntington State Beach - SAR (OCSD 0)	5/11/00	1300	800	138
5/9/00	Newport Bay - Newport Dunes East	5/11/00	230	41	228
	Newport Bay - Garnet Avenue	5/11/00	500	145	428

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		Dana Point - Capistrano County Beach (SERRA S9)	5/11/00	400	130	180
		Poche Beach -150' U/C and 150' D/C of Creek (SERRA S15)	7/6/00	CF	2400	>2000
	5/11/00	Laguna Beach - Bluebird Canyon (AWMA S15)	5/13/00	>400	>400	25
		Seal Beach -1st Street	5/13/00	300	62	153
	5/17/00	Capistrano County Beach (dredging)	5/26/00	~	~	~
	5/18/00	Huntington State Beach - 500' U/C & D/C Magnolia Street	See 5/19/00	800	800	164
	5/19/00	Huntington State Beach - 500' U/C Magnolia St. (OCSD 6N)	5/26/00	40	20	14
		to Santa Ana River (OCSD 3N)	5/26/00	130	130	164
		(OCSD 0)	5/24/00	300	170	196
	5/21/00	Bolsa Chica State Beach - Reserve (OCSD 33N)	5/23/00	110	110	128
	5/23/00	Newport Bay - Dunes West	5/28/00	500	798	<10
		Newport Bay - Promontory Bay	5/28/00	3000	8164	41
	5/24/00	Laguna Beach - Treasure Island Pier (AWMA S12)	5/25/00	550	32	30
	5/25/00	Huntington Harbour - Sunset Aquatic	5/31/00	>16000	379	512
		Huntington Harbour - Peter's Landing	7/7/00	>16000	382	131
	5/31/00	Huntington State Beach - Magnolia Street (OCSD 6N)	6/1/00	130	130	116
	6/1/00	Huntington State Beach - Brookhurst Street (OCSD 3N)	6/2/00	500	300	164
		Newport Bay - Harbor Patrol Beach	6/12/00	700	933	313
	6/4/00	Huntington State Beach - Magnolia Street (OCSD 6N)	6/6/00	500	500	192
	6/6/00	Newport Bay - Abalone Avenue	6/8/00	>16000	195	556
		Newport Bay - Newport Dunes North	6/8/00	170	909	278
	6/7/00	Crystal Cove State Beach - Pelican Point	6/9/00	70	<10	187
	6/8/00	San Clemente - Avenida Calafia (SERRA S21)	6/11/00	<2	<2	400
	6/13/00	Huntington State Beach - Magnolia Street (OCSD 6N)	see 6/17/00	1700	1700	>400
		Newport Bay - Rhine Channel	6/19/00	500	307	794
		Newport Bay - Sapphire Avenue	6/15/00	1300	2489	<10
	6/16/00	Dana Point Harbor - Baby Beach Swim Area	see 6/22/00	800	538	20
		Doheny State Bch - SJC to end of pk (update from perm. List)	6/30/00	~	~	~
	6/17/00	Huntington State Beach - 500' U/C & D/C Magnolia Street	6/19/00	3000	3000	>400
	6/20/00	Newport Bay - Garnet Avenue	6/22/00	20	10	2489
		Newport Dunes - North End	6/22/00	170	1211	52
	6/22/00	Huntington Harbour - Davenport Beach	6/24/00	<20	<10	135
		Newport Beach - Balboa Pier (OCSD 21S)	6/23/00	40	40	154
		Aliso Beach - North End (AWMA S10)	6/24/00	130	8	120
		Dana Point Harbor - Baby Beach Swim Area to West End	6/30/00	80	145	216
	6/23/00	Huntington State Beach - Magnolia Street (OCSD 6N)	see 7/12/00	~	~	log mean
	6/27/00	Newport Bay- Promontory Point	6/29/00	230	181	134
		Newport Bay - Bayshore Beach	6/29/00	9000	20	110
		Newport Bay - 38th Street Beach	6/29/00	265	1956	10
	6/30/00	Laguna Beach - Treasure Island Pier (AWMA S12)	7/4/00	2	<2	400
	7/4/00	Bolsa Chica State Beach - SLGT #23 (OCSD 39N)	7/5/00	140	140	222
		Huntington Harbour - Sea Gate Lagoon	7/7/00	<20	<10	171

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POSTING LOG FOR AB411

		Laguna Beach - 1000 Steps (AWMA S4)	7/5/00	2	<2	180
		Dana Point Harbor - Baby Beach West End	7/13/00	~	~	log mean
7/5/00		Laguna Beach - Blue Lagoon (AWMA S13)	7/6/00	4	<2	214
		Aliso Beach-150' U/C to 150' D/C of Creek (AWMA S8.5)	7/9/00	240	70	460
		150'D/C to 300' D/C of Aliso Ck (AWMA S9)	7/6/00	100	30	130
7/6/00		Newport Bay - Newport Dunes North	7/9/00	70	1223	295
		Newport Bay - Park Avenue Balboa Island	7/8/00	500	171	119
		Newport Bay - 38th Street Beach	8/24/00	16000	2359	305
		Dana Point Harbor - Guest Dock	7/11/00	230	<10	122
7/11/00		Newport Bay - Newport Dunes Middle	7/13/00	20	<10	256
		Newport Bay - Rhine Channel	7/13/00	500	447	122
		Newport Bay - Park Avenue Balboa Island	7/13/00	230	52	108
		Doheny State Beach - 300' at Mouth SJC (SERRA 0)	see 7/13/00	2000	2000	540
		Poche Beach -150' U/C and 150' D/C of Creek (SERRA S15)	7/19/00	730	500	470
7/12/00		Huntington State/City Beach - 500' U/C (OCSD 6N)	8/13/00*	230	230	152
		Huntington Street to 500' Downcoast (OCSD 9N)	*8/16/00	230	230	246
		Magnolia Street * (7/13/00-500' U/C (OCSD 12N)	7/13/00	2400	2400	>400
		Newland to 500' D/C Magnolia) (OCSD 15N)	7/13/00	230	230	322
		Newport Beach - Little Corona	7/14/00	90	63	301
7/13/00		Doheny Beach - 250' U/C to 1000' D/C SJC (Ck. Release)	7/15/00	~	~	~
7/18/00		Huntington Harbour - Mother's Beach	7/20/00	90	754	201
		Huntington Harbour - Sea Gate Lagoon	7/20/00	130	74	135
		Huntington Harbour - Peter's Landing	7/25/00	121	52	121
		Newport Bay - Newport Dunes North	9/8/00	20	1086	20
		Aliso Beach - Aliso Creek to 300' D/C Creek (AWMA S9)	7/20/00	47	8	130
7/19/00		Dana Point - Salt Creek to 300' D/C of Creek (AWMA S2)	7/20/00	200	26	180
		Dana Point Harbor - Baby Beach West End	7/28/00	700	1250	<10
		Baby Beach Buoy Line	7/26/00	300	450	<10
7/20/00		Aliso Beach - Aliso Creek to 300' D/C Creek (AWMA S9)	7/23/00	47	8	130
7/23/00		Newport Beach - 38th Street (OCSD 9S)	7/25/00	<2	<2	272
7/25/00		Newport Bay - Lido Isle Yacht Club	7/27/00	230	<10	1137
		Newport Bay - 15th Street Beach	7/29/00	1300	536	74
		Aliso Beach - Aliso Creek to 300' D/C Creek (AWMA S9)	7/26/00	6	4	160
7/26/00		Doheny Beach - San Juan Creek to 300' D/C	7/28/00	110	<10	238
7/27/00		Laguna Beach - 1000 Steps (AWMA S4)	7/28/00	2	<2	>400
		Monarch Beach - 300' U/C of Salt Creek	7/29/00	900	110	240
7/28/00		Doheny State Beach-150' U/C & 150'D/C SLGT#7 (SERRA S5)	7/29/00	250	120	600
8/1/00		Doheny Beach - 250' U/C to 1000' D/C of SJC (Ck.Release)	8/2/00	~	~	~
		Dana Point - Capistrano County Beach to 500' (SERRA S9)	8/4/00	80	20	110
		D/C of Poche Creek (SERRA S11)	8/4/00	130	60	210
		Poche Beach (8/4/00 150' U/C-150' D/C Creek) (SERRA S15)	9/21/00	1180	410	600
		Newport Bay - Abalone Avenue	8/3/00	<20	41	119

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8/3/00	Huntington Harbour - Mother's Beach	8/5/00	20	1071	20
	Huntington Harbour - Davenport Beach	8/5/00	2400	121	350
	Aliso Beach - North End (AWMA S11)	8/4/00	50	28	140
8/8/00	Newport Bay - Bayshore Beach	8/18/00	5000	20	896
8/16/00	Huntington City Bch-500' U/C & D/C of Huntington St (OCSD 15N)	8/17/00	800	20	>400
	Dana Point Harbor - West End Baby Beach	8/18/00	230	932	<10
8/17/00	Bolsa Chica State Beach - SLGT#23 (OCSD 39N)	8/18/00	40	40	162
	Huntington State Beach - Magnolia Street (OCSD 6N)	8/18/00	130	130	106
	Doheny State Beach - DPH Breakwater to 300' D/C	8/19/00	9000	3654	146
8/19/00	Newport Bay - Bayshore Beach	8/22/00	300	199	146
8/22/00	Newport Bay - Garnet Avenue	8/24/00	110	544	238
	Newport Bay - Rhine Channel	8/24/00	1100	1191	275
	Newport Bay - Harbor Patrol Beach	8/26/00	80	132	109
	Newport Bay - Rocky Point Beach	8/24/00	20	350	122
	Newport Bay - Newport Dunes West End	8/24/00	40	173	141
8/23/00	Dana Point Harbor - Baby Beach Swim Area	8/25/00	<20	52	134
	Dana Point Harbor - Baby Beach Buoy Line	8/25/00	40	185	2247
	Doheny State Beach - SJC to 300' D/C	8/25/00	40	31	169
8/24/00	Doheny State Beach - 300' to 1000' D/C of SJC (SERRA S1)	8/25/00	170	80	260
8/28/00	Aliso Beach-250' U/C to 100' D/C of Aliso Creek (Ck. Release)	8/30/00	~	~	~
8/29/00	Huntington State Beach-500' D/C Newland to 500' (OCSD 6N)	see 9/1/00	5000	5000	>400
	U/C of Magnolia (OCSD 9N)	8/31/00	300	170	138
	Newport Bay - 500' at north end of Dunes	see 9/6/00	130	645	20
	Newport Bay - 38th Street	9/2/00	110	1039	20
8/30/00	Doheny State Park - SLGT #7 (SERRA S5)	9/6/00	180	160	170
	Monarch Beach - 300' U/C of Salt Creek	9/3/00	900	109	231
	Dana Point Harbor - Baby Beach Swim Area	9/9/00	500	3076	4611
	Dana Point Harbor - Baby Beach Buoy Line	9/1/00	70	512	<10
8/31/00	Huntington State Beach 500' U/C & D/C of Newland (OCSD 9N)	see 9/1/00	5000	5000	>400
9/1/00	Huntington State Beach-500' U/C Newland to 500' (OCSD 6N)	9/3/00	9000	9000	>400
	D/C of Magnolia (9/3/00-1 50' U/C&D/C Newland) (OCSD 9N)	9/5/00	<20	<20	176
9/3/00	Huntington State Beach 150' U/C & D/C Brookhurst (OCSD 3N)	9/5/00	800	800	202
9/6/00	Newport Bay - Garnet Avenue	9/8/00	1700	1183	20
(R)	Newport Bay - 300' North end of Dunes (reduction)	9/8/00	20	<10	<10
9/7/00	Crystal Cove State Beach - 150' U/C & D/C of Treasure Cove	9/9/00	220	74	669
	El Morro - 300' D/C of El Morro Creek	9/9/00	130	122	2014
	Laguna Beach - 150' U/C & D/C of Broadway Street	9/9/00	20	10	379
	Doheny State Park -SJC to 1500' D/C (SERRA 0)	see 9/13/00	70	80	570
	(9/8/00 - SJC to 300' D/C) (SERRA S1)	9/8/00	100	140	700
9/8/00	Huntington State Beach 150' U/C & D/C Newland (OCSD 9N)	see 9/10/00	130	130	124
9/10/00	Huntington State/City Beach-500' U/C Beach (OCSD 9N)	see 9/13/00	110	110	108
	to 500' D/C of Newland (OCSD 12N)	9/13/00	300	300	126

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9/13/00	Huntington State Beach - 150' U/C & D/C Newland (OCSD 9N)	9/15/00	230	230	134
	Newport Bay - Bayshore Beach	9/15/00	40	20	116
	Doheny State Beach - 500' U/C of SJC to (SERRA S0)	see 10/11/00	220	120	140
	end of Park (SERRA S1)	see 10/11/00	210	110	240
	(SERRA S3)	see 10/11/00	230	80	120
	(SERRA S5)	see 10/11/00	140	40	190
	(SERRA S7)	see 10/11/00	140	90	110
9/14/00	Capistrano County Beach to 150' D/C of Poche (SERRA S11)	see 10/26/2000	70	60	150
	Creek (SERRA S13)	see 10/26/2000	80	250	210
	Poche Beach (SERRA S15)	9/21/00	940	580	680
	Dana Point Harbor - Baby Beach Swim Area	see 9/20/00	20	1500	116
	Dana Point Harbor - Bouy Line	see 9/20/00	40	1607	132
9/15/00	Bolsa Chica State Beach-150' U/C & D/C SLGT 23(OCSD 39N)	9/17/00	170	170	178
	Huntington City Beach - 150' U/C&D/C 17th St. (OCSD 21N)	9/17/00	<20	<20	>400
9/17/00	Huntington State Beach-150'U/C&D/C Brookhurst (OCSD 3N)	see 9/18/00	500	220	120
9/18/00	Huntington State Beach-500' U/C&D/C Brookhurst (OCSD 3N)	see 9/20/00	~	~	~
9/19/00	Seal Beach - Breakwater to 300' D/C of Breakwater	9/22/00	500	336	160
	Newport Bay - Dunes North	9/21/00	20	496	185
	Newport Bay - Alvarado and Bay Isle	9/21/00	130	907	<10
9/20/00	Huntington State Beach-150' U/C&D/C Brookhurst (OCSD 3N)	9/22/00	70	70	106
	Crystal Cove State Beach - 300' U/C Los Trancos	9/22/00	<20	20	110
	Dana Point Harbor - All of Baby Beach (West End)	10/12/00 Long Term	1700	1722	86
	(Buoy Line)	10/12/00 Long Term	1300	3255	11199
	(Swim Area)	10/12/00 Long Term	5000	1860	1012
	(East End)	10/12/00 Long Term	2400	5172	663
9/22/00	Newport Bay - Bayshore Beach Play Beach (from closure)	9/26/00	5000	<10	1021
9/23/00	Rain Advisory - All Coastline	9/25/00	~	~	~
9/26/00	Newport Bay - Dunes East	9/28/00	16000	253	74
	Newport Bay - Dunes North	9/28/00	5000	1106	63
	Newport Bay - 15th Street	9/28/00	110	882	20
	Newport Bay - 10th Street	9/28/00	>16000	627	183
	Monarch Beach - 300' D/C of Salt Creek	11/4/00	>16000	12033	4884
9/27/00	Huntington State Beach-150' U/C&D/C Brookhurst (OCSD 3N)	9/29/00	1700	500	250
	Huntington State Beach - 150' U/C&D/C Newland St. (OCSD9N)	10/1/00	40	<20	14
	Huntington Harbour - Sunset Aquatic Park	9/29/00	3000	1250	20
	Dana Point - Poche Beach 150' U/C&D/C Creek (SERRA S15)	see 10/26/00	630	180	130
9/30/00	San Clemente - 150' U/C&D/C of Pier	10/2/00	5000	161	109
10/1/00	Huntington City Beach - 500'U/C LGT#24-500' (OCSD 27 N)	10/3/00	40	20	276
	D/C of 17th Steet (OCSD 21N)	10/3/00	<20	<20	324
10/3/00	Seal Beach - Breakwater to 300' D/C of Breakwater	see 10/11/00	80	185	214
	Newport Bay - Harbor Patrol Beach	10/5/00	220	158	331
	Newport Bay - Dunes North	see 10/18/00	230	256	158

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		Three Arch Bay - 150' U/C&D/C of Access Stairs (AWMA S3)	10/5/00	74	110	>400
	10/4/00	Aliso Beach - 150' U/C&D/C of Aliso Creek (Creek Release)	10/6/00	~	~	~
	10/6/00	Huntington State Beach - 150' U/C&D/C Newland St. (OCSD 9N)	10/8/00	20	20	136
		Huntington State Beach - Santa Ana River to 300' U/C (OCSD 0)	10/8/00	<20	<20	>400
	10/11/00	Rain Advisory - All Coastline	10/15/00	~	~	~
		Seal Beach - San Gabriel River Breakwater to Pier (1st St.)	see 10/13/00	800	332	10
		(8th Street)	see 10/13/00	3000	496	10
		Surfside - 150' U/C&D/C of Seaway	10/13/00	<20	31	121
		Huntington State Beach - 150' U/C&D/C Newland St. (OCSD 9N)	10/13/00	230	230	110
	(A)	All of Doheny (added Breakwater to 500' U/C of SJC)	see 1/11/01	5000	776	2613
	10/12/00	Huntington Harbour - 11th Street Beach	12/5/00	800	637	350
		Newport Bay - Dunes East	10/15/00	9000	265	131
		Newport Beach - Little Corona Beach	10/15/00	300	122	243
		Crystal Cove State Beach - 300' U/C Los Trancos	10/15/00	80	41	107
		Laguna Beach - Main Beach	10/15/00	16000	2851	1529
		San Clemente - Avenida Pico to (SERRA S17)	10/15/00	9700	5500	14200
		San Clemente Pier (SERRA S1)	10/17/00	720	390	590
		San Clemente - 150' U/C&D/C Las Palmeras (SERRA S23)	10/15/00	150	230	110
	10/13/2000 (R)	Seal Beach - Breakwater to 350' D/C of Breakwater (reduction)	see 11/21/00 (E)	16000	368	218
		Huntington State Beach - 500' U/C Magnolia (OCSD 0)	10/15/00	5000	700	116
		to Santa Ana River (OCSD 3N)	10/15/00	>16000	1100	102
	10/15/00	Dana Point Harbor - Boat Launch (From Closure)	10/18/00	230	73	187
	10/17/00	Huntington Harbor - Mother's Beach	10/19/00	20	20	175
	10/18/00 (E)	Newport Bay - Dunes East Swim Area to Pedestrian Bridge	see 11/3/00	20	<10	161
	10/25/00	Newport Bay - Onyx Avenue	10/27/00	800	988	171
		Newport Bay - 38th Street Beach	11/3/00	3000	74	135
	10/26/00	Newport Beach - Little Corona Beach	11/2/00	130	1421	262
		Crystal Cove State Beach - 300' D/C of El Morro Creek	11/2/00	40	41	185
		Laguna Beach - Emerald Bay	11/2/00	40	41	309
		Laguna Beach - Main Beach	11/2/00	230	156	292
	(R)	Capistrano County Beach (SERRA S11)	2/26/01 (see 3/2)	20	10	180
		(SERRA S13)	2/26/01 (see 3/2)	20	20	250
	(R)	Poche Beach - 150' U/C & 150' D/C of Poche Creek (SERRAS15)	see 12/7/00	20	10	900
	10/27/00	Rain Advisory - All Coastline	11/2/00	~	~	~
		Bolsa Chica State Beach - 150' U/C&D/C SLGt#23 (OCSD 39N)	11/1/00	500	300	262
	10/29/00	Huntington State Beach - 500' U/C Beach Blvd. (OCSD 12N)	11/1/00	5000R	170R	136R
		to Santa Ana River (OCSD 9N)	11/2/00	16000R	230R	340R
		(11/1/00 - 500' U/C Newland to SAR) (OCSD 6N)	11/2/00	5000R	300R	202R
		(OCSD 3N)	11/2/00	3000R	800R	360R
		Newport Beach - 500' D/C Orange Street (OCSD 3S)	11/2/00	9000R	500R	262R
		(OCSD 0)	11/2/00	9000R	500R	278R
		Newport Beach - Corona del Mar State Beach (OCSD 29S)	11/1/00	9000R	130R	160R

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10/30/00	San Clemente-1000' U/C&D/C Pico Drain (From Closure)	see 11/2/00	5000	1187	1842
11/2/00 (R)	San Clemente - 300' Section of North Beach (From Closure)	11/4/00	90	20	161
11/3/00 (R)	Newport Bay - Dunes East	see 11/8/00	500	<10	<10
11/7/00 (E)	Capistrano Bay District	11/29/00	310	130	110
11/8/00	Huntington State Beach-150' U/C&D/C Brookhurst (OCSD 3N)	see 11/14/00	170	170	380
	Newport Bay - Dunes North	11/10/00	<20	10	10
	Newport Bay - Dunes East	11/15/00	500	605	187
	Newport Bay - Dunes Middle	11/10/00	170	209	1236
	Newport Bay - Dunes West	11/10/00	230	63	158
	Newport Bay - Rhine Channel	11/10/00	500	487	31
	Newport Bay - 19th Street Beach	12/6/00	800	1119	620
	Newport Bay - 38th Street Beach	11/10/00	2400	31	488
11/13/00	Newport Beach-300' of Corona del Mar State Bch (OCSD29S)	11/15/00	800	800	64
11/14/00 (E)	Huntington State Beach-500' U/C Magnolia to (OCSD 6N)	11/16/00	500	500	96
	500' D/C of Brookhurst (OCSD 3N)	11/15/00	300	300	134
	Laguna Beach - 300' of Main Beach	11/16/00	300	41	211
	Laguna Beach - Bluebird Canyon (AWMA S15).	11/16/00	>2000	>2000	420
11/15/00	Huntington City Beach-150' U/C & D/C Huntington St. (OCSD 15N)	11/17/00	<20	<20	258
11/16/00	Huntington Harbour - Sunset Aquatic Park	11/18/00	170	30	199
	Huntington State Beach-150' U/C & 150' D/C Brookhurst (OCSD 3N)	11/17/00	1300	1300	88
11/21/00	(E) Seal Beach - SGR Breakwater to Pier (1st Street)	see 12/1/00	300	31	71
	(8th Street)	11/24/00 (R)	170	10	168
	Huntington Harbour - Trinidad Beach	11/24/00	500	663	<10
	Huntington Harbour - Sunset Aquatic Park	12/21/00	300	185	474
	Newport Beach - Little Corona Beach	11/24/00	500	1616	85
11/27/00	Huntington State Beach - 150' U/C & D/C Brookhurst St. (OCSD 3N)	11/29/00	70	70	112
11/28/00	Laguna Beach - Lifeguard Headquarters to	11/30/00	800	63	132
	Hotel Laguna (AWMA S16)	11/30/00	220	190	270
	Laguna Beach - Three Arch Bay (AWMA S3)	11/30/00	36	26	360
	Dana Point - 300' North end of Salt Creek Beach (AWMA S2)	11/30/00	Cw/c	100	180
12/1/00 (E)	Seal Beach - SGR Breakwater to 700' D/C	see 12/5/00 (R)	500	272	52
12/5/00 (R)	Seal Beach - SCR Breakwater to 350' D/C	12/28/00	80	145	<10
12/6/00	Newport Bay - 300' of North Star Beach	12/8/00	300	776	10
	Newport Bay - Rhine Channel	12/8/00	3000	613	52
	Newport Bay - 300' of North end of Dunes	12/8/00	500	345	134
	Newport Bay - 300' of West end of Dunes	12/8/00	800	470	41
12/7/00	Huntington Harbour - Clubhouse Marina	12/9/00	1100	74	199
	(E) Dana Point - Capistrano Bay District to (SERRA S11)	Long Term 3/11/01	10	40	50
	500' D/C of Poche Creek (SERRA S13)	Long Term 3/11/01	60	10	50
	San Clemente - 150' D/C of Lifeguard Headquarters	12/9/00			
12/10/00	Huntington State Beach - 500' U/C & D/C Brookhurst St. (OCSD 3)	12/14/00	800	800	206
12/12/00	Huntington Harbour - 11th Street Beach	12/14/00	500	404	171

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		Laguna Beach - 300' of Main Beach	see 12/13/00	500	327	189
		Monarch Beach - Salt Creek to 300' D/C	12/14/00	220	10	156
	12/13/00	Newport Bay - Harbor Patrol Beach	12/15/00	130	31	121
		Newport Bay - Abalone Avenue	12/20/00	80	10	160
		Newport Bay - Grand Canal	12/15/00	20	20	213
		Newport Beach - 500' between 15th & 16th Streets (OCSD 15S)	12/15/00	500	500	264
		(E) Laguna Beach - 500' U/C of Lifeguard Headquarters to	see 12/14/00	500	327	189
		500' D/C of Hotel Laguna (AWMA S16)	~	>400	96	350
		Dana Point - 150' D/C & 150' U/C Selva Ramp	12/14/00	12	12	200
		San Clemente - 300' of North End of North Beach	12/15/00	650	240	1100
	12/14/00	(R) Laguna Beach - 300' at Hotel Laguna (AWMA S16)	12/22/00	280	170	50
	12/20/00	Newport Bay - Rhine Channel	12/27/00	9000	24192	31
		Newport Bay - 10th Street Beach	12/22/00	20	61	379
	12/21/00	Huntington Harbour - 11th Street Beach	Long Term 3/11/01	1700	452	318
	12/27/00	Newport Bay - Abalone Avenue	1/6/01	20	<10	41
	12/28/00	Huntington Harbour - Sunset Aquatic Marina	12/30/00	40	10	52
		Huntington Harbour - Admiralty Drive Channel	2/23/01	90	110	364
	2000 Summary	Postings Rain Advisories Creek Releases Misc.				
	January	26 1				
	February	3 3				
	March	18 1				
	April	26 1				
	May	23 0				
	June	24 0				
	July	33 0 1				
	August	28 0 1				
	September	26 1				
	October	30 2 1				
	November	18 0				
	December	22 0				
	Totals	277 9 3				
1	1/4/01	Newport Bay - Newport Dunes East	1/6/01	1700	1414	<10
2	1/5/01	Seal Beach - SGR breakwater to 300' downcoast	1/19/01	<20	20	80
3		Newport Beach - 300' of Corona del Mar State Beach (OCSD 29S)	1/7/01	300	300	158
4	1/7/01	Huntington State Beach - 500' U/C & D/C Brookhurst (OCSD 3N)	1/18/01	1100	1100	172
1	1/8/01	Rain Advisory - All Coastline	1/16/01	~	~	~
	1/11/01 (R)	Doheny State Beach-Ped. Bridge to end park (Red. due to closure)	see 1/18/01 (E)	~	~	~

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5	1/18/01	Newport Beach - 300' @ Orange Street (OCSD 3S)	1/19/01	2200	220	32
6		Newport Bay - Dunes All - Middle	2/23/01	800	122	669
		Newport Bay - Dunes All - West	2/9/01	3000	2046	4352
		Newport Bay - Dunes All -East	1/20/01 (R)	330	74	98
		Newport Bay - Dunes All - North	1/20/01 (R)	300	74	160
7		Newport Bay - 38th Street	1/25/01	16000	86	134
8		Newport Bay - North Star Beach	2/23/01	500	187	5172
9		Newport Bay - Alvarado & Bay Isle	1/20/01	230	<10	135
	(E)	All of Doheny State Park Beach(reposting after closure-see 1/1 1/01	2/26/01(see 3/2)	~	~	~
10	1/19/01	Seal Beach - 8th Street	see 1/25/01 (E)	300	85	311
11	1/23/01	Salt Creek Beach - Salt Creek to 300' D/C	1/31/01	800	253	253
2	1/24/01	Rain Advisory - All Coastline	1/31/01	~	~	~
12	1/25/01 (E)	Seal Beach - SGR Breakwater to Seal Beach Pier	see 2/2/01	230	74	171
13		Newport Bay - Lido Isle Yacht Club Beach	1/31/01	230	121	259
	2/2/01(R)	Seal Beach - SGR breakwater to 300' downcoast	2/3/01	~	~	~
14		Huntington State Beach - 150' U/C & D/C Brookhurst (OCSD 3N)	see 2/3/01	2800	~	24
	2/3/01(E)	Huntington State Beach - 500' U/C & D/C Brookhurst (OCSD 3N)	see 2/6/01	2800	2800	24
	2/6/01(R)	Huntington State Beach - 150' U/C & D/C Brookhurst (OCSD 3N)	2/8/01	~	~	~
15		Newport Beach - 300' at north end of Corona del Mar State Beach	2/8/01	80	131	109
16	2/7/01	Seal Beach - 150' U/C & D/C of 8th Street	2/9/01			54
17		Huntington City Beach-500' U/C&D/C Dog Beach (OCSD 27N)	2/9/01	800	800	184
18		Newport Bay - Onyx Avenue	2/9/01	9000	12033	7701
19		Newport Bay - Sapphire Avenue	2/9/01	20	10	185
20		Newport Bay - Via Genoa	2/9/01	130	20	109
21		Newport Bay - Promontory Point Channel	2/9/01	300	52	5794
22		Newport Bay - Harbor Patrol Beach	2/9/01	130	86	240
23	2/8/01	Huntington City Beach-150' U/C&D/C Huntington St. (OCSD 15N)	2/9/01	800	500	64
24		Huntington Harbour - Humboldt Beach	2/10/01	3000	73	3076
25		Huntington Harbour - Davenport Beach	2/10/01	2400	10	272
26		Huntington Harbour - Coral Cay Beach	2/10/01	3000	4611	1935
27		Laguna Beach - 150' U/C&D/C of Laguna Hotel (AWMA S16)	2/10/01	Cw/C	410	>2000
28		Laguna Beach - 150' U/C&D/C of Bluebird Canyon Dr. (AWMA S	2/10/01	470	130	160
29		Aliso Beach - Treasure Island (AWMA S11)	2/10/01	190	30	110
		- Aliso North (AWMA S10)	2/10/01	220	70	140
		- Aliso Mid (AWMA S9)	2/10/01	480	2310	140
		- Aliso South (AWMA S8)	2/10/01	200	100	160
3	2/10/01	Rain Advisory - All Coastline	2/16/01	~	~	~
30	2/17/01	Huntington State Beach -300' U/C of SAR to	~	~	~	~
		Newport Beach - 300' D/C of SAR (from closure)	2/20/01	~	~	~
4	2/20/01	Rain Advisory - All Coastline	3/13/01	~	~	~
31	2/21/01	Laguna Beach - 150' U/C & D/C of Anita Street (from closure)	2/23/01	~	~	~
32	2/25/01	Huntington State Beach 1000' U/C of SAR to	~	~	~	~

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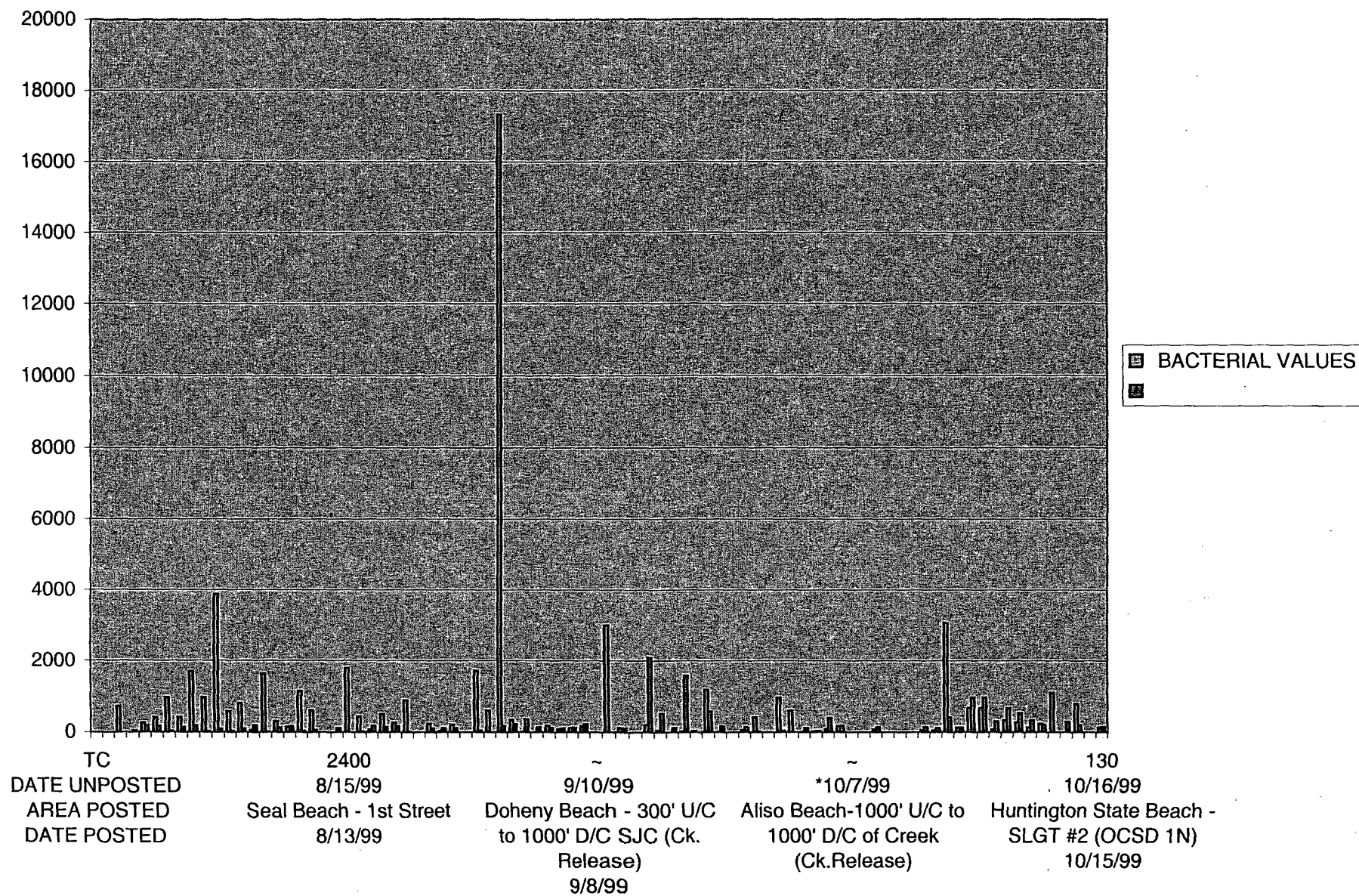
		Newport Beach - 1000' D/C of SAR (from closure)	3/8/01	~	~	~
33		Newport Beach - Newport Slough (from closure)	3/11/01	~	~	~
1	3/2/2001 (C)	Dana Point-Doheny St. Beach(from closure-reposting-see 1/18/01)	Long Term 3/11/01	~	~	~
	(C)	Dana Point-Capo. Co. Beach (from closure-reposting see 10/26/00)	Long Term 3/11/01	~	~	~
2	3/14/01	Newport Bay - Sapphire Avenue	3/16/01	20	10	121
3		Newport Bay - North Star Beach	3/16/01	500	97	132
4		Laguna Beach - Cress Street D/C to Pearl Street (dead fish & birds	3/15/01	430	300	350
1		San Clemente - 150' U/C & D/C of Riveria Tunnel (Creek Release)	3/15/01	~	~	~
5	3/15/01	Huntington Harbour - Trinidad Beach	3/17/01	800	556	63
6		Newport Beach - Newport Slough	3/17/01	6131	30	131
7	3/19/01	Newport Beach - 150' U/C & D/C of Orange Street	3/20/01	800	>400P-170	80
8	3/20/01	Dana Point - 300' of Salt Creek Beach @ south End of Ritz Cove	3/21/01	26	1	130
9		Newport Bat - Dunes Middle	3/22/01	70	50	150
10	3/22/001	Huntington Harbour - Mother's Beach	3/24/01	530	540	40
11	3/27/01	Aliso Beach - Aliso Creek D/C to Camel Point (AWMA S8)	3/29/01	510	330	320
		(AW	~	200	110	160
12		Newport Bay - Grand Canal	3/29/01	30	10	150
13		Newport Bay - Rocky Point	3/31/01	460	520	70
14	3/28/01	Laguna Beach - 300' of Victoria Beach (AWMA S14)	3/29/01	Cw/C	>400	64
15	3/29/01	Huntington Harbour - Huntington Harbour Marina	3/31/01	TNTC	10800	7600
16		Huntington Harbour - Admiralty Drive	3/31/01	10	10	200
17		Huntington Harbour - Anaheim Bay Gas Dock	3/31/01	10	10	200
18	3/30/31	Crystal Cove State Park - Muddy Creek	4/1/01	8800	2000	1600
19		Monarch Beach - 300' D/C of Salt Creek	4/1/01	30	40	260
1	4/3/01	Newport Bay - Dunes East	4/5/01	330	350	120
2		Newport Bay - Alvarado & Bay Isle	4/12/01	100	20	480
3		Newport Bay - Rhine Channel	4/5/01	>4400	>3400	95
4	4/5/01	Seal Beach - 500' D/C of Seal Beach Pier	4/7/01	3000	2400	1090
5		Huntington Harbour - Huntington Harbour Marina	4/7/01	4800	3600	340
6		Newport Slough - Grant Street	4/7/01	150	40	130
7	4/6/01	Aliso Beach - 150' U/C & D/C of Concession Stand	4/9/01			
1	4/7/01	Rain Advisory - All Coastline	4/13/01	~	~	~
8	4/8/01	Huntington State Beach - 500' U/C Newland Street (OCSD 9N)	4/11/01	170	170	112
		to 500' D/C of Magnolia Street (OCSD 6N)	~	300	300	136
9	4/10/01	Newport Bay - 38th Street Beach	4/12/01	2000	90	1000
10		Newport Bay - Lido Isle Yacht Club Beach	4/12/01	TNTC	570	130
11		Newport Bay - Via Genoa	4/12/01	TNTC	650	120
12		Newport Bay - Bayshore Beach	4/15/01	18400	230	70
13		Newport Bay - DeAnza Ramp	4/12/01	22200	370	110
14		Newport Bay - Harbor Patrol Beach	4/17/01	90	170	410
15		Newport Bay - Onyx Avenue	4/12/01	4000	130	150
16		Newport Bay - "N" Street Beach	4/12/01	>17000	150	10

1999-2000

2001 Summary	Postings	Rain Advisories	Creek Releases	Misc.
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1999-2000
POSTING LOG FOR AB411

	February	33	4				
	March	19	0	1			
	April	32	2				
	May						
	June						
	July						
	August						
	September						
	October						
	November						
	December						
	Totals						



San Diego County - Beach Closure Report - 1997

Posted	Unposted	Location	Cause	# of Days Posted
1/7/97	1/8/97	Mission Bay (East Side)	Elevated Fecal Coliform	1
1/10/97	1/11/97	Mission Bay (Tecolote)	Sewage spill - 286 gallons	1
1/13/97	1/17/97	Imperial Beach	Rain	4
1/14/97	1/16/97	Silver Strand	Rain/Sewage	2
1/13/97	1/17/97	Loma Alta Lagoon	Sewage spill - 21,000 gallons	4
1/13/97	1/19/97	Cardiff State Beach	Sewage spill - 2,794,000 gallons	6
1/13/97	1/30/97	Mission Bay	Rain	23
1/26/97	1/28/97	Tourmaline Surf Park	Sewage spill - 2,670 gallons	2
1/26/97	1/29/97	Imperial Beach	Sewage/Rain	3
1/29/97	1/31/97	Buccaneer Beach	Sewage spill - 45,000 gallons	2
1/26/97	1/29/97	Mission Bay (Rose Creek)	Sewage spill - 1,500 gallons	3
2/6/97	2/8/97	Mission Bay	Rain	2
2/14/97	2/15/97	Moonlight Beach	Fuel spill	1
2/17/97	2/19/97	Oceanside Harbor	Sewage spill - 9,000 gallons	2
2/25/97	2/28/97	Buena Vista Lagoon	Sewage spill - 1,750,000 gallons	3
2/27/97	3/3/97	Mission Bay	Sewage spill - 275 gallons	5
3/1/97	3/4/97	Avd de la Playa	Sewage spill - 355 gallons	3
3/25/97	3/27/97	Tourmaline	Storm drain Discharge	2
4/9/97	4/22/97	Avd de la Playa	Storm drain Discharge	13
4/17/97	4/19/97	San Elijo Lagoon	Lagoon Opening	2

Posted	Unposted	Location	Cause	# of Days Posted
4/19/97	4/28/97	Del Mar Boat Basin	Sewage spill - 600 gallons	9
4/23/97	4/25/97	Torrey Pines Beach	Lagoon Opening	2
4/30/97	5/2/97	Kellogg Beach	Sewage spill - 452 gallons	2
5/22/97	5/23/97	Torrey Pines State Beach	Lagoon Opening	1
5/26/97	5/29/97	WindanSea Beach	Sewage spill - 12,000 gallons	3
6/4/97	6/5/97	Avd de la Playa	Sewage spill - 423 gallons	1
7/2/97	7/5/97	San Diego Bay	Sewage spill - 17,500 gallons	3
7/11/97	7/12/97	Mission Bay (Bonita Cove)	Elevated Fecal Coliform	1
7/11/97	7/14/97	Dog Beach in Ocean Beach	Sewage spill - 6,720 gallons	3
8/4/97	8/7/97	Dog Beach	Sewage spill - 1,070 gallons	3
8/8/97	8/9/97	Carnation Ave to Palm Ave	Elevated Fecal Coliform	1
8/12/97	8/13/97	12th Street, Del Mar	Sewage spill - 900 gallons	1
8/22/97	8/23/97	WindanSea Beach	Sewage spill - 500 gallons	1
9/16/97	9/23/97	San Elijo Lagoon	Lagoon Opening	7
9/26/97	9/30/97	Carnation Ave to Border	Rain/Sewage	3
9/30/97	10/7/97	San Diego Bay	Sewage spill - 25,200 gallons	8
10/15/97	10/18/97	San Diego Bay	Sewage spill - 26,000 gallons	3
11/5/97	11/6/97	Fletcher Cove	Storm drain Discharge	1
11/27/97	11/30/97	Carnation Ave. to Border	Sewage/Rain	4
12/6/97	12/11/97	Carnation Ave to Border	Sewage/Rain	3
12/9/97	12/11/97	Silver Stand and Coronado	Sewage/Rain	2
12/9/97	12/12/97	WindanSea	Sewage spill - 500 gallons	3

Posted	Unposted	Location	Cause	# of Days Posted
12/9/97	12/12/97	Cardiff State Beach	Lagoon Opening	3
12/26/97	12/28/97	Dog Beach	Sewage spill - 3,800 gallons	2
1/13/97	1/16/97	General Advisory	Rain	3
1/26/97	1/29/97	General Advisory	Rain	3
9/25/97	9/28/97	General Advisory	Rain	3
11/10/97	11/13/97	General Advisory	Rain	3
11/26/97	11/29/97	General Advisory	Rain	3
11/30/97	12/2/97	General Advisory	Rain	3
12/6/97	12/9/97	General Advisory	Rain	3
12/22/97	12/25/97	General Advisory	Rain	3

Seasonal and Chronic Permanent Posting Locations

- Loma Alta Lagoon in Oceanside - Closed from Oct. to May. Reopened June to Sept.
- End of Seacoast Dr. to International Border - Opened 7/23/97
- Chilrens Pool - 9/4/97 to Present (Seal contamination)

Permanent Storm drain Posting Locations

San Luis Rey River	Playa del Norte
Moonlight Beach, Encinitas	Marine St.
Fletcher Cove, Solana Beach	Coast Blvd. North of Ravina
Seascape Beach, Solana Beach	Palomar Ave.
17 th St., Del Mar	S. of Loring Street
15 th St., Del Mar	Missouri St.
El Paseo Grande	Grand Ave.
Camino Del Oro	W. Pt. Loma Blvd.
Vallecitos	Felspar
Avd de la Playa	North Beach, Coronado
Coast Blvd - Nicholson Pt.	Fern Glen
Ravina	Tourmaline
Vista de la Playa	Playa del Sur
Bonair	

Monitoring Program and Closing/Advisories in San Diego in 1997

Monitoring Program	Testing Frequency	Miles of Beach/ Miles Monitored	Storm Drains On/near Beaches	Number of closings/ advisories
Yes	Weekly, bi-weekly Or monthly	71 miles/all	Yes	178 plus 30 permanent

General Advisory Criteria

San Diego County issues general advisories following rain events over 0.20" for localized areas near storm drains, rivers, lagoons and creek outlets.

Swimmers and surfers are advised to avoid these areas for 72 hours following any storm event. Advisories are counted as one per day in our total but include a number of beach areas.

Closing/Advisory Issuance:

A Beach and Bay hotline and web page is provided to the community which describes the beach posting locations and water conditions for the day by calling (619) 338-2073 or accessing the County's Web page at <http://www.co.san-diego.ca.us>.

The Beach and Bay advisory is faxed to lifeguards, included on the weather page in the Union Tribune and faxed to local media agencies.

##

From: Clay Clifton <CCLIFTEH@co.san-diego.ca.us>
To: <colek@rb9.swrcb.ca.gov>
Date: 5/9/01 12:08PM
Subject: 1998, 1999, and 2000 beach closure reports

Kary,
see attached MS Word and Excel files. I'll put a copy of the 1997 report in the mail.

Clay Clifton
County of San Diego
Dept of Environmental Health
Land & Water Quality Division

SAN DIEGO COUNTY BEACH CLOSURE REPORT
5 YR SUMMARY (1995-2000)

YEAR	INCIDENTS	# INCIDENTS DUE TO SEWAGE	# INCIDENTS DUE TO OTHER	# TOTAL DAYS CLOSED OR UNDER ADVISORY	DAYS CLOSED DUE TO SEWAGE	DAYS UNDER ADVISORY DUE TO OTHER
2000	322 6 G. Advisories 328 total	47	253 Exceedances 22 Other 6 G. Advisories	2236 38 days under G. Advisory	248	1910 Exceeding standards 78 Other
1999	128 7 G. Advisories 135 total	33	78 Exceedances 17 Other 7 G. Advisories	720 days 29 days under G. Advisory	127	522 Exceeding standards 71 Other
1998	81 13 G. Advisories 94 total	74	8 Other 13 G. Advisories	443 days 59 days under G. Advisory	424	19
1997	52	29	23	173	88	85
1996	67	30	37	270	93	177
1995	60	55	89	339	250	89



Cal/EPA

California
Regional Water
Quality Control
Board, San Diego
Region

9771 Clairemont Mesa
Blvd., Suite A
San Diego, CA 92124
(619) 467-2952
FAX (619) 571-6972

OC beaches

April 8, 1998



Pete Wilson
Governor

Mr. David A. Caretto
SERRA
30290 Rancho Viejo Road
San Juan Capistrano, CA 92675

Dear Mr. Caretto:

Receipt of monitoring reports for Order No. 95-01: NPDES No.
CA0107417

Facility: SERRA Ocean Outfall
WDID No.: 9 000000175

This will acknowledge receipt of the February 1998 monthly
monitoring report, the July - December 1997 semiannual
monitoring report, and the 1997 annual monitoring report.

The next monitoring report due is the March 1998 monthly
report.

The following comments refer to the report just received:

The February 1998 monthly reports show that total and fecal
coliform and enterococcus receiving water limitations were
not met at several stations. At this time we do not believe
these results were attributable to the permitted discharge.

Thank you for your monitoring report submission. If you
have any questions, please call Ms. Susan Pease at the above
number.

Sincerely,

Susan Pease

For: John H. Robertus
Executive Officer



SOUTH EAST REGIONAL RECLAMATION AUTHORITY

30290 RANCHO VIEJO ROAD • SAN JUAN CAPISTRANO, CA 92675 • (714) 770-6296

May 21, 1998

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

SUBJECT: APRIL 1998 SUMMARY OF VIOLATIONS OF ORDER NO. 95-01
SERRA NPDES PERMIT NO. CA0107417.

Surface Water Unit,

No effluent violations occurred during April.

Total and fecal coliform and enterococcus exceeded the limit at stations S0, S2, S15, and C1. Total coliform and enterococcus exceeded the limit at S1, S4, S17 and C2. Enterococcus only exceeded the limit at S3, S5, S7, S9, S11, and S19. Heavy rains during the month caused increased runoff. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

Matthew P. Smith, P.E.
Director of Engineering

1998 MAY 28 P 12:20

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

SP

A public agency created by:

CAPISTRANO BEACH SANITARY DISTRICT • DANA POINT SANITARY DISTRICT • CITY OF SAN CLEMENTE
MOULTON NIGUEL WATER DISTRICT • CITY OF SAN JUAN CAPISTRANO • SANTA MARGARITA WATER DISTRICT



SOUTH EAST REGIONAL RECLAMATION AUTHORITY

30290 RANCHO VIEJO ROAD • SAN JUAN CAPISTRANO, CA 92675 • (714) 770-6296

June 18, 1998

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

SUBJECT: MAY 1998 SUMMARY OF VIOLATIONS OF ORDER NO. 95-01
SERRA NPDES PERMIT NO. CA0107417.

Surface Water Unit,

No effluent violations occurred during May.

Total and fecal coliform and enterococcus exceeded the limit at stations S0, S1, S2, S3, S5, S7, C1 and C2. Fecal coliform and enterococcus exceeded the limit at S9. Total coliform and enterococcus exceeded the limit at S15. Enterococcus only exceeded the limit at S11, S13, S17, S19 and S21. Rainfall during the month caused increased runoff. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

Matthew P. Smith, P.E.
Director of Engineering

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MOULTON NIGUEL WATER DISTRICT • CITY OF SAN JUAN CAPISTRANO • SANTA MARGARITA WATER DISTRICT



SOUTH EAST REGIONAL RECLAMATION AUTHORITY

30290 RANCHO VIEJO ROAD • SAN JUAN CAPISTRANO, CA 92675 • (714) 770-6296

February 22, 1999

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

RECEIVED
WATER QUALITY
CONTROL BOARD
FEB 25 A 11:57

SUBJECT: JANUARY 1999 SUMMARY OF VIOLATIONS OF ORDER NO. 95-01
SERRA NPDES PERMIT NO. CA0107417.

Surface Water Unit,

No effluent violations occurred during January 1999.

Effluent cBOD data is not available for 1/3/99. The dilution water used for the analysis did not meet QA limits. No TSS data is available for one weekly influent sample from the Capistrano Beach Treatment Facility due to technician error in the SERRA laboratory.

Total and fecal coliform and enterococcus exceeded the limit at stations S0, C1 and C2. Enterococcus only exceeded the permit limit at stations S1, S2, S3, S4, S5, S7, S9, S11, S13, S15, and S17. Rainfall during the month increased runoff to storm drain channels in the area. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

Matthew P. Smith, P.E.
Director of Engineering

CEB 9/10/99

1) missing signatory statement

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CAPISTRANO BEACH SANITARY DISTRICT • DANA POINT SANITARY DISTRICT • CITY OF SAN CLEMENTE
MOULTON NIGUEL WATER DISTRICT • CITY OF SAN JUAN CAPISTRANO • SANTA MARGARITA WATER DISTRICT



SOUTH EAST REGIONAL RECLAMATION AUTHORITY

30290 RANCHO VIEJO ROAD • SAN JUAN CAPISTRANO, CA 92675 • (714) 770-6296

March 11, 1999

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

*Missing
signature
statement*
SUBJECT: FEBRUARY 1999 SUMMARY OF VIOLATIONS OF ORDER NO. 95-01
SERRA NPDES PERMIT NO. CA0107417.

Surface Water Unit,

No effluent violations occurred during February 1999.

Effluent cBOD data is not available for February 4, 7, and 28, 1999. The dilution water used for the analyses did not meet QA limits. No influent TSS and cBOD data is available for the week of February 7 from the Capistrano Beach Treatment Facility. The SERRA laboratory staff will assist the Capistrano Beach staff with any sample collection problems to ensure complete data submissions in the future.

Total and fecal coliform and enterococcus exceeded the limit at stations S0, S1, S7, S9, C1 and C2. Total coliform and enterococcus exceeded the limit at station S5. Enterococcus only exceeded the permit limit at stations S2, S3, S6, S11, S13, S15, S17, S19 and S23. Rainfall during the month increased runoff to storm drain channels in the area. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

Matthew P. Smith, P.E.
Director of Engineering

A public agency created by:

CAPISTRANO BEACH SANITARY DISTRICT • DANA POINT SANITARY DISTRICT • CITY OF SAN CLEMENTE
MOULTON NIGUEL WATER DISTRICT • CITY OF SAN JUAN CAPISTRANO • SANTA MARGARITA WATER DISTRICT



SOUTH EAST REGIONAL RECLAMATION AUTHORITY

30290 RANCHO VIEJO ROAD • SAN JUAN CAPISTRANO, CA 92675 • (714) 770-6296

April 20, 1999

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

SUBJECT: MARCH 1999 SUMMARY OF VIOLATIONS OF ORDER NO. 95-01
SERRA NPDES PERMIT NO. CA0107417.

Surface Water Unit,

No effluent violations occurred during March 1999.

Effluent cBOD data is not available for March 1, 2, 3 and 28, 1999. Influent cBOD data for the J.B. Latham Facility is not available for the first week and the Capistrano Beach Facility for the fourth week of March. The dilution water used for these analyses did not meet QA limits; the blank dilution was greater than 0.3 mg/L.

Total and fecal coliform and enterococcus exceeded the limit at stations S0, S1, S5, C1 and C2. Fecal coliform and enterococcus exceeded the limit at stations S2, S3, S7, S9, and S13. Enterococcus only exceeded the permit limit at stations S11, S15, S17, and S19. Rainfall during the month increased runoff to storm drain channels in the area. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

Matthew P. Smith, P.E.
Director of Engineering

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California Regional Water Quality Control Board

San Diego Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb9/>
9771 Clairemont Mesa Boulevard, Suite A, San Diego, California 92124-1324
Phone (858) 467-2952 • FAX (858) 571-6972

Gray Davis
Governor

April 10, 2001

Mr. David A. Caretto
South East Regional Reclamation Authority
30290 Rancho Viejo Road
San Juan Capistrano, CA 92675

Dear Mr. Caretto:

**RECEIPT OF MONITORING REPORTS FOR ORDER NO. 2000-13, NPDES NO.
CA0107417
FACILITY: SOUTH EAST REGIONAL RECLAMATION AUTHORITY
WDID NO.: 9 000000175**

This will acknowledge receipt of the July – September 2000 Quarterly Monitoring Report, October 2000 Monthly Monitoring Report, November 2000 Monthly Monitoring Report, December 2000 Monthly Monitoring Report, October – December 2000 Quarterly Monitoring Report, July – December 2000 Semiannual Monitoring Report, January – December 2000 Annual Monitoring Report, and the January 2001 Monthly Monitoring Report.

Comments regarding the July - September 2000 Quarterly Monitoring Report:

- No comments at this time.

Comments regarding the October 2000 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at receiving water sampling stations S0, S1, S2, S3, S5, S7, S17 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at stations S15, C1 and C2 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at stations S0, S1, S2, S3, S5, S7, S9, S11, S13, S15, S17, S19, C1 and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at stations S15, C1 and C2 with coliform densities greater than 1000 organisms per 100 ml. At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>.

Recycled Paper



2. The daily maximum effluent concentration limit for settleable solids of 3.0 ml/L was exceeded on 10/06 with a result of 5.0 ml/L. The 7-day average effluent limit for settleable solids of 1.5 ml/L was exceeded on 10/06 with a value of 1.6 ml/L. Please take the necessary steps to prevent these violations from occurring in the future.
3. Effluent carbonaceous biochemical oxygen demand (CBOD) was not reported on a daily basis as required by Order No. 2000-13. If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

Comments regarding the November 2000 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at stations S0 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at stations C1 and C2 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at stations S0, S1, S2, S3, S5, S7, S9, S11, S15, S17, C1 and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform values exceeded permit limits at stations C1 and C2 (with coliform densities greater than 1000 organisms per 100 ml). At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.
2. Effluent CBOD was not reported on a daily basis as required by Order No. 2000-13 (11/24 – 11/30). If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.
3. Influent CBOD was not reported on a weekly basis as required by Order No. 2000-13 (11/22 – 11/28). If one sample result is not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.
4. Influent total suspended solids (TSS) was not reported on a weekly basis as required by Order No. 2000-13 (11/22 – 11/28). If one sample result is not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

Comments regarding the December 2000 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at stations S2, S5, C2 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at stations S0, S1 and C1 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at stations S0, S1, S2, S3, S5, S7, S9, S11, S13, S15, S17, S19, C1 and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at stations S0, S1, C1 and C2 (with coliform densities greater than 1000 organisms per 100 ml). At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.
2. Effluent CBOD was not reported on a daily basis as required by Order No. 2000-13 (12/01 – 12/07). If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

Comments regarding the October - December 2000 Quarterly Monitoring Report:

- No comments at this time.

Comments regarding the July - December 2000 Semiannual Monitoring Report:

- No comments at this time.

Comments regarding the January - December 2000 Annual Monitoring Report:

- No comments at this time.

Comments regarding the January 2001 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at stations S0 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at stations C1 and C2 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at stations S0, S1, S2, S3, S5, S7, S9, S11, S13, S15, S17, S19, C1 and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at stations S0, C1 and C2 (with coliform densities greater than 1000 organisms per 100 ml). At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.

2. Effluent CBOD was not reported on a daily basis as required by Order No. 2000-13 (01/01 – 01/07, and 01/25 – 01/31). If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.
3. Effluent TSS was not reported on a daily basis as required by Order No. 2000-13 (01/25 – 01/31). If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

General Comments:

- Please report mass emission rate (MER) values for all constituents with MER limits established in Order No. 2000-13 (e.g. settleable solids).
- Receiving water analyses yielded higher fecal coliform values than total coliform values in October 2000, November 2000, December 2000 and January 2001 for several Surf Zone Stations. If this discrepancy is due to sample analysis standard deviation, then please include the standard error with these values. If standard deviation cannot explain why fecal coliform values are higher than total coliform, then please provide an explanation for the discrepancy in your next monitoring report. A QA/QC investigation may be necessary to address total coliform and fecal coliform analyses.
- The 30-day geometric means for fecal coliform and enterococcus, required by Monitoring and Reporting Program No. 2000-13, were not reported. Please make the necessary changes in reporting format to include these required values.

As you may be aware, the Porter-Cologne Water Quality Control Act (California Water Code [CWC]) was amended on January 1, 2000 to include provisions for mandatory minimum penalties for violations of waste discharge requirements applying to surface water discharges. The pertinent revisions can be found in CWC Section 13385(h) and (i). For the purposes of CWC 13385(h)(2), a serious violation is defined as either 1) an exceedance of effluent limitations for a Group I pollutant by 40%, or 2) an exceedance of effluent limitations for a Group II pollutant by 20% (Group I and II pollutants are specified in Appendix A to Section 123.45 of Title 40 of the Code of Federal Regulations). For the purposes of CWC 13385(i), a violation other than serious (i.e., a chronic violation) is defined as an exceedance of a waste discharge requirement effluent limitation.

In accordance with CWC 13385(h) each serious violation triggers the assessment of a mandatory minimum penalty (MMP) in the amount of \$3,000. In accordance with CWC 13385(i), the occurrence of four chronic violations in a 6-month period will also trigger the assessment of a

April 10, 2001

MMP in the amount of \$3,000 for the fourth violation, and an additional \$3,000 for each subsequent violation. In other words, the fourth chronic violation triggers the assessment of a \$3,000 MMP, the fifth chronic violation triggers the assessment of a \$3,000 MMP, and so on.

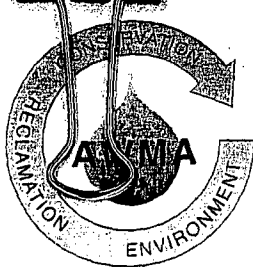
All effluent limitation violations listed in this document may be subject to MMPs. Staff will assess MMPs for these violations, as applicable, in an enforcement document separate from this letter.

If you have any questions or comments, please contact Mr. Adam Laputz at (858) 467-2727, or via email at lapua@rb9.swrcb.ca.gov.

Respectfully,

Brian D. Kelley,
for MICHAEL P. McCANN
Supervising Engineer

File: 01-0175.01



ALISO WATER MANAGEMENT AGENCY
SOUTH EAST REGIONAL RECLAMATION AUTHORITY



May 21, 2001

Surface Water Unit
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
San Diego Region
9771 Clairmont Mesa Blvd., Suite B
San Diego, CA. 92124-1331

SUBJECT: APRIL 2001 SUMMARY OF MONITORING FOR ORDER NO. 2000-13,
NPDES PERMIT NO. CA0107417

Surface Water Unit,

No effluent violations occurred during April 2001.

Permit limits for total coliform were exceeded at surfzone sites S0, S1, C1 and C2. Permit limits for fecal coliform were exceeded at S0, S1, S2, S3, S7, C1, and C2. Permit limits for enterococcus were exceeded at S0, S1, S2, S3, S5, S7, S9, C1 and C2. A worksheet showing the calculation of fecal coliform and enterococcus geometric means is attached to this report. The microorganisms responsible for the violations are endemic to urban runoff and have no correlation to SERRA's effluent quality.

A copy of Ogden Environmental Bioassay Laboratory's report detailing the conditions and results of chronic and acute toxicity tests is attached to this report.

Very truly yours,

SOUTH EAST REGIONAL RECLAMATION AUTHORITY

A handwritten signature in black ink, reading 'David A. Caretto'.

David A. Caretto
General Manager

CITY OF LAGUNA BEACH
EL TORO WATER DISTRICT
EMERALD BAY SERVICE DISTRICT
LOS ALISOS WATER DISTRICT
MOULTON NIGUEL WATER DISTRICT
SOUTH COAST WATER DISTRICT

A PUBLIC AGENCY
30290 RANCHO VIEJO RD. • SAN JUAN CAPISTRANO, CALIFORNIA 92675
AWMA (949) 489-7730 • SERRA (949) 489-7735 • FAX (949) 489-7724

CITY OF SAN CLEMEN
CITY OF SAN JUAN CAPISTRANO
MOULTON NIGUEL WATER DISTRICT
SANTA MARGARITA WATER DISTRICT
SOUTH COAST WATER DISTRICT

File: ~~01-0175.01~~ 01-0175.01



California Regional Water Quality Control Board

San Diego Region



Winston H. Hickoy
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb9/>
9771 Clairemont Mesa Boulevard, Suite A, San Diego, California 92124-1324
Phone (858) 467-2952 • FAX (858) 571-6972

Gray Davis
Governor

June 13, 2001

Mr. David A. Caretto
South East Regional Reclamation Authority
30290 Rancho Viejo Road
San Juan Capistrano, CA 92675

Dear Mr. Caretto:

**RECEIPT OF MONITORING REPORTS FOR ORDER NO. 2000-13, NPDES NO.
CA0107417
FACILITY: SOUTH EAST REGIONAL RECLAMATION AUTHORITY
WDID NO.: 9 000000175**

This will acknowledge receipt of the February 2001 Monthly Monitoring Report, March 2001 Monthly Monitoring Report, January-March 2001 Quarterly Monitoring Report, and the April 2001 Monthly Monitoring Report.

The next report due by July 1, 2001, is the May 2001 Monthly Monitoring Report.

Comments regarding the February 2001 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at receiving water sampling stations S11, S13 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at receiving water sampling stations S0, S1, S2, S7, S15, C1, and C2 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at receiving water sampling stations N1, N3, S0, S1, S2, S3, S4, S5, S6, S7, S9, S11, S13, S15, S17, C1, and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at receiving water sampling stations S0, S1, S2, S3, S5, S6, S7, S9, S11, S13, S15, S17, C1, and C2 with coliform densities greater than 1,000 organisms per 100 ml. At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.
2. Effluent CBOD was not reported on a daily basis as required by Monitoring and Reporting Program No. 2000-13. If five sample results are not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>.

File: 01-0175.01

Recycled Paper



3. Influent CBOD was not reported on a weekly basis as required by Monitoring and Reporting Program No. 2000-13. If one sample result is not reported for any 7-day period when there is flow, it will be considered an omission of information. This is a violation of Monitoring and Reporting Program No. 2000-13. Please take the necessary action to prevent future monitoring discrepancies from occurring.

Comments regarding the March 2001 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at receiving water sampling stations S3, S7 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at receiving water sampling stations S0, S2, C1, and C2 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at receiving water sampling stations N1, N3, S0, S1, S2, S3, S5, S7, S9, S11, S13, S19, C1, and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at receiving water sampling stations S0, S2, S3, S5, S7, S9, C1, and C2 with coliform densities greater than 1,000 organisms per 100 ml. At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.

Comments regarding the April 2001 Monthly Monitoring Report:

1. Fecal coliform values exceeded permit limits at receiving water sampling stations S1, C2 (10% of recorded samples tested higher than 400 organisms per 100 ml), and at stations S0 and C1 (with a monthly geometric mean greater than 200 organisms per 100 ml). Enterococcus values exceeded permit limits at receiving water sampling stations N3, N4, S0, S1, S2, S3, S5, S7, S9, C1, and C2 (with a monthly geometric mean greater than 24 organisms per 100 ml). Total coliform exceeded permit limits at receiving water sampling stations S0, S1, C1, and C2 with coliform densities greater than 1,000 organisms per 100 ml. At the present time, the Regional Board does not believe that the discharger's effluent is causing these exceedances. Coliform concentrations closest to the outfall are within the limits established in Order No. 2000-13.

If you have any questions or comments, please contact Mr. Adam Laputz at (858) 467-2727, or via email at lapua@rb9.swrcb.ca.gov.

Respectfully,

Brian D. Kelley,
for MICHAEL P. McCANN
Supervising Water Resource Control Engineer

File: 01-0175.01

South East Regional Reclamation Authority

Surfzone Fecal Coliform Limit Calculation Worksheet, CFU/100 ml

Comments:

Station											30-day	60-day
	No.	03/05/01	03/12/01	03/20/01	03/27/01	04/02/01	04/11/01	04/16/01	04/24/01	04/30/01	Geo. Mean Apr-2001	
S-0	100	140	400	360	4600	980	280	20	30	238	22%	
S-1	100	40	40	9.9	580	260	36	50	9.9	77	11%	
S-2	900	690	5,500	80	10	54	10	10	9.9	14	33%	
S-3	340	30	500	20	36	110	10	140	9.9	35	11%	
S-4	120	10	9	9.9	3	2	1.9	9.9	1.9	3	0%	
S-5	290	10	50	40	4	130	10	20	30	20	0%	
S-6	10	4	3	9.9	1.9	1.9	1.9	10	1.9	3	0%	
S-7	430	30	50	20	64	70	10	10	40	28	11%	
S-9	170	40	73	20	20	60	9.9	100	9.9	26	0%	
S-11	210	9.9	120	30	9.9	9.9	27	20	10	14	0%	
S-13	20	9.9	120	20	36	10	9.9	10	9.9	13	0%	
S-15	20	70	10	10	9.9	20	9.9	20	9.9	13	0%	
S-17	30	20	10	9.9	1.9	54	10	9.9	10	10	0%	
S-19	80	9.9	9.9	9.9	6	20	9.9	10	8	10	0%	
S-21	9.9	9.9	0.9	20	1.9	9.9	9.9	9.9	1.9	5	0%	
S-23	9.9	10	2	9.9	1.9	100	9.9	9.9	2	8	0%	
C-1	840	2,200	4,300	3,000	8800	1,500	2,000	1,800	6,000	3097	100%	
C-2	220	500	99.9	190	9	120	20	1000	2400	139	33%	

Requirement: The fecal coliform density based on a minimum of not less than 5 samples for any 30-day period, shall not exceed a geometric mean of 200 per 100 ml nor shall more than 10% of the total samples during any 60-day period exceed 400 per 100 ml.

MRP 2000-13 MONTHLY MONITORING REPORT

NPDES No. CA0107417

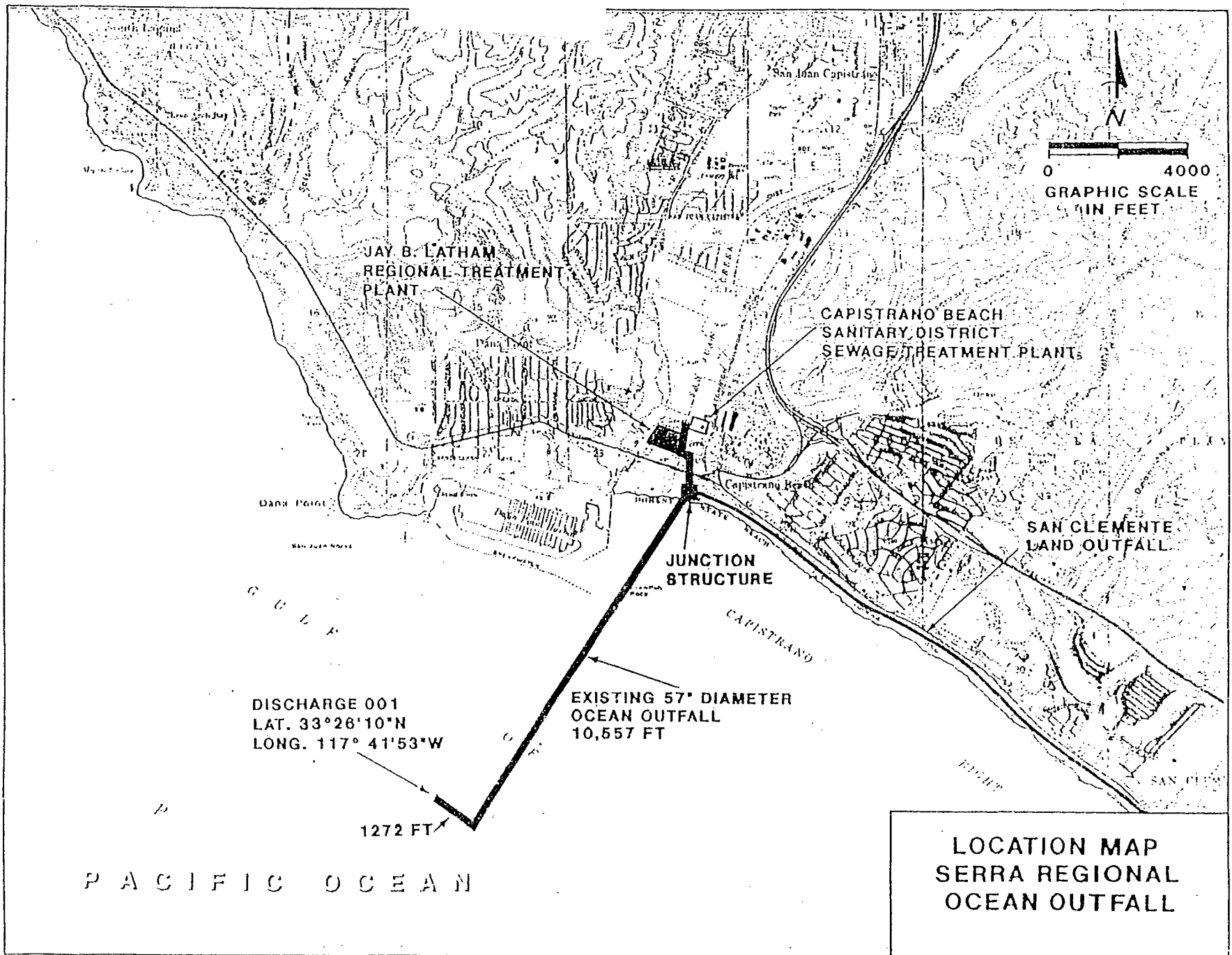
South East Regional Reclamation Authority

Surfzone Enterococcus Limit Calculation Worksheet, CFU/100 ml

Comments:

Station No.						30-day Geo. Mean Apr-2001
	04/02/01	04/11/01	04/16/01	04/24/01	04/30/01	
S-0	2200	1700	200	110	60	346
S-1	600	590	9.9	70	10	76
S-2	54	130	20	10	9.9	27
S-3	380	210	20	370	40	119
S-4	32	12	1.9	9.9	1.9	7
S-5	160	190	9.9	100	64	72
S-6	1.9	1.9	1.9	9.9	2	3
S-7	80	110	9	40	150	54
S-9	9.9	110	36	300	73	61
S-11	9.9	30	20	9.9	10	14
S-13	9.9	10	9.9	10	9.9	10
S-15	10	20	9.9	10	9	11
S-17	2	120	9.9	9.9	70	18
S-19	2	20	9.9	10	8	8
S-21	1.9	20	9.9	9.9	1.9	6
S-23	1.9	10.0	10.0	9.9	1.9	5
C-1	8,400	3,500	950	900	3,300	2420
C-2	30	140	40	1200	720	171

Limitations: 1) geometric mean enterococcus density of 24 cfu/100ml for a 30-day period or;
2) 12 cfu/100ml for a six -month period



DEVELOPED FROM THE FOLLOWING U.S.G.S. MAP: DANA POINT

Monitoring Station Locations**Station Description****Surf Zone Stations:**

C1	San Juan Creek
C2	San Juan Creek above SERRA plant (enter through park)
S0	Surf at outfall
S1	Surf 1,000 feet southeasterly of outfall
S2	Surf, North Doheny Beach, midpoint between jetty and San Juan Creek
S3	Surf, 2,000 feet southeasterly of outfall
S4	Surf at entrance to Dana Point Harbor
S5	Surf 3,000 feet southeasterly of outfall
S6	Surf 50 feet west of westerly end of the Dana Point Harbor complex
S7	Surf 4,000 feet southeasterly of outfall
S9	Surf 5,000 feet southeasterly of outfall
S11	Surf 7,500 feet southeasterly of outfall
S13	Surf 10,000 feet southeasterly of outfall
S15	Surf 14,000 feet southeasterly of outfall
S17	Surf 20,000 feet southeasterly of outfall
S19	Surf 25,000 feet southeasterly of outfall
S21	Surf 31,000 feet southeasterly of outfall
S23	Surf 35,000 feet southeasterly of outfall

Nearshore Stations:

N1	At the 30-foot depth countour, 6,000 feet down-coast from the outfall
N2	At the 30-foot depth countour, 4,000 feet down-coast from the outfall
N3	At the 30-foot depth countour, 2,000 feet down-coast from the outfall
N4	At the 30-foot depth countour, 2,000 feet up-coast from the outfall
N5	At the 30-foot depth countour, 4,000 feet up -coast from the outfall
N6	At the 30-foot depth countour, 6,000 feet up -coast from the outfall

Offshore Stations:

A1-A4	At the corners of a 2,000 x 2,000-foot square having one side parallel to shore and the intersection of the diagonals located at the center of the outfall diffuser sections. Station A1 shall be located at the east corner and Stations A2 through A4 at successive corners in a clockwise direction.
A5	At the intersection of the diagonals of the above square.
B1	One mile down-coast from the outfall and over the same depth contour as Station A5.
B2	One mile up-coast from the outfall and over the same depth contour as Station A5.

Monitoring Station Locations

<u>Station</u>	<u>Description</u>
	Biological Transects:
T0	At the 20, 40, 60, and 80-foot depth contours along the transect located 50 feet down-coast of and parallel to the outfall.
T0	At the 20, 40, 60, and 80-foot depth contours along the transect located one mile down-coast of and parallel to the outfall.
T0	At the 20, 40, 60, and 80-foot depth contours along the transect located one-and-one-half miles up-coast of and parallel to the outfall.

It is recommended that stations be located using a land-based microwave positioning system, such as Mini-Ranger or trisponder, or a satellite positioning system such as Global Positioning System (GPS). The high levels of accuracy and precision afforded by this type of positioning system will ensure that stations are properly located with respect to the ZID. If an alternate navigation system (e.g. Loran C) is proposed, its accuracy should be compared to that of the systems recommended herein, and any compromises in accuracy should be justified.

Monitoring station locations may be modified with the approval of the Executive Officer.

4. SURF ZONE WATER QUALITY MONITORING

- a. Surf zone monitoring is intended to assess bacteriological conditions in areas used for body-contact activities (e.g., swimming); and to assess aesthetic conditions for general recreational uses (e.g., picnicking).
- b. All "surf zone stations" shall be monitored as follows:
 - (1) Grab samples shall be collected and analyzed for total and fecal coliforms, and enterococcus at a minimum frequency of once per week from May 1 through October 31, and at a minimum frequency of once every other week from November 1 through April 30 of each year.
 - (2) At the same time samples are collected from "surf zone stations," the following information shall be recorded: observation of wind (direction and speed), weather (e.g., cloudy, sunny, or rainy), current (e.g., direction), and tidal conditions; observations of water color, discoloration, oil and grease, turbidity, odor, and materials of sewage origin in the water or on the beach; and water temperature (°F).

5. NEARSHORE WATER QUALITY MONITORING

- a. Nearshore monitoring is intended to assess bacteriological conditions in areas used for body-contact activities (e.g. scuba diving) and where shellfish and/or kelp may be harvested; and to assess aesthetic conditions for general boating and recreational uses.
- b. All "nearshore stations" shall be monitored as follows:

(1) Reduced Monitoring

If the Executive Officer determines that the effluent at all times complies with Discharge Specifications B.1, B.3, and B.5 of Order No. 2000-13, only the reduced nearshore water quality monitoring specified below is required.

<u>Determination</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Visual Observations			Monthly
Total and Fecal Coliforms,	#/100mL	Grab ⁹	Monthly
Enterococcus ¹⁰	#/100mL	Grab ⁹	Monthly

(2) Intensive Monitoring

The intensive nearshore water quality monitoring specified below is required during the 12-month period beginning August 1, 2003 through July 31, 2004, and must be submitted by August 31, 2004. This monitoring data will assist Regional Board staff in the evaluation of the Report of Waste Discharge required by Reporting Requirement G.2 to be submitted by August 9, 2004, 180 days prior to the Order's expiration date of February 9, 2005. The intensive nearshore water quality monitoring specified below is also required if the Executive Officer determines that the effluent does not at all times comply with Discharge Specifications B.1, B.3, and B.5 of Order No. 2000-13.

<u>Determination</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Visual Observations --	--		Monthly
Total and Fecal Coliforms,	#/100mL	Grab ¹¹	Monthly
Enterococcus	#/100mL	Grab ¹¹	Monthly

6. OFFSHORE WATER QUALITY MONITORING

Offshore monitoring is intended to determine compliance with the Ocean Plan; and to determine if the applicant's discharge causes significant impacts on the water quality within the ZID and beyond the ZID as compared to reference areas.

- a. All "offshore stations" shall be monitored as follows:

(1) Reduced Monitoring

If the Executive Officer determines that the effluent at all times complies with Discharge Specifications B.1, B.3, and B.5 of Order No. 2000-13, only the reduced offshore water quality monitoring specified below is required.

<u>Determination</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Visual Observations			Monthly
Total and Fecal Coliforms,	#/100mL	Grab ¹¹	Monthly
Enterococcus ¹⁰	#/100mL	Grab ¹¹	Monthly

(2) Intensive Monitoring

The intensive water quality monitoring specified below is required during the 12-month period beginning August 1, 2003 through July 31, 2004, and must be submitted by August 31, 2004. This monitoring data will assist Regional Board staff in the evaluation of the Report of Waste Discharge required by Reporting Requirement G.2 to be submitted by August 9, 2004, 180 days prior to the Order's expiration date of February 9, 2005. The intensive offshore water quality monitoring specified below is also required if the Executive Officer determines that the effluent does not at all times comply with Discharge Specifications B.1, B.3, and B.5 of Order No. 2000-13.

<u>Determination</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Visual Observations			Monthly
Total and Fecal Coliforms,	#/100mL	Grab ¹¹	Monthly
Enterococcus	#/100mL	Grab ¹¹	Monthly
Temperature	°F	Grab ¹²	Monthly
Dissolved Oxygen	mg/L	Grab ¹²	Monthly
Light Transmittance	%	Instrument ¹²	Monthly
pH	pH units	Grab ⁹	Annually

7. BENTHIC MONITORING

Benthic monitoring is intended to assess the status of the benthic community, and to evaluate the physical and chemical quality of the sediments.

- a. The intensive monitoring specified below is required during the 12-month period beginning August 1, 2003 through July 31, 2004, and must be submitted by August 31, 2004. This monitoring data will assist Regional Board staff in the evaluation of the Report of Waste Discharge required by Reporting Requirement

SERRA water quality monitoring data for surf zone near Prima D. and Segunda D. outfalls.

S15 = Prima D ("Poche") enters 100 ft south of S15. 14,000 feet southeast of outfall - End of beach road, sample north of Poche Creek.

S17 = Segunda D ("Pico Pipe") enters approx 200 ft. north of S17. 20,000 feet southeast of outfall - Old SC playground at concession stand.

* note: Some 10's and lower entered on this sheet are non-detects.

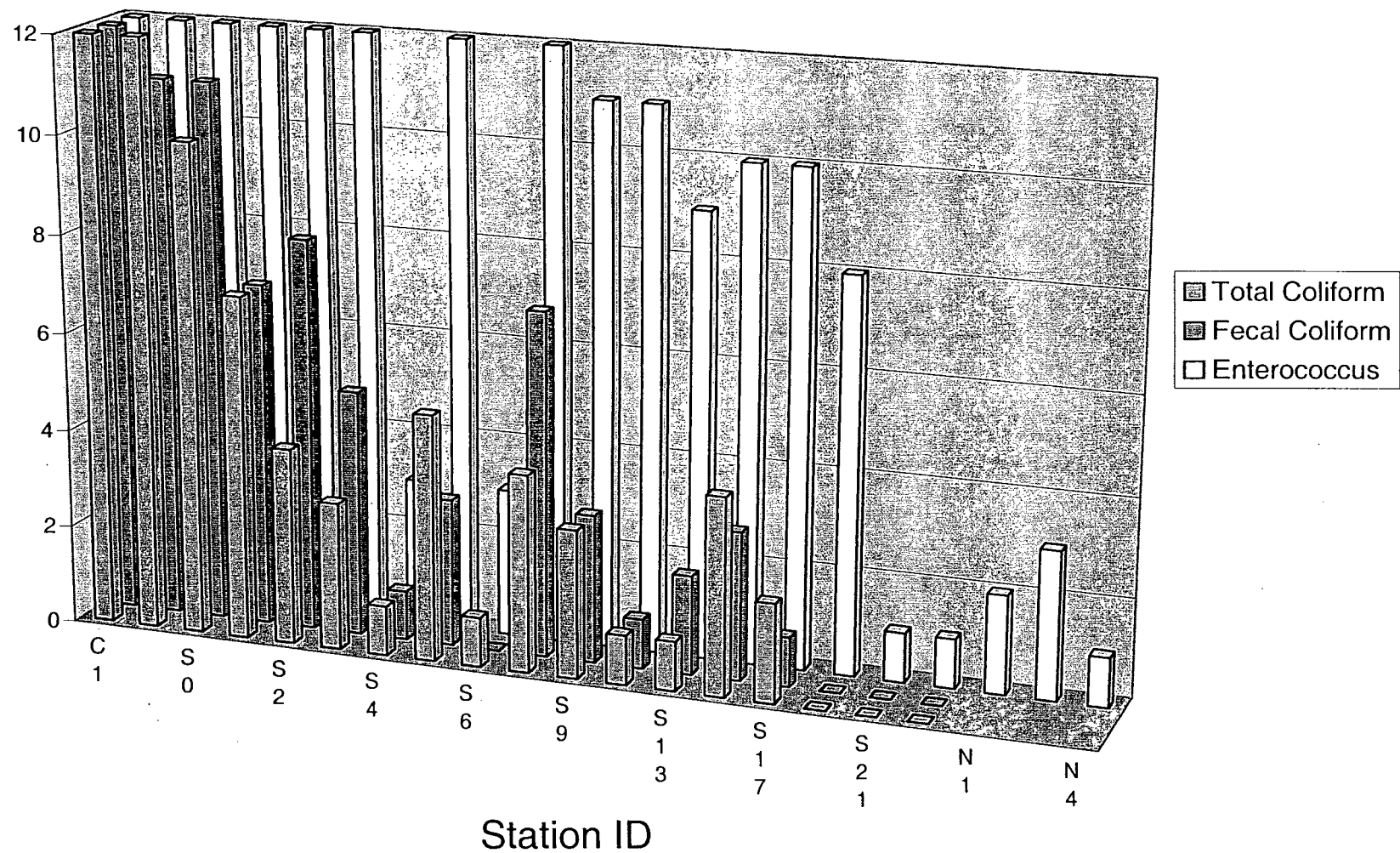
* twice weekly May-Oct; once weekly Nov-Apr

*note: regional board does not believe discharger's effluent is causing exceedances.

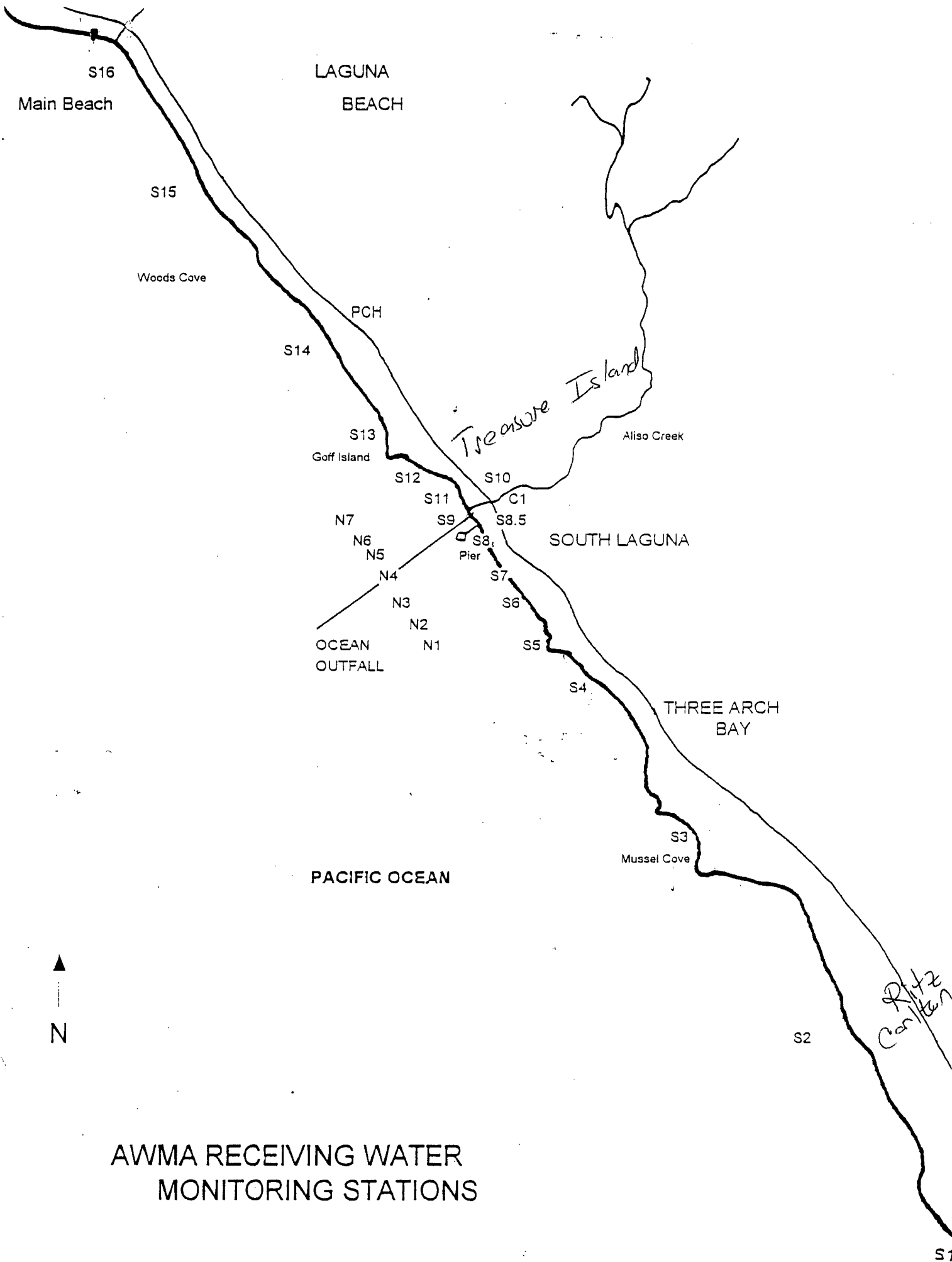
date	Station	total	fecal	entero	notes
6/5/00	15	1000	440	550	33.46989
6/7/00	15	340	70	220	
6/12/00	15	10	10	10	
6/14/00	15	10	10	10	
6/19/00	15	210	40	30	
6/21/00	15	10	10	30	
6/26/00	15	26	22	18	
6/27/00	15	18	10	18	
7/3/00	15	30	30	50	42.89835 48.63628
7/5/00	15	10	10	10	
7/10/00	15	730	500	470	
7/12/00	15	470	100	180	
7/17/00	15	10	20	10	
7/18/00	15	10	10	10	
7/25/00	15	10	10	20	
7/27/00	15	90	40	30	
7/31/00	15	1100	410	600	115.0777 90.25942
8/7/00	15	5	4	12	
8/8/00	15	180	60	30	
8/14/00	15	840	130	75	
8/15/00	15	730	74	86	
8/22/00	15	850	640	270	
8/23/00	15	440	90	30	
8/24/00	15	240	50	50	no 17 data
8/28/00	15	810	180	120	
8/29/00	15	1000	830	530	78.73073 105.0803
9/5/00	15	10	10	10	
9/6/00	15	10	10	10	
9/7/00	15	410	80	1700	no 17 data
9/12/00	15	840	330	460	
9/13/00	15	940	580	680	
9/18/00	15	10	10	10	
9/20/00	15	150	100	64	
9/25/00	15	630	180	130	
9/27/00	15	50	40	70	302.5392
10/2/00	15		510	540	
10/4/00	15	930	790	930	
10/9/00	15	2600	1005.254	110	
10/11/00	15	2100	400	400	rain
10/16/00	15	300	80	40	
10/18/00	15	4500	2200	2200	
10/23/00	15	50	45	200	
10/25/00	15	2800	700	780	
11/1/00	15	54	10	64	37.05788
11/6/00	15	280	40	70	
11/13/00	15	30	10	60	
11/20/00	15	2	2	12	
11/27/00	15	20	40	130	
12/4/00	15	100	20	20	43.84328
12/11/00	15	20	10	900	
12/18/00	15	10	10	10	
12/26/00	15	30	10	90	
1/2/01	15	10	10	10	
1/8/01	15	240	70	200	93.45306
1/17/01	15	70	80	120	
1/22/01	15	20	20	20	
1/30/01	15	350	533.256	590	
2/5/01	15	10	10	45	

2/14/01	15	11000	3600	9600	1890.665	
2/20/01	15	1400	680	2200		
2/28/01	15	800	170	320		light rain
6/5/00	17	20	20	10		
6/7/00	17	9	10	10		
6/12/00	17	20	10	10		
6/14/00	17	20	10	30		
6/19/00	17	10	10	60		
6/21/00	17	10	10	10		
6/26/00	17	20	10	10		
6/27/00	17	10	10	20		
7/3/00	17	50	10	10		
7/5/00	17	20	30	50		
7/10/00	17	10	10	20		
7/12/00	17	10	10	20		
7/17/00	17	2	2	2		
7/18/00	17	150	110	20		
7/25/00	17	10	10	10		
7/27/00	17	10	10	10		
7/31/00	17	50	10	10		
8/7/00	17	10	10	20		
8/8/00	17	10	10	10		
8/14/00	17	130	60	10		
8/15/00	17	90	10	20		
8/22/00	17	20	10	10		
8/23/00	17	30	40	10		
8/28/00	17	110	20	70		
8/29/00	17	10	30	10		
9/5/00	17	10	10	10		
9/6/00	17	80	40	10		
9/12/00	17	60	50	10		
9/13/00	17	10	10	10		
9/18/00	17	40	10	10		
9/20/00	17	40	20	20		
9/25/00	17	80	10	10		
9/27/00	17	60	30	50		
10/2/00	17	10	10	10		
10/4/00	17	20	30	10		
10/9/00	17	40	20	10		
10/11/00	17	9700	5500	14200		rain
10/16/00	17	10	80	60		
10/18/00	17	50	30	10		
10/23/00	17	30	20	90		
10/25/00	17	160	90	60		
11/1/00	17	50	10	30		
11/6/00	17	20	40	10		
11/13/00	17	210	30	80	109.1438	
11/20/00	17	50	20	40		
11/27/00	17	70	10	220		
12/4/00	17	10	20	20		
12/11/00	17	650	240	1100		
12/18/00	17	20	20	10		
12/26/00	17	30	20	10		
1/2/01	17	10	10	10		
1/8/01	17	40	10	20		
1/17/01	17	60	30	180		
1/22/01	17	130	40	10	33.90096	
1/30/01	17	64	40	60		
2/5/01	17	50	10	10		
2/14/01	17	130	30	10		
2/20/01	17	240	120	230		
2/28/01	17	300	110	110		light rain

Number of Exceedences (Feb.1998-Apr.2001) Out of Possible 12 Months Assessed



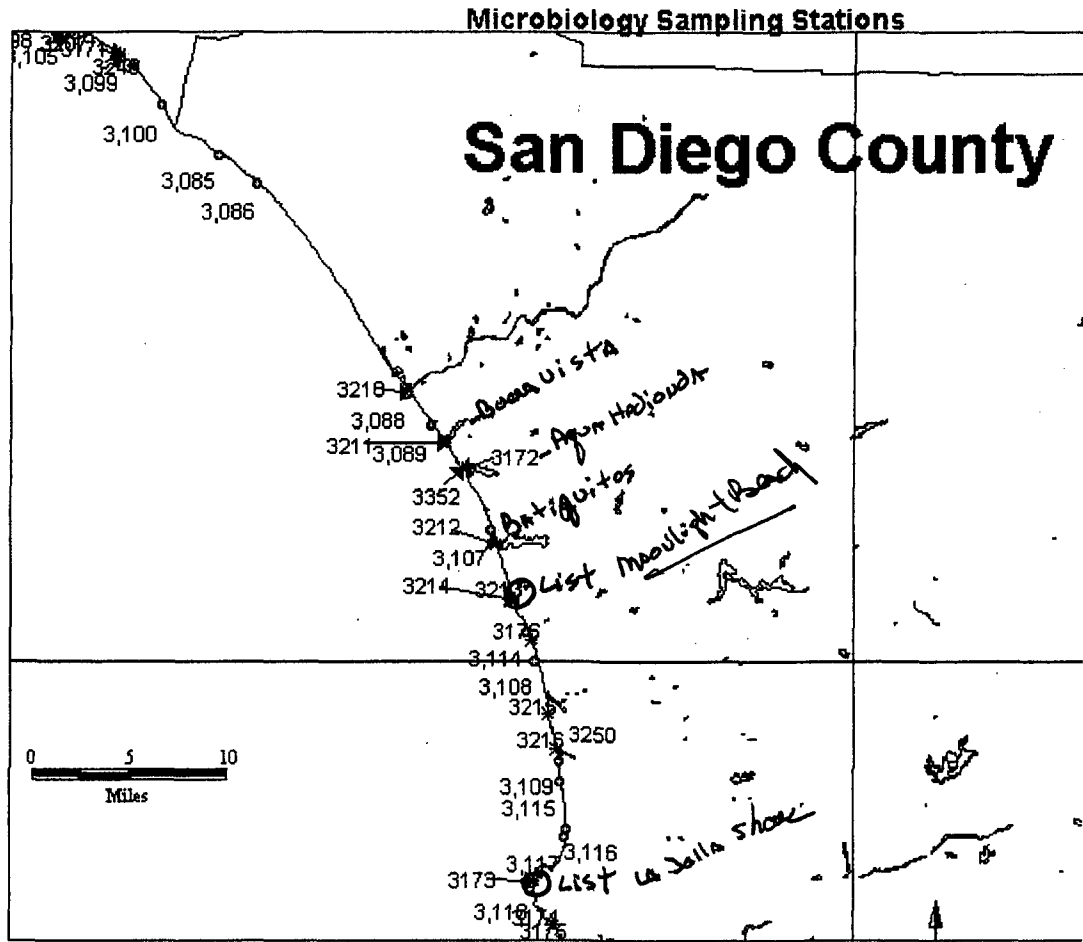
Station Number	Total	Fecal	Entero					
C1	12	12	12					
C2	12	11	12					
S0	10	11	12					
S1	7	7	12					
S2	4	8	12					
S3	3	5	12					
S4	1	1	3					
S5	5	3	12					
S6	1	0	3					
S7	4	7	12					
S9	3	3	11					
S11	1	1	11					
S13	1	2	9					
S15	4	3	10					
S17	2	1	10					
S19	0	0	8					
S21	0	0	1					
S23	0	0	1					
N1			2					
N3			3					
N4			1					



AWMA RECEIVING WATER
MONITORING STATIONS

Beaches

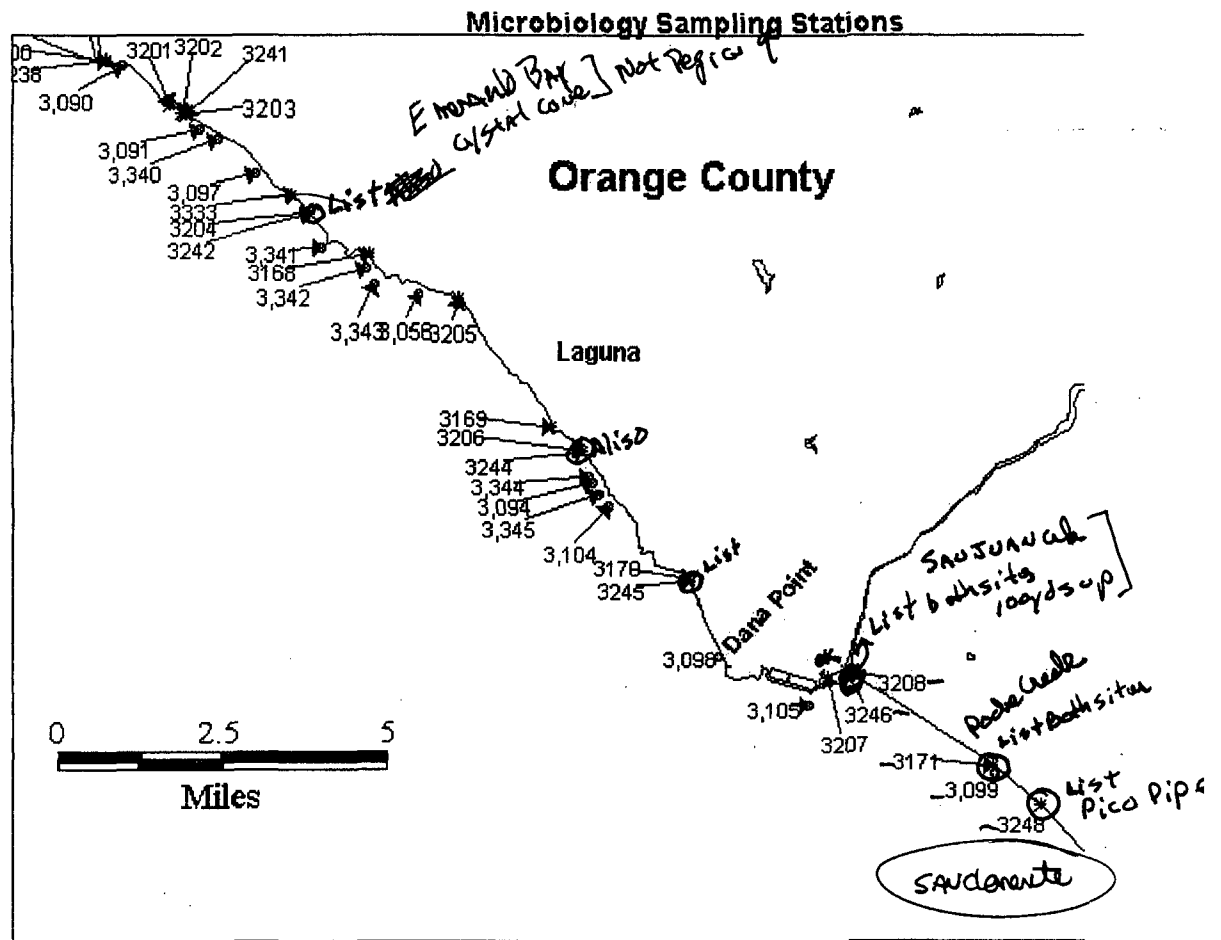
Oceanside to Solana Beach



LarryMicro.wor
Printed 11AUG98

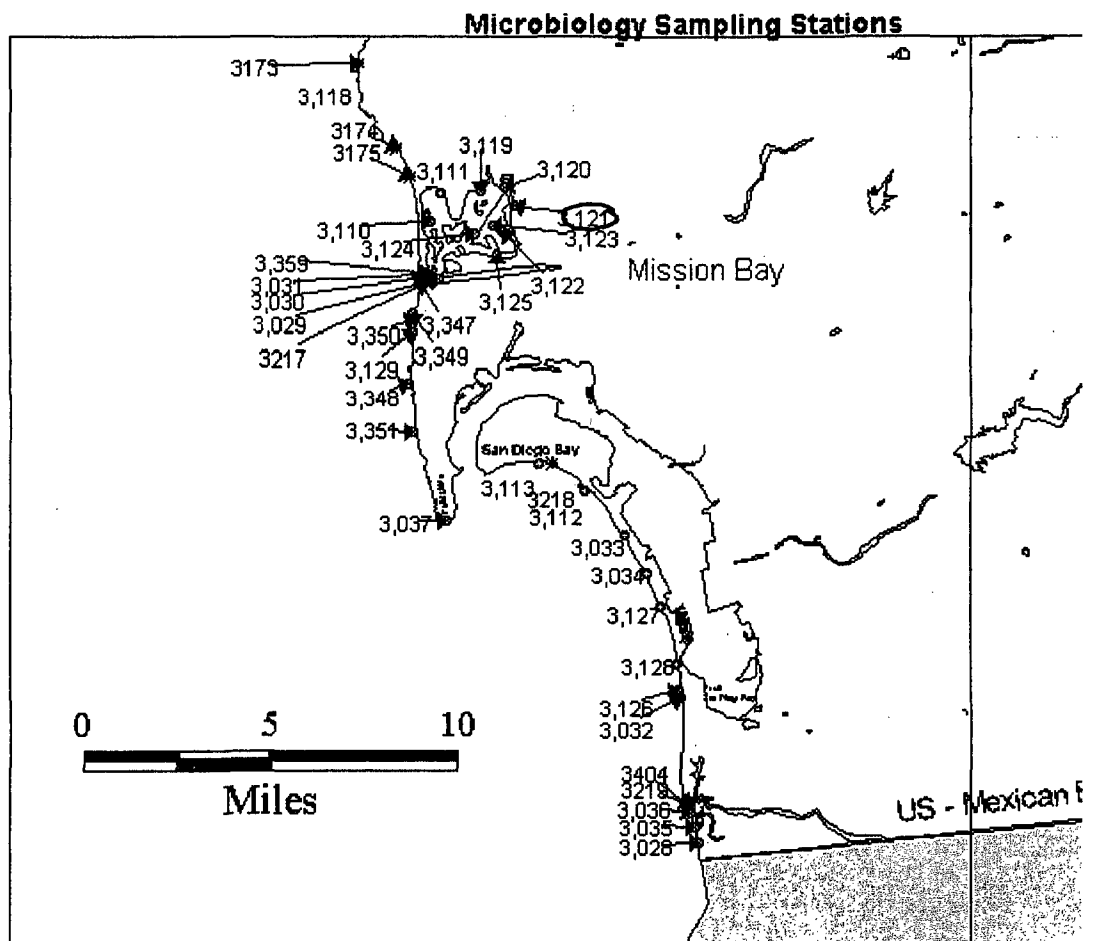
Byte 98

Newport Bay to Oceanside



LarryMicro.wor
Printed 11AUG98

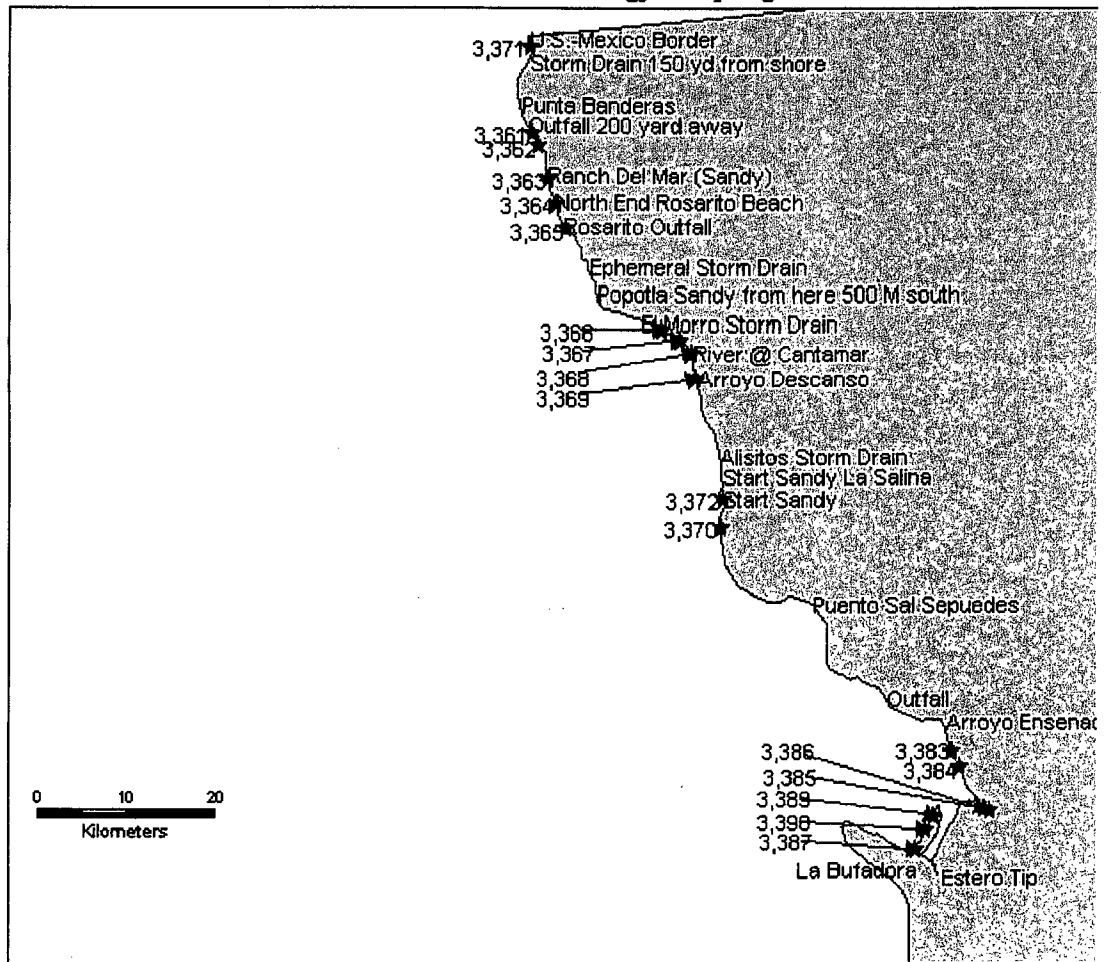
Mission Bay to U.S. - Mexican Border



LarryMicro.wor
Printed 11AUG98

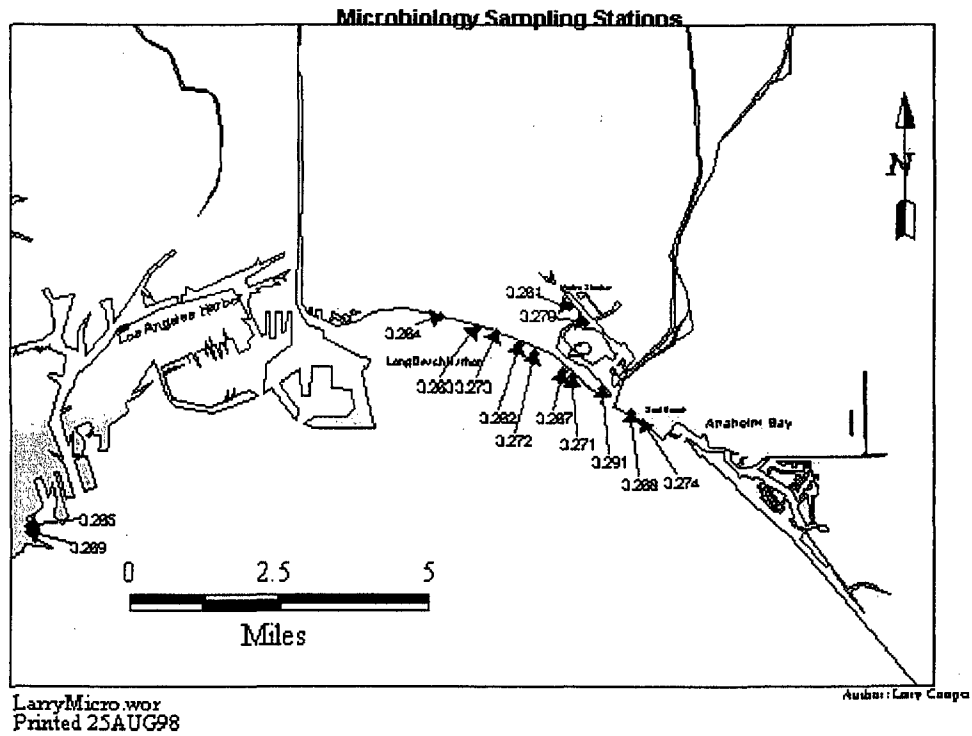
U.S. - Mexican Border to Punta Banda

Mexico Microbiology Sampling Stations



MexicoMicor.wor
Printed 11AUG98

Shoreline Microbiology Volunteer Sampling



Storm Event

<u>Station ID</u>	<u>Date</u>	<u>Parameter</u> <u>Code</u>	<u>Qualifier</u>	<u>Result</u>	<u>Units</u>
3028	22-Feb-00	Enterococcus >		500000	cfu / 100ml
3028	22-Feb-00	Fecal Coliform E		82000	cfu / 100ml
3028	22-Feb-00	Fecal Coliforms		18000	cfu / 100ml
3028	22-Feb-00	Total Coliform >		24192	MPN Index/100ml
3029	22-Feb-00	Enterococcus E		15530.7	MPN Index/100ml
3029	22-Feb-00	Fecal Coliforms		2000	cfu / 100ml
3032	22-Feb-00	Enterococcus		19862.8	MPN Index/100ml
3032	22-Feb-00	Fecal Coliform E		3100	cfu / 100ml
3032	22-Feb-00	Total Coliforms		21000	cfu / 100ml
3033	22-Feb-00	Enterococcus		3448	MPN Index/100ml
3033	22-Feb-00	Fecal Coliforms		886	MPN Index/100ml
3033	22-Feb-00	Total Coliforms		19862.8	MPN Index/100ml
3036	22-Feb-00	Enterococcus >		45000	cfu / 100ml
3036	22-Feb-00	Fecal Coliforms		1100000	cfu / 100ml
3036	22-Feb-00	Total Coliform >		220000	cfu / 100ml
3090	22-Feb-00	Enterococcus		109	MPN Index/100ml
3090	22-Feb-00	Fecal Coliform <		1236	MPN Index/100ml
3091	22-Feb-00	Enterococcus		700	MPN Index/100ml
3091	22-Feb-00	Fecal Coliforms		2359	MPN Index/100ml
3094	22-Feb-00	Enterococcus		440	cfu / 100ml
3094	22-Feb-00	Fecal Coliforms		2800	cfu / 100ml
3095	22-Feb-00	Enterococcus <		110	MPN Index/100ml
3096	22-Feb-00	Enterococcus		120	cfu / 100ml
3097	22-Feb-00	Enterococcus e		292	MPN Index/100ml
3098	22-Feb-00	Enterococcus		390	cfu / 100ml
3099	22-Feb-00	Enterococcus		3200	cfu / 100ml
3099	22-Feb-00	Enterococcus		3900	cfu / 100ml
3099	22-Feb-00	Fecal Coliforms		890	cfu / 100ml
3099	22-Feb-00	Fecal Coliforms		1200	cfu / 100ml
3100	22-Feb-00	Enterococcus		230	cfu / 100ml
3100	22-Feb-00	Fecal Coliforms		700	cfu / 100ml
3104	22-Feb-00	Enterococcus		330	cfu / 100ml
3105	22-Feb-00	Enterococcus		600	cfu / 100ml
3105	22-Feb-00	Fecal Coliforms		400	cfu / 100ml
3109	22-Feb-00	Enterococcus		512	MPN Index/100ml
3110	22-Feb-00	Enterococcus E		12996.5	MPN Index/100ml
3110	22-Feb-00	Fecal Coliforms		19862.8	MPN Index/100ml
3110	22-Feb-00	Fecal Coliforms		426	MPN Index/100ml
3112	22-Feb-00	Enterococcus		19862.8	MPN Index/100ml
3112	22-Feb-00	Fecal Coliform E		3900	cfu / 100ml
3113	22-Feb-00	Enterococcus		2382	MPN Index/100ml
3113	22-Feb-00	Fecal Coliforms		14000	cfu / 100ml
3113	22-Feb-00	Total Coliform E		24192	MPN Index/100ml
3121	22-Feb-00	Enterococcus E		4884	MPN Index/100ml
3121	22-Feb-00	Fecal Coliforms		24192	MPN Index/100ml
3121	22-Feb-00	Total Coliform >		50000	cfu / 100ml
3123	22-Feb-00	Enterococcus E		9208	MPN Index/100ml
3123	22-Feb-00	Fecal Coliforms		1200	cfu / 100ml
3125	22-Feb-00	Enterococcus		29000	cfu / 100ml

3125 22-Feb-00 Fecal Coliforms	2400 cfu / 100ml
3125 22-Feb-00 Total Coliforms	2909 MPN Index/100ml
3128 22-Feb-00 Enterococcus	19862.8 MPN Index/100ml
3128 22-Feb-00 Fecal Coliforms	46000 cfu / 100ml
3128 22-Feb-00 Total Coliforms	2400 cfu / 100ml
3163 22-Feb-00 Enterococcus <	313 MPN Index/100ml
3165 22-Feb-00 Enterococcus e	203 MPN Index/100ml
3168 22-Feb-00 Fecal Coliforms	630 MPN Index/100ml
3170 22-Feb-00 Enterococcus	260 MPN Index/100ml
3171 22-Feb-00 Enterococcus	16000 cfu / 100ml
3171 22-Feb-00 Fecal Coliforms	23000 cfu / 100ml
3173 22-Feb-00 Enterococcus	280 cfu / 100ml
3174 22-Feb-00 Enterococcus E	200 cfu / 100ml
3175 22-Feb-00 Enterococcus	1012 MPN Index/100ml
3175 22-Feb-00 Fecal Coliforms	4000 cfu / 100ml
3176 22-Feb-00 Enterococcus	2400 MPN Index/100ml
3196 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3196 22-Feb-00 Fecal Coliforms	1723 MPN Index/100ml
3197 22-Feb-00 Enterococcus	480 cfu / 100ml
3197 22-Feb-00 Fecal Coliforms	2300 MPN Index/100ml
3199 22-Feb-00 Enterococcus	8664 MPN Index/100ml
3199 22-Feb-00 Fecal Coliforms	241920 MPN Index/100ml
3199 22-Feb-00 Total Coliforr >	50000 MPN Index/100ml
3200 22-Feb-00 Enterococcus	170 MPN Index/100ml
3201 22-Feb-00 Enterococcus	1100 MPN Index/100ml
3207 22-Feb-00 Enterococcus	27000 cfu / 100ml
3207 22-Feb-00 Fecal Coliforms	4300 cfu / 100ml
3207 22-Feb-00 Total Coliforms	32000 cfu / 100ml
3208 22-Feb-00 Enterococcus	28000 cfu / 100ml
3208 22-Feb-00 Fecal Coliforms	4000 cfu / 100ml
3208 22-Feb-00 Total Coliforms	46000 cfu / 100ml
3210 22-Feb-00 Enterococcus	697 MPN Index/100ml
3210 22-Feb-00 Fecal Coliforms	697 MPN Index/100ml
3211 22-Feb-00 Enterococcus	1760 cfu / 100ml
3211 22-Feb-00 Fecal Coliforms	860 cfu / 100ml
3216 22-Feb-00 Enterococcus E	1076 MPN Index/100ml
3217 22-Feb-00 Enterococcus	61310 MPN Index/100ml
3217 22-Feb-00 Fecal Coliforms	6131 MPN Index/100ml
3217 22-Feb-00 Total Coliforms	31000 cfu / 100ml
3218 22-Feb-00 Enterococcus	47000 cfu / 100ml
3218 22-Feb-00 Fecal Coliforms	1483 MPN Index/100ml
3219 22-Feb-00 Enterococcus >	580000 cfu / 100ml
3219 22-Feb-00 Fecal Coliform E	27000 cfu / 100ml
3219 22-Feb-00 Total Coliforms	241917 MPN Index/100ml
3233 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3233 22-Feb-00 Fecal Coliforms	3000 MPN Index/100ml
3233 22-Feb-00 Total Coliforms	38730 MPN Index/100ml
3234 22-Feb-00 Enterococcus	16000 MPN Index/100ml
3234 22-Feb-00 Fecal Coliforms	24192 MPN Index/100ml
3235 22-Feb-00 Enterococcus	3000 MPN Index/100ml
3235 22-Feb-00 Fecal Coliforms	2300 cfu / 100ml
3235 22-Feb-00 Total Coliforms	16640 MPN Index/100ml

3237 22-Feb-00 Enterococcus	7701 MPN Index/100ml
3237 22-Feb-00 Fecal Coliforms	198628 MPN Index/100ml
3237 22-Feb-00 Total Coliforms	30000 MPN Index/100ml
3238 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3238 22-Feb-00 Fecal Coliforms	24000 MPN Index/100ml
3238 22-Feb-00 Total Coliforms	34480 MPN Index/100ml
3241 22-Feb-00 Enterococcus	3090 MPN Index/100ml
3241 22-Feb-00 Fecal Coliforms	712 MPN Index/100ml
3242 22-Feb-00 Enterococcus	740 MPN Index/100ml
3244 22-Feb-00 Enterococcus	15000 cfu / 100ml
3244 22-Feb-00 Fecal Coliforms	3900 cfu / 100ml
3245 22-Feb-00 Enterococcus	500 MPN Index/100ml
3245 22-Feb-00 Fecal Coliforms	11000 MPN Index/100ml
3245 22-Feb-00 Total Coliforms	30760 MPN Index/100ml
3246 22-Feb-00 Enterococcus	42000 cfu / 100ml
3246 22-Feb-00 Fecal Coliforms	16000 cfu / 100ml
3246 22-Feb-00 Total Coliforms	41000 cfu / 100ml
3248 22-Feb-00 Enterococcus	4700 cfu / 100ml
3248 22-Feb-00 Fecal Coliforms	610 cfu / 100ml
3250 22-Feb-00 Fecal Coliform E	1130 MPN Index/100ml
3251 22-Feb-00 Enterococcus	46110 MPN Index/100ml
3251 22-Feb-00 Fecal Coliforms	7800 cfu / 100ml
3251 22-Feb-00 Total Coliforms	80000 cfu / 100ml
3261 22-Feb-00 Enterococcus >	24192 MPN Index/100ml
3291 22-Feb-00 Enterococcus >	1076 MPN Index/100ml
3291 22-Feb-00 Fecal Coliforms	2005 MPN Index/100ml
3291 22-Feb-00 Total Coliforms	12033 MPN Index/100ml
3332 22-Feb-00 Enterococcus	800 MPN Index/100ml
3332 22-Feb-00 Fecal Coliforms	15000 MPN Index/100ml
3333 22-Feb-00 Fecal Coliforms	740 MPN Index/100ml
3342 22-Feb-00 Enterococcus	200 MPN Index/100ml
3343 22-Feb-00 Enterococcus	520 MPN Index/100ml
3347 22-Feb-00 Enterococcus	213 MPN Index/100ml
3347 22-Feb-00 Fecal Coliforms	900 cfu / 100ml
3349 22-Feb-00 Enterococcus	1483 MPN Index/100ml
3349 22-Feb-00 Fecal Coliforms	2000 cfu / 100ml
3350 22-Feb-00 Enterococcus E	588 MPN Index/100ml
3350 22-Feb-00 Fecal Coliform E	480 cfu / 100ml
3359 22-Feb-00 Enterococcus	907 MPN Index/100ml
3361 22-Feb-00 Enterococcus >	110000 MPN Index/100ml
3405 22-Feb-00 Enterococcus E	4400 cfu / 100ml
3406 22-Feb-00 Enterococcus E	600 cfu / 100ml
3406 22-Feb-00 Fecal Coliforms	6015 MPN Index/100ml
3408 22-Feb-00 Enterococcus	3000 MPN Index/100ml
3408 22-Feb-00 Fecal Coliforms	14830 MPN Index/100ml
3408 22-Feb-00 Total Coliforms	17000 MPN Index/100ml
3409 22-Feb-00 Enterococcus	173 MPN Index/100ml
3410 22-Feb-00 Enterococcus	700 MPN Index/100ml
3410 22-Feb-00 Fecal Coliforms	1100 MPN Index/100ml
3411 22-Feb-00 Enterococcus	10140 MPN Index/100ml
3411 22-Feb-00 Fecal Coliforms	11000 MPN Index/100ml
3413 22-Feb-00 Enterococcus	122 MPN Index/100ml

3413 22-Feb-00 Fecal Coliform <	900 MPN Index/100ml
3427 22-Feb-00 Enterococcus	5700 cfu / 100ml
3427 22-Feb-00 Fecal Coliforms	2940 cfu / 100ml
3428 22-Feb-00 Enterococcus	1620 cfu / 100ml
3428 22-Feb-00 Fecal Coliforms	2600 cfu / 100ml
3443 22-Feb-00 Enterococcus >	6788 MPN Index/100ml
3443 22-Feb-00 Fecal Coliforms	24192 MPN Index/100ml
3444 22-Feb-00 Fecal Coliform <	565 MPN Index/100ml
3445 22-Feb-00 Fecal Coliforms	631 MPN Index/100ml
3446 22-Feb-00 Fecal Coliforms	961 MPN Index/100ml

SD/ORANGE COUNTIES ONLY

Geometric Means for Threshold-Exceeding Sites (SUMMER)

StationID	LATITUDE	LONGITUDE	Total Coliform	Fecal Coliform	Enterococci	Evidence Of Sewage	Water Outlet Flowing
3069 ?	34.2207	-119.26	230.50	22.37	82.05		
3171	33.4408	-117.645	780.49	354.52	216.19		X
3173	32.839	-117.281	631.08	71.74	75.01		X
3199	33.6181	-117.891	1349.62	715.03	N/A		X
3217	32.7555	-117.249	189.52	94.81	121.92		
3237	33.6175	-117.891	379.23	236.73	N/A		
3244	33.5098	-117.752	214.10	101.19	43.41		X
3245	33.4814	-117.724	3207.59	846.42	N/A		X
3246	33.461	-117.682	1754.04	1148.77	303.16		X
3248	33.4319	-117.633	3893.46	1186.97	510.45		X
3251			76.94	48.51	63.87		X
3171U			268.01	138.75	95.98		X
3199U			299.23	217.57	N/A		

Calculations using only 4 data points

3028	32.541	-117.1248	303.61	26.73	47.62		
3237U			478.94	379.77	N/A		
3246D			1411.15	942.65	205.46		X
3246U			340.49	258.79	67.64		X

SD/ORANGE COUNTIES ONLY

Geometric Means for Threshold-Exceeding Sites (DRY WINTER)

<u>StationID</u>	<u>Nominal Latitude</u>	<u>Nominal Longitude</u>	<u>Total Coliform</u>	<u>Fecal Coliform</u>	<u>Enterococci</u>	<u>Evidence Of Sewage</u>	<u>Water Outlet Flowing</u>
3036	32.55	-117.12	1337.53	47.31	29.31		
3099	33.43	-117.64	48.46	20.81	64.79		
3121	32.78	-117.2	169.55	47.48	40.20		
3125	32.76	-117.21	442.82	272.35	179.18	mb	
3171	33.43	-117.64	85.80	32.10	76.47		X
3199	33.61	-117.89	729.55	298.50	27.42		
3205	33.54	-117.78	48.21	26.35	52.73		X
3207	32.68	-117.19	80.75	49.32	104.78		X
3208	33.46	-117.68	169.51	100.86	421.72		X
3210	33.2	-117.39	567.79	200.10	55.35		X
3213	33.04	-117.29	3186.06	245.93	198.73		X
3217	32.75	-117.24	111.48	20.70	48.06		
3232	33.96	-118.45	2364.48	575.91	199.03		
3233	33.74	-118.11	345.12	91.48	55.25		
3234	33.63	-117.95	479.72	68.03	75.95		
3235	33.62	-117.95	1154.16	137.40	58.92		
3238	33.58	-117.87	151.57	79.02	35.45		
3244	33.5	-117.75	522.23	125.78	115.09		X
3245	33.48	-117.72	6464.51	370.25	270.77		
3246	33.46	-117.68	1538.00	565.63	934.24		X
3248	33.43	-117.63	2106.27	127.29	166.39		X
3251	32.75	-117.24	179.98	70.82	86.32		
3408	33.54	-117.78	1351.46	341.29	66.69		

Summer '98 Shoreline Stations

StationID	LATITUDE	LONGITUDE	DESCRIPTION								
0	32.7902	-117.2422									
0	32.5561	-117.1294									
0	33.9798	-118.457	S 100 yds of 3008								
0	33.9611	-118.4561	N 25 yds of Marina del Rey Channel jetty								
0	33.9607	-118.4565	S 25 yds of Ballona Creek Jetty								
0	34.4142	-119.6815									
0	32.5412	-117.1249									
0	32.5408	-117.1248									
0	32.5968	-117.1321									
0	32.779	-117.2472									
0	33.7416	-118.1137									
0	32.7905	-117.2426									
0	33.4812	-117.7239									
0	32.6004	-117.1327									
0	32.6	-117.1327									
0	32.6106	-117.1342									
0	32.6102	-117.1341									
0	32.8392	-117.2809									
0	32.8388	-117.2808									
0	32.796	-117.2568									
0	32.7956	-117.2566									
0	32.7557	-117.2492									
0	32.7554	-117.2496									
0	32.6877	-117.192									
0	32.6875	-117.1916									
0	32.7786	-117.2469									
0	33.6183	-117.8906									
0	33.4039	-117.6064									
0	33.4053	-117.6072									
0	33.4409	-117.645	25 yards upcoast of 3171								
0	33.51	-117.7522									
0	33.4609	-117.6819	25 yards downcoast of 3246								
0	33.4608	-117.6817	50 yards downcoast of 3246								
0	33.4607	-117.6814	150 YARDS DOWNCOAST OF 3246								
0	33.4606	-117.6812	400 YARDS DOWNCOAST OF 3246								
0	33.4611	-117.6823	25 yards upcoast of 3246								

3031	32.759	-117.2474
3032	32.597	-117.1321
3033	32.6601	-117.1589
3034	32.6453	-117.1488
3035	32.5466	-117.1263
3036	32.552	-117.1281
3037	32.6657	-117.2402
3046	34.4709	-120.2269
3047	34.4087	-119.8688
3048	34.4002	-119.7365
3054	34.4705	-120.1255
3055	34.4614	-120.0988
3056	33.5426	-117.7948
3057	34.4368	-119.9603
3058	34.4324	-119.9225
3060	34.2949	-119.3403
3061	34.4139	-119.6824
3063	34.3937	-119.5273
3064	34.3367	-119.4097
3065	34.2822	-119.3193
3066	34.2753	-119.2947
3067	34.2538	-119.2701
3068	34.2238	-119.2611
3069	34.2207	-119.26
3070	34.1864	-119.2424
3071	34.1511	-119.2192
3072	34.1424	-119.1973
3073	34.4149	-119.5673
3074	34.4057	-119.5496
3075	34.1316	-119.1773
3076	34.1224	-119.1646
3077	34.4656	-120.1102
3078	34.4183	-119.6229
3079	34.309	-119.3556
3080	34.3038	-119.3488
3081	34.2977	-119.3423
3082	34.4668	-120.1139

[illegible]

[illegible]

Storm Event

SD/orange counties

<u>Station ID</u>	<u>Date</u>	<u>Parameter</u> <u>Code</u>	<u>Qualifier</u>	<u>Result</u>	<u>Units</u>
3028	22-Feb-00	Enterococcus >		500000	cfu / 100ml
3028	22-Feb-00	Fecal Coliform E		82000	cfu / 100ml
3028	22-Feb-00	Fecal Coliforms		18000	cfu / 100ml
3028	22-Feb-00	Total Coliform >		24192	MPN Index/100ml
3029	22-Feb-00	Enterococcus E		15530.7	MPN Index/100ml
3029	22-Feb-00	Fecal Coliforms		2000	cfu / 100ml
3032	22-Feb-00	Enterococcus		19862.8	MPN Index/100ml
3032	22-Feb-00	Fecal Coliform E		3100	cfu / 100ml
3032	22-Feb-00	Total Coliforms		21000	cfu / 100ml
3033	22-Feb-00	Enterococcus		3448	MPN Index/100ml
3033	22-Feb-00	Fecal Coliforms		886	MPN Index/100ml
3033	22-Feb-00	Total Coliforms		19862.8	MPN Index/100ml
3036	22-Feb-00	Enterococcus >		45000	cfu / 100ml
3036	22-Feb-00	Fecal Coliforms		1100000	cfu / 100ml
3036	22-Feb-00	Total Coliform >		220000	cfu / 100ml
3090	22-Feb-00	Enterococcus		109	MPN Index/100ml
3090	22-Feb-00	Fecal Coliform <		1236	MPN Index/100ml
3091	22-Feb-00	Enterococcus		700	MPN Index/100ml
3091	22-Feb-00	Fecal Coliforms		2359	MPN Index/100ml
3094	22-Feb-00	Enterococcus		440	cfu / 100ml
3094	22-Feb-00	Fecal Coliforms		2800	cfu / 100ml
3095	22-Feb-00	Enterococcus <		110	MPN Index/100ml
3096	22-Feb-00	Enterococcus		120	cfu / 100ml
3097	22-Feb-00	Enterococcus e		292	MPN Index/100ml
3098	22-Feb-00	Enterococcus		390	cfu / 100ml
3099	22-Feb-00	Enterococcus		3200	cfu / 100ml
3099	22-Feb-00	Enterococcus		3900	cfu / 100ml
3099	22-Feb-00	Fecal Coliforms		890	cfu / 100ml
3099	22-Feb-00	Fecal Coliforms		1200	cfu / 100ml
3100	22-Feb-00	Enterococcus		230	cfu / 100ml
3100	22-Feb-00	Fecal Coliforms		700	cfu / 100ml
3104	22-Feb-00	Enterococcus		330	cfu / 100ml
3105	22-Feb-00	Enterococcus		600	cfu / 100ml
3105	22-Feb-00	Fecal Coliforms		400	cfu / 100ml
3109	22-Feb-00	Enterococcus		512	MPN Index/100ml
3110	22-Feb-00	Enterococcus E		12996.5	MPN Index/100ml
3110	22-Feb-00	Fecal Coliforms		19862.8	MPN Index/100ml
3110	22-Feb-00	Fecal Coliforms		426	MPN Index/100ml
3112	22-Feb-00	Enterococcus		19862.8	MPN Index/100ml
3112	22-Feb-00	Fecal Coliform E		3900	cfu / 100ml
3113	22-Feb-00	Enterococcus		2382	MPN Index/100ml
3113	22-Feb-00	Fecal Coliforms		14000	cfu / 100ml
3113	22-Feb-00	Total Coliform E		24192	MPN Index/100ml
3121	22-Feb-00	Enterococcus E		4884	MPN Index/100ml
3121	22-Feb-00	Fecal Coliforms		24192	MPN Index/100ml
3121	22-Feb-00	Total Coliform >		50000	cfu / 100ml
3123	22-Feb-00	Enterococcus E		9208	MPN Index/100ml
3123	22-Feb-00	Fecal Coliforms		1200	cfu / 100ml
3125	22-Feb-00	Enterococcus		29000	cfu / 100ml

3125 22-Feb-00 Fecal Coliforms	2400 cfu / 100ml
3125 22-Feb-00 Total Coliforms	2909 MPN Index/100ml
3128 22-Feb-00 Enterococcus	19862.8 MPN Index/100ml
3128 22-Feb-00 Fecal Coliforms	46000 cfu / 100ml
3128 22-Feb-00 Total Coliforms	2400 cfu / 100ml
3163 22-Feb-00 Enterococcus <	313 MPN Index/100ml
3165 22-Feb-00 Enterococcus e	203 MPN Index/100ml
3168 22-Feb-00 Fecal Coliforms	630 MPN Index/100ml
3170 22-Feb-00 Enterococcus	260 MPN Index/100ml
3171 22-Feb-00 Enterococcus	16000 cfu / 100ml
3171 22-Feb-00 Fecal Coliforms	23000 cfu / 100ml
3173 22-Feb-00 Enterococcus	280 cfu / 100ml
3174 22-Feb-00 Enterococcus E	200 cfu / 100ml
3175 22-Feb-00 Enterococcus	1012 MPN Index/100ml
3175 22-Feb-00 Fecal Coliforms	4000 cfu / 100ml
3176 22-Feb-00 Enterococcus	2400 MPN Index/100ml
3196 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3196 22-Feb-00 Fecal Coliforms	1723 MPN Index/100ml
3197 22-Feb-00 Enterococcus	480 cfu / 100ml
3197 22-Feb-00 Fecal Coliforms	2300 MPN Index/100ml
3199 22-Feb-00 Enterococcus	8664 MPN Index/100ml
3199 22-Feb-00 Fecal Coliforms	241920 MPN Index/100ml
3199 22-Feb-00 Total Coliforr >	50000 MPN Index/100ml
3200 22-Feb-00 Enterococcus	170 MPN Index/100ml
3201 22-Feb-00 Enterococcus	1100 MPN Index/100ml
3207 22-Feb-00 Enterococcus	27000 cfu / 100ml
3207 22-Feb-00 Fecal Coliforms	4300 cfu / 100ml
3207 22-Feb-00 Total Coliforms	32000 cfu / 100ml
3208 22-Feb-00 Enterococcus	28000 cfu / 100ml
3208 22-Feb-00 Fecal Coliforms	4000 cfu / 100ml
3208 22-Feb-00 Total Coliforms	46000 cfu / 100ml
3210 22-Feb-00 Enterococcus	697 MPN Index/100ml
3210 22-Feb-00 Fecal Coliforms	697 MPN Index/100ml
3211 22-Feb-00 Enterococcus	1760 cfu / 100ml
3211 22-Feb-00 Fecal Coliforms	860 cfu / 100ml
3216 22-Feb-00 Enterococcus E	1076 MPN Index/100ml
3217 22-Feb-00 Enterococcus	61310 MPN Index/100ml
3217 22-Feb-00 Fecal Coliforms	6131 MPN Index/100ml
3217 22-Feb-00 Total Coliforms	31000 cfu / 100ml
3218 22-Feb-00 Enterococcus	47000 cfu / 100ml
3218 22-Feb-00 Fecal Coliforms	1483 MPN Index/100ml
3219 22-Feb-00 Enterococcus >	580000 cfu / 100ml
3219 22-Feb-00 Fecal Colifor E	27000 cfu / 100ml
3219 22-Feb-00 Total Coliforms	241917 MPN Index/100ml
3233 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3233 22-Feb-00 Fecal Coliforms	3000 MPN Index/100ml
3233 22-Feb-00 Total Coliforms	38730 MPN Index/100ml
3234 22-Feb-00 Enterococcus	16000 MPN Index/100ml
3234 22-Feb-00 Fecal Coliforms	24192 MPN Index/100ml
3235 22-Feb-00 Enterococcus	3000 MPN Index/100ml
3235 22-Feb-00 Fecal Coliforms	2300 cfu / 100ml
3235 22-Feb-00 Total Coliforms	16640 MPN Index/100ml

3237 22-Feb-00 Enterococcus	7701 MPN Index/100ml
3237 22-Feb-00 Fecal Coliforms	198628 MPN Index/100ml
3237 22-Feb-00 Total Coliforms	30000 MPN Index/100ml
3238 22-Feb-00 Enterococcus	1300 MPN Index/100ml
3238 22-Feb-00 Fecal Coliforms	24000 MPN Index/100ml
3238 22-Feb-00 Total Coliforms	34480 MPN Index/100ml
3241 22-Feb-00 Enterococcus	3090 MPN Index/100ml
3241 22-Feb-00 Fecal Coliforms	712 MPN Index/100ml
3242 22-Feb-00 Enterococcus	740 MPN Index/100ml
3244 22-Feb-00 Enterococcus	15000 cfu / 100ml
3244 22-Feb-00 Fecal Coliforms	3900 cfu / 100ml
3245 22-Feb-00 Enterococcus	500 MPN Index/100ml
3245 22-Feb-00 Fecal Coliforms	11000 MPN Index/100ml
3245 22-Feb-00 Total Coliforms	30760 MPN Index/100ml
3246 22-Feb-00 Enterococcus	42000 cfu / 100ml
3246 22-Feb-00 Fecal Coliforms	16000 cfu / 100ml
3246 22-Feb-00 Total Coliforms	41000 cfu / 100ml
3248 22-Feb-00 Enterococcus	4700 cfu / 100ml
3248 22-Feb-00 Fecal Coliforms	610 cfu / 100ml
3250 22-Feb-00 Fecal Coliform E	1130 MPN Index/100ml
3251 22-Feb-00 Enterococcus	46110 MPN Index/100ml
3251 22-Feb-00 Fecal Coliforms	7800 cfu / 100ml
3251 22-Feb-00 Total Coliforms	80000 cfu / 100ml
3261 22-Feb-00 Enterococcus >	24192 MPN Index/100ml
3291 22-Feb-00 Enterococcus >	1076 MPN Index/100ml
3291 22-Feb-00 Fecal Coliforms	2005 MPN Index/100ml
3291 22-Feb-00 Total Coliforms	12033 MPN Index/100ml
3332 22-Feb-00 Enterococcus	800 MPN Index/100ml
3332 22-Feb-00 Fecal Coliforms	15000 MPN Index/100ml
3333 22-Feb-00 Fecal Coliforms	740 MPN Index/100ml
3342 22-Feb-00 Enterococcus	200 MPN Index/100ml
3343 22-Feb-00 Enterococcus	520 MPN Index/100ml
3347 22-Feb-00 Enterococcus	213 MPN Index/100ml
3347 22-Feb-00 Fecal Coliforms	900 cfu / 100ml
3349 22-Feb-00 Enterococcus	1483 MPN Index/100ml
3349 22-Feb-00 Fecal Coliforms	2000 cfu / 100ml
3350 22-Feb-00 Enterococcus E	588 MPN Index/100ml
3350 22-Feb-00 Fecal Coliform E	480 cfu / 100ml
3359 22-Feb-00 Enterococcus	907 MPN Index/100ml
3361 22-Feb-00 Enterococcus >	110000 MPN Index/100ml
3405 22-Feb-00 Enterococcus E	4400 cfu / 100ml
3406 22-Feb-00 Enterococcus E	600 cfu / 100ml
3406 22-Feb-00 Fecal Coliforms	6015 MPN Index/100ml
3408 22-Feb-00 Enterococcus	3000 MPN Index/100ml
3408 22-Feb-00 Fecal Coliforms	14830 MPN Index/100ml
3408 22-Feb-00 Total Coliforms	17000 MPN Index/100ml
3409 22-Feb-00 Enterococcus	173 MPN Index/100ml
3410 22-Feb-00 Enterococcus	700 MPN Index/100ml
3410 22-Feb-00 Fecal Coliforms	1100 MPN Index/100ml
3411 22-Feb-00 Enterococcus	10140 MPN Index/100ml
3411 22-Feb-00 Fecal Coliforms	11000 MPN Index/100ml
3413 22-Feb-00 Enterococcus	122 MPN Index/100ml

3413	22-Feb-00	Fecal Coliform <	900	MPN Index/100ml
3427	22-Feb-00	Enterococcus	5700	cfu / 100ml
3427	22-Feb-00	Fecal Coliforms	2940	cfu / 100ml
3428	22-Feb-00	Enterococcus	1620	cfu / 100ml
3428	22-Feb-00	Fecal Coliforms	2600	cfu / 100ml
3443	22-Feb-00	Enterococcus >	6788	MPN Index/100ml
3443	22-Feb-00	Fecal Coliforms	24192	MPN Index/100ml
3444	22-Feb-00	Fecal Coliform <	565	MPN Index/100ml
3445	22-Feb-00	Fecal Coliforms	631	MPN Index/100ml
3446	22-Feb-00	Fecal Coliforms	961	MPN Index/100ml

SD/ORANGE COUNTIES ONLY

Geometric Means for Threshold-Exceeding Sites (SUMMER)

<u>StationID</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>Total</u> <u>Coliform</u>	<u>Fecal</u> <u>Coliform</u>	<u>Enterococci</u>	<u>Evidence Of</u> <u>Sewage</u>	<u>Water Outlet</u> <u>Flowing</u>
3069 ?	34.2207	-119.26	230.50	22.37	82.05		
3171	33.4408	-117.645	780.49	354.52	216.19		X
3173	32.839	-117.281	631.08	71.74	75.01		X
3199	33.6181	-117.891	1349.62	715.03	N/A		X
3217	32.7555	-117.249	189.52	94.81	121.92		
3237	33.6175	-117.891	379.23	236.73	N/A		
3244	33.5098	-117.752	214.10	101.19	43.41		X
3245	33.4814	-117.724	3207.59	846.42	N/A		X
3246	33.461	-117.682	1754.04	1148.77	303.16		X
3248	33.4319	-117.633	3893.46	1186.97	510.45		X
3251			76.94	48.51	63.87		X
3171U			268.01	138.75	95.98		X
3199U			299.23	217.57	N/A		

Calculations using only 4 data points

3028	32.541	-117.1248	303.61	26.73	47.62		
3237U			478.94	379.77	N/A		
3246D			1411.15	942.65	205.46		X
3246U			340.49	258.79	67.64		X

Geometric Means for Threshold-Exceeding Sites (Dry Winter)

StationID	Nominal Latitude	Nominal Longitude	Total Coliform	Fecal Coliform	Enterococci	Evidence Of Sewage	Water Outlet Flowing
3036	32.55	-117.12	1337.53	47.31	29.31		
3077	34.46	-120.11	94.01	30.16	128.74		
3078	34.41	-119.62	81.76	30.11	36.59		
3082	34.46	-120.11	145.88	64.99	115.14		
3099	33.43	-117.64	48.46	20.81	64.79	Saw Clemente	
3121	32.78	-117.2	169.55	47.48	40.20		
mb 3125	32.76	-117.21	442.82	272.35	179.18	Mission Bay	
3152	34.03	-118.54	251.74	58.33	37.58		X
3171	33.43	-117.64	85.80	32.10	76.47		X
3178	34.46	-120.12	103.99	32.83	51.53		
3181	34.4	-119.74	75.59	49.24	36.78		X
3182	34.41	-119.67	350.75	70.19	35.63		
3183	34.41	-119.66	242.76	65.94	35.39		
3184	34.41	-119.63	84.40	43.43	34.99		X
3188	34.03	-118.68	1491.55	297.43	420.77		X
3190	34	-118.49	484.82	138.92	52.56		
3199	33.61	-117.89	729.55	298.50	27.42		
3205	33.54	-117.78	48.21	26.35	52.73	Emerald Bay Light	X
- 3207	32.68	-117.19	80.75	49.32	104.78	Doherty Beach	X
- 3208	33.46	-117.68	169.51	100.86	421.72	Doherty Beach	X
3210	33.2	-117.39	567.79	200.10	55.35		X
3213	33.04	-117.29	3186.06	245.93	198.73	Moonlight Beach	X
3217	32.75	-117.24	111.48	20.70	48.06		
3221	34.46	-120.12	1419.44	131.80	261.62		X
3223	34.4	-119.74	87.77	42.77	39.34		X
3224	34.41	-119.67	229.09	68.46	59.64		X
3225	34.41	-119.63	183.39	82.67	49.17		X
3232	33.96	-118.45	2364.48	575.91	199.03		
3233	33.74	-118.11	345.12	91.48	55.25		
3234	33.63	-117.95	479.72	68.03	75.35		
3235	33.62	-117.95	1154.16	137.40	58.92		
3238	33.58	-117.87	151.57	79.02	35.45		
3244	33.5	-117.75	522.23	125.78	115.09	Laguna Beach	X
- 3245	33.48	-117.72	6464.51	370.25	270.77	Aliso Beach	
- 3246	33.46	-117.68	1538.00	565.63	934.24	Doherty Beach	X
3248	33.43	-117.63	2106.27	127.29	166.39		X
3251	32.75	-117.24	179.98	70.82	86.32		
3269	33.71	-118.28	66.10	45.24	58.79		
3273	33.75	-118.14	170.89	31.70	46.00	X	
3355	34.09	-119.09	146.55	57.45	56.19		
3361	32.43	-117.11	10485.01	7452.21	220.59	X	X
3362	32.42	-117.11	461.79	189.30	75.18		
3363	32.39	-117.1	211.61	142.25	76.55		
3364	32.36	-117.09	216.46	67.53	76.97	X	X
3365	32.34	-117.07	68.92	56.98	64.86		
3371	32.52	-117.12	503.63	180.88	89.88	X	
3385	31.76	-116.57	48.97	15.45	115.01		

3386	31.76	-116.58	7.58	4.65	41.46		
3387	31.71	-116.66	16.81	13.95	64.93		
3391	32.52	-117.12	381.02	198.88	134.36	X	X
3392	32.44	-117.1	1254.70	256.95	52.32	X	X
3393	32.34	-117.06	425.97	253.93	133.32	X	X
3394	32.26	-116.99	184.88	40.00	36.13		X
3395	32.22	-116.92	163.04	64.57	53.49		X
3398	31.88	-116.68	9758.04	7491.29	799.00	X	X
3399	31.85	-116.62	263.90	149.06	288.66		X
3400	31.84	-116.61	1060913.20	374530.86	63483.85	X	X
3408	33.54	-117.78	1351.46	341.29	66.69		
3417	34.03	-118.58	367.84	83.77	84.04		X
3418	34.03	-118.53	2418.44	172.35	443.14		X
3419	34.02	-118.51	188.69	47.50	78.60		
3420	34.01	-118.5	355.73	139.32	76.32		X
3424	33.83	-118.39	229.91	114.09	41.85		
3426	34.27	-119.31	187.22	60.89	130.25		X
3439	33.76	-118.2	8115.05	341.82	71.99		

Beaches/Oceans

Current Listings: Agua Beach ✓

Buena Vista Beach

Coronado Beach ✓

Dana Point ✓

Mouth of Escondido Creek ✓

Laguna Beach ✓

Forma Alta - South Ocean side Beach ✓

San Juan March Beach ✓

San Clemente Beach ✓

Buena Vista ✓

Agua Hedionda

San Elijo

Dog Beach - Mouth of SD River Ocean Beach ✓

Mouth of San Luis Rey

Mouth of Bolipintas

La Jolla Shores ✓

Trujillo

Imperial Beach

Pacific Beach - Tourmaline, Grand Ave ✓

San Diego Shores ✓

Carlsbad ✓

Moonlight Beach ✓

Carlsbad - Pacific Ocean Shores ✓

Delana Beach

San Luis Rey Shoresline

use both
4.000110/100.?

Geometric Means for Threshold-Exceeding Sites (Summer)

<u>StationID</u>	<u>Total</u> <u>Coliform</u>	<u>Fecal</u> <u>Coliform</u>	<u>Enterococci</u>
3008	329.23	208.71	35.12
3069	230.50	22.37	82.05
3171	780.49	354.52	216.19
3173	631.08	71.74	75.01
3199	1349.62	715.03	N/A
3217	189.52	94.81	121.92
3232	10506.11	1493.99	407.54
3237	379.23	236.73	N/A
3244	214.10	101.19	43.41
3245	3207.59	846.42	N/A
3246	1754.04	1148.77	303.16
3248	3893.46	1186.97	510.45
3251	76.94	48.51	63.87
3355	360.03	102.77	161.64
3361	1267.91	1196.28	N/A
3366	9099.91	3813.38	N/A
3371	662.16	662.16	N/A
3383	3872.08	3370.84	N/A
3384	1386.29	1386.29	N/A
3391	445.76	284.01	N/A
3392	16250.99	8915.23	N/A
3400	182922.02	186143.93	N/A
3171U	268.01	138.75	95.98
3199U	299.23	217.57	N/A
3237U	478.94	379.77	N/A

7
qualifiers
evidence of
seasonality

Geometric Means for Threshold-Exceeding Sites (Dry Winter)

<u>StationID</u>	<u>Total</u> <u>Coliform</u>	<u>Fecal</u> <u>Coliform</u>	<u>Enterococci</u>
3036	1337.53	47.31	29.31
3077	94.01	30.16	128.74
3078	81.76	30.11	36.59
3082	145.88	64.99	115.14
3099	48.46	20.81	64.79
3121	169.55	47.48	40.20
3125	442.82	272.35	179.18
3152	251.74	58.33	37.58
3171	85.80	32.10	76.47
3178	103.99	32.83	51.53
3181	75.59	49.24	36.78
3182	350.75	70.19	35.63
3183	242.76	65.94	35.39
3184	84.40	43.43	34.99
3188	1491.55	297.43	420.77
3190	484.82	138.92	52.56
3199	729.55	298.50	27.42
3205	48.21	26.35	52.73
3207	80.75	49.32	104.78
3208	169.51	100.86	421.72
3210	567.79	200.10	55.35
3213	3186.06	245.93	198.73
3217	111.48	20.70	48.06
3221	1419.44	131.80	261.62
3223	87.77	42.77	39.34
3224	229.09	68.46	59.64
3225	183.39	82.67	49.17
3232	2364.48	575.91	199.03
3233	345.12	91.48	55.25
3234	479.72	68.03	75.35
3235	1154.16	137.40	58.92
3238	151.57	79.02	35.45
3244	522.23	125.78	115.09
3245	6464.51	370.25	270.77
3246	1538.00	565.63	934.24
3248	2106.27	127.29	166.39
3251	179.98	70.82	86.32
3269	66.10	45.24	58.79
3273	170.89	31.70	46.00
3355	146.55	57.45	56.19
3361	10485.01	7452.21	220.59
3362	461.79	189.30	75.18
3363	211.61	142.25	76.55
3364	216.46	67.53	76.97
3365	68.92	56.98	64.86
3371	503.63	180.88	89.88
3385	48.97	15.45	115.01
3386	7.58	4.65	41.46

3387	16.81	13.95	64.93
3391	381.02	198.88	134.36
3392	1254.70	256.95	52.32
3393	425.97	253.93	133.32
3394	184.88	40.00	36.13
3395	163.04	64.57	53.49
3398	9758.04	7491.29	799.00
3399	263.90	149.06	288.66
3400	1060913.20	374530.86	63483.85
3408	1351.46	341.29	66.69
3417	367.84	83.77	84.04
3418	2418.44	172.35	443.14
3419	188.69	47.50	78.60
3420	355.73	139.32	76.32
3424	229.91	114.09	41.85
3426	187.22	60.89	130.25
3439	8115.05	341.82	71.99

San Diego County
Department of Environmental Health
1998 Beach Closure Report

Closed	Opened	Beach Location	City	Cause	Volume	Type	Source	# of Days
January								
1/4/98	1/8/98	Mission Bay - Visitor Information Center	San Diego	Roots/Grease	730	Raw	Sewer line	4
1/10/98	1/13/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw/Mixed	Tijuana River	3
1/15/98	1/16/98	San Diego Bay - Glorietta Bay	Coronado	Cross-connection	6,000	Raw	Sewer line	1
Total								8

February

2/3/98	2/12/98	San Onofre State Beach (Trestles)	San Clemente	Surcharge/Infiltration	19,500	Raw	Sewer Line	9
2/14/98	2/17/98	Santa Margarita River	Camp Pendelton	Construction	15,000	Raw	Sewer Line	3
2/24/98	3/2/98	Santa Margarita River	Camp Pendelton	Infiltration	200,000	Raw/Mixed	Sewer Line	6
2/24/98	2/27/98	Buccaneer Beach - Loma Alta Lagoon	Oceanside	Infiltration	7,500	Raw	Sewer Line	3*
2/26/98	2/27/98	Buccaneer Beach - Loma Alta Lagoon	Oceanside	Line Break	3,000	Raw	Sewer Line	
2/24/98	3/9/98	Batiquitos Lagoon - Outlet	Carlsbad	Line Break	7,000,000	Raw	Sewer Line	13
2/17/98	2/20/98	Moonlight Beach	Encinitas	Pump Station Failure	85,000	Raw	Sewer Line	3
2/9/98	2/12/98	San Elijo Lagoon outlet	Encinitas	Debris/Urban Runoff	500	Raw/Mixed	Sewer Line	3
2/12/98	2/13/98	Torrey Pines State Beach - Los Penasquitos Lagoon	La Jolla	Debris/Urban Runoff	1,200	Raw/Mixed	Sewer Line	1
2/18/98	2/27/98	Torrey Pines State Beach - Los Penasquitos Lagoon	La Jolla	Line Break/Debris	120,150	Raw/Mixed	Sewer Line	9
2/10/98	2/27/98	Tourmaline Surf Park	Pacific Beach	Flood Damage/Rocks	23,500	Raw	Sewer Line	17
2/17/98*	2/27/98	Tourmaline Surf Park	Pacific Beach	Wash Out	27,000	Raw	Sewer Line	
2/10/98	2/13/98	San Diego River to Ocean Beach Pier	Ocean Beach	2 Surcharging Manholes	30,350	Raw	Sewer Line	3
2/9/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Surcharge	24,955	Raw	Sewer Line	28
2/16/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Line Break	250	Raw	Sewer Line	
2/16/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Flood Damage	43,300	Raw	Sewer Line	
2/17/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Surcharge/Infiltration	36,000	Raw	Sewer Line	
2/18/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Infiltration	12,050	Raw	Sewer Line	
2/20/98	3/9/98	Mission Bay, Crown Pt to Tecolote Creek	San Diego	Flood Damage/Infiltration	10,500	Raw	Sewer Line	
2/6/98	2/28/98	San Diego Bay @ 32nd Street*	La Mesa	Surcharge/Infiltration	100,000	Raw	Sewer Line	22
2/9/98	2/28/98	San Diego Bay @ 32nd Street	La Mesa	Surcharge/Infiltration	9,125	Raw	Sewer Line	
2/9/98	2/28/98	San Diego Bay @ 32nd Street	La Mesa	Surcharge/Infiltration	135,000	Raw	Sewer Line	
2/14/98	2/28/98	San Diego Bay @ 32nd Street	La Mesa	Surcharge/Infiltration	20,000	Raw	Sewer Line	
2/17/98	2/28/98	San Diego Bay @ 32nd Street	La Mesa	Surcharge/Infiltration	1,500	Raw	Sewer Line	
2/24/98	2/28/98	San Diego Bay @ 32nd Street	La Mesa	Surcharge/Infiltration	2,160	Raw	Sewer Line	
2/9/98	2/12/98	Silver Strand & Coronado	Coronado	Contamination/Stormdrains		Raw/Mixed	Tijuana River	3
2/3/98	2/27/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw/Mixed	Tijuana River	24
Total								147

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March

3/10/98	3/18/98	San Diego River Outlet	Ocean Beach	Flood Damage	122,360	Raw	Sewer Line	8
3/13/98	3/18/98	Tourmaline Surf Park	Pacific Beach	Flood Damage	4,838	Raw	Sewer Line	5
3/13/98*	3/18/98	Tourmaline Surf Park	Pacific Beach	Line Break	6,300	Raw	Sewer Line	
3/15/98	3/18/98	32nd Street, San Diego Bay	San Diego	Vandalism	19,150	Raw	Sewer Line	3
3/27/98	4/3/98	Cardiff State Beach	Encinitas	Grease	3,150	Raw	Sewer Line	7
3/27/98	3/31/98	San Diego River Outlet	Ocean Beach	Grease	16,500	Raw	Sewer Line	4
3/27/98	3/31/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	4
Total								31

April

4/1/98	4/7/98	Tourmaline Surf Park	Pacific Beach	Line Break	16,600	Raw	Sewer Line	6
4/29/98	5/1/98	Tourmaline Surf Park	Pacific Beach	Debris	2,265	Raw	Sewer Line	2
4/1/98*	4/5/98	San Diego River Outlet	Ocean Beach	Continuation of March Spill				4
4/15/98	4/24/98	San Diego River outlet	Ocean Beach	Debris	3,850	Raw	Sewer Line	9
4/16/98	4/20/98	Mission Bay, DeAnza Cove to Visitor Center	San Diego	Flood Damage	40,800	Raw	Sewer Line	4
4/1/98	4/7/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw/Mixed	Tijuana River	6
4/12/98	4/15/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	3
Total								34

May

5/13/98	5/20/98	Cardiff State Beach	Encinitas	Grease	31,500	Raw	Sewer Line	7
5/28/98	6/1/98	Cardiff State Beach	Encinitas	Grease	8,400	Raw	Sewer Line	4
5/5/98	5/11/98	San Dieguito River Outlet	Del Mar	Lake Hodges Sewage Spill	2,160,000	Raw	Sewer Line	6
5/13/98	5/17/98	Torrey Pines State Beach	La Jolla	Debris	2,600	Raw	Sewer Line	4
5/7/98	5/14/98	La Jolla Shores - Ave de la Playa	La Jolla	Elevated Bacteria Levels		Urban	Stormdrain	7
5/15/98	5/17/98	Mission Bay - Visitor Information Center	San Diego	Roots	11,250	Raw	Sewer Line	2
5/16/98*	5/17/98	Mission Bay - Leisure Lagoon to DeAnza Cove	San Diego	Washed out line	14,400	Raw	Sewer Line	
5/13/98	5/15/98	Imperial Beach and Silver Strand State Beach	Coronado	Tijuana River Contamination		Raw/Mixed	Tijuana River	2
5/1/98	5/11/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw/Mixed	Tijuana River	10
5/13/98	5/19/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw/Mixed	Tijuana River	6
Total								48

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June

6/1/98	6/4/98	San Luis Rey River	Oceanside	Vandalism	18,000	Raw	Sewer Line	3
6/10/98	6/11/98	Carlsbad City Beach	Carlsbad	Debris	1,500	Raw	Sewer Line	1
6/10/98	6/11/98	La Jolla Shores - Ave de la Playa	La Jolla	Elevated Bacteria Levels		Urban	Stormdrain	1
6/22/98	6/25/98	WindanSea	La Jolla	Roots	3,500	Raw	Sewer Line	3
6/16/98	6/18/98	San Diego River Outlet	Ocean Beach	Grease	1,800	Raw	Sewer Line	2
6/8/98	6/10/98	San Diego Bay - Kellogg Beach	Pt. Loma	Line Break	3,000	Raw	Sewer Line	2
6/12/98	6/15/98	San Diego Bay - Kellogg Beach	Pt Loma	Line Break	2,000	Raw	Sewer Line	3
6/18/98	6/23/98	San Diego Bay - Shelter Island	Pt. Loma	Line blockage	4,020	Raw	Sewer Line	5
Total								20

July

7/21/98	7/23/98	Mission Bay - Bonita Cove	San Diego	Pump Station Failure	32,200	Raw	Sewer Line	2
7/1/98	7/2/98	San Diego Bay - Kellogg Beach	Pt. Loma	Roots	2,480	Raw	Sewer Line	1
7/16/98	7/19/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	3
7/19/98	7/22/98	Cortez Ave to U.S./Mexico Border	Imperial Beach	Reduction in Posting			Tijuana River	3
7/22/98	7/29/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	7
7/22/98	7/25/98	San Elijo Lagoon - Cardiff State Beach	Encinitas	Lagoon Opening			Escondido Creek	3
Total								19

August

8/17/98	8/19/98	Torrey Pines State Beach	La Jolla	Tidal Flushing		Lagoon Opening	Lagoon	2
8/12/98	8/19/98	Main gate at Silver Strand State Beach	Coronado	Tijuana River Contamination		Raw	Tijuana River	7
8/11/98	8/19/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	8
8/29/98	9/1/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	3
Total								20

September

9/5/98	9/9/98	N. Carlsbad State Beach	Carlsbad	Corrosion	50,000	Raw	Sewer Line	4
9/14/98	9/17/98	Cardiff State Beach - San Elijo Lagoon	Solana Beach	Crack in Line	800,000	Raw	By-Pass Line	3
9/30/98	10/2/98	Cardiff State Beach - San Elijo Lagoon	Solana Beach	Tidal Flushing		Raw/Lagoon Opening	San Elijo Lagoon	2
9/30/98	10/2/98	La Jolla Shores - Ave de la Playa	La Jolla	Elevated Bacteria levels		Urban Runoff	Stormdrain	2
9/4/98	9/6/98	WindanSea Beach	La Jolla	Pump Station Failure	3,000	Raw	Sewer Pump Station	2
9/30/98	10/3/98	WindanSea Beach - Fernglen Ave	La Jolla	Contractor	12,000	Raw	Sewer Line	3
9/28/98	9/30/98	San Diego Bay - Chollas Creek	San Diego	Unknown	925	Raw	Sewer Line	2
9/1/98	9/5/98	Carnation Ave to U.S./Mexico Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	4

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9/6/98	9/30/98	Carnation Ave to U.S./Mexico Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	24
Total								46

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October

10/26/98*	12/31/98*	Buccaneer Beach - Loma Alta Lagoon	Oceanside	Urban Runoff		Lagoon Opening		
10/5/98	10/9/98	San Diego River	Ocean Beach	Debris	15,800	Raw	Sewer Line	4
10/6/98*	10/9/98	San Diego River	Ocean Beach	Sanitizer spill	100			
10/1/98	10/2/98	San Diego Bay - Glorietta Bay	Coronado	Crack in Line	2,500	Raw	Sewer Line	1
10/1/98	11/1/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination			Tijuana River	31
Total								36

November

11/5/98	11/7/98	Torrey Pines State Beach	La Jolla	Tidal Flushing		Lagoon Opening	Lagoon	2
11/5/98	11/7/98	Mission Bay - Visitor Information Center	San Diego	Debris	200	Raw	Sewer Line	2
11/1/98	11/20/98	Carnation Ave to Border	Imperial Beach	Tijuana River Contamination		Raw	Tijuana River	19
Total								23

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December

12/5/98	12/9/98	WindanSea	La Jolla	Power Outage	2,500	Raw	Sewer Line	4
12/7/98	12/9/98	Torrey Pines State Beach	La Jolla	Roots	355,920	Raw	Sewer Line	2
12/12/98	12/15/98	San Diego Bay - Scott Street	Pt Loma	Contractor	18,700	Raw	Sewer Line	3
12/21/98	12/23/98	San Diego River - Dog Beach	Ocean Beach	Grease/Debris	6,640	Raw	Sewer Line	2
Total								11
Total for Year								443

1/4/98	1/7/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
1/20/98	1/23/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
1/29/98	2/1/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
2/3/98	2/6/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
2/9/98	2/12/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
2/14/98	2/27/98	General Advisory - Extended	Countywide	Urban Runoff		Rain	Stormdrains	13
3/27/98	3/30/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
3/31/98	4/3/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
4/13/98	4/19/98	General Advisory - Extended	Countywide	Urban Runoff		Rain	Stormdrains	6
5/6/98	5/9/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrain	3
5/13/98	5/16/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrain	3
11/8/98	11/11/98	General Advisory	Countywide	Urban Runoff		Rain	Stormdrains	3
11/29/98	12/9/98	General Advisory - Extended	Countywide	Urban Runoff		Rain	Stormdrains	10
Total								59

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Impacted Beach(es)				Cause of Impact			
Beach Name	Beginning	Ending	Total Days	Type	Volume (gallons)	Cause	Location
1 Buccaneer Beach (Loma Alta Creek)	1/1/99	5/7/99	127	CHRONIC	NA	Chronic Exceedance	Buccaneer Beach
2 Children's Pool	1/1/99	12/31/99	365	CHRONIC	NA	Chronic Exceedance	Children's Pool
3 Either side of Tijuana Rivermouth, Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	1/1/99	7/9/99	190	CHRONIC	NA	Chronic Exceedance	Either side of Tijuana Rivermouth, Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park
4 Sunset Cliffs Park	1/12/99	1/14/99	2	SEWAGE	800	Break, main line	Sunset Cliffs @ Monaco St
5 La Jolla Shores Beach	1/13/99	1/15/99	2	COMPLAINT	N/A	Urban Runoff (includes rain)	Ave De La Playa
6 San Diego County Coastline	1/25/99	1/29/99	4	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
7 Imperial Beach to U.S. / Mexico border	1/25/99	2/3/99	9	SEWAGE	N/A	Urban Runoff (includes rain)	Tijuana Rivermouth
8 Cardiff State Beach	1/27/99	2/3/99	7	LAGOON	N/A	Lagoon / River excavation or opening	San Elijo Lagoon outlet
9 Carlsbad City Beach	1/31/99	2/1/99	1	SEWAGE	300	Blockage, grease	Carlsbad Village Drive
10 San Diego County Coastline	2/5/99	2/9/99	4	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
11 Camp Del Mar (USMC Camp Pendleton)	2/14/99	2/19/99	5	SEWAGE	76,500	Blockage, grease	Camp del Mar
12 La Jolla Shores Beach	2/23/99	2/27/99	4	OTHER	2,000	Urban Runoff (includes rain)	Ave De La Playa
13 Tijuana Slough Natl Wildlife Refuge Shoreline	3/3/99	3/13/99	10	SEWAGE	1,200,000	Maintenance related	Tijuana Rivermouth
14 South Carlsbad State Beach	3/4/99	3/5/99	1	SEWAGE	2,000	Break, main line	Batiquitos Lagoon outlet
15 La Jolla Community Beach	3/5/99	3/8/99	1	SEWAGE	490	Blockage, roots	Bird Rock
16 San Diego County Coastline	3/15/99	3/18/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
17 Mission Bay (Campland)	3/15/99	3/19/99	4	SEWAGE	630	Blockage, roots	Campland
18 Oceanside City Beach	3/19/99	3/20/99	1	SEWAGE	300	Blockage, grease	Loma Alta Creek outlet
19 Ocean Beach	3/21/99	3/24/99	3	SEWAGE	8,140	Vandalism	San Diego River outlet (Dog Beach)
20 La Jolla Shores Beach	3/21/99	3/24/99	3	SEWAGE	1,245	Blockage, roots	El Paseo Grande
21 San Diego County Coastline	3/25/99	3/28/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
22 Oceanside City Beach	3/31/99	4/5/99	5	SEWAGE	84,000	Break, main line	Loma Alta Creek outlet
23 San Diego County Coastline	4/2/99	4/5/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
24 Imperial Beach to U.S. / Mexico border	4/2/99	4/6/99	4	SEWAGE	N/A	Urban Runoff (includes rain)	Tijuana Rivermouth
25 San Diego County Coastline	4/7/99	4/10/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
26 San Diego County Coastline	4/12/99	4/15/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Countywide
27 Del Mar City Beach	4/24/99	4/25/99	1	SEWAGE	300	Blockage, grease	15th Street, Del Mar
28 Imperial Beach to U.S. / Mexico border	4/28/99	5/3/99	5	SEWAGE	10,633,333	Maintenance related	Tijuana Rivermouth
29 Tourmaline Surf Park	4/29/99	5/3/99	4	SEWAGE	4,350	Blockage, rocks	Tourmaline Surf Park
30 Tijuana Slough Natl Wildlife Refuge Shoreline	4/30/99	5/3/99	3	SEWAGE	1,909,166	Pump failure	Tijuana Rivermouth
31 Oceanside City Beach	5/4/99	5/6/99	2	SEWAGE	8,250	Blockage, grease	Buena Vista Lagoon outlet
32 Cardiff State Beach	5/5/99	5/7/99	2	OTHER	N/A	Lagoon / River excavation or opening	San Elijo Lagoon outlet
33 Ocean Beach	5/6/99	5/10/99	4	SEWAGE	700	Blockage, roots	San Diego River outlet (Dog Beach)
34 Ocean Beach	5/10/99	5/14/99	4	SEWAGE	400,000	Break, main line	San Diego River outlet (Dog Beach)
35 Cardiff State Beach	5/14/99	5/17/99	3	OTHER	N/A	Lagoon / River excavation or opening	San Elijo Lagoon outlet
36 Ocean Beach	5/18/99	5/21/99	3	SEWAGE	28,250	Blockage, rocks	San Diego River outlet (Dog Beach)
37 Torrey Pines State Beach	5/22/99	6/1/99	10	FOLLOWUP	N/A	Bacteria levels exceed standards	Torrey Pines (Los Penasquitos Lagoon outlet)
38 Ocean Beach	5/21/99	5/26/99	5	SEWAGE	3,100	Blockage, roots	San Diego River outlet (Dog Beach)
39 Del Mar City Beach	6/10/99	6/16/99	6	OTHER	N/A	Lagoon / River excavation or opening	San Dieguito River Beach
40 Torrey Pines State Beach	6/8/99	6/12/99	4	FOLLOWUP	N/A	Bacteria levels exceed standards	Torrey Pines (Los Penasquitos Lagoon outlet)
41 Oceanside City Beach	6/4/99	6/9/99	5	OTHER	N/A	Lagoon / River excavation or opening	Loma Alta Creek outlet
42 Mission Bay (Boat Launch Area)	6/15/99	6/18/99	3	SEWAGE	400	Private overflow	Bahia Point

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Impacted Beach(es)				Cause of Impact			
Beach Name	Beginning	Ending	Total Days	Type	Volume (gallons)	Cause	Location
43 Mission Bay	6/17/99	6/19/99	2	FOLLOWUP	N/A	Bacteria levels exceed standards	Campland
44 Cardiff State Beach	6/25/99	6/29/99	4	SEWAGE	5,000	Pump failure	San Elijo Lagoon outlet
45 Mission Bay (Bonita Cove)	7/2/99	7/3/99	1	FOLLOWUP	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
46 South Bay Coastline	7/8/99	7/11/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	San Diego Bay and Tijuana Slough NWRS
47 Tijuana Slough Nat'l Wildlife Refuge Shoreline	7/8/99	7/11/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Tijuana Rivermouth
48 Mission Bay (Vacation Isle)	7/11/99	7/13/99	2	SEWAGE	720	Break, main line	Vacation Isle
49 La Jolla Community Beach	7/24/99	7/27/99	3	SEWAGE	2,160	Vandalism	Vista De La Playa
50 Cardiff State Beach	7/29/99	7/30/99	1	OTHER	N/A	Lagoon / River excavation or opening	San Elijo Lagoon outlet
51 Seascape Beach Park	7/28/99	8/1/99	4	SEWAGE	900	Blockage, debris	Seascape Beach Park
52 Tourmaline Surf Park	7/30/99	7/31/99	1	MONITORING	N/A	Bacteria levels exceed standards	P.B. Point
53 San Diego Bay (Shelter Island)	8/5/99	8/10/99	5	MONITORING	N/A	Bacteria levels exceed standards	Shelter Island
54 Mission Bay (Campland)	8/5/99	8/10/99	5	MONITORING	N/A	Bacteria levels exceed standards	Campland
55 Mission Bay (Mariners Basin)	8/6/99	8/7/99	1	MONITORING	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
56 San Diego Bay (Spanish Landing)	8/6/99	8/10/99	4	SEWAGE	5,000	Break, main line	Spanish Landing
57 Imperial Beach City Beach	8/10/99	8/12/99	2	MONITORING	N/A	Bacteria levels exceed standards	Palm Ave
58 Tourmaline Surf Park	8/11/99	8/13/99	2	MONITORING	N/A	Bacteria levels exceed standards	P.B. Point
59 San Diego Bay	8/10/99	8/17/99	7	SEWAGE	2,000	Blockage, roots	shoreline near Peough's restaurant
60 Mission Bay (La Mancha)	8/13/99	8/17/99	4	MONITORING	N/A	Bacteria levels exceed standards	La Mancha
61 Tourmaline Surf Park	8/19/99	8/26/99	7	MONITORING	N/A	Bacteria levels exceed standards	P.B. Point
62 Whispering Sands Beach	8/24/99	8/26/99	2	MONITORING	N/A	Bacteria levels exceed standards	Coast Blvd.-Nicholson Pt
63 Moonlight State Beach	8/24/99	8/26/99	2	MONITORING	N/A	Bacteria levels exceed standards	Moonlight Beach (Cottonwood Creek outlet)
64 Mission Bay (La Mancha)	8/27/99	8/30/99	3	MONITORING	N/A	Bacteria levels exceed standards	La Mancha
65 Whispering Sands Beach	8/31/99	9/2/99	2	MONITORING	N/A	Bacteria levels exceed standards	Coast Blvd.-Nicholson Pt
66 La Jolla Shores Beach	9/2/99	9/3/99	1	OTHER	N/A	Urban Runoff (includes rain)	Ave De La Playa
67 La Jolla Shores Beach	9/2/99	9/3/99	1	MONITORING	N/A	Bacteria levels exceed standards	Del Oro (NR)
68 Mission Bay (Campland)	9/3/99	9/8/99	5	SEWAGE	684	Blockage, roots	Campland
69 San Diego Bay	9/8/99	9/10/99	2	MONITORING	N/A	Bacteria levels exceed standards	Kellogg St.
70 Mission Bay (Campland)	9/9/99	9/14/99	5	MONITORING	N/A	Bacteria levels exceed standards	Campland
71 San Diego Bay	9/10/99	9/14/99	4	MONITORING	N/A	Bacteria levels exceed standards	Tidelands Park
72 Whispering Sands Beach	9/14/99	9/17/99	3	MONITORING	N/A	Bacteria levels exceed standards	Coast Blvd.-Nicholson Pt
73 Tourmaline Surf Park	9/15/99	9/24/99	9	MONITORING	N/A	Bacteria levels exceed standards	P.B. Point
74 Whispering Sands Beach	9/16/99	9/17/99	1	MONITORING	N/A	Bacteria levels exceed standards	Ravina
75 Mission Bay (Wildlife Refuge)	9/16/99	9/17/99	1	MONITORING	N/A	Bacteria levels exceed standards	Wildlife Refuge
76 La Jolla Shores Beach	9/16/99	9/21/99	5	COM	9,000	Urban Runoff (includes rain)	Ave De La Playa
77 Mission Bay (Mariners Basin)	9/20/99	9/23/99	3	MONITORING	N/A	Bacteria levels exceed standards	Bahia Point
78 South Bay Coastline	9/21/99	9/25/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	San Diego Bay and Tijuana Slough NWRS
79 Whispering Sands Beach	9/21/99	9/23/99	2	MONITORING	N/A	Bacteria levels exceed standards	Coast Blvd.-Nicholson Pt

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Impacted Beach(es)				Cause of Impact			
Beach Name	Beginning	Ending	Total Days	Type	Volume (gallons)	Cause	Location
80 Tijuana Slough Nat'l Wildlife Refuge Shoreline	9/22/99	9/25/99	3	GEN ADV	N/A	Urban Runoff (includes rain)	Tijuana Rivermouth
81 Mission Bay (Tecolote Creek)	9/23/99	9/30/99	7	MONITORING	N/A	Bacteria levels exceed standards	Tecolote Creek
82 Mission Bay (Bonita Cove)	9/24/99	9/27/99	3	MONITORING	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
83 La Jolla Shores Beach	9/28/99	10/1/99	3	MONITORING	N/A	Bacteria levels exceed standards	Ave De La Playa
84 Ocean Beach	9/27/99	9/30/99	3	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
85 Tourmaline Surf Park	9/28/99	12/28/99	91	MONITORING	N/A	Bacteria levels exceed standards	P.B. Point
86 Whispering Sands Beach	9/28/99	10/13/99	15	MONITORING	N/A	Bacteria levels exceed standards	Ravina
87 Mission Bay (Visitor's Center)	9/30/99	10/5/99	5	MONITORING	N/A	Bacteria levels exceed standards	Visitor's Center
88 Mission Bay (Bonita Cove)	10/1/99	10/3/99	2	MONITORING	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
89 Mission Bay (Campland)	10/8/99	10/12/99	4	MONITORING	N/A	Bacteria levels exceed standards	Campland
90 Del Mar City Beach	10/8/99	10/11/99	3	MONITORING	N/A	Bacteria levels exceed standards	17th Street, Del Mar
91 Mission Bay (San Juan Cove)	10/11/99	10/12/99	1	MONITORING	N/A	Bacteria levels exceed standards	San Juan Cove
92 La Jolla Community Beach	10/12/99	10/14/99	2	MONITORING	N/A	Bacteria levels exceed standards	La Jolla Cove
93 Moonlight State Beach	10/13/99	10/14/99	1	MONITORING	N/A	Bacteria levels exceed standards	Moonlight Beach (Cottonwood Creek outlet)
94 Border Field State Park	10/13/99	10/14/99	1	MONITORING	N/A	Bacteria levels exceed standards	Monument Rd.
95 Mission Bay (Bonita Cove)	10/18/99	10/19/99	1	MONITORING	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
96 Moonlight State Beach	10/19/99	10/25/99	6	MONITORING	N/A	Bacteria levels exceed standards	Moonlight Beach (Cottonwood Creek outlet)
97 Mission Bay (Bahia Point)	10/22/99	10/25/99	3	MONITORING	N/A	Bacteria levels exceed standards	Bahia Point
98 Ocean Beach	10/26/99	10/30/99	4	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
99 Ocean Beach	10/28/99	11/1/99	4	MONITORING	N/A	Bacteria levels exceed standards	Bermuda Ave
100 Imperial Beach City Beach	10/28/99	10/29/99	1	MONITORING	N/A	Bacteria levels exceed standards	South end of Seacoast Dr
101 Pacific Beach	10/26/99	10/29/99	3	MONITORING	N/A	Bacteria levels exceed standards	Crystal Pier
102 Tourmaline Surf Park	10/26/99	10/29/99	3	MONITORING	N/A	Bacteria levels exceed standards	Tourmaline Surf Park
103 La Jolla Shores Beach	10/26/99	10/29/99	3	MONITORING	N/A	Bacteria levels exceed standards	Ave De La Playa
104 Oceanside City Beach	10/27/99	11/3/99	7	OTHER	N/A	Lagoon / River excavation or opening	San Luis Rey River outlet
105 Ocean Beach	11/1/99	11/2/99	1	MONITORING	N/A	Bacteria levels exceed standards	Ocean Beach @ Narragasset
106 Mission Bay (Bahia Point)	11/1/99	11/2/99	1	MONITORING	N/A	Bacteria levels exceed standards	Bahia Point
107 Mission Bay (Sail Bay)	11/4/99	11/5/99	1	MONITORING	N/A	Bacteria levels exceed standards	Sail Bay
108 Oceanside City Beach	11/3/99	11/13/99	10	OTHER	N/A	Lagoon / River excavation or opening	Buena Vista Lagoon outlet
109 Whispering Sands Beach	11/10/99	11/12/99	2	MONITORING	N/A	Bacteria levels exceed standards	Coast Blvd.-Nicholson Pt
110 Ocean Beach	11/10/99	11/12/99	2	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
111 Tourmaline Surf Park	11/9/99	11/12/99	3	MONITORING	N/A	Bacteria levels exceed standards	Tourmaline Surf Park
112 Windansea Beach	11/9/99	11/12/99	3	MONITORING	N/A	Bacteria levels exceed standards	Bonair

San Diego County 1999 Beach Closure Report

Impacted Beach(es)				Cause of Impact			
Beach Name	Beginning	Ending	Total Days	Type	Volume (gallons)	Cause	Location
113 Mission Bay (Pacific Passage)	11/12/99	11/16/99	4	MONITORING	N/A	Bacteria levels exceed standards	Pacific Passage
114 Mission Bay (Campland)	11/12/99	11/13/99	1	MONITORING	N/A	Bacteria levels exceed standards	Campland
115 Mission Bay (Bahia Point)	11/12/99	11/13/99	1	MONITORING	N/A	Bacteria levels exceed standards	Bahia Point
116 Ocean Beach	11/17/99	11/18/99	1	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
117 Shell Beach	11/16/99	11/18/99	2	SEWAGE	500	Construction related	Shell Beach
118 Mission Bay (Pacific Passage)	11/18/99	11/20/99	2	MONITORING	N/A	Bacteria levels exceed standards	Pacific Passage
119 Mission Bay (Leisure Lagoon)	11/18/99	11/20/99	2	MONITORING	N/A	Bacteria levels exceed standards	Leisure Lagoon
120 Mission Bay (DeAnza Cove)	11/18/99	11/30/99	12	MONITORING	N/A	Bacteria levels exceed standards	DeAnza Cove
121 Mission Bay (Bahia Point)	11/19/99	12/28/99	39	MONITORING	N/A	Bacteria levels exceed standards	Bahia Point
122 Mission Bay (Bonita Cove)	11/19/99	12/31/99	42	MONITORING	N/A	Bacteria levels exceed standards	Bonita Cove (Mariners)
123 Ocean Beach	11/22/99	11/23/99	1	MONITORING	N/A	Bacteria levels exceed standards	Bermuda Ave
124 Ocean Beach	11/24/99	11/25/99	1	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
125 Mission Bay (Balboa Ct)	11/25/99	11/30/99	5	COMPLAINT	N/A	Bacteria levels exceed standards	Balboa Ct.
126 Imperial Beach City Beach	11/24/99	11/30/99	6	MONITORING	N/A	Bacteria levels exceed standards	Camp Surf (Carnation Ave)
127 Oceanside City Beach	11/23/99	11/29/99	6	OTHER	N/A	Lagoon / River excavation or opening	San Luis Rey River outlet
128 San Diego Bay	11/24/99	11/28/99	4	SEWAGE	200	Private overflow	Shelter Island
129 Ocean Beach	12/1/99	12/28/99	27	MONITORING	N/A	Bacteria levels exceed standards	San Diego River outlet (Dog Beach)
130 Imperial Beach City Beach	12/1/99	12/3/99	2	MONITORING	N/A	Bacteria levels exceed standards	south end of Seacoast Dr
131 Mission Bay (DeAnza Cove)	12/2/99	12/31/99	29	MONITORING	N/A	Bacteria levels exceed standards	DeAnza Cove
132 Mission Bay (Campland)	12/2/99	12/31/99	29	MONITORING	N/A	Bacteria levels exceed standards	Campland
133 Mission Bay (Visitor's Center)	12/2/99	12/31/99	29	MONITORING	N/A	Bacteria levels exceed standards	Visitor's Center
134 Torrey Pines State Beach	12/1/99	12/2/99	1	OTHER	N/A	Lagoon / River excavation or opening	Torrey Pines (Los Penasquitos Lagoon outlet)
135 Mission Bay (Wildlife Refuge)	12/2/99	12/3/99	1	MONITORING	N/A	Bacteria levels exceed standards	Wildlife Refuge
136 Torrey Pines State Beach	12/2/99	12/8/99	6	SEWAGE	133,800	Break, main line	Torrey Pines (Los Penasquitos Lagoon outlet)
137 Mission Bay (Wildlife Refuge)	12/9/99	12/31/99	22	MONITORING	N/A	Bacteria levels exceed standards	Wildlife Refuge
138 Mission Bay (Hidden Anchorage)	12/16/99	12/17/99	1	MONITORING	N/A	Bacteria levels exceed standards	Hidden Anchorage
139 Tijuana Slough Nat'l Wildlife Refuge Shoreline	12/17/99	12/21/99	4	SEWAGE	41,256	Construction related	Tijuana Rivermouth
140 Mission Bay (Tecolote Creek)	12/27/99	12/29/99	2	MONITORING	N/A	Bacteria levels exceed standards	Tecolote Creek outlet
141 Mission Bay (Leisure Lagoon)	12/27/99	12/29/99	2	MONITORING	N/A	Bacteria levels exceed standards	Leisure Lagoon
142 La Jolla Community Beach	12/30/99	1/1/00	2	SEWAGE	450	Blockage, grease	La Jolla Cove

2000 San Diego County Beach Closures and Advisories

Summary and Comparison to Previous Years

In 2000, San Diego County experienced 2236 beach closure and advisory days as a result of reported water contamination events¹. The county as a whole also experienced 38 days when coastal waters were under a General Advisory due to urban runoff impacting beaches after rainfall.

Year 2000 had the greatest number beach closure and advisory days in San Diego County since information was recorded on these events. Year 2000 continued the trend of increasing beach closure and advisory days that started in 1998 when El Niño rains contributed to a large number of sewage spills. Yearly totals rose again in 1999 after the Beach Safety Bill was implemented in July. This law, also known as AB 411, standardized water monitoring and beach posting requirements statewide. In addition to more stringent requirements to post beaches when bacteria levels are exceeded in monitoring, a new bacteriological indicator, enterococci, was added to water analysis. The year 2000 was the first full year that local health agencies used the new regulations in the Beach Safety Bill. Unrelated to the new monitoring criteria, the number of sewage spills causing beach closures also increased from 1999.

Beach Closures

A "closure" is the placement of signs at a public beach that informs the public that the area is closed to swimming and/or water contact due to water contamination. Orange or yellow warning signs reading *"Contaminated Water - Keep Out"* indicate a beach closure. A beach closure is a consequence of a reported sewage spill that impacts, or may impact, water quality at a recreational beach. Sewage contaminated water poses the greatest health risk to ocean users.

Beach Advisories / Warnings

An advisory or warning is the placement of signs at a public beach that warns the public against swimming and/or water contact due to the risk of possible illness. White warning signs reading *"Warning - Contact With This Water may Cause Illness. Bacteria Levels Exceed Health Standards"* indicate an advisory/ warning. An advisory/ warning is a consequence of bacteria levels in monitoring results exceeding State standards. The source of the bacteria is usually unknown, but may include domestic pet, wildlife, bird, or human feces, soils, or decaying plant matter. Another situation in which a beach is under advisory is during the excavation of a river mouth or lagoon opening when potentially contaminated water is released into the ocean. Shoreline water monitoring includes over 100 locations from San Onofre State Beach to the U.S./ Mexico border sampled weekly between April 1 and October 31.

General Advisory

The Department of Environmental Health issues a General Advisory to avoid ocean and bay water contact to 300 feet on either side of any storm drain, river, or lagoon outlets for 72 hours after 0.2 inches or more of rain. A General Advisory is listed on the County web page (www.sdcdeh.org "Beach & Bay Status Report"), phone message (619.338.2073), and in the San Diego Union Tribune weather page. When rainfall washes pollutants off streets and urban areas, urban runoff is carried to beaches via storm drain, river, and lagoon outlets where it contaminates ocean waters. Urban runoff has been correlated to an increased risk of illness among ocean users near these outlets.

¹ The 2236 day closure and advisory total does not include beaches posted under Long Term Advisories due to on-going sources of contamination. Beaches with Long Term Advisories included the Tijuana Slough National Wildlife Refuge and Border Field State Park, Buccaneer beach in Oceanside, and the Children's Pool in La Jolla. Although monitoring results at these beaches was occasionally within State standards, the presence of a known source of contamination, i.e., a river, a creek, and seals respectively, require these areas to be posted as a precaution.

San Diego County 2000 Beach Closure & Advisory Report

Impacted Beach(es)				Cause of Impact				
Beach Name	Beginning	Ending	Total Days	Type	Volume (gallons)	Cause / Receiving Water	Location	Length ft.
1 Mission Bay	1/1/00	3/10/00	69	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	150
2 Mission Bay	1/1/00	4/14/00	104	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	150
3 Mission Bay	1/1/00	1/13/00	12	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	150
4 Mission Bay	1/1/00	4/27/00	114	Monitoring*	N/A	Bacterial levels Exceed Standards	Visitor's Center	150
5 Mission Bay	1/1/00	4/14/00	104	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	150
6 Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	1/8/00	1/24/00	16	Sewage	11000000	Diversion shut down / Tijuana River	TJSNWRS and Border Field State Park	5200
7 Torrey Pines State Beach	1/4/00	1/7/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	150
8 La Jolla Community Beach	1/4/00	1/5/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach-north Nicholson Pt.	150
9 Ocean Beach	1/4/00	1/5/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	San Diego River outlet (Dog Beach)	150
10 Oceanside City Beach	1/3/00	1/5/00	2	Other	unk	Outlet Excavation / Loma Alta Creek	Buccaneer Beach	400
11 Mission Bay	1/6/00	1/13/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	150
12 Mission Bay	1/5/00	1/8/00	3	Sewage	225	Private Overflow	Visitor's Center	200
13 Mission Bay	1/7/00	1/9/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Sail Bay	150
14 Mission Bay	1/7/00	1/9/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Quivera Basin	150
15 Mission Bay	1/13/00	1/15/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Crown Point	150
16 La Jolla Shores	1/12/00	1/14/00	2	Other	3000	Outlet Excavation / storm drain	Ave De La Playa	250
17 Ocean Beach	1/19/00	4/26/00	92	Monitoring*	N/A	Bacterial levels Exceed Standards	San Diego River outlet (Dog Beach)	150
18 La Jolla Shores Beach	1/19/00	1/21/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ave De La Playa	150
19 La Jolla Community Beach	1/19/00	1/21/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach-north Nicholson Pt.	150
20 Mission Bay	1/20/00	5/7/00	104	Monitoring	N/A	Bacterial levels Exceed Standards	Tecolote Creek outlet	150
21 Ocean Beach	1/20/00	1/24/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Bermuda Ave	150
22 La Jolla Community Beach	1/24/00	1/27/00	3	Sewage	720	Blockage due to Debris	La Jolla Cove	200
23 San Diego County Coastline	1/25/00	1/28/00	3	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0
24 Oceanside City Beach	1/26/00	6/16/00	198	Chronic*	unk	Bacterial levels Exceed Standards / Loma Alta Creek	Buccaneer Beach	300
25 Mission Bay	1/27/00	1/28/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	150
26 Mission Bay	1/27/00	1/31/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	150
27 Mission Bay	1/27/00	5/5/00	95	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	150
28 Mission Bay	1/28/00	1/31/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	150
29 Mission Bay	1/28/00	1/31/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	150

30	Oceanside / Carlsbad border	1/31/00	2/8/00	8	Sewage	115000	Vandal Activities / Buena Vista Lagoon	Buena Vista Lagoon outlet	600
31	Oceanside / Carlsbad border	1/31/00	2/8/00	0	Sewage	1700000	Sewer Main Break / Buena Vista Lagoon	Buena Vista Lagoon outlet	-
32	Torrey Pines State Beach	2/1/00	2/8/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	150
33	La Jolla Shores Beach	2/1/00	2/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ave De La Playa	150
34	La Jolla Community Beach	2/1/00	2/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Windansea - Bonair	150
35	Pacific Beach	2/1/00	2/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Crystal Pier	150
36	Torrey Pines City Beach	1/31/00	2/3/00	3	Sewage	20700	Pump Station Failure / golf course stream	Black's Beach	400
37	Tourmaline Surf Park	2/3/00	2/4/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	P.B. Point, inside cove	150
38	Mission Bay	2/5/00	2/9/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Sail Bay	150
39	Mission Bay	2/4/00	2/7/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	San Juan Cove	150
40	Mission Bay	2/5/00	2/9/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Vacation Isle	150
41	Mission Bay	2/4/00	2/9/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	150
42	La Jolla Community Beach	2/8/00	2/10/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bird Rock	300
43	Mission Bay	3/1/00	4/14/00	43	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
44	Mission Bay	3/1/00	3/28/00	27	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
45	Oceanside / Carlsbad border	2/11/00	2/22/00	11	Sewage	198000	Sewer Main Break / Buena Vista Lagoon	Buena Vista Lagoon outlet	600
46	San Diego County Coastline	2/11/00	2/29/00	18	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0
47	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	2/16/00	4/7/00	49	Sewage / Chronic*	unk	Urban Runoff / Tijuana River	TJSNWRs and Border Field State Park	5200
48	Mission Bay	3/1/00	4/14/00	43	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
49	Mission Bay	3/1/00	3/31/00	30	Monitoring	N/A	Bacterial levels Exceed Standards	Fiesta Island Bridge	300
50	Imperial Beach City Beach	2/21/00	3/1/00	9	Sewage	unk	Urban Runoff / Tijuana River	Imperial Beach shoreline	7000
51	Sunset Cliffs Park	2/22/00	2/25/00	3	Sewage - t.	20000	Surcharge	Sunset Cliffs ~ Pt Loma WWTP	1000
52	Silver Strand State Beach	2/24/00	3/1/00	6	Sewage	unk	Urban Runoff / Tijuana River	Silver Strand State Beach to Imperial Beach	10000
53	Coronado City Beach	2/24/00	2/28/00	4	Sewage	unk	Urban Runoff / Tijuana River	Ave Del Sol south to USN property	1000
54	Ocean Beach	2/28/00	3/3/00	4	Sewage	34000000	Flood Damage / San Diego River	San Diego River outlet (Dog Beach)	6000
55	Del Mar City Beach	2/23/00	3/11/00	16	Other	unk	Outlet Excavation / San Dieguito River	San Dieguito River Beach	400
56	Torrey Pines State Beach	2/24/00	2/26/00	2	Sewage	2790	Debris blockage / storm drain	shoreline near Stratford Park Cr.	400
57	Encinitas City Beach	2/28/00	3/2/00	3	Sewage	200	Private Overflow	Moonlight State Beach (Cottonwood Creek outlet)	200
58	Tourmaline Surf Park	3/3/00	3/10/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	P.B. Point, inside cove	300
59	Mission Bay	3/3/00	3/31/00	28	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
60	San Onofre State Beach	3/6/00	3/14/00	8	Sewage	250	Sewer Main Break / San Onofre Creek	San Onofre Creek outlet	300
61	San Diego County Coastline	3/5/00	3/9/00	4	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0

62	San Onofre State Beach	3/6/00	3/21/00	15	Sewage	500	Power Failure	San Mateo Creek outlet	300
63	Torrey Pines State Beach	3/7/00	3/10/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	300
64	La Jolla Shores Beach	3/7/00	3/9/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ave De La Playa	300
65	Imperial Beach City Beach	3/6/00	3/10/00	4	Sewage	unk	Urban Runoff / Tijuana River	Imperial Beach shoreline	7000
66	Imperial Beach City Beach	3/10/00	3/13/00	3	Sewage	unk	Urban Runoff / Tijuana River	south Seacoast to Cortez	2500
67	Tourmaline Surf Park	3/7/00	3/9/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Tourmaline Surf Park	300
68	Imperial Beach City Beach	3/16/00	3/23/00	7	Sewage	unk	Urban Runoff / Tijuana River	Imperial Beach shoreline	7000
69	San Diego Bay	3/21/00	3/24/00	3	Sewage	493000	Vandal Activities	multiple beaches on SD Bay	1500
70	Oceanside / Carlsbad border	3/20/00	3/23/00	3	Sewage	15000	Blockage due to Grease	Buena Vista Lagoon outlet	300
71	La Jolla Shores Beach	3/21/00	3/25/00	4	Other	2000	Outlet Excavation / storm drain	Ave De La Playa	300
72	Pacific Beach	3/21/00	3/23/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Crystal Pier	300
73	Oceanside City Beach	3/25/00	3/28/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	San Luis Rey River outlet	300
74	Mission Bay	3/31/00	4/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
75	Mission Bay	4/1/00	4/4/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
76	Del Mar City Beach	4/5/00	4/6/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	San Dieguito River Beach	300
77	Torrey Pines State Beach	4/4/00	4/7/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	300
78	Pacific Beach	4/4/00	4/6/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Crystal Pier	300
79	Imperial Beach City Beach	4/6/00	4/7/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
80	Mission Bay	4/7/00	4/9/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	300
81	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	4/12/00	5/15/00	32	Sewage	24000000	Diversion shut down / Tijuana River	TJSNWRS and Border Field State Park	5200
82	Ocean Beach	4/10/00	4/14/00	4	Sewage	12600	Blockage due to Grease / San Diego River	San Diego River outlet (Dog Beach)	300
83	Coronado Municipal Beach	4/14/00	4/14/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Navy Fence, north beach	300
84	Tourmaline Surf Park	4/13/00	4/14/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	P.B. Point, inside cove	300
85	Mission Bay	4/13/00	4/21/00	8	Monitoring	N/A	Bacterial levels Exceed Standards	Fiesta Island Bridge	300
86	San Diego County Coastline	4/18/00	4/23/00	5	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0
87	Silver Strand State Beach and Imperial Beach	4/18/00	4/21/00	3	Sewage	unk	Urban Runoff / Tijuana River	Silver Strand State Beach and Imperial Beach	17000
88	Coronado City Beach	4/19/00	4/21/00	2	Sewage	unk	Urban Runoff / Tijuana River	Ave Del Sol south to USN property	1000
89	Del Mar City Beach	4/18/00	4/24/00	6	Other	unk	Outlet Excavation / San Dieguito River	San Dieguito River Beach	400
90	Mission Bay	4/21/00	4/27/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
91	San Diego Bay	4/21/00	4/24/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Kellogg Street beach	300
92	Mission Bay	4/24/00	4/28/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
93	Torrey Pines State Beach	4/25/00	4/28/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	300

94	San Diego Bay	4/25/00	4/27/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bayside Park (J Street)	300
95	San Diego Bay	4/25/00	4/27/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
96	Mission Bay	4/27/00	4/29/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
97	Cardiff State Beach	4/28/00	5/1/00	3	Other	unk	Outlet Excavation / San Elijo Lagoon	Cardiff State Beach (San Elijo Lagoon outlet)	400
98	La Jolla Community Beach	5/3/00	5/5/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach, Ravina	300
99	San Diego Bay	5/4/00	5/15/00	11	Monitoring	N/A	Bacterial levels Exceed Standards	Bayside Park (J Street)	300
100	Mission Bay	5/5/00	5/7/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
101	Mission Bay	5/5/00	5/8/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Sail Bay	300
102	Mission Bay	5/5/00	5/8/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
103	Mission Bay	5/5/00	5/8/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
104	Mission Bay	5/5/00	5/8/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Quivera Basin	300
105	Mission Bay	5/5/00	5/8/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Perez Cove	300
106	San Onofre State Beach	5/10/00	5/11/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	San Onofre Creek outlet	300
107	Mission Bay	5/11/00	5/12/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
108	Mission Bay	5/11/00	5/12/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Tecolote Creek outlet	300
109	Mission Bay	5/11/00	5/12/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
110	Mission Bay	5/11/00	5/12/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
111	Solana Beach City Beach	5/11/00	5/13/00	2	Sewage	200	Sewer Lateral Break / storm drain	Seascape Beach Park	300
112	Mission Bay	5/12/00	5/13/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Barbara Cove, south end	300
113	Mission Bay	5/12/00	5/13/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
114	Mission Bay	5/12/00	5/13/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
115	La Jolla Community Beach	5/16/00	5/19/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach, north Nicholson Pt	300
116	Mission Bay	5/19/00	5/25/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
117	Oceanside City Beach	5/18/00	5/19/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	San Luis Rey River outlet	300
118	La Jolla Community Beach	5/17/00	5/19/00	2	Sewage	660	Private Overflow	Shell Beach	300
119	Mission Bay	5/19/00	5/21/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
120	Encinitas City Beach	5/23/00	6/4/00	11	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
121	Oceanside City Beach	5/23/00	5/27/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	San Luis Rey River outlet	250
122	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	5/24/00	6/15/00	21	Monitoring	N/A	Bacterial levels Exceed Standards	TJSNWRS and Border Field State Park	5200
123	Coronado Municipal Beach	5/24/00	5/26/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Avd. del Sol	300
124	Tourmaline Surf Park	5/25/00	5/28/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	P.B. Point	300
125	Mission Bay	5/25/00	5/26/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300

126	Imperial Beach City Beach	5/25/00	5/26/00	1	Other	N/A	Precautionary / Playas De Tijuana, south swell	Imperial Beach City Beach	7000
127	La Jolla Community Beach	5/26/00	5/28/00	2	Sewage	540	Root blockage / Vista De La Mesa storm drain	Sun Gold Point	300
128	Torrey Pines State Beach	5/30/00	6/4/00	4	Sewage	7050	Rock blockage / Los Penasquitos Lagoon	Los Penasquitos Lagoon outlet	450
129	Mission Bay	6/2/00	6/4/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
130	Mission Bay	6/2/00	6/4/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Clara Cove, south end	300
131	Oceanside City Beach	6/8/00	6/10/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Pier View Way	300
132	San Diego Bay	6/8/00	6/10/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Tidelands Park	300
133	Mission Bay	6/14/00	6/18/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
134	Encinitas City Beach	6/15/00	6/18/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
135	Tourmaline Surf Park	6/15/00	12/31/00	198	Chronic*	unk	Bacterial levels Exceed Standards	P.B. Point, inside cove	300
136	Mission Bay	6/16/00	6/18/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
137	Mission Bay	6/16/00	6/19/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
138	Mission Bay	6/17/00	6/21/00	4	Sewage	842	Sewer Main Break	Vacation Isle	250
139	La Jolla Community Beach	6/21/00	6/22/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Bird Rock	300
140	Coronado Municipal Beach	6/22/00	6/23/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Avd. del Sol	300
141	Tijuana Slough Nat'l Wildlife Refuge Shoreline	6/22/00	6/29/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	Tijuana Rivermouth	300
142	San Diego Bay	6/24/00	6/28/00	4	Sewage	660	Blockage due to Debris	Kellogg Street beach	300
143	Mission Bay	6/27/00	6/29/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
144	Oceanside City Beach	6/27/00	6/29/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Tyson Street	300
145	Mission Bay	6/30/00	7/2/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Tecolote Creek outlet	300
146	Mission Bay	6/29/00	7/4/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
147	Mission Bay	6/30/00	7/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
148	Mission Bay	6/30/00	7/1/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	300
149	San Diego Bay	7/5/00	7/6/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Tidelands Park	300
150	Mission Bay	7/5/00	7/7/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
151	Mission Bay	7/5/00	7/7/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
152	Del Mar City Beach	7/6/00	7/8/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	12th Street	300
153	Imperial Beach City Beach	7/6/00	7/8/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
154	Oceanside / Carlsbad border	7/7/00	7/10/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Buena Vista Lagoon outlet	300
155	Cardiff State Beach	7/10/00	7/14/00	4	Sewage - t.	7500	Construction Project / Escondido Creek	San Elijo Lagoon outlet at Cardiff State Beach	400
156	Coronado Municipal Beach	7/12/00	7/13/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Avd. del Sol	300
157	San Diego Bay	7/13/00	7/15/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Glorietta Bay	300
158	Oceanside City Beach	7/12/00	7/13/00	1	Sewage	1700	USMC Camp Pendleton boat basin	Harbor Beach	500

159	Mission Bay	7/14/00	7/17/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
160	Mission Bay	7/18/00	7/20/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
161	Mission Bay	7/18/00	7/21/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
162	Mission Bay	7/18/00	7/20/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	300
163	Ocean Beach	7/18/00	7/27/00	9	Monitoring	N/A	Bacterial levels Exceed Standards	San Diego River outlet (Dog Beach)	300
164	Mission Bay	7/20/00	9/1/00	43	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
165	Mission Bay	7/21/00	7/25/00	4	Complaint	1000	Unknown discharge to storm drain	swim area near Wildlife Refuge	300
166	Sunset Cliffs Park	7/24/00	7/25/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Ladera Street	300
167	Mission Bay	7/25/00	7/27/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
168	Mission Bay	7/25/00	7/27/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
169	Mission Bay	7/25/00	7/27/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
170	South Carlsbad State Beach	7/25/00	7/26/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Poinsettia Lane	300
171	Mission Bay	7/25/00	7/30/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	300
172	La Jolla Shores Beach	7/27/00	7/29/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Scripps Pier, south side	300
173	San Diego Bay	7/27/00	8/4/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
174	Mission Bay	7/27/00	7/29/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Sail Bay	300
175	Ocean Beach	7/27/00	7/29/00	2	Sewage	6000	Construction Project / San Diego River	San Diego River outlet (Dog Beach)	400
176	San Diego Bay	7/31/00	8/2/00	2	Sewage	34450	Blockage due to Grease / Switzer St storm drain	Tidelands Park	300
177	Mission Bay	8/1/00	8/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
178	La Jolla Shores Beach	8/1/00	8/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Scripps Pier, south side	300
179	Mission Bay	8/1/00	8/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	300
180	Ocean Beach	8/3/00	8/8/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	San Diego River outlet (Dog Beach)	300
181	Mission Bay	8/1/00	8/4/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
182	Agua Hedionda Lagoon	8/3/00	8/4/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Snug Harbor swimming beach	300
183	Coronado Municipal Beach	8/2/00	8/4/00	2	Complaint	1	Abandoned Waste	Navy Fence, north beach	400
184	Mission Bay	8/4/00	8/6/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
185	Ocean Beach	8/3/00	8/4/00	1	Chemical	5	Illegal Disposal of Chemical	Brighton Ave, stub jetty	400
186	Mission Bay	8/9/00	8/12/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
187	Mission Bay	8/8/00	8/9/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
188	Mission Bay	8/8/00	8/9/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
189	Encinitas City Beach	8/8/00	8/24/00	16	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
190	Mission Bay	8/9/00	10/19/00	56	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	300
191	Mission Bay	8/8/00	8/9/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300

192	San Diego Bay	8/10/00	8/11/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
193	Oceanside City Beach	8/16/00	8/18/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Surfrider Way	300
194	Pacific Beach	8/16/00	8/17/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Missouri St.	300
195	Del Mar City Beach	8/14/00	8/18/00	4	Sewage	1200	Blockage due to Roots / storm drain	12th Street	400
196	Torrey Pines State Beach	8/15/00	8/18/00	3	Sewage	3260	Root blockage / Los Penasquitos Lagoon	Los Penasquitos Lagoon outlet	300
197	San Diego Bay	8/17/00	8/21/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Spanish Landing	300
198	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	8/15/00	8/23/00	8	Monitoring	N/A	Bacterial levels Exceed Standards	TJSNWRS and Border Field State Park	5200
199	La Jolla Community Beach	8/17/00	8/18/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	La Jolla Cove	300
200	Pacific Beach	8/17/00	8/21/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Grand Ave.	300
201	Mission Bay	8/22/00	8/26/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
202	Encinitas City Beach	8/22/00	8/24/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	San Elijo State Beach, north stair access (Pipes)	300
203	Mission Bay	8/22/00	10/26/00	64	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
204	Torrey Pines State Beach	8/24/00	8/25/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	300
205	San Diego Bay	8/24/00	8/26/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
206	San Diego Bay	8/25/00	8/26/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Bayside Park (J Street)	300
207	Oceanside City Beach	8/29/00	8/30/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Cassidy Street	300
208	Encinitas City Beach	8/30/00	9/5/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
209	Oceanside City Beach	8/30/00	8/31/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Wisconsin Street	300
210	Oceanside City Beach	8/30/00	9/1/00	2	Other	unk	Outlet Excavation / San Luis Rey River	San Luis Rey River outlet	200
211	La Jolla Community Beach	8/31/00	9/1/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach, Ravina	300
212	San Diego Bay	8/30/00	9/5/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
213	Oceanside / Carlsbad border	8/30/00	9/1/00	2	Other	unk	Outlet Excavation / Buena Vista Lagoon	Buena Vista Lagoon outlet	300
214	Ocean Beach	9/1/00	9/5/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Bermuda Ave	300
215	Imperial Beach City Beach	9/6/00	9/8/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
216	Border Field State Park	9/6/00	9/8/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Border Fence, N side	300
217	Mission Bay	9/8/00	9/14/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
218	Mission Bay	9/8/00	9/10/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
219	Mission Bay	9/8/00	9/10/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Barbara Cove, south end	300
220	San Diego Bay	9/13/00	9/15/00	2	Sewage	960	Blockage due to Roots	Kellogg Street beach	300
221	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	9/11/00	9/13/00	2	Other	N/A	Precautionary / Playas De Tijuana, south swell	TJSNWRS and Border Field State Park	5200
222	San Diego Bay	9/13/00	9/18/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Tidelands Park	300

223	La Jolla Community Beach	9/14/00	9/18/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Whispering Sands Beach, Ravina	300
224	Ocean Beach	9/18/00	9/19/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	O.B. pier @ Narrangaset	300
225	Oceanside City Beach	9/19/00	9/21/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Wisconsin Street	300
226	Encinitas City Beach	9/19/00	9/28/00	9	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
227	Tourmaline Surf Park	9/18/00	9/22/00	4	Sewage	1700	Blockage due to Roots	P.B. Point, inside cove	400
228	La Jolla Shores Beach	9/20/00	9/22/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ave De La Playa	300
229	San Diego Bay	9/20/00	9/22/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Kellogg Street beach	300
230	La Jolla Community Beach	9/20/00	9/22/00	2	Complaint	N/A	Precautionary	La Jolla Cove	300
231	Mission Bay	9/21/00	10/12/00	20	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
232	San Diego Bay	9/22/00	9/27/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Bayside Park (J Street)	300
233	Coronado Municipal Beach	9/22/00	9/25/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Navy Fence, north beach	300
234	Del Mar City Beach	9/23/00	9/30/00	7	Other	unk	Outlet Excavation / San Dieguito River	San Dieguito River Beach	400
235	Mission Bay	9/28/00	9/30/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ventura Cove	300
236	Mission Bay	9/28/00	9/30/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
237	Ocean Beach	9/29/00	10/2/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	San Diego River outlet (Dog Beach)	300
238	Oceanside City Beach	9/27/00	10/3/00	5	Other	unk	Outlet Excavation / Loma Alta Creek	Buccaneer Beach	300
239	Mission Bay	9/29/00	10/12/00	12	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
240	Mission Bay	9/29/00	10/2/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
241	Mission Bay	9/29/00	10/2/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Quivera Basin	300
242	La Jolla Shores Beach	9/29/00	10/2/00	3	Sewage	580	Blockage due to Roots	El Paseo Grande	550
243	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	10/3/00	10/5/00	2	Sewage	10000	Debris blockage / Playas De Tijuana sewer line	TJSNWRS and Border Field State Park	5200
244	Mission Bay	10/3/00	10/13/00	10	Monitoring	N/A	Bacterial levels Exceed Standards	Crown Point	300
245	Mission Bay	10/3/00	10/18/00	15	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
246	Ocean Beach	10/3/00	10/6/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Bermuda Ave	300
247	San Diego Bay	10/4/00	10/11/00	7	Monitoring	N/A	Bacterial levels Exceed Standards	Shelter Island Shoreline Park	300
248	San Diego Bay	10/6/00	10/12/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Bayside Park (J Street)	300
249	Oceanside City Beach	10/4/00	10/12/00	8	Other	unk	Outlet Excavation / San Luis Rey River	San Luis Rey River outlet	150
250	Mission Bay	10/5/00	10/9/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	300
251	Encinitas City Beach	10/10/00	11/7/00	27	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
252	Mission Bay	10/10/00	10/12/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
253	Ocean Beach	10/11/00	10/13/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bermuda Ave	300
254	Torrey Pines State Beach	10/11/00	10/15/00	4	Sewage	3000	Private Overflow / Soledad Creek	Los Penasquitos Lagoon outlet	400

255	Mission Bay	10/13/00	10/14/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300
256	Mission Bay	10/13/00	10/26/00	13	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	300
257	San Diego Bay	10/13/00	10/18/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Tidelands Park	300
258	Mission Bay	10/18/00	10/20/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
259	Mission Bay	10/18/00	10/24/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Crown Point	300
260	Mission Bay	10/18/00	10/24/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
261	Oceanside City Beach	10/16/00	12/31/00	76	Chronic*	unk	Bacterial levels Exceed Standards	Loma Alta Creek, Buccaneer Beach	300
262	Pacific Beach	10/18/00	10/20/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Grand Ave.	300
263	Mission Bay	10/20/00	10/22/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Barbara Cove, south end	300
264	Mission Bay	10/20/00	10/26/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
265	Mission Bay	10/20/00	10/22/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
266	Oceanside City Beach	10/23/00	10/27/00	4	Other	unk	Outlet Excavation / San Luis Rey River	San Luis Rey River outlet	150
267	San Diego Bay	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Tidelands Park	300
268	Mission Bay	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	San Juan Cove, north end	300
269	Mission Bay	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Sail Bay	300
270	Imperial Beach City Beach	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Cortez Ave	300
271	Mission Bay	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Barbara Cove, south end	300
272	Mission Bay	10/26/00	10/28/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Ventura Cove	300
273	Tijuana Slough Natl. Wildlife Refuge Shoreline and Border Field State Park	10/28/00	11/23/00	25	Sewage	unk	Urban Runoff / Tijuana River	TJSNWRS and Border Field State Park	5200
274	San Diego County Coastline	10/27/00	11/1/00	5	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0
275	Ocean Beach	10/27/00	11/3/00	7	Sewage	12000	Private Overflow / San Diego River	San Diego River outlet (Dog Beach)	400
276	Mission Bay	10/31/00	11/22/00	22	Monitoring	N/A	Bacterial levels Exceed Standards	DeAnza Cove, north side	300
277	Oceanside City Beach	11/1/00	11/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Forester Street	300
278	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
279	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
280	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Crown Point	300
281	Oceanside City Beach	11/1/00	11/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	St. Malo Beach	300
282	Oceanside City Beach	11/1/00	11/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	500'N. of Loma Alta outlet	300
283	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
284	Oceanside City Beach	11/1/00	11/3/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Cassidy Street	300
285	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
286	Oceanside City Beach	11/1/00	11/9/00	8	Monitoring	N/A	Bacterial levels Exceed Standards	San Luis Rey River outlet	300

287	Mission Bay	10/31/00	11/22/00	22	Monitoring	N/A	Bacterial levels Exceed Standards	Tecolote Creek outlet	300
288	Mission Bay	10/31/00	11/3/00	3	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
289	Torrey Pines State Beach	11/2/00	11/3/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Los Penasquitos Lagoon outlet	400
290	South Carlsbad State Beach	11/2/00	11/3/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Batiquitos Lagoon outlet	300
291	Oceanside / Carlsbad border	11/2/00	11/3/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Buena Vista Lagoon outlet	300
292	South Carlsbad State Beach	11/1/00	11/6/00	5	Monitoring	N/A	Bacterial levels Exceed Standards	Encina Creek outlet	300
293	Mission Bay	11/2/00	11/6/00	4	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
294	Mission Bay	11/7/00	11/16/00	9	Monitoring	N/A	Bacterial levels Exceed Standards	north Pacific Passage	300
295	Mission Bay	11/7/00	11/16/00	9	Monitoring	N/A	Bacterial levels Exceed Standards	swim area near Wildlife Refuge	300
296	Mission Bay	11/7/00	11/17/00	10	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
297	Mission Bay	11/7/00	11/22/00	15	Monitoring	N/A	Bacterial levels Exceed Standards	Campland	300
298	San Diego County Coastline	11/11/00	11/14/00	3	General Advisory	unk	Urban Runoff due to rainfall	Countywide, all coastal outlets	0
299	San Diego Bay	11/12/00	11/18/00	6	Sewage	525	Blockage due to Roots	Kellogg Street beach	300
300	Oceanside City Beach	11/14/00	11/16/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	San Luis Rey River outlet	300
301	Mission Bay	11/15/00	11/16/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Fiesta Island Bridge	300
302	Mission Bay	11/15/00	12/1/00	16	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
303	Mission Bay	11/15/00	11/16/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
304	Imperial Beach City Beach	11/15/00	11/17/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
305	Mission Bay	11/16/00	11/18/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Santa Barbara Cove, south end	300
306	Mission Bay	11/16/00	11/18/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
307	Mission Bay	11/16/00	11/22/00	6	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
308	South Carlsbad State Beach	11/21/00	11/23/00	2	Sewage	1200	Blockage due to Grease / San Marcos Creek	Batiquitos Lagoon outlet	300
309	Mission Bay	11/22/00	12/31/00	39	Monitoring	N/A	Bacterial levels Exceed Standards	Bonita Cove (Mariners)	300
310	Oceanside City Beach	11/28/00	11/30/00	2	Other	unk	Outlet Excavation / San Luis Rey River	San Luis Rey River outlet	150
311	Imperial Beach City Beach	11/30/00	12/1/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
312	Mission Bay	11/30/00	12/1/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
313	Encinitas City Beach	12/5/00	12/6/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Moonlight State Beach (Cottonwood Creek outlet)	300
314	Mission Bay	12/5/00	12/7/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
315	Mission Bay	12/7/00	12/21/00	14	Monitoring	N/A	Bacterial levels Exceed Standards	Fanuel Park	300
316	Imperial Beach City Beach	12/13/00	12/15/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Camp Surf (Carnation Ave)	300
317	Imperial Beach City Beach	12/13/00	12/15/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	End of Seacoast Dr	300
318	Silver Strand State Beach	12/13/00	12/15/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Silver Strand N end (ocean side)	300
319	Mission Bay	12/14/00	12/16/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	La Mancha (Riviera Shores)	300

320	Mission Bay	12/14/00	12/16/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	San Juan Cove, north end	300
321	Mission Bay	12/14/00	12/16/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Bahia Point	300
322	Mission Bay	12/20/00	12/21/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	North Pacific Passage	300
323	Mission Bay	12/20/00	12/21/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Hidden Anchorage	300
324	Mission Bay	12/20/00	12/21/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Visitor's Center	300
325	Mission Bay	12/20/00	12/21/00	1	Monitoring	N/A	Bacterial levels Exceed Standards	Fiesta Island Bridge	300
326	Oceanside City Beach	12/27/00	12/30/00	3	Other	unk	Outlet Excavation / San Luis Rey River	San Luis Rey River outlet	300
327	Mission Bay	12/28/00	12/30/00	2	Monitoring	N/A	Bacterial levels Exceed Standards	Leisure Lagoon	300
328	La Jolla Community Beach	1/1/00	12/31/00	365	Chronic*	N/A	Bacterial levels Exceed Standards	Casa Beach, Children's Pool	300
Total Days		3160							

Closures (sewage) 47

Advisories (monitoring, complaints, chemical, and other) 275

General Advisories 6

Closure days 248

Advisory days* does not include simultaneous postings or Chronic days 1988

General Advisory days 38

Total Water Contamination Events	328	Total Days	2274
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Chronic days not included in total days figure above 886